

How to Use Grainger Digital Catalogs

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Page-by-Page

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Click on the page to zoom in and move around. Click on the page a second time to zoom back out.



Home

Brings you to the beginning of section currently being browsed.



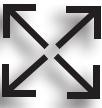
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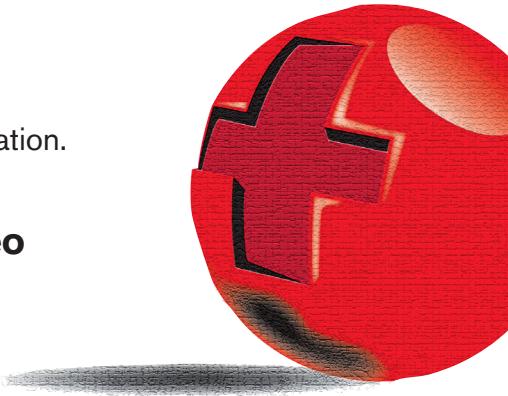
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Content



Video



GRAINGER®

||||| FOR THE ONES WHO GET IT DONE



**"YOU NEED IT.
GRAINGER'S GOT IT."**

OVER 590,000 PRODUCTS INSIDE

GET THE MOST OUT OF THIS CATALOG

Two level page headings clearly identify sections while you quickly flip through pages.

Information boxes are shaded so you always know where to look for helpful hints and selection information.

- Watch for the “Video Available” icon to view informational videos on Grainger.com®.

- Look for the “Customer Rated” icon to find top-rated items by customers on Grainger.com®.

Block Types for Brooms

Foam Block	Kilm dried, finished, and lacquered to resist moisture and cracking. For general purpose sweeping.
Hardwood Block	Kilm dried, finished, and lacquered to resist moisture and cracking. For wet or dry sweeping in hospitals, laboratories, and food service areas.
Plastic Block	Hygienic plastic block has threaded handle hole to accommodate all types of threaded handles.

Fine-Sweeping Floor Brushes

Brushes provide scratch-free sweeping on wood, ceramic tile, linoleum, smooth concrete, marble, and polished surfaces. Flagged tips pick up small particles. For use with threaded handles. No. 3U767 includes a solid metal brace.

Description	Block Material	Block Size	Trim Length	Item No.	\$ Each
Green Flagged Synthetic Fill	Foam	18"	3"	3U766	29.45
Green Flagged Synthetic Fill	Foam	24"	3"	3U767	28.95
Green Flagged Synthetic Fill	Hempwood	36"	3"	3U767	37.35

Smooth Surface Floor Brooms

For use with threaded handles. Nos. 4KNA4 and 4KNA5 have flagged tips for picking up fine dust and dirt. Nos. 4KNA6 and 4KNA2 are for general purpose sweeping on semisMOOTH surfaces. No. 4GU284 includes a 60° steel hand.

Description	Block Type	Block Size	Trim Length	Brand	Item No.	\$ Each
Silver PVC Fill	PVC	18"	3"	Tough Guy	4KNA4	24.52
Silver PVC Fill	PVC	24"	3"	Tough Guy	4KNA5	26.15
Siliconized Nylon Fill	Nylon	18"	3"	Tough Guy	4KNA6	19.45
Black Tampico Fill	Hempwood	18"	3"	Tough Guy	4KNA2	19.43
Black Recycled PET Fill	Polypropylene	18"	3"	Libman	4GU284	39.35

3-in-1 Floor Sweep

Combine the best features of fine, medium, and heavy floor sweeps in 1 product. Synthetic bristles have pitched angle for sweeping on all types of floor surfaces. Shorter, heavy bristles in front sweep heavy debris, and longer, fine-tipped bristles in back sweep away fine dust and particles. For use with threaded handles.

Description	Block Material	Block Size	Trim Length	Item No.	\$ Each
Blue and Black Synthetic Fill	Plastic	18"	2 to 2 1/2"	3U766	55.85
Blue and Black Synthetic Fill	Plastic	24"	2 to 2 1/2"	3U766	77.35

3-in-1 Floor Sweep

Combine the best features of fine, medium, and heavy floor sweeps in 1 product. Synthetic bristles have pitched angle for sweeping on all types of floor surfaces. Shorter, heavy bristles in front sweep heavy debris, and longer, fine-tipped bristles in back sweep away fine dust and particles. For use with threaded handles.

Description	Block Material	Block Size	Trim Length	Item No.	\$ Each
Gray Polypropylene Fill	Foam	18"	3"	3U767	55.85
Gray Polypropylene Fill	Foam	24"	3"	3U766	77.35

Contractor Brooms

Synthetic fibers provide extra strength and durability. Can be used in wet and dry applications and with detergent and water. Acid- and fungus-resistant fibers last longer than traditional brooms. For use with contractor broom handle No. 4GU65; see page 1825.

Description	Block Type	Block Size	Trim Length	Brand	Item No.	\$ Each
Silver PVC Fill	PVC	18"	3"	Tough Guy	4KNC4	24.52
Silver PVC Fill	PVC	24"	3"	Tough Guy	4KNC5	26.15
Siliconized Nylon Fill	Nylon	18"	3"	Tough Guy	4KNC6	19.45
Black Tampico Fill	Hempwood	18"	3"	Tough Guy	4KNC2	19.43
Black Recycled PET Fill	Polypropylene	18"	3"	Libman	4GU67	39.35

Aluminum Block—Aluminum block has replaceable bristles and is suitable for warehouses, large areas, and sports fields.

3-in-1 Floor Sweep

Combine the best features of fine, medium, and heavy floor sweeps in 1 product. Synthetic bristles have pitched angle for sweeping on all types of floor surfaces. Shorter, heavy bristles in front sweep heavy debris, and longer, fine-tipped bristles in back sweep away fine dust and particles. For use with threaded handles.

Perma Sweep Floor Brushes

Acid- and bacteria-resistant fiber for longer life. Suitable for sweeping fine dust and dirt on smooth surfaces, and can be used for wet or dry sweeping applications. For use with threaded handles.

Customer Rated



on Grainger.com®

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THE PRODUCTS YOU NEED, AND SO MUCH MORE

Getting the equipment and supplies you need is important, but that's just part of the picture. You want services and resources that improve how well you do your job. We're here to help you find new ways to save on purchasing and inventory costs, bring you better information about what you buy, and make it easier for you to get more done.

CAN'T FIND WHAT YOU'RE LOOKING FOR? JUST ASK US!

This catalog has hundreds of thousands of products, but it won't do you much good if it doesn't have precisely what you need. We can help you track down hard-to-find products from thousands of suppliers.

Just call **1-800-GRAINGER**, your local branch or your Grainger Representative and we'll take care of the rest.

CUSTOMIZED PRODUCTS AS UNIQUE AS YOUR BUSINESS

There's no business like your business, and that often means you need product solutions you just won't find sitting somewhere on a shelf. The Custom Product Center is your direct link to products that meet your precise requirements—from air filters to padlocks, we can help you get the right size, message or configuration.

Check out grainger.com/customproducts to find out more.



24/7

WE'RE HERE FOR YOU WHEN EMERGENCIES HAPPEN

Grainger offers 24-hour emergency services. Call **1-800-CALL-WWG** and we'll open a branch—even at night and on weekends (a \$50 fee may apply). Plus, many times Grainger branches will stay open 24-hours (unless curfews are imposed by local authorities) during major emergencies. Our Call Centers are, as always, available to accept phone orders 24-hours a day, 7 days a week.



PROTECTION FOR YOUR PURCHASES

If you're tough on your equipment or you like having peace of mind knowing you're protected, Grainger Repair & Replacement Coverage can help. We'll replace or repair your covered product, if it stops working, for up to two years beyond the Grainger one-year warranty. Head to grainger.com/tripleguard for program terms, and be sure to look for the checkmark on items that have Repair & Replacement Coverage.



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SCAN: Manages your inventory using barcodes



MOBILE: Ordering solution for inventory that moves



TRACK: Tracks inventory in and out of your stockroom



SECURE: Controlled product dispensing



ONSITE: Product scan and replenishment by a Grainger Representative



STORE: Customized Grainger branch at your location



Learn more when you visit
grainger.com/keepstock.

Grainger KeepStock solutions are subject to customer eligibility and agreements.

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Create a safer workplace. Grainger has over 100,000 safety products, plus the services and resources you need to help reduce injuries, facilitate compliance, manage risk and increase productivity. Think Safety. Think Grainger.®

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Our **Technical Product Support Specialists** have the education, hands-on field experience and training to provide the answers you want fast and free of charge. See for yourself how we can help when you drop us an email at safetysupport@grainger.com.

AMY
Technical Product
Support Specialist
19 years at Grainger



**G means getting it done.
Get it. Got it. Good.SM**

Is that a pool table on page 1754? It is! And that really is a demolition robot on page 982.
What do you need to get done today? Find just about all the products you need to get it done here.

WEBSITE. APP. BOOK. BRANCH.

	Phone	Fax	Phone	Fax
Alabama				
Birmingham, 185 W. Oxmoor Rd., 35209-6331	205 942-6741	205 942-7956		
Birmingham, 3735 First Ave. N., 35222-1301	205 254-9050	205 254-9065		
Decatur, 3090 Hwy. 20, 35601-7526	256 350-0408	256 351-5039		
Huntsville, 1912 Jordan Lane NW, 35816-1542	256 830-2150	256 830-0280		
Mobile, 1241 Montlimar Dr., 36609-1712	251 661-1035	251 661-8613		
Montgomery, 541 George Todd Dr., 36117-2233	334 270-0707	334 270-0614		
Alaska				
Anchorage, 6240 B St., 99518-1727 Outside Anchorage,	907 562-5400	907 562-2072		
	800 478-4781	—		
Arizona				
Tucson, 3415 S. Dodge Blvd., 85713-5434	520 745-8200	520 748-7716		
Phoenix Area				
Gilbert, 775 E. Baseline Rd., 85233-1203	480 308-7980	480 308-7981		
Phoenix, 960 N. 51st Ave., 85043-2625	602 269-3115	602 272-5765		
Phoenix, 2002 W. Rose Garden Lane, 85027-2620	623 581-0017	623 581-0686		
Phoenix, 4465 E. Broadway Rd., 85040-8892	480 966-9797	480 968-4801		
Arkansas				
Ft. Smith, 3807 Planters Rd., 72908-8461	479 646-6091	479 646-5926		
Jonesboro, 5304 E. Highland Dr., 72401-6803	870 972-8677	870 932-8030		
Little Rock, 6100 Murray St., 72209-8528	501 568-7800	501 568-4783		
Springdale, 1205 S. Old Missouri Rd., 72764-1152	479 756-2999	479 756-0013		
California				
Bakersfield, 3900 Easton Dr., 93309-1083	661 327-4651	661 322-4153		
Ceres, 1910 Rockefeller Dr., 95307-9295	209 541-1905	209 541-1895		
Citrus Heights, 6412 Tupelo Dr. #G, 95621-1773	916 728-2770	916 728-4448		
Fresno, 1335 Tuolumne St., 93706-2017	559 233-5707	559 485-0642		
Visalia Number,	559 635-2524	—		
Salinas, 1334 Dayton St., 93901-4416	831 757-0991	831 422-7008		
Stockton, 2501 Stagecoach Rd., 95215-7909	209 466-2036	209 466-0126		
West Sacramento, 3691 Industrial Blvd., 95691-3456	916 372-7800	916 371-9376		
Bay Area				
Burlingame, 1360 Rollins Rd., 94010-2410	650 581-7508	650 581-7509		
Concord, 2288 Pike Ct., 94520-1251	925 686-6654	925 686-6827		
Fairfield/Vacaville Number,	707 425-1060	—		
Hayward, 1617 Industrial Pkwy. W., 94544-7046	510 670-1095	510 670-1098		
Rohnert Park, 5760 Commerce Blvd., 94928-1630	707 584-9211	707 584-8868		
San Francisco, 750 Brannan St., 94103-4920	415 864-4700	415 863-8985		
San Jose, 2261 Ringwood Ave., 95131-1717	408 432-8200	408 432-7315		
San Leandro, 444 Doolittle Dr., 94577-1016	510 638-1100	510 632-0836		
San Rafael, 3195 Kerner Blvd., 94901-5410	415 459-4112	415 454-6572		
Sunnyvale, 1190 Kern Ave., 94085-3907	408 470-1710	408 470-1712		
Inland Empire Area				
Chino, 13710 Ramona Ave., 91710-5423	909 664-9700	909 664-9702		
Rancho Cucamonga, 9220 Hyssop Dr., 91730-6108	909 664-9700	909 664-9702		
Riverside, 1151 E. Columbia Ave., 92507-2113	951 787-1960	951 788-2203		
LA Area				
Burbank, 7565 N. Lockheed Dr., 91505-1045	818 253-7970	818 253-7973		
Compton, 1050 W. Walnut St., 90220-5112	866 486-7865	877 464-7647		
Inglewood, 10804 S. La Cienega Blvd., 90304-1113	866 486-7865	877 464-7647		
Irvine, 12780 Schabarum Ave., 91706-6801	626 337-7668	626 962-1176		
Long Beach, 3090 E. Airport Way, 90806-2404	562 637-1173	877 464-7647		
Los Angeles, 570 S. Alameda St., 90013-1726	888 486-7865	877 464-7647		
Northridge, 8930 Winnetka Ave., 91324-3200	818 341-2808	818 341-4857		
Oxnard, 101 S. Rice Ave., 93030-7235	805 201-3800	805 201-3804		
Santa Fe Springs, 10137 S. Norwalk Blvd., 90670-3325	562 944-4628	562 944-5499		
Orange County Area				
Anaheim, 310 E. Ball Rd., 92805-6312	714 776-8514	714 758-8912		
Garden Grove, (Grainger Express*), 12871 Western Ave., Suite A, 92841-4032	866 613-7214	714 758-8912		
Santa Ana, 2401 Pullman St., 92705-5508	949 255-5669	949 255-5671		
San Diego Area				
Chula Vista, 1150 Bay Blvd., 91911-2601	619 575-2025	619 575-2052		
El Cajon, 1080 N. Magnolia Ave., 92020-1918	619 442-9822	619 442-1569		
San Diego, 8001 Raytheon Dr., 92111-1608	858 278-5120	858 278-4334		
San Marcos, 1321 Linda Vista Dr., 92078-3804	760 471-0400	760 471-0297		
Colorado				
Boulder, 3825 Walnut St., Suite 100, 80301-2525	303 998-0275	303 545-2390		
Colorado Springs, 610 Popes Bluff Trail, 80907-3512	719 598-9500	719 598-0059		
Fort Collins, 4531 Innovation Dr., 80525-3406	970 223-2100	970 223-1818		
Grand Junction, 716 Scarlet Dr., 81505-9429	970 256-1016	970 256-0878		
Denver Area				
Centennial, 12350 E. Arapahoe Rd., Suite C, 80112-3897	303 400-5966	303 400-5377		
Denver, 95 S. Tejon St., 80223-1251	303 733-8777	303 744-7646		
Denver, 4885 Paris St., 80239-2811	303 371-2360	303 375-0864		
Denver, (Grainger Express*), 6935 Broadway, 80221-2841	303 657-2709	303 429-2015		
Connecticut				
Hartford, 75 Maxim Rd., 06114-1605	860 525-1967	860 522-0741		
North Haven, 124 Universal Dr., 06473-3630	203 777-2087	203 865-4259		
Southington, 50 Graham Place, 06489-1511	860 276-9992	860 276-1156		
Stamford, 339 West Ave., 06902-6313	203 323-0005	203 323-2869		
Stratford, 120 Moffitt St., 06615-6718	203 551-7353	203 551-7355		
Delaware				
New Castle, 117 Quigley Blvd., 19720-4103			302 322-1840	302 322-7976
District of Columbia				
DC Area				
Dulles, 101 International Dr., 20166-9442	571 203-9003	571 203-9111		
Falls Church, 2947 Gallows Rd., 22042-1024	703 698-1503	703 644-8513		
Lanham, 4748 Forbes Blvd., 20706-4302	301 459-7780	301 459-0396		
Rockville, 701 Dover Road, 20850-1392	301 869-0011	301 670-9239		
Springfield, 7400 Boston Blvd., 22153-3121	703 644-8500	703 644-8513		
Washington, 331 N. St. NE, 20002-4930	202 609-6470	202 609-6471		
Florida				
Altamonte Springs , 1001 Douglas Ave., 32714-2029	407 682-6567	407 862-9034		
Clearwater, 12579 49th St. N., 33762-4313	727 573-1777	727 573-1997		
Daytona Beach, 843 Bill France Blvd., 32117-5110	386 274-5050	386 274-2255		
Ft. Myers, 12431 Metro Pkwy., 33966-1316	239 768-5999	239 768-5359		
Jacksonville, 720 Suemac Rd., 32524-2770	904 781-8350	904 786-5953		
Jacksonville, 8450 Phillips Hwy., 32256-8206	904 636-8896	904 733-8701		
Lakeland, 3204 Winter Lake Rd., Suite 8, 33803-9751	863 797-1950	863 797-1957		
Ocala, 2620 SW 17th Rd., Suite 300, 34471-2096	352 732-8084	352 854-0990		
Orlando, 4180 L B McLeod Rd., 32811-5695	407 843-3220	407 422-2233		
Pembroke Park, 2757 S. Park Rd., 33009-3817	954 987-9801	954 987-9276		
Pensacola, 4405 N. Palaflo St., 32505-2922	850 435-4771	850 435-8957		
Pompano Beach, 2131 SW 2nd St., Bldg. 8, 33069-3100	954 524-4374	954 971-3117		
Sarasota, 6685 Whitfield Industrial Ave., 34243-4012	941 753-3904	941 755-7969		
Tallahassee, 3924 W. Pensacola St., 32304-2838	850 575-4137	850 575-1764		
West Melbourne, 101 S. Wickham Rd., 32904-1131	321 951-1985	321 951-2003		
West Palm Beach, 1800 N. Florida Mango Rd., 33409-6406	561 684-6895	561 686-1066		
Miami Area				
Doral, 2255 NW 89th Place, 33172-2428	305 594-0587	305 592-2751		
Miami, 7200 NW 37th Ave., 33147-5838	305 693-0959	305 691-0196		
Miami, 10900 SW Quail Roost Dr., 33157-6698	305 253-5563	305 253-3375		
Tampa Area				
Tampa, 1820 Tampa East Blvd., 33619-3052	813 622-7223	813 622-7876		
Tampa, 4505 W. Hillsborough Ave., 33614-5441	813 496-6930	813 496-6950		
Georgia				
Athens, 1205 Commerce Rd., 30607-1101	706 546-0595	706 546-1277		
Augusta, 1516 Gordon Hwy., 30906-2006	706 560-0808	706 560-9002		
Columbus, 1200 10th Ave., 31901-2621	706 324-3026	706 324-2306		
Dalton, 708 Rustwood St., 30721-3400	706 275-0511	706 278-0669		
Garden City, 1324 US Highway 80 West, 31408-2547	912 395-8700	912 395-8701		
Macon, 2048 Paul Walsh Dr., 31206-3168	478 781-4941	478 784-9593		
Atlanta Area				
Atlanta, 1721 Marietta Blvd. NW, 30318-3646	888 803-7320	888 803-7327		
Forest Park, 5300 Frontage Rd., 30297-2516	888 803-7320	888 803-7327		
Marietta, 631 S. Marietta Pkwy. SE, 30060-2748	888 803-7320	888 803-7327		
Norcross, 6655 Crescent Dr., 30071-2934	888 803-7320	888 803-7327		
Hawaii				
Honolulu, 2833 Paa St., 96819-4406	808 423-0028	808 423-0031		
Idaho				
Boise, 5576 Irving St., 83706-1216	208 377-2801	208 375-0869		
Illinois				
Addison, 1545 W. Fullerton Ave., 60101-3017	630 953-9933	630 953-2975		
Alsip, 6001 W. 115th St., 60803-5152	708 396-1900	708 385-6650		
Arlington Heights, 475 E. Algonquin Rd., 60005-4620	847 593-1330	847 439-0971		
Burn Ridge, 7591 Brush Hill Rd., 60527-7575	630 323-0255	630 323-0188		
Downers Grove, 2701 Ogden Ave., 60515-1704	630 810-9933	630 810-0496		
Elgin, 2530 Vantage Dr., 60124-7881	847 851-1542	847 851-1544		
Peoria, 1017 SW Jefferson Ave., 61605-3948	309 672-2900	309 672-2157		
DeKalb Number,	815 434-3434	—		
Rockdale, 1820 Moen Ave., 60436-9022	815 280-7600	815 280-7602		
Rockford, 5862 Harrison Ave., 61108-8127	815 229-0313	815 229-2034		
Waukegan, 3585 Sunset Ave., 60087-3217	847 263-9933	847 263-0280		
Wheeling, 1200 S. Wolf Rd., 60090-6442	847 541-8040	847 541-5933		
Chicago Area				
Chicago, 6450 S. Austin Ave., 60638-5394	773 586-0244	773 586-0126		
Chicago, 2356 S. Ashland Ave., 60608-5304	773 475-0251	773 475-0252		
Chicago, 2221 N. Elston Ave., 60614-2905	773 486-9933	773 486-1365		
Franklin Park, 3240 Mannheim Rd., 60131-1532	847 451-6955	847 451-6944		
Morton Grove, 8045 River Dr., 60053-2651	847 965-7600	847 965-3479		
Indiana				
Columbus, 21 N. National Rd., 47201-7828	812 376-0878	812 376-7540		
Elkhart, 58300 State Rd. 19, 46517-9413	574 296-7595	574 296-7905		
Evansville, 837 N. Congress Ave., 47715-2452	812 479-0261	812 479-1237		
Ft. Wayne, 5002 Speedway Dr., 46825-5245	260 484-9565	260 483-0311		
Gary, 1701 Cline Ave., 46406-2225	219 554-3886	219 944-1136		
Indianapolis, 1819 W. 16th St., 46202-2032	317 632-8341	317 634-0713		
Indianapolis, 9210 Corporation Dr., 46256-1017	317 842-2497	317 594-0345		
Muncie, 4501 S. Cowan Rd., 47302-9556	765 741-8100	765 289-3205		
South Bend, 1750 Commerce Dr., 46628-1565	574 287-2351	574 287-5187		

(*) Grainger Express locations fulfill will-call orders only—no on-hand inventory.

Iowa

Cedar Rapids, 715 33rd Ave. SW, 52404-3924
Davenport, 961 E. 53rd St., 52807-2633
Des Moines, 1811 E. Sheridan Ave., 50316-1803
Sioux City, 2500 Hwy. 75 N., 51105-2441

Kansas

Lenexa, 14790 W. 99th St., 66215-1109
Topeka, 241 SW 32nd Terrace, 66611-2295
Wichita, 1920 S. West St., 67213-1108

Kentucky

Florence, 10075 Sam Nease Dr., 41042-8960
Lexington, 1351 Georgetown Rd., 40511-2503
Louisville, 1901 Plantside Dr., 40299-1919
Louisville, 6708 Grade Lane, Suite 701, 40213-3403
Paducah, 3160 Parisa Dr., 42003-4582

Louisiana

Lafayette, 1508 Eraste Landry Rd., 70506-1989
West Monroe, 500 Thomas Rd., 71292-9454
Alexandria Number,
New Iberia, 901 Frontage Rd. E. Hwy. 90, 70560
Shreveport, 5126 Hollywood Ave., 71109-7716
Sulphur, 2502 S. Cities Service Hwy., 70663-6405

Baton Rouge Area

Baton Rouge, 8188 Tom Dr., 70815-8046
Baton Rouge, 12455 Airline Highway, 70817-4416
Gonzales, 9506 Ashland Rd., 70737-8097

New Orleans Area

Houma, 5366 Hwy. 311, 70360-2880
New Orleans, 601 S. Galvez St., 70119-7517
New Orleans, 825 Distributors Row, 70123-3209
Slidell Number,

Maine

Portland, 425 Warren Ave., 04103-1287
Greater Bangor Area Number,

Maryland

Lanham, 4748 Forbes Blvd., 20706-4302
Rockville, 701 Dover Road, 20850-1392

Baltimore Area

Annapolis Junction, 10981 Guilford Rd., 20701-1125
Baltimore, 2100 Haines St., 21230-3206
Baltimore, 8820 Citation Rd., 21221-3101
Timonium, 2032 Greenspring Dr., 21093-4114

Massachusetts

Springfield, 790 Cottage St., 01104-3221
Taunton, 125 John Hancock Rd., 02780-1055
Worcester, 209 Brooks St., 01606-3307

Boston Area

Everett, 160 Broadway, 02149-2460
Framingham, 34 Blandin Ave., 01702-7020
Lawrence, 121 Marston St., 01841-2252
Norwood, 428 University Ave., 02062-2638
Watertown, 400 Arsenal St., 02472-2805
Woburn, 31 Cabot Rd., 01801-1003

Michigan

Ann Arbor, 2915 Boardwalk St., 48104-6765
Flint, 2711 Lapeer Rd., 48503-4354
Grand Rapids, 3803 Roger B Chaffee SE, 49548-3437
Holland, 767 Chicago Dr., 49423-3003
Kalamazoo, 2476 Azo Dr., 49048-9540
Lansing, 5617 Enterprise Dr., 48911-4194
Saginaw, 220 W. Morley Dr., 48601-9464
Traverse City, 3025 Cass Rd., 49684-8849

Detroit Area

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Farmington Hills, 23800 Haggerty Rd., 48335-2617
Madison Heights, 1587 E. Whitcomb Ave., 48071-1415
Romulus, 6874 Middlebelt Rd., 48174-2041
Warren, 25940 Groesbeck Hwy., 48089-4144

Minnesota

Duluth, 101 N. 46th Ave. W., 55807-2763

Minneapolis/St. Paul Area

Plymouth, 2450 Annapolis Lane N., 55441-3600
Bloomington, 201 E. 78th St., 55420-1249
St. Paul, 345 Plato Blvd. East, Suite 120, 55107-1228

Mississippi

Jackson, 3551 I-55 S., 39212-4963

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Columbia, 1406 Vandiver Dr., 65202-3920
Springfield, 808 N. Cedarbrook Ave., 65802-2522

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563 391-6015 563 386-7500
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Lenexa, 14790 W. 99th St., 66215-1109
O'Fallon, 9 Commerce Dr., 63366-4413
St. Louis, 2227 Clark Ave., 63103-2539

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Maryland Heights, 2535 Metro Blvd., 63043-2409
O'Fallon, 9 Commerce Dr., 63366-4413
St. Louis, 2227 Clark Ave., 63103-2539

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Clifton, 308 Allwood Rd., 07012-1701

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973 777-7700 973 773-3080

Cranford, 55 Jackson Dr., 07016-3582

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908 272-7156 908 272-2074

Eatontown, 212 Industrial Way W., 07724-2206

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732 542-3636 732 542-0286

Elizabeth, 560-596 Berck St., Suite 1, 07201

Phone **Fax**
908 787-1952 908 787-1953

Fairfield, 277 Route 46, 07004-2415

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Melville, 1 Park Dr., 11747-3035

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New Hyde Park, 2040 Jericho Turnpike, 11040-4741

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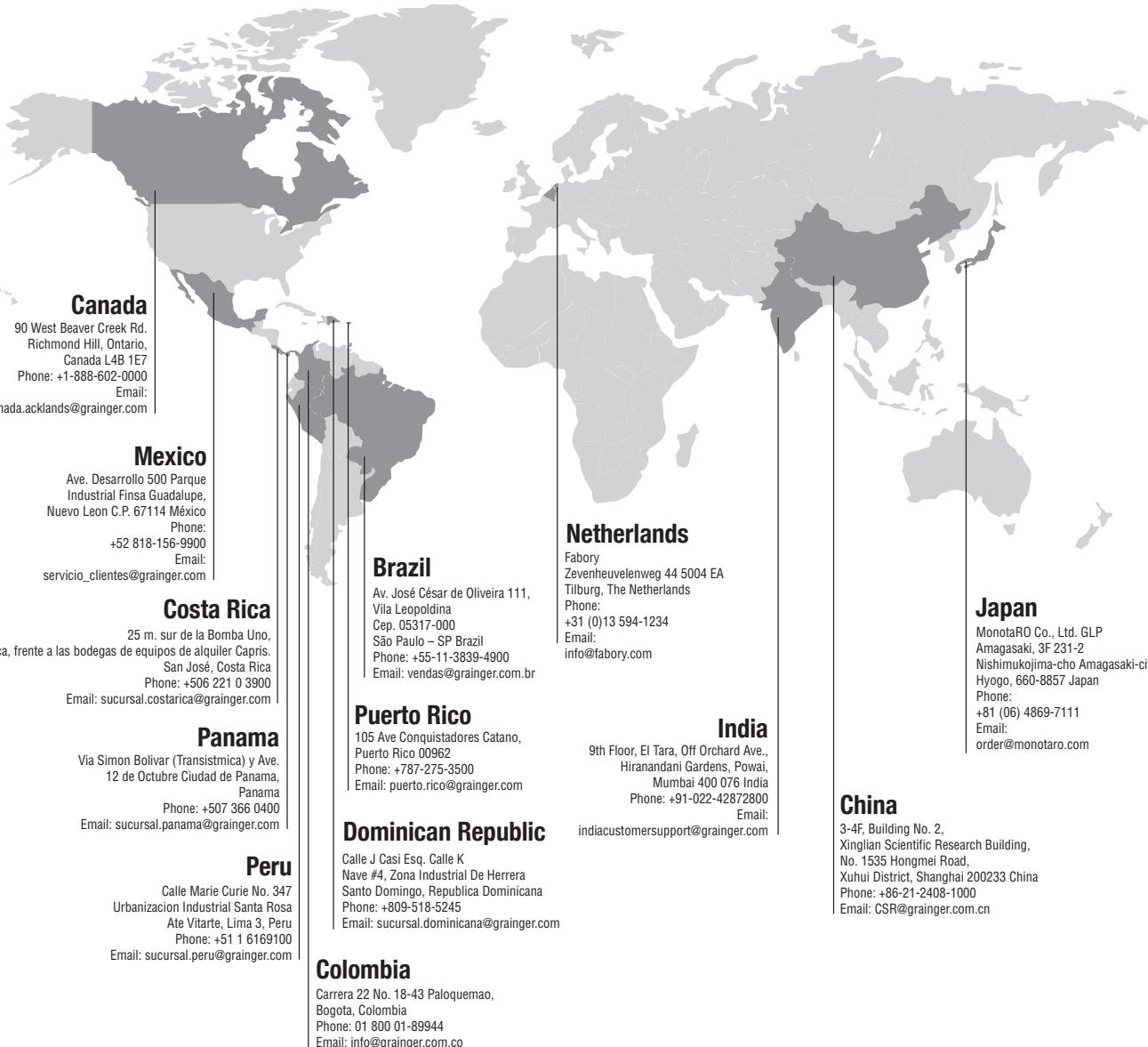
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Canton, 1721 6th St. SW, 44706-1203	330 588-9111	330 588-9410	Waco, 6901 Imperial Dr., 76712-6813	800 687-6807	855 281-3749
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Lima, 915 Industry Ave., 45804-4171	419 228-1185	419 222-8390	DFW Area		
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Perrysburg, 1300 Third St., 43551-4349	419 666-3320	419 666-1595	Dallas, 2500 Pacific Ave., 75226-1433	800 687-6807	855 281-3749
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Cincinnati, 4420 Glendale Milford Rd., 45242-3708	513 563-7100	513 563-6929	Ft. Worth, 4924 Cambridge Rd., 76155-2248	800 687-6807	855 281-3749
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Franklin, 1455 E. 2nd St., 45005-1838	937 743-3940	937 743-3942	Houston Area		
Oklahoma					
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Tulsa, 10707 E. Pine St., 74116-1547	918 836-8631	918 838-7987	Deer Park, 1251 Hall Court, 77536-6558	281 241-3041	281 241-3043
Oregon					
Eugene, 2950 Chad Dr., 97408-7343	541 342-7606	541 683-4174	Houston, 1222 South Loop West, 77054-4012	713 748-8280	713 748-1510
Portland, 6335 N. Basin Ave., 97217-3915	503 283-0366	503 285-8624	Houston, 3232 Harrisburg Blvd., 77003-2436	713 225-4106	713 229-0417
Salem, Oregon Number,	503 375-0027	—	Houston, 4545 Darien St., 77028-5911	713 675-2544	713 673-4267
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Bethlehem, 2011 Avenue C, 18017-2117	610 264-7561	610 264-8512	Houston, 16741 North Freeway, 77090-5105	281 876-1180	281 874-0954
Dunmore, 1037 O'Neill Hwy., 18512-1703	570 961-2436	570 961-5447	Houston, 17010 Katy Fwy., 77094-1410	832 772-1600	832 772-1601
Erie, 415 W. 12th St. #2, 16501-1505	814 456-4570	814 456-4593	Stafford, 3900 Greenbriar Dr., 77477-3919	281 240-4444	281 240-2101
Harrisburg, 4320 Lewis Rd., 17111-2538	717 561-8322	717 561-8315	Utah		
Lancaster, 413 Granite Run Dr., 17601-6809	717 560-3630	717 560-2082	Ogden, 2958 South 1900 W., 84401-3228	800 475-1357	801 392-1918
Reading, 4201A Pottsville Pike, 19605-1205	610 929-8144	610 929-2842	Salt Lake City, 2775 S. 900 W., 84119-2447	801 972-1340	801 972-9381
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York, 1000 Vogelsong Rd., 17404-6401	717 767-5802	717 764-7009	South Burlington, 20 Gregory Dr., 05403-6046	802 658-4988	802 658-2560
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Frazer, 580 Lancaster Ave., 19355-1808	610 727-5251	610 727-5252	Dulles, 101 International Dr., 20166-9442	571 203-9003	571 203-9111
Mt. Laurel, 819 E. Gate Dr., 08054-1208	856 234-8550	856 234-2524	Falls Church, 2947 Gallows Rd., 22042-1024	703 698-1503	703 644-8513
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Norristown, 2560 Blvd. of the Generals, 19403-5228	610 630-9070	610 630-0547	Newport News, 809 Middle Ground Blvd., 23606-4209	757 873-7600	757 873-3229
Philadelphia, 401 N. 8th St., 19123-3902	215 238-8820	215 923-7385	Norfolk, 1401 Sewells Point Rd., 23502-2057	757 855-3153	757 855-9542
Philadelphia, 10401 Drummond Rd., 19154-3805	215 632-4700	215 637-5223	Richmond, 2424 Magnolia Court, 23223-2322	804 649-0731	804 788-4187
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Warminster, 17 Bonair Dr., 18974-4811	215 956-0900	215 672-5494	Christiansburg Number,	540 552-0302	—
Pittsburgh Area					
Pittsburgh, 120 Beta Dr., 15238-2932	412 963-8700	412 963-8486	Harrisonburg Number,	540 434-6326	—
Pittsburgh, 201 RIDC Park West Dr., 15275-1003	412 788-8899	412 788-8907	Springfield, 7400 Boston Blvd., 22153-3121	703 644-8500	703 644-8513
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Georgetown Number,	843 546-9092	—	Pasco, 3306 W. Marie St., 99301-3899	509 545-5065	509 547-6574
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Austin, 7950 Research Blvd., Suite 101, 78758-8425	512 837-7440	512 837-2041	Parkersburg, 900 Division St., 26101-6051	304 428-6579	304 424-7196
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Corpus Christi, 430 Sun Belt Dr., 78408-2411	361 289-9201	361 289-7943	Green Bay, 751 Morris Ave., 54304-4558	920 497-2225	920 497-1494
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Warning: This product contains a chemical known to the State of California to cause cancer.

Warning: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Motors

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See Electric Motor Terminology Section on page 7 for Detailed Information.

Motors are used in a wide variety of applications. In some applications more than 1 motor design would work; in others, if an exact replacement cannot be found, a similar motor with slight differences in mechanical and electrical characteristics will provide reliable operation. The following selection guide is designed to help you choose the correct motor for your application.

STEP 1: GATHER MOTOR INFORMATION

You will need the following information to properly select a motor. If you are replacing a motor, much of the information can be found on the existing motor nameplate. See the sample nameplate on this page:

1-Phase (PH): Either single (1) or three (3). Match exactly.

2-Voltage (Volts): Match exactly.

3-Horsepower (HP): Very small motors are often rated in watts. Choose an equal or next higher HP.

4-Physical Size/Frame (FR): Match exactly.

5-Speed (RPM): Match within 5%.

6-Frequency (Hz): Match exactly.

7-Service Factor (SF): Choose a motor of equal or greater number.

8-Type: See table on this page.

9-Enclosure (Encl.): See table on this page.

10-Duty Cycle: If current motor is intermittent duty, you may upgrade to continuous. Air-over must be installed in the driven fan blade's airstream.

11-Bearing Type: Sleeve or Ball.

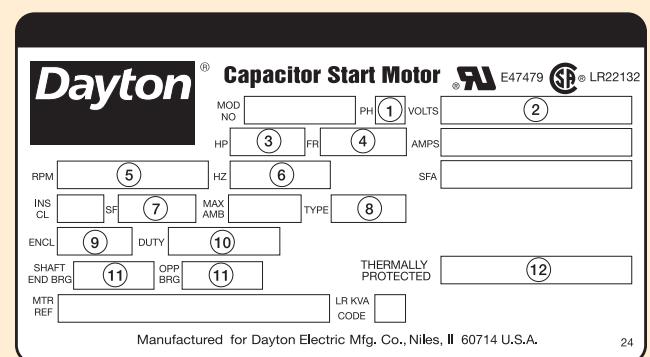
12-Thermal Protection: See Thermal Protection Information on page 5.

STEP 2: DETERMINE THE RIGHT CATALOG SECTION

By your application: Many motors are listed by application. You will find these applications under "Motors" in the Product Index in the catalog. Turn to the specific page or section to find your motor. If your application is not listed in the index, choose your motor by its characteristics.

By the characteristics: Motor type, horsepower, speed, frame, voltage, and enclosure. Grainger carries General Purpose motors designed for reliable use in a wide variety of applications, Definite Purpose motors for specific applications, and HVAC motors for various air moving applications.

General Purpose Motors are designed for mechanical loads (also effective for air moving), and for hard-to-start applications such as conveyors, belt-driven equipment, machine tools, and



Manufactured for Dayton Electric Mfg. Co., Niles, IL 60714 U.S.A.

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reciprocating pumps. These motors feature ball bearings to handle heavier radial and axial loads and heavier construction for industrial applications.

Definite Purpose Motors are designed for specific applications such as wash-down, hazardous location, pump duty, etc. Motor features are driven by the specific application's environment.

HVAC Motors are designed mostly for air moving and other light- to medium-duty applications, such as fans and centrifugal pumps, small tools, and office equipment.

STEP 3: FIND THE RIGHT PAGE

Motors are arranged within this section of the catalog as follows: first by type/application; then by enclosure or special

AC MOTOR TYPES				
Phase	Type	Typical RPM	Starting Torque as Percent of Full-Load Torque	Comparative Efficiency
1	Shaded Pole	1050, 1550, 3000	Very Low 50-100%	Low
1	Permanent Split Capacitor (PSC)	825, 1075, 1625	Low 75-150%	Moderate
1	Split-Phase	1140, 1725, 3450	Low to Moderate 130-170%	Moderate
1	Capacitor-Start	1140, 1725, 3450	Moderate to High 200-400%	Moderate to High
3	3-Phase	1140, 1725, 3450	Moderate to High 200-300%	High

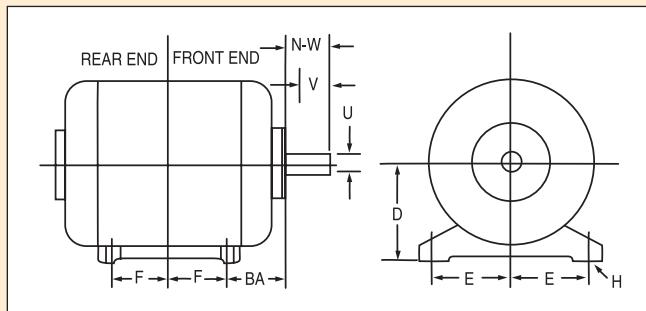
ENCLOSURE TYPE	ENCLOSURE TYPES How Can I Tell?	Where Do I Use This Enclosure?
Open Driproof (ODP)/Open	Ventilation holes in shell and/or endshield	Clean, dry, nonhazardous environments
Enclosed TEFC/TENV	No ventilation holes in shell or endshield	Dirty, moist, nonhazardous environments
Hazardous Location	Enclosed. Must have a UL Hazardous Location nameplate on motor	Designed for use in hazardous environments as defined by National Electrical Code (NEC) classifications. NEC Class and Group are designated on UL Hazardous Location nameplate mounted on motor. See page 6, 29 for more details.

Other Abbreviations Used In Motor Listings

AC	Alternating Current	H. Ht.	Height	OPO	Open Air-Over
A, Amps	Amperes	HP	Horsepower	PE	Pump End
Amb.	Ambient	Hz	Hertz	Prot.	Protection
Auto	Automatic	Imp.	Impedance	PSC	Permanent Split Capacitor
AWG	American Wire Gauge	In.	Inch, Inches	Resil.	Resilient
C	Centigrade	In.-Lb.	Inch-Pound	Rev.	Reversible
Cap.	Capacitor	Ins.	Insulation	RPM	Revolutions per Minute
CCW	Counterclockwise	L, Lgth.	Length, Long	SF	Service Factor
Cond.	Conductor	Lb.	Pounds	Shpg.	Shipping
CSA	Canadian Standards Association	Man.	Manual	Slv.	Sleeve
CW	Clockwise	Max.	Maximum	Spd.	Speed
CW/CCW	Reversible	μ F	Microfarad	Syn.	Synchronous
CWSE	Clockwise Facing Shaft End	Min.	Minimum	TEAO	Totally Enclosed Air-Over
CWLE	Clockwise Facing Lead End	Mtg.	Mounting	TEFC	Totally Enclosed Fan-Cooled
CCWSE	Counterclockwise Facing Shaft End	NEC	National Electrical Code	TENV	Totally Enclosed Nonventilated
CCWLE	Counterclockwise Facing Lead End	NEMA	National Electrical Manufacturer's Association	UL	Underwriters Laboratories, Inc.
DC	Direct Current	No.	Number	V	Volts, Voltage
Dia.	Diameter	Nom.	Nominal	VFILE	View Facing Lead End
Encl.	Enclosure	OC	On Center	VFSE	View Facing Shaft End
FLA	Full-Load Amps	ODP	Open Driproof	W	Width, Watts
Ft.-Lb.	Foot-Pound				

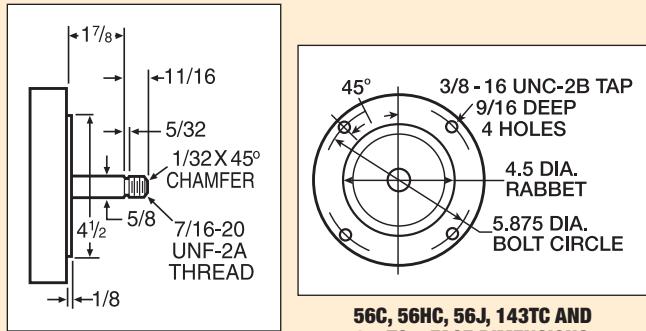
Motor Dimensional Chart

Standardized motor dimensions—established by the National Electrical Manufacturers Association (NEMA)—are tabulated below and apply to all base-mounted motors listed herein that carry a NEMA frame designation.



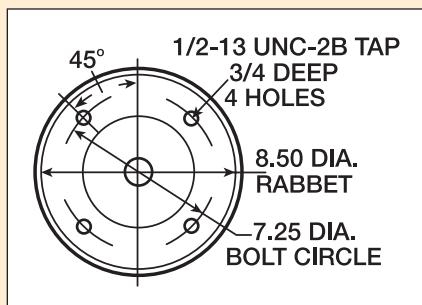
NEMA C- AND J-FACE MOUNTING DIMENSIONS

Mounting dimensions of the 56J-Face are exactly the same as the NEMA 56C. 56J-Face has a threaded shaft of stainless steel while all others have a keyed steel shaft. See illustrations and table below for specifics.



56J SHAFT

56C, 56HC, 56J, 143TC AND 145TC – FACE DIMENSIONS



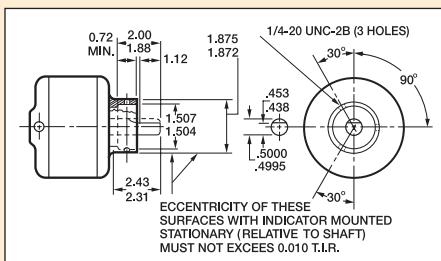
182TC TO 256TC – FACE DIMENSIONS

NEMA Face	Shaft Dia.	Long (N-W)	Rabbet Dia.	Bolt Circle Dia.
42C	5/8	1 1/8	3	3 3/4
48C	1/2	1 1/8	3	3 3/4
56C	5/8	1 1/8	4 1/2	5 5/8
56HC†	5/8	1 1/8	4 1/2	5 5/8
56J	5/8	2 1/16	4 1/2	5 5/8
143TC & 145TC	7/8	2 1/4	4 1/2	5 5/8
146ATC & 1412ATC	7/8	2 1/4	4 1/2	5 5/8
L182ACY & 186ACY	7/8	2 1/4	4 1/2	5 5/8
182TC & 184TC	1 1/8	2 3/4	8 1/2	7 1/4
186ATC & 189ATC	1 1/8	2 1/4	8 1/2	7 1/4
213TC & 215TC	1 1/8	3 3/8	8 1/2	7 1/4
219ATC & 2110ATC	1 1/8	2 3/4	8 1/2	7 1/4
254TC & 256TC	1 1/8	4	8 1/2	7 1/4
284TC	7	11	9 1/2	4 3/4
286U	7	11	11	4 3/4
284T	7	11	9 1/2	4 3/4
286T	7	11	11	4 3/4
284TS	7	11	9 1/2	4 3/4
286TS	7	11	11	4 3/4
324#	8	12 1/2	10 1/2	5 1/4
326#	8	12 1/2	12	5 1/4
324U	8	12 1/2	10 1/2	5 1/4
326U	8	12 1/2	12	5 1/4
324T	8	12 1/2	10 1/2	5 1/4
326T	8	12 1/2	12	5 1/4
324TS	8	12 1/2	10 1/2	5 1/4
326TS	8	12 1/2	12	5 1/4
364#	9	14	11 1/4	5 1/4
364S#	9	14	11 1/4	5 1/4
365#	9	14	12 1/2	5 1/4
364U	9	14	11 1/4	5 1/4
365U	9	14	12 1/2	5 1/4
364T	9	14	11 1/4	5 1/4
365T	9	14	12 1/2	5 1/4
364TS	9	14	11 1/4	5 1/4
365TS	9	14	12 1/2	5 1/4
404T	10	16	12 1/4	6 1/2
405T	10	16	13 3/4	6 1/2
404TS	10	16	12 1/4	6 1/2
405TS	10	16	13 3/4	6 1/2
404U	10	16	12 1/4	6 1/2
405U	10	16	13 3/4	6 1/2
444T	11	18	14 1/2	7 1/2
445T	11	18	16 1/2	7 1/2
447SS	11	18	16 1/2	7 1/2
447TSS	11	18	16 1/2	7 1/2
445TS	11	18	16 1/2	7 1/2
444U	11	18	14 1/2	7 1/2
445U	11	18	16 1/2	7 1/2
449T	11	18	18	7 1/2
449TS	11	18	25	7 1/2

NEMA Frame	D*	2E	All Dimensions in Inches				U	VS Min.	Wide	Key Thick	Long
			2F	BA	H	N-W					
42	2 5/8	3 1/2	11 1/16	2 1/16	9/32 slot	1 1/8	5/8	—	—	5/64 flat	—
48	3	4 1/4	2 3/4	2 1/4	1 1/32 slot	1 1/2	1/2	—	—	5/64 flat	—
48H	3	4 1/4	4 3/4	2 1/2	1 1/32 slot	1 1/2	1/2	—	—	5/64 flat	—
56	3 1/2	4 1/8	3	2 3/4	1 1/32 slot	1 1/8 †	5/8 †	—	—	5/64 flat	1 1/8 †
56H	3 1/2	4 1/8	3 & 5/8	2 3/4	1 1/32 slot	1 1/8 †	5/8 †	—	—	5/64 flat	1 1/8 †
56HZ	3 1/2	**	**	**	**	2 1/4	7/8	2	3 1/16	3 1/16	1 1/8
66	4 1/4	5 7/8	5	3 1/8	1 1/32 slot	2 1/4	3/4	—	3 1/16	3 1/16	1 7/8
143T	3 1/2	5 1/2	4	2 1/4	1 1/32 dia.	2 1/4	7/8	2	3 1/16	3 1/16	1 1/8
145T	3 1/2	5 1/2	5	2 1/4	1 1/32 dia.	2 1/4	7/8	2	3 1/16	3 1/16	1 1/8
146AT	3 1/2	5 1/2	5 1/2	2 3/4	—	2 1/4	7/8	2	3 1/16	3 1/16	1 1/8
148AT	3 1/2	5 1/2	7	2 3/4	1 1/32 dia.	2 1/4	7/8	2	3 1/16	3 1/16	1 1/8
149AT	3 1/2	5 1/2	8	2 3/4	—	2 1/4	7/8	2	3 1/16	3 1/16	1 1/8
1412AT	3 1/2	5 1/2	11	2 3/4	—	2 1/4	7/8	2	3 1/16	3 1/16	1 1/8
182	4 1/2	7 1/2	4 1/2	2 3/4	—	2 1/4	7/8	2	3 1/16	3 1/16	1 1/8
184	4 1/2	7 1/2	5 1/2	2 3/4	1 1/32 dia.	2 1/4	7/8	2	3 1/16	3 1/16	1 1/8
182T	4 1/2	7 1/2	4 1/2	2 3/4	1 1/32 dia.	2 1/4	1 1/8	2 1/2	1/4	1/4	1 1/8
184T	4 1/2	7 1/2	5 1/2	2 3/4	—	2 1/4	1 1/8	2 1/2	1/4	1/4	1 1/8
182AT	4 1/2	7 1/2	4 1/2	2 3/4	—	2 1/4	1 1/8	2	1/4	1/4	1 1/8
L182ACY	4 1/2	7 1/2	4 1/2	2 3/4	—	2 1/4	7/8	2	3 1/16	3 1/16	1 1/8
L182AT	4 1/2	7 1/2	4 1/2	2 3/4	—	2 1/4	1 1/8	2	1/4	1/4	1 1/8
186ACY	4 1/2	7 1/2	7	2 3/4	1 1/32 dia.	2 1/4	7/8	2	3 1/16	3 1/16	1 1/8
186AT	4 1/2	7 1/2	7	2 3/4	—	2 1/4	1 1/8	2	1/4	1/4	1 1/8
L186AT	4 1/2	7 1/2	7	2 3/4	—	2 1/4	1 1/8	2	1/4	1/4	1 1/8
189AT	4 1/2	7 1/2	10	2 3/4	—	2 1/4	1 1/8	2	1/4	1/4	1 1/8
203#	5	8	5 1/2	3 1/8	1 1/32 dia.	2 1/4	9/4	2	3 1/16	3 1/16	1 1/8
204#	5	8	6 1/2	3 1/8	—	2 1/4	9/4	2	3 1/16	3 1/16	1 1/8
213	5 1/4	8 1/2	5 1/2	3 1/8	—	3	1 1/8	2 3/4	1/4	1/4	2
215	5 1/4	8 1/2	7	3 1/8	1 1/32 dia.	3	1 1/8	2 3/4	1/4	1/4	2
213T	5 1/4	8 1/2	5 1/2	3 1/8	—	3 1/8	1 1/8	3 1/8	5/16	5/16	2 3/8
215T	5 1/4	8 1/2	7	3 1/8	—	3 1/8	1 1/8	3 1/8	5/16	5/16	2 3/8
219AT	5 1/4	8 1/2	11	3 1/8	1 1/32 dia.	2 1/4	1 1/8	2 1/2	5/16	5/16	1 3/4
2110AT	5 1/4	8 1/2	12 1/2	3 1/8	—	2 1/4	1 1/8	2 1/2	5/16	5/16	1 3/4
224#	5 1/2	9	6 3/4	3 1/8	1 1/32 dia.	3	1	2 3/4	1/4	1/4	2
225#	5 1/2	9	7 1/2	3 1/8	—	3	1	2 3/4	1/4	1/4	2
254#	6 1/4	10	8 1/4	4 1/4	2 1/2 dia.	3 1/8	1 1/8	3 1/8	1/4	1/4	2 3/8
256U	6 1/4	10	8 1/4	4 1/4	—	3 1/8	1 1/8	3 1/8	5/16	5/16	2 3/8
254T	6 1/4	10	8 1/4	4 1/4	1 1/32 dia.	4	1 1/8	3 3/4	3/8	3/8	2 3/8
256T	6 1/4	10	10	4 1/4	—	4	1 1/8	3 3/4	3/8	3/8	2 3/8
284#	7	11	9 1/2	4 3/4	2 1/2 dia.	3 1/8	1 1/8	3 1/2	1/4	1/4	2 3/4
284U	7	11	9 1/2	4 3/4	—	4 1/8	1 1/8	4 5/8	3/8	3/8	3 3/4
286U	7	11	11	4 3/4	—	4 1/8	1 1/8	4 5/8	3/8	3/8	3 3/4
284T	7	11	9 1/2	4 3/4	1 1/32 dia.	4 1/8	1 1/8	4 5/8	1/2	1/2	3 3/4
286T	7	11	11	4 3/4	—	4 1/8	1 1/8	4 5/8	1/2	1/2	3 3/4
284TS	7	11	9 1/2	4 3/4	1 1/32 dia.	3 1/8	1 1/8	3 3/8	3/8	3/8	1 1/8
286TS	7	11	11	4 3/4	—	3 1/8	1 1/8	3 3/8	3/8	3/8	1 1/8
324#	8	12 1/2	10 1/2	5 1/4	2 1/2 dia.	4 1/8	1 1/8	4 5/8	1/2	1/2	3 3/4
326#	8	12 1/2	12	5 1/4	—	4 1/8	1 1/8	4 5/8	3/8	3/8	2 3/8
324U	8	12 1/2	10 1/2	5 1/4	—	5 1/8	1 1/8	5 1/8	1/2	1/2	4 1/4
326U	8	12 1/2	12	5 1/4	—	5 1/8	1 1/8	5 1/8	1/2	1/2	4 1/4
364#	9	14	11 1/4	5 1/4	2 1/2 dia.	3 1/4	1 1/8	3	9/8	9/8	1 1/8
364S#	9	14	11 1/4	5 1/4	—	5 1/8	1 1/8	5 1/8	1/2	1/2	4 1/4
365#	9	14	12 1/2	5 1/4	—	5 1/8	1 1/8	3 1/2	1/2	1/2	4 1/4
364U	9	14	11 1/4	5 1/4	2 1/2 dia.	6 1/8	2 1/2	6 1/8	1/2	1/2	5
365U	9	14	12 1/2	5 1/4	—	6 1/8	2 1/2	6 1/8	1/2	1/2	5
364T	9	14	11 1/4	5 1/4	—	5 1/8	2 1/2	5 1/8	5/8	5/8	4 1/4
365T	9	14	12 1/2	5 1/4	2 1/2 dia.	5 1/8	2 1/2	5 1/8	5/8	5/8	4 1/4
364TS	9	14	11 1/4	5 1/4	—	3 3/4	1 1/8	3 1/2	1/2	1/2	2 3/8
365TS	9	14	12 1/2	5 1/4	—	3 3/4	1 1/8	3 1/2	1/2	1/2	2 3/8
404T	10	16	12 1/4	6 1/2	—	7 1/4	2 1/2	7	9/8	9/8	5 5/8
405T	10	16	13 3/4	6 1/2	—	7 1/4	2 1/2	7	9/8	9/8	5 5/8
404TS	10	16	12 1/4	6 1/2	1 1/32 dia.	4 1/8	2 1/2	4 1/8	1/2	1/2	2 3/4
405TS	10	16	13 3/4	6 1/2	—	4 1/8	2 1/2	4 1/8	1/2	1/2	2 3/4
404U	10	16	12 1/4	6 1/2	—	7 1/4	2 1/2	6 1/8	5/8	5/8	5 1/2
405U	10	16	13 3/4	6 1/2	—	7 1/4	2 1/2	6 1/8	5/8	5/8	5 1/2
444T	11	18	14 1/2	7 1/2	—	8 1/2	3 3/8	8 1/4	7/8	7/8	6 1/8
445T	11	18	16 1/2	7 1/2	—	8 1/2	3 3/8	8 1/4	7/8	7/8</td	

NEMA Guidelines

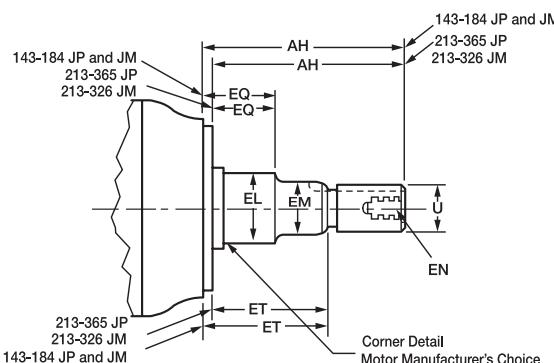
NEMA 48K AND 56K HUB DIMENSIONS FOR SUMP PUMP MOTORS



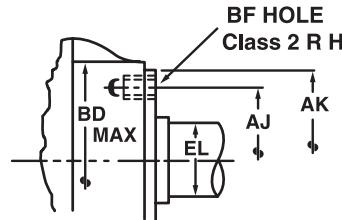
NEMA LETTER DESIGNATIONS FOLLOWING FRAME NUMBER

- C: Face-mount; see previous page.
- H: Designated 56H motors have 2 sets of 2F mounting holes—3" and 5".
- J: Face-mount for jet pumps; see previous page for dimensions.
- K: Has hub for sump pump mounting; see column at left for dimensions.
- M, N: Flange mount for oil burner; see page 80.
- T, U: Integral HP motor dimension standards set by NEMA in 1964 and 1953.
- Y: Nonstandard mounting; see manufacturer's drawing for mounting dimensions.
- Z: Nonstandard shaft (N-W+U dimensions); see manufacturer's drawing for shaft dimensions.

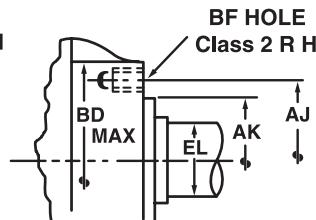
CLOSE-COUPLED PUMP SHAFT DIMENSIONS



FRAMES 213-365 JP
213-326 JM



FRAMES 143-184
JP and JM



Frame Designations	U	EL	EM	EN	EQ	Dimensions (in.)
143JM/145JM	1/8	1 1/2	1	3/8-16 x 3/4	5/8	2 1/8 4 1/4 5 1/8 4 1/2 6 1/8 5/16
143JP/145JP	1/8	1 1/2	1	3/8-16 x 3/4	1 1/16	5 1/16 7 1/16 5/8 4 1/2 6 1/8 5/16
182JM/184JM	7/16	1 1/4	1	3/8-16 x 3/4	5/8	2 1/8 4 1/4 5 1/8 4 1/2 6 1/8 5/16
182JP/184JP	7/16	1 1/4	1	3/8-16 x 3/4	1 1/16	5 1/16 7 1/16 5/8 4 1/2 6 1/8 5/16
213JM/215JM	7/16	1 1/4	1	3/8-16 x 3/4	5/8	2 1/8 4 1/4 7 1/4 8 1/2 9 1/2 13
213JP/215JP	1 1/4	1 3/4	1 3/8	1/2-13 x 1	2 3/8	5 1/8 8 1/8 7 1/4 8 1/2 9 1/2 13
254JM/256JM	1 1/4	1 3/4	1 3/8	1/2-13 x 1	5/8	3 5/4 7 1/4 8 1/2 9 1/4 12 1/2 13
254JP/256JP	1 1/4	1 3/4	1 3/8	1/2-13 x 1	2 3/8	5 1/8 8 1/8 7 1/4 8 1/2 9 1/2 13
284JM/286JM	1 1/4	1 3/4	1 3/8	1/2-13 x 1	5/8	3 5/4 11 12 1/2 13 1/8 5/11
284JP/286JP	1 1/4	1 3/4	1 3/8	1/2-13 x 1	2 3/8	5 1/8 8 1/8 11 12 1/2 13 1/8 5/11

Thermal Protection Information

Motors that start automatically (e.g. thermostat controlled) after tripping and that are located out of operator sight must be protected against dangerous overheating due to failure-to-start or overloading.

This protection may be a separate overcurrent device (e.g. motor starter) complying with Article 430 of the National Electrical Code (NEC), a thermally protected motor (internal motor protection), or an impedance-protected motor.

Motors with automatic reset thermal protection **MUST NOT** be used where automatic or otherwise unexpected starting of the motor could be hazardous. Applications where automatic restarting could be hazardous include compressors, conveyors, power tools, farm equipment, and some fans and blowers. Where such a hazard exists, always use a manual reset, thermally-protected motor.

UL 507 Standard

Any motor used in a fan product, such as bathroom exhaust fans, wall-insert fans, ceiling-insert fans, attic-exhaust fans, whole-house fans, and duct fans, etc., which are built into or within the building structure and which are likely to operate unattended or in situations in which the operator may not detect a locked rotor (stalled motor) condition, must have either a manual reset thermal protector or a thermal cutoff (1-shot) device.

Range hoods, circulating fans, pedestal fans, and ceiling-suspended fans are not included. Agricultural fans are included if they are built into the building structure and are likely to operate unattended or in situations in which the person operating the fan may not detect a locked rotor (stalled motor) condition; they must have either a manual reset thermal protector or a thermal cutoff (1-shot) device.

Premium Efficiency vs. Standard Efficiency

If you operate a 25 HP premium efficiency motor at full load for 24 hr. a day (8760 hr. per yr.) and your cost per kilowatt hr. is 9 cents, you can save \$532.00 annually.

This comparison is based on a premium efficiency motor with a 94.1 efficiency rating vs. a high efficiency motor with a 91.0 efficiency rating.

Increased efficiency leads to lower operating temp., resulting in longer life.

Cool Operation: The life of an insulation system doubles for each 10°C reduction in operating temp.

Longer Bearing Life: The lower the temp., the longer the bearing grease will last.

Annual Savings = $0.746 \times HP \times L \times C \times N \left(\frac{100-E_1}{E_1} - \frac{100-E_2}{E_2} \right)$

HP = Motor Horsepower

L = Percent Load Divided by 100

C = Energy Cost, Dollars per kW Hr.

N = Running Time, Hr. per Yr.

E1 = Efficiency (%) of Standard Efficiency Motor

E2 = Efficiency (%) of Premium Efficiency Motor

IEC (International Electrotechnical Commission)

ENCLOSURES

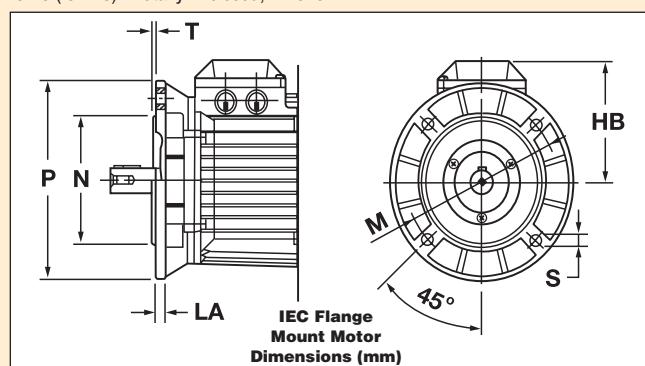
- IEC uses numbers to denote a particular enclosure type
- The numbers follow the letters IP (Ingress Protection) in the motor description
- The first digit signifies, on a rating scale, how well-protected the motor is against entry of solid objects such as dust, wire, tools, or fingers
- The second digit signifies, on a rating scale, the motor's ability to protect against water entry

Common Enclosure Ratings

- IP 22 - Open Driproof Motors
- IP 44 or 54 - Totally Enclosed (NEMA 12)
- IP 45 - Weatherproof Motors
- IP 55 - Washdown-Duty Motors

Common Motor Applications

- IC 01 - NEMA Standard Open Motors
- IC 40 (IC 410) - Totally Enclosed, Nonvented
- IC 41 (IC 411) - Totally Enclosed, Fan-cooled
- IC 48 (IC 418) - Totally Enclosed, Air Over

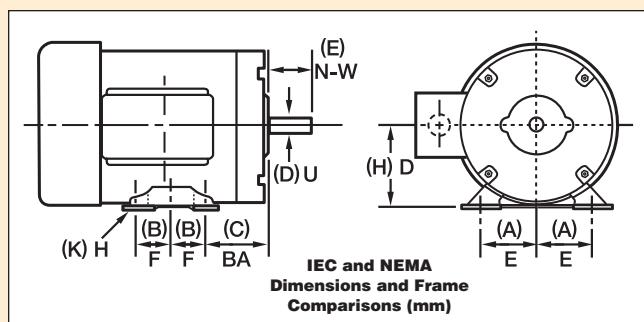


Frame	HB	IEC FLANGE MOUNT MOTOR DIMENSIONS (mm)						Large Flange (B5) D-Flange						Small Flange (B14) C-Face						
		LA	M	N	P	S	T	HB	LA	M	N	P	S	T	HB	LA	M	N	P	S
63 *	108	7	115	95	140	10	3	68	7	75	60	90	M5	2.5						
63	108	7	130	110	160	10	3.5	—	—	—	—	—	—	—						
71	120	7	130	110	160	10	3.5	120	9	85	70	105	M6	2.5						
80	126	12	165	130	200	12	3.5	126	9	100	80	120	M6	3						
90S	139	12	165	130	200	12	3.5	139	9	115	95	140	M8	3						
90L	139	12	165	130	200	12	3.5	139	9	115	95	140	M8	3						
100L	170	11	215	180	250	15	4	170	14	130	110	160	M8	3.5						
112	188	12	215	180	250	15	4	188	14	130	110	160	M8	3.5						
132	213	12	265	230	300	15	4	215	14	165	130	200	M10	3.5						

* M2A63 can be supplied with shaft extension D=11, E=23, F=4, and GA=125mm, and DB=M4, if flange M=115mm.

Efficiency Ratings

- IEC uses the following ratings to designate motor efficiencies:
- IE2 = Meets Exact levels
- IE3 = Meets NEMA Premium
- IE4 = Exceeds NEMA Premium



(IEC) NEMA	(H) D	(A) E	(B) F	(K) H	(D) U	(C) BA	(E) N-W
(56) †	56	45	35.5	5.8	9	36	20
63	63	50	40	7	11	40	23
42	66.7	44.5	44.5	7.1	9.5	52.4	28.6
(71)	71	56	45	7	14	45	30
48	76.2	54	34.9	8.7	12.7	63.5	38.1
(80)	80	62.5	50	10	19	50	40
56	88.9	61.9	38.1	8.7	15.9	69.9	47.6
(90S)	90	70	50	10	24	56	50
143T	88.9	69.8	50.8	8.7	22.2	57.2	57.2
(90L)	90	70	62.5	10	24	56	50
145T	88.9	69.8	63.5	8.7	22.2	57.2	57.2
(100L) †	100	80	70	12	28	63	60
(112S)	112	95	57	12	28	70	60
182T	114.3	95.2	57.2	10.7	28	70	69.9
(112M)	112	95	70	12	28	70	60
184T	114.3	95.2	68.2	10.7	28	70	69.9
(132S)	132	108	70	12	38	89	80
213T	133.4	108	69.8	10.7	34.9	89	85.7
(132M)	132	108	89	12	38	89	80
215T	133.4	108	88.8	10.7	34.9	89	85.7
(160M)*	160	127	105	15	42	108	110
254T	158.8	127	104.8	13.5	41.3	108	101.6
(160L)*	160	127	127	15	42	108	110
256T	158.8	127	127	13.5	41.3	108	101.6
(180M)*	180	139.5	120.5	15	48	121	110
284T	177.8	139.8	120.2	13.5	47.6	121	117.5
(180L)*	180	139.5	139.5	15	48	121	110
286T	177.8	139.8	139.8	13.5	47.6	121	117.5
(200M)*	180	159	133.5	19	55	133	110
324T	203.3	158.8	133.4	16.7	54	133	133.4
(200L)*	200	159	152.5	19	55	133	110
326T	203.2	158.8	152.4	16.7	54	133	133.4

* Shaft dimensions of these motors may vary among manufacturers. † No NEMA equal.

Hazardous Location Motor Temperature Codes

In addition to identifying the Class, Group, and Division of the hazardous location motor, you must also obtain the temperature code or maximum surface temperature for the motor. This code or temperature indicates the maximum surface temperature for all conditions including burnout, overload, single phasing, and locked rotor. The maximum surface temperature or T-Code must be identified on the nameplate.

"T" Number (T-Code On Nameplate)	TEMPERATURE IDENTIFICATION NUMBERS	
	Max. Temp. (For All Conditions)	"T" Number (T-Code On Nameplate)
T1	450°C	842°F
T2	300°C	572°F
T2A	280°C	536°F
T2B	260°C	500°F
T2C	230°C	446°F
T2D	215°C	419°F
T3	200°C	392°F
T3A	180°C	356°F
T3B	165°C	329°F
T3C	160°C	320°F
T4	135°C	275°F
T4A	120°C	248°F
T5	100°C	212°F
T6	85°C	185°F

National Electrical Code Explosive Atmosphere Classifications

Certain locations are hazardous because the atmosphere may contain gas, vapor, or dust in explosive quantities. The National Electrical Code (NEC) divides these locations into Classes and Groups according to the type of explosive agent which may be present. Listed are some of the agents in each classification. For a complete list, see NFPA (National Fire Protection Association) publication 497M.

Underwriters' Laboratories tests motors and other devices for safety in explosive atmospheres, and publishes a list of those products that meet its standards for each Class and Group.

Use of UL Listed devices does not necessarily make an installation conform to the NEC or local codes.

Consult Chapter 5 of the NEC, local building codes, OSHA requirements, and insurance inspectors for detailed data as to proper procedures. This catalog does not contain any motors designed for Class I, Groups A or B atmospheres.

hexane, isoprene, methane (natural gas), methanol, naphtha, propane, propylene, styrene, toluene, vinyl chloride, xylene

CLASS I

Group E: Aluminum, magnesium, and other metal dusts with similar characteristics

Group F: Carbon black, coke, or coal dust

Group G: Flour, starch, or grain dust

CLASS II

Easily ignitable fibers, such as rayon, cotton, sisal, hemp, cocoa fiber, oakum, excelsior, and other materials of similar nature

Motor Terminology

Amb. (Ambient)—The temp. of the space around the motor.

Brgs. (Bearings)—Basic types:

- **Slv. (Sleeve)**—Preferred where low noise level is important, as on fan and blower motors. Unless otherwise stated, sleeve bearing motors listed herein can be mounted in any position, including shaft-up or shaft-down (all-position mounting).

- **Ball**—Used where higher load capacity is required or periodic lubrication is impractical. The 2 methods used to keep out dirt are: shields and seals.

Encl. (Enclosure)—The motor's housing. Types:

- **Hazardous Location**—A totally enclosed motor designed to withstand an internal explosion of specified gases or vapors, and not allow the internal flame or explosion to escape.

- **ODP (Open Driproof)**—Ventilation openings in endshields and shell placed so drops of liquid falling within 15° from vertical will not affect performance. Usually used indoors, in fairly clean locations.

- **OPAO (Open Air-Over)**—Motors intended for fan and blower service. Must be located in the driven fan blade's air stream to provide motor cooling.

- **TEAO (Totally Enclosed Air-Over)**—Air flow from driven or external device provides cooling air flow over the motor, but not airtight or waterproof.

- **TEFC (Totally Enclosed Fan-Cooled)**—Includes an external fan in a protective shroud, to blow cooling air over the motor, but not airtight or waterproof.

- **TENV (Totally Enclosed Nonventilated)**—Not equipped with an external cooling fan, but not airtight or waterproof.

Depends on convection air for cooling.

- **Washdown**—Designed for use in wet areas, or applications that require frequent cleaning.

FLA (Full Load Amps)—Line current (amperage shown on motor nameplate) drawn by a motor when operating at rated HP and voltage.

Hz (Hertz)—Frequency, in cycles per sec., of AC power; usually 60 Hz in USA, 50 Hz overseas.

HP (Horsepower)—The amount of work a motor can do. 1 HP equals 746 watts.

Ins. (Insulation)—In motors, usually classified by max. allowable operating temp.: Class A-105°C (221°F), Class B-130°C (266°F), Class F-155°C (311°F), Class H-180°C (356°F).

Mtg. (Mounting)—Basic types

- **Bolted**—Frame is attached to motor with removable bolts.

- **C-Face or Flange**—Shaft end has a flat mounting surface, machined to standard dimensions, with holes to allow easy, secure mounting to driven equipment. Commonly used on jet pumps, oil burners, and gear reducers.

- **Cradle/Resilient**—Motor shell is isolated from base by vibration-absorbing material, such as rubber rings on the endshields, to reduce transmission of vibration to the driven equipment.

- **Rigid**—Motor solidly fastened to equipment through metal base that is welded to, or cast into, motor shell.

- **Stud**—Motor has bolts extending from front or rear, by which it is mounted. Often used on small, direct drive fans and blowers.

- **Yoke**—Tabs or ears are welded to motor shell to allow bolting of motor to a fan column/pedestal or bracket.

Nameplate RPM—The nominal speed at which an induction motor operates under rated load (HP) conditions.

SF (Service Factor)—A measure of the reserve margin built into a motor. Motors rated over 1.0 SF have more than normal margin, and are used where unusual conditions such as occasional high or low voltage, momentary overloads, etc. are likely to occur.

Severe Duty—A totally enclosed motor with extra protection (shaft slinger, gasketed terminal box) to resist entry of contaminants. Used in extra

dirty, damp or other nonhazardous contaminated environments.

Temperature Rise—The amount by which a motor, operating under rated conditions, is hotter than its surroundings. On most motors, manufacturers have replaced the Rise rating on the motor nameplate with a listing of the Ambient temp. rating, insulation class, and service factor.

Thermal Protection—A temp. sensing device built into the motor that shuts off the motor if the temp. becomes excessive due to failure-to-start or overloading. Basic types:

- **Auto (Automatic-Reset)**—After motor cools, thermal protector automatically connects motor to power.

- **WARNING: Should not be used where unexpected restarting would be hazardous.**

- **Imp (Impedance Protected)**—Motor is designed so that it will not burn out in less than 15 days under locked rotor (stalled) conditions, in accordance with UL Standard No. 519.

- **Man. (Manual-Reset)**—An external button must be pushed to reconnect power to motor. Preferred where unexpected restarting would be hazardous, as on saws, conveyors, compressors, etc.

- **T-Stat (Thermostat)**—A temperature-sensing device installed inside the motor with separate leads brought out for connection into motor starter coil (control) circuit. Under failure-to-start or overload conditions, thermostat contacts will open. Thermostat contacts will reclose automatically when motor cools.

Torque—Twist, or turning ability, as applied to a shaft. Measured in foot-pounds (ft.-lb.), inch-pounds (in.-lb.), ounce-feet (oz.-ft.) or ounce-inches (oz.-in.).

- **Breakdown**—The maximum torque a motor will produce while running, without an abrupt drop in speed and power.

- **Locked Rotor or Starting**—The maximum torque produced at initial start.

3-Phase Motor EISA 2007/2010 Information



ENERGY LEGISLATION COVERAGE

The EPAct 2007 legislation separates the motors covered by the policy into 2 groups: Subtype 1 and Subtype 2. These are defined as follows.

SUBTYPE 1

- General Purpose 3-Phase Motors
- 1 to 200 HP
- NEMA frame 143T and larger
- C-Face Motors with Base Mount

Motors previously covered under EPAct 1992 will now be required to meet NEMA Premium Efficient levels (NEMA MG1 Table 12-12).

SUBTYPE 2

- General Purpose and Definite Purpose 3-Phase Motors
- 1 to 200 HP
- NEMA frame 143T and larger
- U Frame Motor Designs
- NEMA Design C Torque
- Close-Coupled Pump
- Metric IEC
- Fire Pump
- Footless Design, C-Face without Base
- Vertical Solid Shaft Normal Thrust
- 8 Pole General Purpose Design up to 600V
- NEMA Design B General Purpose 201 to 500 HP

3-Phase motors not covered under EPAct 1996 and meeting the following requirements, will now be required to meet old EPAct 1996 minimum efficiency standards (NEMA MG1 Table 12-11).

Note: NEMA Premium is a registered trademark of the National Electrical Manufacturers Association and may only be used on products covered by a memorandum of understanding between the manufacturer and NEMA.

Motor HP	NEMA Premium Nominal Full-Load Efficiency					
	Open Motors RPM		Enclosed Motors RPM			
	1200	1800	3600	1200	1800	3600
1	82.5	85.5	77.0	82.5	85.5	77
1½	86.5	86.5	84.0	87.5	86.5	84
2	87.5	86.5	85.5	88.5	86.5	85.5
3	88.5	89.5	85.5	89.5	89.5	86.5
5	89.5	89.5	86.5	89.5	89.5	88.5
7½	90.2	91.0	88.5	91.0	91.7	89.5
10	91.7	91.7	89.5	91.0	91.7	90.2
15	91.7	93.0	90.2	91.7	92.4	91.0
20	92.4	93.0	91.0	91.7	93.0	91.0
25	93.0	93.6	91.7	93.0	93.6	91.7
30	93.6	94.1	91.7	93.0	93.6	91.7
40	94.1	94.1	92.4	94.1	94.1	92.4
50	94.1	94.5	93.0	94.1	94.5	93.0
60	94.5	95.0	93.6	94.5	95.0	93.6
75	94.5	95.0	93.6	94.5	95.4	93.6
100	95.0	95.4	93.6	95.0	95.4	94.1
125	95.0	95.4	94.1	95.0	95.4	95.0
150	95.4	95.8	94.1	95.8	95.8	95.0
200	95.4	95.8	95.0	95.8	96.2	95.4
250	95.4	95.8	95.0	95.8	96.2	95.8
300	95.4	95.8	95.4	95.8	96.2	95.8
350	95.4	95.8	95.4	95.8	96.2	95.8
400	95.8	95.8	95.8	95.8	96.2	95.8
450	96.2	96.2	95.8	95.8	96.2	95.8
500	96.2	96.2	95.8	95.8	96.2	95.8

MOTORS

Split-Phase General Purpose Motors



Base-Mount
No. 5K279



Cradle-Mount
No. 5K671



Cradle-Mount
No. 6XH57

Dayton®

Split-Phase Open Driproof Base- and Cradle-Mount Motors

- Max. ambient: 40°C
- Rotation: CW/CCW
- Insulation: Class B

Open driproof motors are for use in clean, dry, and nonhazardous applications including fans, blowers, pumps, printing equipment, and other business machines. NEMA 42 frame is supplied with a relay instead of a centrifugal switch; relay mounting clip is included. UL Recognized and CSA Certified.

HP	Nameplate RPM	NEMA/IEC Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Bearings	Overall Length	Shaft Dia.	Shaft Length	Footnotes	Item No.	\$ Each
Single-Speed, Base-Mount													
1/4	1725/1425	48Z	Auto	110/220	4.2/2.1	1.35	Ball	9 1/2"	1/2"	1 1/8"	6	6XJ46	✓ 194.00
	1725	48Z	None	115	5.3	1.35	Ball	9 9/16"	1/2"	2 1/4"	—	6XJ35	✓ 98.40
	56Z	None	115		5.3	1.35	Ball	9 9/16"	1/2"	1 1/8"	31	5K279	✓ 147.40
1/3	1725	48Z	None	115	7	1.15	Ball	9 9/16"	1/2"	2 1/4"	—	6XH45	✓ 114.20
	1725	56Z	Auto	115	7	1.35	Ball	9 9/16"	1/2"	1 1/8"	31	5K412	✓ 183.75
	56Z	None	115		7	1.35	Ball	9 9/16"	1/2"	1 1/8"	31,50	5K281	✓ 155.75
1/2	1725	48Z	None	115	8.9	1.25	Ball	9 13/16"	1/2"	1 1/8"	—	5K984	✓ 206.75
	56	Manual	115		8.9	1.25	Ball	9 13/16"	5/8"	1 1/8"	—	5K597	✓ 254.00
	1725	56Z	None	115	8.9	1.25	Ball	10 9/16"	5/8"	2 1/4"	—	6XH82	✓ 165.25
3/4	1725	56Z	None	115	11.3	1.25	Ball	11 1/4"	5/8"	2 1/4"	—	6XJ24	✓ 153.75
Single-Speed, Cradle-Mount													
1/2	1725	42	None	115	3.7	1.40	Ball	6 44/47	3/8"	1 1/8"	—	6K402	✓ 175.75
	1725	48Z	None	115	4.2	1.35	Ball	9 9/16"	1/2"	1 1/8"	39	6XH64	✓ 141.55
1/6	1140	48Z	None	115	4.5	1.35	Ball	10 9/16"	1/2"	1 1/8"	39	6XH78	✓ 254.00
	1140	56Z	None	115	4.5	1.35	Ball	10 9/16"	1/2"	1 1/8"	31,50	5K559	✓ 256.50
	850	56	None	115	7.0	1.35	Ball	11 13/16"	5/8"	1 1/8"	41	6XH80	✓ 442.25
1/4	1725	48Z	Auto	115	5.3	1.35	Sleeve	9 13/16"	1/2"	1 1/8"	37	6K718	✓ 154.00
	1725	48Z	None	230	2.5	1.35	Ball	9 13/16"	1/2"	1 1/2"	—	6XH61	✓ 154.00
	1725	48Z	None	115	5.3	1.35	Ball	9 13/16"	1/2"	1 1/8"	39	6XH65	✓ 155.25
	56Z	None	115		5.3	1.35	Ball	9 13/16"	1/2"	1 1/8"	31,39,50	5K280	✓ 158.75
1/2	1725	56Z	None	115	5.3	1.35	Ball	9 13/16"	1/2"	1 1/8"	41	6XJ57	✓ 305.50
	1140	56	None	115	5.5	1.35	Ball	10 13/16"	5/8"	1 1/8"	—	24C177	✓ 282.50
	1140	56	None	208-230	2.7-2.9	1.35	Ball	10 13/16"	5/8"	1 1/8"	41	6XH73	✓ 541.00
	850	56	None	115	6.9	1.25	Ball	11 13/16"	5/8"	1 1/8"	41	5K586	✓ 153.00
	3450	48Z	None	115	5.4	1.35	Ball	10 9/16"	1/2"	1 1/8"	37	6XH71	✓ 156.75
	1725	48	None	230	3.5	1.35	Ball	9 13/16"	1/2"	1 1/8"	—	5K601	✓ 165.75
1/3	1725	48Z	Auto	115	7	1.35	Ball	9 13/16"	1/2"	1 1/8"	37	5K917	✓ 137.10
	1725	48Z	None	230	3.5	1.35	Ball	9 13/16"	1/2"	1 1/8"	—	5K602	✓ 202.00
	1725	56Z	None	115	7.0	1.35	Ball	9 13/16"	1/2"	1 1/8"	31,50	5K534	✓ 154.00
	1140	56	None	115	7.0	1.35	Ball	10 13/16"	5/8"	1 1/8"	41	6XH74	✓ 368.25
	3450	48Z	None	115	7.8	1.25	Ball	10 9/16"	1/2"	1 1/8"	37	6K844	✓ 223.50
1/2	1725	48Z	None	115	8.9	1.25	Ball	10 9/16"	1/2"	1 1/8"	—	6K764	✓ 220.50
	1725	56	None	115	8.9	1.25	Ball	10 9/16"	5/8"	1 1/8"	—	5K283	✓ 204.75
	1725	56	None	230	4.6	1.25	Ball	10 13/16"	5/8"	1 1/8"	—	5K288	✓ 235.75
3/4	1725	56	None	115	8.9	1.25	Ball	10 9/16"	1/2"	1 1/8"	31	4K913	✓ 215.25
	1725	56	None	115	11.3	1.25	Ball	11 13/16"	5/8"	1 1/8"	—	6XJ13	✓ 235.50
2-Speed, Cradle-Mount													
1/6, 1/5	1725/1140	48Z	None	115	4.0/2.4	1.35	Ball	10 1/6"	1/2"	1 1/8"	39,45	6XH57	✓ 209.50
	1725/1140	48Z	None	115	4.6/4.3	1.35	Ball	10 9/16"	1/2"	1 1/8"	38,45	5K671	✓ 230.00
1/4, 1/6	1725/1140	56Z	None	115	4.9/3.3	1.35	Ball	10 9/16"	1/2"	1 1/8"	31,45,50	5K574	✓ 222.00
1/5, 1/9	1725/1140	48Z	None	115	5.9/3.4	1.35	Ball	10 13/16"	1/2"	1 1/8"	39,45	6XH75	✓ 225.75
	1725/1140	56	None	115	6.1/3.5	1.35	Ball	10 9/16"	5/8"	1 1/8"	41,45	6XH76	✓ 311.00
1/6, 1/6	1725/1140	56Z	None	115	6.1/3.8	1.35	Ball	10 9/16"	1/2"	1 1/8"	31,45,50	5K554	✓ 233.00
1/2, 1/6	1725/1140	56	None	115	7.5/4.9	1.25	Ball	10 13/16"	5/8"	1 1/8"	41,45	6XH67	✓ 392.25
1/2, 1/6	1725/1140	56	None	230	3.8/2.7	1.25	Ball	10 13/16"	5/8"	1 1/8"	41	6XH72	✓ 393.00
1/2, 1/4	1725/1140	56	None	115	7.5/5.4	1.25	Ball	10 29/32"	5/8"	1 1/8"	45	5K423	✓ 300.50
	1725/1140	56	None	230	3.8/2.8	1.25	Sleeve	10 29/32"	5/8"	1 1/8"	—	5K556	✓ 336.25

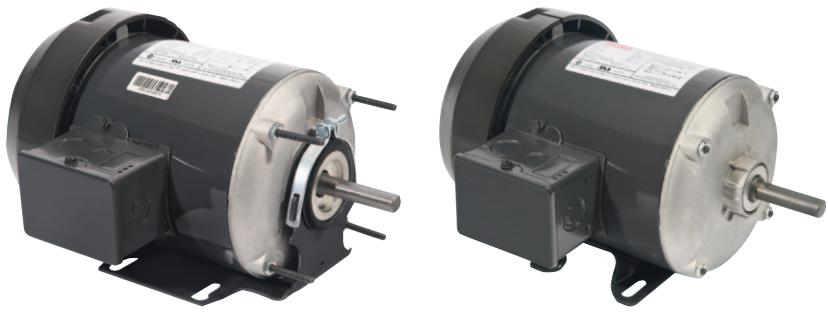
Footnotes: 6—60/50 Hz. 31—Have nonstandard 1/2"-dia. shaft with flat. 37—Rigid cradle base; similar to cradle base, except does not have rubber rings on endshield. 38—NEMA 48Y frame cradles are notched for mounting in place of 48 or 56 frame cradle. 39—Cradle with studs in a 3 1/2" square pattern. 41—Cradle with studs in a 4 1/16" square pattern. 45—2-speed 115V switch No. 1DG29 available, see page 4094. 50—Supplied with 5/8"-dia. shaft bushing.



SPLIT-PHASE TOTALLY ENCLOSED FAN-COOLED MOTORS

- Max. ambient: 40°C
- Rotation: CW/CCW

Totally enclosed motors are for use in dusty, dirty, nonhazardous applications including fans, blowers, pumps, and other business machines. Feature large conduit box for easy wiring. UL Recognized and CSA Certified.



Cradle/Stud Mount

Base Mount

HP	Nameplate RPM	NEMA/IEC Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Bearings	Insulation Class	Overall Length	Mounting	Foot-notes	Item No.	\$ Each
Single-Speed													
1/8	1140	48Z	None	115	3.5	1.0	Ball	B	11 1/16"	Cradle/Stud	39	6XJ01 ✓	245.75
	1725	48Z	None	115	3.2	1.0	Ball	B	11 1/16"	Cradle/Stud	—	6XJ03 ✓	196.50
	1725	48Z	None	115	3.2	1.0	Ball	B	11"	Base	—	6XJ06 ✓	187.50
1/8	1140	48Z	None	115	4.4	1.0	Ball	B	11 1/16"	Cradle/Stud	—	6XH99 ✓	266.50
	1140	48Z	None	115	4.4	1.0	Ball	B	11 1/16"	Cradle/Stud	39	6XJ04 ✓	271.75
	1725	48Z	None	115	4.9	1.0	Ball	B	11"	Cradle/Stud	39	6K517 ✓	204.25
1/4	1725	48Z	None	115	4.9	1.0	Ball	B	10 5/8"	Base	—	6XJ07 ✓	204.00
	1140	56	None	115/230	5.8/2.9	1.0	Ball	B	12"	Cradle/Stud	39	6XJ14 ✓	331.00
	1725	48Z	None	115	5.9	1.0	Ball	B	11"	Cradle	—	6K572 ✓	233.50
1/8	1725	56	None	115	5.9	1.0	Ball	B	11"	Cradle/Stud	40	6XJ10 ✓	254.50
	1140	56	None	115	6.4	1.0	Ball	B	12 1/16"	Cradle/Stud	40	6XJ47 ✓	379.50
1/8	1725	56	None	115	8.0	1.0	Ball	F	11 1/8"	Base	—	5K596 ✓	332.25
1/2	1725	56	None	115	8.0	1.0	Ball	F	11 1/8"	Cradle/Stud	40	6XJ11 ✓	295.75
	1140	56	None	115	8.7	1.0	Ball	B	13 5/16"	Cradle/Stud	40	6XJ56 ✓	483.25
2-Speed													
1/4, 1/2	1725/1140	48Z	None	115	4.7/3.3	1.0	Ball	B	—	Cradle/Stud	39.45	6XJ05 ✓	269.00
1/8, 1/10	1725/1140	56	None	115	5.5/3.0	1.0	Ball	B	12 5/16"	Cradle/Stud	40.45	6XJ15 ✓	331.25
1/2, 1/4	1725/1140	56	None	115	7.2/5.0	1.0	Ball	B	11 1/16"	Base	45	5K618 ✓	451.75
	1725/1140	56	None	115	7.2/5.0	1.0	Ball	B	12 1/16"	Cradle/Stud	40.45	6XJ58 ✓	397.75

Footnotes: 39—Cradle with studs in a 3 5/8" square pattern. 40—Cradle with studs in a 4 1/4" square pattern. 45—2-speed 115V switch No. 1DGZ9 available, see page 4094.

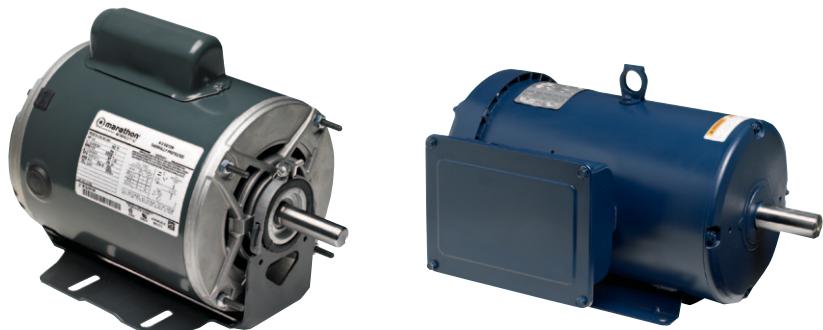


CAPACITOR-START OPEN DRIPROOF AND TOTALLY ENCLOSED MOTORS

- Max. ambient: 40°C
- Rotation: CW/CCW

Open driproof motors are for use in clean, dry, and nonhazardous applications including fans, blowers, pumps, printing equipment, and other business machines.

Totally enclosed motors are suitable for the above and also dusty, dirty, and nonhazardous environments. All motors are UL Recognized and CSA Certified.



Cradle-Mount ODP



Base-Mount TEFC

HP	Nameplate RPM	NEMA Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Bearings	Insulation Class	Overall Length	Mounting	Foot-notes	Mfr. Model	Mfr. Model	Item No.	\$ Each
Open Driproof															
1/8	1725/1425	56	Auto	100-120/200-240	4.0-3.8/2.0-1.9	1.35	—	B	—	Cradle	6, 24	E254	E254	1K101 ✓	285.50
1/8	1725/1425	56	Auto	100-120/200-240	5.8-5.6/2.9-2.8	1.25	—	B	—	Cradle	6, 24	E263	E263	1K103 ✓	351.75
3/4	1725/1425	56	Auto	100-120/200-240	9.0-8.8/4.5-4.4	1	—	B	—	Cradle	6, 24	E272	EG272	1K105 ✓	444.50
1	1725/1425	56H	Auto	100-120/200-240	11.8-11.4/5.9-5.7	1.15	—	B	—	Cradle	6, 24	E281	E281	1K107 ✓	484.25
Totally Enclosed Fan-Cooled															
1/8	1725/1425	56	None	100-120/200-240	4.0-3.8/2.0-1.9	1.35	—	B	11 1/16"	Base	6, 24	E258	E258	1K108 ✓	332.50
1/8	1725/1425	56	None	100-120/200-240	5.8-5.6/2.9-2.8	1.25	—	B	11 1/16"	Base	6, 24	E267	E267	1K109 ✓	386.00
3/4	1725/1425	56	None	100-120/200-240	9.0-8.8/4.5-4.4	1.25	—	B	12 1/16"	Base	6, 24	E276	EG276	1K110 ✓	446.50
1	1140	56	None	115/230	10.6/5.3	1	—	B	13 5/16"	Base	24	C271	C271	2K599 ✓	545.50
1	1725/1425	56	None	100-120/200-240	11.8-11.4/5.9-5.7	1.15	—	B	13"	Base	6, 24	E285	E285	1K111 ✓	512.00

Footnotes: 6—60/50 Hz. 24—Capacitor-start, capacitor-run.

MINIMUM WIRE SIZES (AWG) for 1-Phase Motor Circuits

To connect motor for proper voltage and rotation, refer to the connection diagram on the nameplate or inside the terminal/conduit box.

Note: NEC Article 310-5 states that 14 AWG is the minimum conductor size for general wiring at 115 to 440VAC.

Motor HP	25 ft.		50 ft.		100 ft.		150 ft.		200 ft.	
	115V	230V	115V	230V	115V	230V	115V	230V	115V	230V
1/8	14 (18)*	14 (18)*	14	14 (18)*	12	14 (18)*	10	14 (16)*	8	14
1/6	14 (16)*	14 (18)*	12	14 (18)*	10	14 (16)*	6	14	6	12
1/4	14	14 (18)*	10	14 (16)*	8	14	6	12	4	10
1/3	14	14 (18)*	10	14 (16)*	8	14	6	12	4	10
1/2	12	14 (18)*	8	14	6	12	4	10	3	8
3/4	10	14 (16)*	6	12	4	10	2	8	1	6
1	10	14 (16)*	6	12	4	10	2	8	1	6
1 1/2	8	14	6	12	3	8	1	6	1/0	6
2	8	14	4	10	2	8	1/0	6	2/0	4
3	6	12	3	8	1/0	6	2/0	4	4/0	3

* Smaller gauge (in parentheses) meets electrical requirements.

MOTORS

Capacitor-Start General Purpose Motors



**Cradle Mount
ODP**



**Cradle/Stud Mount
ODP**

Dayton®

Capacitor-Start Cradle-Mount Motors

▪ Max. ambient: 40°C

▪ Rotation: CW/CCW

Open dripproof motors are for use in clean, dry, and nonhazardous applications including fans, blowers, pumps, printing equipment, and other business machines. Totally enclosed motors can be used where open drip-proof motors are used, and are also suitable for dusty, dirty, and nonhazardous environments. All motors are UL Recognized and CSA Certified.

HP	Nameplate RPM Open Driproof, Single-Speed	NEMA Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Bearings	Insulation Class	Overall Length	Mounting	Foot-notes	Item No.	\$ Each	
1/4	3450	48Z	Auto	115/230	6.6/3.3	1.35	Ball	B	10 5/16"	Cradle	31	24C178	205.75	
	1725/1425	48Z	Auto	115/230	4.7/2.4	1.35	Ball	B	9 13/16"	Cradle	—	6K438	✓ 184.50	
	1725	56	Auto	115/230	5.4/2.7	1.35	Ball	B	—	Cradle	—	3K202	✓ 229.75	
	1725	56	None	115/230	3.8/1.9	1.35	Ball	B	10 5/16"	Cradle	—	4K700	✓ 264.75	
	1725	48Z	None	115/230	5.4/2.7	1.35	Ball	B	—	Cradle	—	5K989	✓ 208.75	
	1140	56	Auto	115/230	6.0/3.0	1.35	Ball	B	—	Cradle	—	6XH92	✓ 299.25	
1/3	1140	56	None	115/230	6.8/3.4-3.4	1.35	Ball	B	11 5/16"	Cradle	—	24C179	255.25	
	3450	48Z	Auto	115/230	6.5/3.2	1.35	Ball	B	—	Cradle	—	6XH91	✓ 193.50	
	1725	56	None	115/230	5.7/2.8	1.35	Ball	B	10 13/16"	Cradle	—	4K853	✓ 248.00	
	1725	56	Manual	115/230	6.2/3.1	1.35	Ball	B	—	Cradle	—	5K447	✓ 252.25	
	1725	56	Auto	115/230	5.7/2.8	1.35	Ball	B	10 13/16"	Cradle	—	6K366	✓ 281.75	
	1725	48Z	Auto	115/230	5.4/2.7 & 6.2/3.1	1.35	Ball	B	—	Cradle	—	6K490	✓ 251.00	
1/2	1725	48Z	None	115/230	5.4/2.7	1.35	Ball	B	10 13/16"	Cradle	31	6K927	✓ 252.50	
	1140	56	None	115/230	6.4/3.3	1.35	Ball	B	11 5/16"	Cradle	—	6XH93	✓ 307.00	
	1140	56	Auto	115/230	6.5/3.3	1.35	Ball	B	11 5/16"	Cradle	—	6XH94	✓ 320.50	
	3450	56	Auto	115/230	8.0/4.0	1.25	Ball	B	—	Cradle	—	6K345	✓ 269.00	
	3450	48Z	None	115/230	7.4/3.6	1.25	Ball	B	10 13/16"	Cradle	—	6XH89	✓ 207.00	
	1725	56	Auto	115/230	7.7/3.8	1.25	Ball	B	11 5/16"	Cradle	—	3K199	✓ 257.00	
3/4	1725	56	None	115/208-230	7.7/3.7-3.8	1.25	Ball	B	—	Cradle	—	4K856	✓ 259.50	
	1725	48Z	None	115/230	8.2/4.1	1.25	Ball	B	10 5/16"	Cradle	—	6K951	✓ 240.50	
	1725	48Z	Auto	115/230	8.2/4.1	1.25	Ball	B	—	Cradle	—	6K965	✓ 258.25	
	1725	56H	Auto	115/208-230	7.7/3.7-3.8	1.25	Ball	B	11 13/16"	Cradle	—	24C180	219.50	
	1140	56	None	115/230	8.6/4.3	1.25	Ball	B	—	Cradle	—	6XJ23	✓ 429.25	
	1140	56	Auto	115/230	8.0/4.0	1.25	Ball	F	—	Cradle	—	6XJ25	✓ 435.25	
1	3450	56	Auto	115/208-230	9.2/4.7-4.6	1.25	Ball	B	11 1/16"	Cradle	—	5FTR3	✓ 308.00	
	3450	56	None	115/208-230	9.3/4.7-4.6	1.25	Ball	B	11 1/16"	Cradle	—	5FTR4	✓ 285.75	
	1725	56	None	115/208-230	9.8/5.2-5.0	1.25	Ball	B	11 13/16"	Cradle	—	4K859	✓ 298.00	
	1725	56	Auto	115/230	9.8/5.0	1.25	Ball	B	11 13/16"	Cradle	—	6K376	✓ 301.25	
	1725	56H	Auto	115/208-230	11.3/5.5-5.7	1.25	Ball	B	11 13/16"	Cradle	—	24C181	273.25	
	1140	56	None	115/230	9.7/4.9	1.15	Ball	F	—	Cradle/Stud	24, 41	6XJ33	✓ 493.50	
1 1/2	1140	56	Auto	115/230	9.7/4.9	1.15	Ball	F	13 5/16"	Cradle/Stud	24	5PG26	✓ 488.50	
	3450	56	Auto	115/208-230	14.6/6.9-7.3	1.25	Ball	B	11 13/16"	Cradle	—	6K347	✓ 305.25	
	3450	56	None	115/208-230	14.6/6.9-7.3	1.25	Ball	B	11 13/16"	Cradle	—	5FTR5	✓ 269.75	
	1725	56	None	115/208-230	13.6/6.9-6.9	1.15	Ball	B	—	Cradle	—	5K922	✓ 349.00	
	1725	56	Auto	115/208-230	13.6/6.9-6.9	1.15	Ball	B	11 13/16"	Cradle	—	6K321	✓ 312.00	
	1725	56H	Auto	115/208-230	14.8/7.5-7.3	1.15	Ball	B	12 5/16"	Cradle	—	24C182	287.00	
2	1140	56	Auto	115/230	11.3/5.7	1.15	Ball	F	13 5/16"	Cradle	24	5PGZ7	✓ 516.50	
	1140	56	None	115/230	12.8/6.4	1.15	Ball	B	13 5/16"	Cradle	24	5FTR6	✓ 500.00	
	3450	56	Auto	115/208-230	18.6/9.8-9.3	1.15	Ball	B	12 5/16"	Cradle	—	6K365	✓ 343.75	
	3450	56	None	115/208-230	14.0/7.6-7.0	1.15	Ball	B	12 5/16"	Cradle	—	5FTR7	✓ 302.50	
	1725	56	None	115/230	19.2/9.6	1.15	Ball	B	—	Cradle	—	6K162	✓ 430.50	
	1725	56	Auto	115/230	19.2/9.6	1.15	Ball	B	13 5/16"	Cradle	—	6K324	✓ 385.75	
2	1725	56H	Auto	115/208-230	19.2/10.0-9.6	1.15	Ball	B	13 5/16"	Cradle	—	24C183	308.00	
	3450	56	Auto	115/230	22.7/11.3	1.15	Ball	B	13 5/16"	Cradle	—	6K805	✓ 479.75	
	3450	56	None	115/230	22.4/11.2	1.15	Ball	B	13 5/16"	Cradle	24	5FTR8	✓ 440.00	
	1725	56H	Auto	115/230	20.0/10.0	1.15	Ball	F	14 5/16"	Cradle	—	5PGZ8	✓ 518.00	
	1725	56	None	115/230	20.0/10.0	1.15	Ball	F	14 5/16"	Cradle	—	5PGZ9	✓ 506.50	
	1725/1140	56	None	115	6.4/3.2	1.25	Ball	B	11 1/16"	Cradle	—	5FTR9	✓ 291.25	
1 1/2	1725/1140	56	Auto	115	6.4/3.2	1.25	Ball	B	11 1/16"	Cradle	—	5FTT0	✓ 298.00	
	3/4, 1/4	1725/1140	56	None	115	7.9/4.9	1.25	Ball	B	10 13/16"	Cradle/Stud	24, 41	6XJ26	✓ 401.50
	3/4, 1/5	1725/1140	56	Auto	115	9.8/5.2	1.25	Ball	B	11 13/16"	Cradle/Stud	—	5FTT1	✓ 398.50
	1, 1/2	1725/1140	56	None	115	10.1/7.1	1.15	Ball	B	11 13/16"	Cradle/Stud	24, 41	6XJ34	✓ 439.50
	1, 1/2	1725/1140	56	None	208/230	5.2-5.0/3.5	1.15	Ball	B	11 13/16"	Cradle/Stud	24, 41	6XJ36	✓ 454.00
	1, 1/2	1725/1140	56	Auto	115	11.9/6.0	1.15	Ball	B	11 13/16"	Cradle	—	5FTT2	✓ 432.25
Totally Enclosed Fan-Cooled, Single-Speed	3450	48	Auto	115/230	6.0/3.0	1	Ball	B	11 5/8"	Cradle	—	5PHAO	✓ 198.50	
	3450	56	Auto	115/230	4.8/2.4	1	Ball	B	12 5/8"	Cradle	—	5PHA1	✓ 206.00	
	1/4	1725	56	Auto	115/230	5.3/2.7	1.0	Ball	B	11 1/2"	Cradle	—	5K410	✓ 251.50
	1725	48Z	None	115/230	5.3/2.7	1.0	Ball	B	—	Cradle	—	6XJ08	✓ 205.50	
	1140	56	Auto	115/230	4.7/2.3	1.0	Ball	B	11 1/4"	Cradle	—	5PHB2	✓ 294.25	
	3450	56	Auto	115/230	5.2/2.6	1	Ball	B	11 3/16"	Cradle	—	5PHB3	✓ 224.75	
1/3	1725	56	Auto	115/230	5.8/2.9	1.0	Ball	B	11 1/2"	Cradle	—	5K411	✓ 311.75	
	1140	56	Auto	115/230	5.8/2.9	1	Ball	B	12 5/8"	Cradle	—	5PHA4	✓ 324.75	
	3450	56	Auto	115/230	7.4/3.7	1	Ball	B	11 1/4"	Cradle	—	5PHB5	✓ 264.50	
	1725	56	Auto	115/230	10.1/5.1	1.0	Ball	B	12 5/8"	Cradle	—	6K477	✓ 356.50	
	1140	56	Auto	115/230	8.4/4.2	1	Ball	B	12 7/8"	Cradle	—	5PHA6	✓ 429.00	
	3450	56	Auto	115/230	9.6/4.8	1	Ball	B	12 5/8"	Cradle	—	5PHB7	✓ 314.75	
1	1725	56	Auto	115/230	12.2/6.1	1.0	Ball	B	—	Cradle	—	6K478	✓ 391.75	
	1140	56	Auto	115/230	11.4/5.7	1	Ball	B	13 5/8"	Cradle	24	5PHB8	✓ 524.00	
	3450	56	Auto	115/230	12.0/6.0	1	Ball	B	12 5/8"	Cradle	—	5PHB9	✓ 327.00	
	1725	56	Auto	115/230	13.1/6.6	1.0	Ball	B	—	Cradle	—	6K810	✓ 439.50	
	1140	56H	Auto	115/230	13.6/6.8	1	Ball	B	14 1/8"	Cradle	24	5PHC0	✓ 553.50	

Footnotes: 24—Capacitor-start, capacitor-run. 31—Have nonstandard 1/2" dia. shaft with flat. 37—Rigid cradle base; similar to cradle base except does not have rubber rings on endshield.

41—Cradle with studs in a 4 5/16" square pattern.

Capacitor-Start Base-Mount Motors



- Max. ambient: 40°C
- Rotation: CW/CCW
- Bearing: ball

UL Recognized and CSA Certified.

Open Driproof Motors—For use in clean, dry, and nonhazardous environments. 1½ HP and above feature side-mounted conduit box.

Totally Enclosed Fan-Cooled Motors—For use in dirty, dusty, and nonhazardous environments. Can be used in place of open driproof motors.



Open Driproof
No. 5K116



Totally Enclosed Fan-Cooled
No. GK123



HP	Nameplate RPM	NEMA Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	OPEN DRIPROOF			Item No.	\$ Each	Full Load Amps	Service Factor	Insulation Class	Overall Length	TOTALLY ENCLOSED FAN-COOLED			Item No.	\$ Each
							Insulation Class	Overall Length	Item No.							Insulation Class	Overall Length	Item No.		
1/4	1725	48	Auto	115/208-230	5.2/2.7-2.6	1.35	B	9 1/4"	6K971	✓	237.75	4.5/2.2-2.2	1.0	B	10 1/4"	5K191	✓	242.00		
	1725	56	Auto	115/208-230	5.0/2.3-2.5	1.35	B	10"	3K201	✓	243.25	4.2/2.1-2.1	1.15	B	10 1/4"	5K263	✓	260.50		
	1725	56	None	115/208-230	5.0/2.3-2.5	1.35	B	10"	5UKC5	✓	232.75	4.2/2.1-2.1	1.15	B	10 1/4"	5K262	✓	247.00		
	1140	56	None	115/208-230	6.6/3.1-3.3	1.35	B	12"	5K440	✓	338.50	6.8/3.1-3.4	1.15	B	11 1/4"	5UK5	✓	322.75		
	3450	48	Auto	115/208-230	4.4/2.2-2.2	1.35	B	10 1/4"	5UKC6	✓	226.25	4.4/2.3-2.2	1.0	B	10 1/4"	6K481	✓	223.50		
	3450	48	None	115/208-230	4.4/2.2-2.2	1.35	B	10 1/4"	5UKC7	✓	220.00	4.8/2.6-2.5	1.0	B	10"	5UK6	✓	226.25		
	1725	48	None	115/208-230	6.4/3.0-3.2	1.35	B	9 1/4"	6K241	✓	230.25	6.1/3.0-3.1	1.0	B	11"	5UK7	✓	245.50		
	1725	48	Auto	115/208-230	5.7/2.7-2.9	1.35	B	9 1/4"	6K973	✓	255.25	6.1/3.0-3.1	1.0	B	11"	5K192	✓	267.50		
	1725	56	None	115/208-230	6.4/3.0-3.2	1.35	B	10 1/4"	4K852	✓	269.25	6.0/3.0-3.0	1.15	B	10 1/2"	4K936	✓	262.00		
	1725	56	Auto	115/208-230	5.7/2.7-2.9	1.35	B	10 1/4"	5K115	✓	269.75	7.8/3.9-4.0	1.15	B	11"	5K121	✓	270.00		
	1725	56	Manual	115/208-230	6.4/3.0-3.2	1.35	B	10 1/4"	5K599	✓	272.75	7.8/3.9-3.9	1.15	B	11"	5UK8	✓	278.00		
	1140	56	None	115/208-230	8.0/3.8-4.0	1.35	B	12"	5K118	✓	365.50	7.8/3.6-3.9	1.0	B	12 1/4"	5K502	✓	394.25		
	3450	48	Auto	115/208-230	8.4/3.8-4.2	1.25	B	10 1/8"	4K131	✓	235.00	6.5/3.5-3.4	1.0	B	10 1/4"	6K482	✓	274.75		
	3450	48	None	115/208-230	7.6/3.8-3.9	1.25	B	10 1/8"	5K683	✓	191.50	6.5/3.5-3.4	1.0	B	10 1/8"	5UKF0	✓	196.75		
	3450	48	Manual	115/208-230	7.6/3.8-3.9	1.25	B	10 1/8"	6K361	✓	207.25	6.5/3.5-3.4	1.0	B	11 1/2"	5UK9	✓	212.00		
	3450	56	Auto	115/208-230	8.4/3.8-4.2	1.25	B	10 1/4"	5UKC8	✓	272.75	8.4/4.0-4.2	1.0	B	11 1/4"	5UKF1	✓	279.25		
	3450	56	Manual	115/208-230	7.6/3.8-3.9	1.25	B	10 1/8"	5UKC9	✓	271.75	8.4/4.0-4.2	1.0	B	12 1/8"	6K184	✓	279.75		
	1725	48	Auto	115/208-230	8.6/4.3-4.3	1.25	B	11 1/16"	5K987	✓	315.25	8.0/4.0-4.0	1.0	B	10 1/8"	5K193	✓	334.50		
	1725	48	None	115/208-230	8.6/4.1-4.3	1.25	B	11 1/16"	6K178	✓	311.25	8.0/4.0-4.0	1.0	B	11 1/2"	6K177	✓	340.75		
	1725	56	None	115/208-230	8.8/4.2-4.4	1.25	B	10 7/8"	4K855	✓	276.25	8.0/4.0-4.0	1.15	B	11 1/4"	6K937	✓	278.25		
	1725	56	Auto	115/208-230	8.8/4.2-4.4	1.25	B	9 1/16"	5K116	✓	269.75	8.0/4.0-4.0	1.15	B	11 1/4"	5K122	✓	288.25		
	1725	56	Manual	115/208-230	8.8/4.2-4.4	1.25	B	10 1/16"	5K696	✓	321.00	10.0/4.0-4.0	1.15	B	11 1/4"	6K637	✓	357.75		
	1140	56	None	115/208-230	10.6/5.1-5.3	1.25	B	12"	5K617	✓	524.50	9.6/4.7-4.8	1.0	B	13 3/4"	5K672	✓	560.50		
	3450	48	None	115/208-230	9.6/4.4-4.8	1.25	B	10 5/8"	5K684	✓	254.50	9.4/5.0-4.7	1.0	B	12"	5UK4	✓	267.50		
	3450	48	Auto	115/208-230	8.7/4.5-4.3	1.25	B	10 1/8"	5UKD1	✓	267.50	9.4/5.0-4.7	1.0	B	12"	5UKF3	✓	274.00		
	3450	56	Auto	115/208-230	9.6/4.4-4.8	1.25	B	11"	4K130	✓	294.00	10.6/5.3-5.3	1.0	B	12 1/8"	6K483	✓	291.50		
	3450	56	Manual	115/208-230	9.6/4.4-4.8	1.25	B	11"	5UKD3	✓	297.00	10.6/5.3-5.3	1.0	B	12 1/8"	5UKF5	✓	307.25		
	3450	56	Auto	115/208-230	—	—	—	—	—	—	—	10.6/5.3-5.3	1.0	B	12 1/8"	6K358	✓	300.00		
	1725	56	None	115/208-230	11.0/5.5-5.5	1.25	B	11 1/8"	4K858	✓	325.25	11.0/5.4-5.5	1.15	B	13"	6K938	✓	336.25		
	1725	56	Auto	115/208-230	11.0/5.5-5.5	1.25	B	11 1/8"	5K117	✓	306.75	11.0/5.4-5.5	1.15	B	13"	6K123	✓	388.50		
	1725	56	Manual	115/208-230	13.0/5.8-6.0	1.0	B	10 15/16"	5K460	✓	401.25	11/5.4-5.5	1.15	B	12 1/8"	6K639	✓	423.75		
	1140	56	None	115/208-230	11.6/5.0-5.7	1.25	B	13/8"	6K949	*✓	584.00	10.2/4.9-5.1	1.0	B	14 1/16"	5UKF6	✓	568.00		
	3450	56	Auto	115/208-230	10.6/5.5-5.3	1.25	B	11 1/4"	4K129	✓	335.25	12.4/6.7-6.7	1.0	B	12 1/8"	6K484	✓	339.00		
	3450	56	None	115/208-230	13.6/6.9-6.8	1.25	B	11"	6K232	✓	303.00	11.8/6.3-5.9	1.0	B	12 1/16"	5UKF7	✓	329.50		
	3450	56	Manual	115/208-230	13.6/6.9-6.8	1.25	B	11"	6K385	✓	324.50	12.4/6.7-6.7	1.0	B	12 1/8%"	5K960	✓	329.75		
	1725	56	None	115/208-230	13.4/6.8-6.7	1.25	B	11 1/2"	6K825	✓	415.00	—	—	—	—	—	—	—		
	1725	56	None	115/208-230	13.4/6.8-6.7	1.25	B	11 1/2"	5K921	*✓	330.75	13.4/6.8-6.7	1.15	B	12 1/16"	1K065	✓	442.25		
	1725	56	Auto	115/208-230	12.2/6.0-6.1	1.25	B	11 1/2"	6K148	*✓	371.50	10.0/5.3-5.0	1.15	B	13"	5K562	*✓	401.50		
	1725	56	Manual	115/208-230	12.2/6.0-6.1	1.25	B	11 1/2"	6K699	*✓	422.00	13.4/6.8-6.7	1.15	B	12 1/8%"	6K640	✓	438.00		
	1725	56	None	115/208-230	13.4/6.8-6.7	1.25	B	11 1/2"	6K271	✓	491.75	13.4/6.8-6.7	1.15	B	12 1/8%"	6K407	✓	545.00		
	1725	56	Manual	115/208-230	13.4/6.8-6.7	1.25	B	11 1/2"	6K424	✓	517.50	13.4/6.8-6.7	1.15	B	12 1/8%"	6K418	✓	566.00		
	1725	56	None	115/208-230	13.4/6.8-6.7	1.25	B	11 1/2"	5UKD4	✓	458.00	14.4/7.2-7.2	1.15	B	12 1/8%"	5UKF8	✓	493.75		
	1725	56	None	115/208-230	—	—	—	—	—	—	—	13.4/6.8-6.7	1.15	B	12 1/8%"	6K827	✓	418.75		
	1725	182	None	115/230	14.0/7.0	1.25	F	12 1/16"	5K480	✓	567.50	14.0/7.0	1.0	F	13"	5K485	✓	617.00		
	3450	56H	Manual	115/208-230	18.8/9.7-9.4	1.15	B	11"	5UKD6	✓	409.75	14.5/8.0-7.4	1.0	B	13 1/16"	6K338	*✓	401.75		
	3450	56H	Auto	115/208-230	18.8/9.7-9.4	1.15	B	11"	5UKD7	✓	413.50	14.2/7.7-7.1	1.0	B	12 1/8%"	6XJ53	*✓	427.25		
	3450	56H	None	115/208-230	18.8/9.7-9.4	1.15	B	11"	5UKD8	✓	403.25	14.5/8.0-7.4	1.0	B	13 1/16"	5UKF9	*✓	410.75		
	3450	143T	None	115/208-230	18.8/9.7-9.4	1.15	B	11"	6K630	✓	418.50	14.2/7.7-7.1	1.0	B	12 1/8%"	3K300	*✓	465.50		
	1725	56H	None	115/208-230	18.0/9.5-9.0	1.15	B	12 1/2"	5K923	*✓	370.50	15.2/8.2-7.6	1.15	B	13 1/4%"	1K066	✓	506.00		
	1725	56H	Auto	115/208-230	18.0/9.3-9.0	1.15	B	12 1/2"	6K305	✓	434.75	15.6/8.4-7.8	1.15	B	13 1/4%"	5UK565	*✓	533.50		
	1725	56H	Manual	115/208-230	18.0/9.2-9.6	1.15	B	12 1/2"	6K272	✓	539.50	15.2/8.2-7.6	1.15	B	13 1/4%"	6K419	✓	513.50		
	1725	56H	None	115/208-230	18.0/9.3-9.0	1.15	B	12 1/2"	6K422	✓	576.00	15.2/8.2-7.6	1.15	B	13 1/4%"	6K420	✓	682.50		
	1725	56H	Auto	115/208-230	21.2/10.5-10.6	1.15	B	12 1/2"	5UKE0	✓	567.00	14.0/7.5-7.0	1.15	B	13 1/4%"	5UKG0	✓	651.50		
	1725	145T	None	115/208-230	18.0/4.3-4.0	1.15	B	12 1/2"	6K826	*✓	399.25	15.2/8.2-7.6	1.15	B	13 1/4%"	6K828	*✓	491.75		
	1725	182T	None	115/230	19.0/9.5	1.20	F	12 1/4"	5K481	✓	651.00	19.0/9.5	1.0	F	13 1/2%"	5K486	✓	724.00		
	3450	56H	Manual	115/208-230	19.2/10.5-9.6	1.15	B	11 1/2"	6K652	*✓	530.00	18.0/10.0-9.0	1.0	B	13 1/4%"	5UKG1	*✓	466.50		
	3450	56H	Auto	115/208-23																



ODP, Face-Mount

TEFC, Face/
Base-Mount

No. 1K132

Capacitor-Start Open and Totally Enclosed Face-Mount Motors

Dayton

marathon™
Motors

- Max. ambient: 40°C
- Rotation: CW/CCW

Open dripproof motors are for use in clean, dry, and nonhazardous applications including speed reducers, pumps, blowers, conveyors, and other equipment that mounts directly to a NEMA C-face motor. Totally enclosed motors are also suitable for dusty, dirty, and nonhazardous environments. All motors are UL Recognized and CSA Certified.

HP	Nameplate RPM	NEMA/IEC Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Bearings	Insulation Class	Foot-notes	Brand	Item No.	\$ Each
Open Dripproof, Face-Mount												
1/4	1730	56C	None	115/208-230	5.5/3.0-2.75	1.35	Ball	B	—	Dayton	6K974	✓ 243.75
1/4	1725	56C	Auto	115/208-230	5.0/2.3-2.5	1.35	Ball	B	—	Dayton	6XJ21	✓ 222.50
1/3	1730	56C	None	115/208-230	6.4/3.6-3.2	1.35	Ball	B	—	Dayton	5K339	✓ 244.75
1/3	1725	56C	Auto	115/208-230	6.4/3.0-3.2	1.35	Ball	B	—	Dayton	6K005	✓ 298.00
1/2	1725	56C	None	115/208-230	7.9/4.2-3.95	1.25	Ball	B	—	Dayton	5K340	✓ 274.50
1/2	1725	56C	Auto	115/208-230	8.6/4.3-4.3	1.25	Ball	B	—	Dayton	6XJ20	✓ 278.25
3/4	1740	56C	None	115/208-230	10.0/5.3-5.0	1.25	Ball	B	24	Dayton	5K435	✓ 337.00
3/4	1725	56C	Auto	115/208-230	12.0/5.8-6.0	1.25	Ball	B	—	Dayton	6XJ27	✓ 357.25
1	1725	56C	None	115/208-230	12.2/6.0-6.1	1.15	Ball	B	—	Dayton	5K673	✓ 417.25
1	1725	56C	Auto	115/208-230	13.4/6.8-6.7	1.15	Ball	B	—	Dayton	6XJ29	✓ 408.75
1 1/2	1740	56C	None	115/208-230	13.5/7.3-6.8	1.15	Ball	B	—	Dayton	1K073	✓ 510.50
2	1725	56C	None	115/208-230	21.0/11.3-10.5	1.15	Ball	B	24	Dayton	1K074	✓ 626.00
Open Dripproof, Face/Base-Mount												
1/3	1735	56C	None	115/208-230	5.0/2.8-2.55	1.35	Ball	B	—	Dayton	5K109	✓ 320.00
1/2	1735	56C	None	115/208-230	7.2/4.0-3.6	1.25	Ball	B	—	Dayton	5K110	✓ 364.25
3/4	1725	56C	None	115/208-230	11.0/5.5-5.5	1.25	Ball	B	24	Dayton	1K084	✓ 409.00
Open Dripproof, Face/Removable Base-Mount												
1	1730	145TC	None	115/208-230	13.4/6.8-6.7	1.15	Ball	B	51	Dayton	4K811	✓ 478.75
1 1/2	1725	145TC	None	115/208-230	18.0/9.3-9.0	1.15	Ball	B	51	Dayton	4K812	✓ 593.00
3	1740	184TC	None	115/230	33.8/16.9	1.15	Ball	F	51	Dayton	4K815	✓ 886.50
Totally Enclosed Fan-Cooled, Face-Mount												
1/2	1725	42CZ	None	115/230	4.2/2.1	1.15	Ball	B	27,51	Dayton	1K057	✓ 269.75
1/6	1725	56C	None	115/208-230	3.8/1.8-1.9	1.15	Ball	B	44,51	Dayton	5GD53	✓ 282.75
1140	56C	None	115/208-230	3.8/1.8-1.9	1.15	Ball	B	51	Dayton	5GD54	✓ 420.00	
1/4	1725	56C	None	115/208-230	5.1/2.7-2.4	1.15	Ball	B	27,51	Dayton	1K058	✓ 283.00
1150	56C	None	115/208-230	5.6/3.1-2.8	1.0	Ball	B	51	Dayton	6XJ44	✓ 368.75	
3450	56C	Auto	115/208-230	4.8/2.6-2.5	1.0	Ball	B	44,51	Dayton	6K181	✓ 230.00	
1/3	1725	42CZ	None	115/230	6.2/3.3-3.1	1.0	Ball	B	27,51	Dayton	1K059	✓ 311.25
1725	56C	None	115/208-230	7.9/84.1-3.94	1.15	Ball	B	51	Dayton	5K341	✓ 257.00	
3450	56C	Auto	115/230	7.4/3.7	1.15	Ball	B	—	Marathon	2K376	✓ 289.75	
3450	56C	Auto	115/208-230	8.4/4.0-4.2	1.0	Ball	B	51	Dayton	6K182	✓ 257.50	
1/2	1725	56C	Auto	115/208-230	8.0/4.0-4.0	1.15	Ball	B	51	Dayton	5GD57	✓ 315.50
1725	56C	None	115/208-230	8.1/4.2-4.1	1.15	Ball	B	51	Dayton	6K342	✓ 297.25	
1725	56C	Auto	115/230	8.6/4.3	1.15	Ball	B	—	Marathon	2K381	✓ 327.25	
1140	56C	None	115/208-230	9.6/4.7-4.8	1.0	Ball	B	24,51	Dayton	5GD58	✓ 479.25	
3450	56C	Auto	115/230	9.8/4.9	1.0	Ball	B	—	Marathon	2K388	✓ 338.00	
3450	56C	Auto	115/208-230	10.6/5.3-5.3	1.0	Ball	B	51	Dayton	6K831	✓ 302.00	
3/4	1745	56C	None	115/208-230	11.8/5.9-5.55	1.15	Ball	B	51	Dayton	6K436	✓ 335.75
1725	56C	Auto	115/208-230	11.0/5.4-5.5	1.15	Ball	B	51	Dayton	5GD60	✓ 377.75	
3450	56C	Auto	115/208-230	11.8/6.3-5.9	1.0	Ball	B	51	Dayton	6K197	✓ 322.50	
1	3450	56C	Auto	115/230	13.0/6.5	1.15	Ball	B	—	Marathon	2K377	✓ 342.00
1750	56C	None	115/230	9.1/4.9-4.5	1.15	Ball	B	51	Dayton	6K674	✓ 402.75	
3450	56C	Auto	115/208-230	14.2/7.7-7.1	1.0	Ball	B	24,51	Dayton	6K832	✓ 468.50	
1 1/2	3450	56C	Auto	115/230	16.4/8.2	1.0	Ball	B	—	Marathon	2K389	✓ 453.00
1725	56C	None	115/208-230	15.2/8.2-7.6	1.15	Ball	B	24,51	Dayton	6K702	✓ 512.00	
3450	56C	Auto	115/230	17.8/8.9	1.0	Ball	B	—	Marathon	2K383	✓ 554.00	
2	3450	56C	None	115/208-230	18.0/10.0-9.0	1.15	Ball	B	24,51	Dayton	5GD67	✓ 599.00
3450	143TC	None	115/208-230	18.0/10.0-9.0	1.0	Ball	B	24,51	Dayton	5GD68	✓ 675.50	
1730	56C	None	115/208-230	16.3/8.9-8.4	1.0	Ball	B	24,51	Dayton	1K075	✓ 789.00	
Totally Enclosed Fan-Cooled, Face/Base-Mount												
1/3	3450	56C	Auto	115/208-230	7.0/3.2-3.5	1.0	Ball	B	51	Dayton	1K076	✓ 263.25
3450	56C	Auto	115/208-230	8.4/4.0-4.2	1.0	Ball	B	51	Dayton	1K078	✓ 303.00	
1/2	1755	56C	None	115/208-230	6.8/3.8-3.5	1.25	Ball	B	51	Dayton	1K079	✓ 362.75
3/4	3450	56C	Auto	115/208-230	10.6/5.3-5.3	1.0	Ball	B	51	Dayton	1K080	✓ 335.75
1745	56C	None	115/208-230	10.0/5.4-5.1	1.15	Ball	B	51	Dayton	1K081	✓ 434.00	
3460	56C	None	115/208-230	11.7/6.3-5.8	1.0	Ball	B	51	Dayton	3K348	✓ 357.50	
1	3450	56C	Auto	115/230	13.0/6.5	1.0	Ball	B	—	Marathon	2K380	✓ 381.50
1725	56HC	None	115/208-230	10.0/5.3-5.0	1.15	Ball	B	51	Dayton	6K045	✓ 422.25	
Totally Enclosed Fan-Cooled, Face/Removable Base-Mount												
1/3	1725	56C	None	115/208-230	6.0/3.0-3.0	1.0	Ball	B	51	Dayton	1K077	✓ 314.00
1/2	1725	56HC	None	115/208-230	15.2/8.2-7.6	1.0	Ball	B	24,51	Dayton	1K082	✓ 601.50
<i>Footnotes: 24—Capacitor-start, capacitor-run. 27—42CZ frame has 1/2" x 1 1/8" shaft with key. 44—Totally enclosed nonventilated. 51—Supplied with conduit box.</i>												

Capacitor-Start, Capacitor-Run and Totally Enclosed Face-Mount Motors

marathon™
Motors

- Max. ambient: 40°C
- Rotation: CW/CCW
- Insulation: Class B

Use in applications including speed reducers, pumps, blowers, conveyors, and other equipment that mounts directly to a NEMA C-face motor. Totally enclosed motors are suitable for dusty, dirty, and nonhazardous environments. All are UL Recognized and CSA Certified.

HP	Nameplate RPM	NEMA Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Bearings	Mfr. Stock No.	Item No.	\$ Each
Face-Mount										
1/3	1725/1425	56C	None	100-120/200-240	4.0-3.8/2.0-1.9	1.35	Ball	E256	1K125	✓ 366.00
1/2	1725/1425	56C	None	100-120/200-240	5.8-5.6/2.9-2.8	1.25	Ball	E265	1K128	✓ 417.50
1	1725/1425	56C	None	100-120/200-240	11.8-11.4/5.9-5.7	1.15	Ball	EG283	1K134	✓ 548.00
Face/Base-Mount										
1/3	1725/1425	56C	Manual	100-120/200-240	4.0-3.8/2.0-1.9	1.35	Ball	E255	1K124	✓ 383.00
1/2	1725/1425	56C	Auto	100-120/200-240	4.0-3.8/2.0-1.9	1.35	Ball	E257	1K126	✓ 379.75
1/2	1725/1425	56C	Auto	100-120/200-240	5.8-5.6/2.9-2.8	1.25	Ball	E266	1K129	✓ 430.00
9/4	1725/1425	56C	Auto	100-120/200-240	9.0-8.8/4.5-4.4	1.25	Ball	E275	1K132	✓ 489.00
1	1725/1425	56C	Manual	100-120/200-240	11.8-11.4/5.9-5.7	1.15	Ball	E282	1K133	✓ 566.00
1	1725/1425	56C	Auto	100-120/200-240	11.8-11.4/5.9-5.7	1.15	Ball	E284	1K135	✓ 563.00

For assistance with motor selection, see pages 3 to 7.



HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Insulation Class	Overall Length	Foot-notes	Item No.	\$ Each
Open Driproof											
1/4	1725	48	208-230/460	1.2-1.3/0.65	1.35	62.0%	B	9 5/16"	10	6XH87 ✓	224.50
	1725	56	208-230/460	1.2-1.3/0.65	1.35	62.0%	B	9 3/4"	10,23	2N101 ✓	274.00
	1140	56	208-230/460	1.3-1.5/0.75	1.35	64.0%	B	10 1/4"	10,23	2N102 ✓	406.00
	3450	48	208-230/460	1.4-1.4/0.7	1.35	68.0%	B	8 5/8"	5,10	3N851 ✓	238.75
1/3	1725	48	208-230/460	1.5-1.6/0.8	1.35	68.66%	B	9 9/16"	10	6XH88 ✓	230.25
	1725	56	208-230/460	1.7-2.0/1.0	1.35	65.6%	B	10"	10,23	2N102 ✓	242.75
	1140	56	208-260/460	1.9-2.2/1.1	1.35	62.0%	B	9 15/16"	10,23	2N879 ✓	421.50
	3450	48	208-230/460	1.7-1.8/0.9	1.25	69.0%	B	8 7/8"	5,10	3N852 ✓	253.00
1/2	1725	56	208-230/460	1.9-2.2/1.1	1.25	66.0%	B	10 1/16"	10,23	3N590 ✓	281.75
	1725	56	208-230/460	1.9-1.9/0.9	1.25	62.7%	B	10"	10,23	2N103 ✓	263.00
	1140	56	208-230/460	2.9-2.7/1.35	1.25	68.0%	B	10 7/16"	5,12	3N641 ✓	344.00
	1725	56	208-230/460	2.8-2.8/1.4	1.25	76.3%	B	10 3/8"	5,10	3N042 ✓	291.00
	1140	56H	208-230/460	3.2-3.2/1.68	1.25	74.0%	B	11"	5,12	3N642 ✓	375.50
	3450	56	208-230/460	3.3-3.3/1.6	1.25	78.0%	B	10 3/8"	10,23	3N178 ✓	365.50
	1760	143-5T/56HZ	208-230/460	3.2-3.2/1.6	1.25	85.5%	F	12 1/8"	5,10	2NKK3 ✓	399.00
	1755	182/184	208-230/460	3.6-3.3/1.6	1.15	82.5%	F	13 1/8"	10,15,23	2N980 ✓	490.25
1	1735	56H	208-230/460	3.2-2.9/1.4	1.15	82.5%	F	11"	10,15,23	6VPE4 ✓	321.50
	1725	56	208-230/460	3.6-3.8/1.9	1.25	78.4%	B	10 9/16"	10,23	3N012 ✓	316.25
	1725	56	208-230/460	3.4-3.4/1.7	1.15	76.5%	B	11 1/16"	5,12	3N643 ✓	396.50
	1170	143-5T/56HZ	208-230/460	3.8-3.8/1.9	1.25	82.5%	F	12 5/8"	5,10	3N043 ✓	359.25
	1170	182/184	208-230/460	4.7-4.3/2.1	1.15	80.0%	F	13 1/8"	10,15,23	2N988 ✓	490.50
	3490	143-5T/56HZ	208-230/460	4.4-4.0/2.0	1.25	85.5%	F	12 1/8"	5,10	2NKK4 ✓	402.75
	3475	182/184	208-230/460	4.4-4.0/2.0	1.15	82.5%	F	13 1/8"	10,15,23	2N995 ✓	542.50
	3465	56H	208-230/460	4.5-4.1/2.1	1.15	82.5%	F	11"	10,15,23	6VPE5 ✓	355.25
	3450	56	208-230/460	4.6-4.3/2.2	1.15	75.5%	B	10 9/16"	10,23	3N592 ✓	442.50
1 1/2	1755	182/184	208-230/460	5.2-4.7/2.4	1.15	84.0%	F	13 1/8"	10,15,23	2N981 ✓	512.00
	1750	143-5T/56HZ	208-230/460	4.6-4.8/2.4	1.25	86.5%	F	13 1/8"	5,10	2NKK7 ✓	415.50
	1735	56H	208-230/460	4.4-4.0/2.0	1.15	84.0%	F	12"	10,15,23	6VPE6 ✓	310.00
	1725	56H	208-230/460	5.0-4.8/2.4	1.15	80.5%	B	12"	5,10	3N013 ✓	366.50
	1725	56H	208-230/460	4.6-4.8/2.4	1.15	80.0%	B	10 15/16"	5,12	3N644 ✓	465.50
	1170	182T/184T	208-230/460	6.4-6.0/3.0	1.15	86.5%	F	14 1/8"	15,16,25	4GYZ9 ✓	482.00
	1170	182/184	208-230/460	6.7-6.1/3.0	1.15	84.0%	F	13 1/8"	10,15,23	2N989 ✓	557.00
	3490	143-5T/56HZ	208-230/460	5.2-4.8/2.4	1.25	85.5%	F	12 1/8"	5,10	2NKK9 ✓	457.00
	3475	182/184	208-230/460	5.7-5.2/2.6	1.15	84.0%	F	13 1/8"	10,15,23	2N996 ✓	630.50
	3450	56H	208-230/460	5.9-5.3/2.7	1.15	84.0%	F	12"	10,15,23	6VPE7 ✓	394.00
2	1750	182/184	208-230/460	5.5-5.4/2.7	1.15	81.9%	B	12 1/8"	5,10	10C898 ✓	441.25
	1745	143-5T/56HZ	208-230/460	6.0-5.8/2.9	1.25	86.5%	F	13 1/8"	10,15,23	2N982 ✓	538.00
	1725	56H	208-230/460	6.2-5.8/2.9	1.15	84.0%	F	12 1/8"	5,10	3N645 ✓	474.25
	1725	56H	208-230/460	6.6-6.6/3.3	1.15	81.5%	B	12 1/8"	5,10	3N693 ✓	384.00
	1170	213/215	208-230/460	6.8-6.2/3.1	1.15	85.5%	F	16 1/8"	10,15,23	2N990 ✓	598.50
	1165	182T/184T	208-230/460	8.1-7.5/3.8	1.15	87.5%	F	14 1/8"	15,16,25	4GZA1 ✓	526.50
	3490	143-5T/56HZ	208-230/460	8.0-7.2/3.6	1.25	88.0%	F	12 1/8"	5,10	2NKKY6 ✓	524.00
	3445	182/184	208-230/460	8.4-7.6/3.8	1.15	84.0%	F	13 1/8"	10,15,23	2N997 ✓	684.50
	1770	182/184T	208-230/460	8.4-8.0/4.0	1.25	89.5%	F	13 1/8"	5,10	2NKKY8 ✓	596.00
3	1750	143-5T/56HZ	208-230/460	8.2-7.6/3.8	1.15	89.5%	F	16 1/8"	2,10,15	4ID773 ✓	569.50
	1740	213/215	208-220/440	8.7-7.9/3.9	1.15	86.5%	F	16 1/8"	10,15,23	2N983 ✓	678.50
	1735	56H	208-230/460	8.9-8.1/4.0	1.15	86.5%	F	12"	10,15,23	6VPE8 ✓	446.50
	1175	213T/215T	208-230/460	10.2-9.2/4.6	1.15	88.5%	F	18"	10,15,23	4GZA2 ✓	750.00
	1170	213/215	208-220/440	10.1-9.1/4.6	1.15	86.5%	F	16 1/8"	10,15,23	2N991 ✓	775.50
	3490	213/215	208-220/440	15.8-14.3/7.2	1.15	85.5%	F	16 1/8"	10,15,23	2N998 ✓	835.50
	3465	182T/184T	208-230/460	13.4-12.6/2.1	1.15	87.5%	F	14 1/8"	16,25	4GZ43 ✓	514.50
5	1750	182T/184T	208-230/460	15.0-13.6/6.8	1.15	89.5%	F	14 1/8"	16,25	4GZ44 ✓	533.00
	1740	213/215	208-220/440	14.1-12.7/6.4	1.15	87.5%	F	16 1/8"	10,15,23	2N984 ✓	827.50
	1165	213T/215T	208-230/460	15.8-14.3/7.2	1.15	89.5%	F	18"	15,16,25	4GZ45 ✓	809.00
	1165	254U/256U	208-220/440	15.0-13.5/6.8	1.15	87.5%	F	21 1/8"	10,15,23	2N992 ✓	1,032.00
	3500	213/215	208-220/440	21.9-19.8/9.9	1.15	88.5%	F	16 1/8"	10,15,23	2N999 ✓	914.00
	3460	182T/184T	208-230/460	19.5-17.6/8.8	1.15	88.5%	F	14 1/8"	16,25	4GZ46 ✓	655.50
7 1/2	1770	254U/256U	208-220/440	20.8-18.8/9.4	1.15	88.5%	F	21 1/8"	10,15,23	2N985 ✓	1,260.00
	1755	213T/215T	208-230/460	21.1-19.1/9.5	1.15	91.0%	F	18"	16,25	4GZ47A ✓	723.00
	1170	254T/256T	208-230/460	22.4-20.2/10.1	1.15	90.2%	F	22 1/8"	15,16,25	4GZ48 ✓	1,390.00
	3540	254U/256U	208-220/440	25.9-23.4/11.7	1.15	89.5%	F	21 1/8"	10,15,23	3N003 ✓	1,045.00
	3505	213T/215T	208-230/460	26.8-24.3/12.1	1.15	90.2%	F	18"	16,25	4GZ49 ✓	870.50
	1770	254U/256U	208-220/440	27.2-25.7/12.9	1.15	89.5%	F	21 1/8"	10,15,23	2N986 ✓	1,547.00
	1755	213T/215T	208-230/460	26.9-24.3/12.2	1.15	91.7%	F	18"	16,25	4GZC1 ✓	871.00
	1165	254T/256T	208-230/460	28.4-25.7/12.8	1.15	91.7%	F	22 1/8"	15,16,25	4GZC2 ✓	1,486.00
	3500	213T/215T	208-230/460	39.3-35.5/17.7	1.15	91.0%	F	18"	16,25	4GZC3 ✓	1,087.00
15	1770	254T/256T	208-230/460	40.2-36.4/18.2	1.15	93.0%	F	22 1/8"	16,25	4GZC4 ✓	1,256.00
	1175	284T/286T	208-230/460	42.3-38.3/19.1	1.15	91.7%	F	25 1/8"	15,16,25	4GZC5 ✓	1,778.00
	3525	254T/256T	208-230/460	50.2-45.4/22.7	1.15	91.7%	F	22 1/8"	16,25	4GZC6 ✓	1,280.00
20	1770	254T/256T	208-230/460	53.7-48.5/24.3	1.15	93.0%	F	22 1/8"	16,25	4GZC7 ✓	1,384.00
	1175	284T/286T	208-230/460	54.6-49.4/24.7	1.15	93.0%	F	25 1/8"	15,16,25	4GZC8 ✓	1,990.00
	3530	254T/256T	208-230/460	62.0-56.1/28.1	1.15	91.7%	F	22 1/8"	16,25	4GZC9 ✓	1,590.00
25	1765	284T/286T	208-230/460	65.1-58.8/29.4	1.15	93.6%	F	25 1/8"	16,25	4GZD1 ✓	1,701.00
	1180	324T	208-230/460	67.1-60.6/30.3	1.15	93.0%	F	28 1/8"	14,16,25	4GZD2 ✓	2,506.00
	3540	284TS/286TS	208-230/460	74.7-67.6/33.8	1.15	92.4%	F	24"	16,25	4GZD3 ✓	1,733.00
30	1770	284T/286T	208-230/460	76.8-69.4/34.7	1.15	94.1%	F	25 1/8"	16,25	4GZD4 ✓	2,003.00
	1180	326T	208-230/460	79.5-71.9/35.9	1.15	93.6%	F	26 1/8"	14,16,25	4GZD5 ✓	2,723.00
	3535	284TS/286TS	208-230/460	99.0-89.6/44.8	1.15	92.4%	F	24"	16,25	4GZD6 ✓	2,351.00
40	1770	324T	208-230/460	102.0-92.6/46.3	1.15	94.1%	F	28 1/8"	16,25	4GZD7 ✓	2,739.00
	1180	364T	208-230/460	101.0-91.5/45.7	1.15	94.1%	F	29"	14,16,25	4GZD8 ✓	3,625.00
	3555	324TS	208-230/460	129.0-117.0/58.5	1.15	93.0%	F	25 1/8"	16,25	4GZD9 ✓	2,765.00
50	1775	326T	208-230/460	129.0-117.0/58.3	1.15	94.5%	F	26 1/8"	16,25	4GZE1 ✓	3,021.00
	1180	365T	208-230/460	128.0-116.0/58.0	1.15	94.1%	F	29 1/8"	14,16,25	4GZE2 ✓	4,143.00

Footnotes: 2—50 Hz operation on 190/380V at rated HP and % of 60 Hz rpm. 3—50 Hz operation on rated voltage or 190/380V at rated HP and % of 60 Hz rpm at 1.0 SF. 5—50 Hz operation on 190/380V at % of 60 Hz HP and rpm at 1.0 SF. 10—Inverter-duty, meets NEMA MG 1 Part 31; 10:1 variable and 2:1 constant torque. 12—Inverter-duty, meets NEMA MG 1 Part 31; 10:1 variable and 4:1 constant torque. 14—Part winding start capable. 15—Usable on 200V at 1.0 SF. 16—Inverter-duty, meets NEMA MG1 Part 30; 20:1 variable and 10:1 constant torque.

3-Phase Premium and Energy-Efficient Open Driproof Motors

MOTORS

3-Phase General Purpose Motors

Steel Frame



Dayton



Cast-Iron Frame

3-Phase Premium and Energy-Efficient TENV and TEFC Motors

- Mounting: rigid base
- Bearings: ball
- Thermal protection: none
- Insulation Class F motors have Class B temperature rise for longer life
- Inverter rated; see table footnotes for details
- Max. ambient: 40°C
- Rotation: CW/CCW
- Warranty: 48, 56, and 143-T/56HZ frame 1 yr.; 140T frame and above 3 yr.

143-T/56HZ frame motors have $\frac{7}{8}$ " x $2\frac{1}{4}$ " shaft and mounting base holes/slots to match 56, 56H, 143T, and 145T frame motors. Not for cooling tower applications. Suitable for dusty, dirty, nonhazardous applications with pumps, ventilation equipment, machine tools, and other industrial equipment. All models are UL Recognized and CSA Certified.

HP	Nameplate RPM	NEMA Frame	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Frame Material	Insulation Class	Overall Length	Foot-notes	Item No.	\$ Each
Totally Enclosed Nonventilated												
1/4	1725	48	208-230/460	0.9-1.0/0.50	1.0	68.9%	Steel Frame	B	$9\frac{1}{16}$ "	5,10	3N349 ✓	270.00
	1725	56	208-230/460	1.2-1.3/0.65	1.0	62.0%	Steel Frame	B	10"	5,10	2N863 ✓	256.75
	3450	48	208-230/460	1.2-1.3/0.70	1.15	70.3%	Steel Frame	B	$9\frac{1}{16}$ "	5,10	3N854 ✓	255.75
1/3	1725	48	208-230/460	1.3-1.3/0.70	1.0	68.9%	Steel Frame	B	$9\frac{1}{16}$ "	5,10	3N350 ✓	301.25
	1725	56	208-230/460	1.4-1.4/0.70	1.0	75.1%	Steel Frame	B	$9\frac{3}{4}$ "	5,12	3N694 ✓	336.00
1/2	1725	56	208-230/460	2.9-2.9/1.45	1.0	80.0%	Steel Frame	B	$10\frac{3}{8}$ "	5,12	3N695 ✓	390.00
3/4	1725	56	208-230/460	2.4-2.4/1.2	1.15	89.8%	Steel Frame	B	$11\frac{1}{16}$ "	5,12	3N696 ✓	420.75
1	1725	56H	208-230/460	3.4-3.4/1.7	1.0	80.3%	Steel Frame	B	$12\frac{11}{16}$ "	5,12	3N697 ✓	430.25
Totally Enclosed Fan-Cooled												
1/3	1725	56	208-230/460	1.6-1.8/9	1.0	65.5%	Steel Frame	B	$10\frac{1}{16}$ "	5,10	2N864 ✓	279.00
	1140	56	208-220/440	1.5-1.5/0.75	1.0	72.5%	Steel Frame	B	$12\frac{9}{16}$ "	5,10	2N925 ✓	464.50
	3450	48	208-230/460	1.8-1.8/0.9	1	71.0%	Steel Frame	B	$11\frac{1}{16}$ "	5,10	10C901 ✓	261.75
1/2	3450	56	208-230/460	1.8-1.9/0.95	1.0	70.5%	Steel Frame	B	$11\frac{13}{16}$ "	5,10	3N442 ✓	323.75
	1725	48	208-230/460	2.2-2.3/1.15	1	67.3%	Steel Frame	B	$12\frac{9}{16}$ "	5,10	10C897 ✓	320.50
	1725	56	208-230/460	2.0-2.0/1.0	1.15	74.3%	Steel Frame	B	11"	5,10	2N865 ✓	297.25
	1140	56	208-230/460	2.0-2.0/1.0	1.0	68.0%	Steel Frame	B	$11\frac{13}{16}$ "	5,10	2N926 ✓	490.50
	3450	56	208-230/460	2.5-2.4/1.2	1.0	72.1%	Steel Frame	B	$11\frac{13}{16}$ "	5,10	3N443 ✓	344.00
3/4	1725	48	208-230/460	2.8-2.8/1.4	1	73.6%	Steel Frame	B	$12\frac{7}{8}$ "	5,10	10C899 ✓	352.00
	1725	56	208-230/460	2.8-2.9/1.45	1.0	74.0%	Steel Frame	B	$11\frac{3}{4}$ "	5,10	2N866 ✓	321.50
	1140	56H	208-220/440	3.2-3.2/1.6	1.0	76.3%	Steel Frame	B	$13\frac{1}{16}$ "	5,10	3N427 ✓	473.00
	3450	143T	208-230/460	3.0-2.7/1.4	1.15	82.5%	Cast-Iron Frame	F	$12\frac{5}{16}$ "	15,16,23	2MXT3 ✓	446.00
	1760	182	208-220/440	3.8-3.4/1.7	1.15	82.5%	Steel Frame	F	$15\frac{1}{4}$ "	10,15,23	2N933 ✓	570.50
	1755	143-T/56HZ	208-230/460	3.2-3.2/1.6	1.25	85.5%	Steel Frame	F	$12\frac{9}{16}$ "	5,10	2NKK4 ✓	444.50
1	1725	56H	208-230/460	3.8-3.7/1.9	1.15	75.7%	Steel Frame	B	$13\frac{1}{16}$ "	5,10	3N017 ✓	348.25
	1725	143T	208-230/460	3.3-3.0/1.5	1.15	85.5%	Cast-Iron Frame	F	$12\frac{5}{16}$ "	15,16,23	2MXT4 ✓	460.00
	1165	184	208-220/440	4.3-3.9/1.9	1.15	80.0%	Steel Frame	F	$15\frac{1}{4}$ "	10,15,23	2N941 ✓	619.00
	1155	143-T/56HZ	208-230/460	3.8-3.8/1.9	1.25	82.5%	Steel Frame	F	$12\frac{3}{4}$ "	5,10	2NKK6 ✓	576.00
	1150	145T	208-230/460	3.8-3.5/1.7	1.15	82.5%	Cast-Iron Frame	F	$13\frac{5}{16}$ "	15,16,23	2MXT5 ✓	618.00
	1140	56H	208-230/460	3.8-4.0/2.0	1.15	77.0%	Steel Frame	B	$12\frac{19}{16}$ "	5,10	3GK39 ✓	475.50
	3505	143-T/56HZ	208-230/460	4.4-4.0/2.0	1.25	84.0%	Steel Frame	F	$13"$	5,10	2NKY5 ✓	475.75
	3455	182	208-220/440	4.3-3.9/1.9	1.15	82.5%	Steel Frame	F	$15\frac{1}{4}$ "	10,15,23	2N946 ✓	597.00
	3450	56H	208-230/460	4.6-4.6/2.3	1.15	80.0%	Steel Frame	B	$11\frac{9}{16}$ "	5,10	3N444 ✓	457.75
	3450	143T	208-230/460	4.4-4.0/2.0	1.15	82.5%	Cast-Iron Frame	F	$12\frac{5}{16}$ "	15,16,23	2MXT6 ✓	493.75
	3440	56H	208-230/460	4.6-4.2/2.1	1.15	82.5%	Steel Frame	F	$13\frac{13}{16}$ "	10,15,23	6VPE9 ✓	367.75
	1760	184	208-220/440	5.4-4.9/2.5	1.15	84.0%	Steel Frame	F	$15\frac{1}{4}$ "	10,23	2N934 ✓	618.00
1 1/2	1755	143-T/56HZ	208-230/460	4.6-4.8/2.4	1.25	86.5%	Steel Frame	F	$12\frac{9}{16}$ "	5,10	2NKK8 ✓	460.75
	1730	56H	208-230/460	4.5-4.1/2.0	1.15	84.0%	Steel Frame	F	$13\frac{13}{16}$ "	10,15,23	6VPF0 ✓	412.00
	1725	56H	208-230/460	4.5-4.4/2.2	1.0	80.8%	Steel Frame	B	$13\frac{1}{16}$ "	5,10	3N018 ✓	375.50
	1725	56H	208-230/460	4.8-4.8/2.4	1.0	79.4%	Steel Frame	B	$12\frac{9}{16}$ "	5,12	3N698 ✓	468.25
	1725	145T	208-230/460	4.0-4.16/2.08	1.15	86.5%	Cast-Iron Frame	F	$13\frac{1}{16}$ "	15,16,23	2MXT7 ✓	487.00
	1170	182T	208-230/460	6.2-5.8/2.9	1.15	87.5%	Steel Frame	F	$16\frac{1}{16}$ "	10,23	4GY7 ✓	593.50
	1170	184	208-220/440	6.1-5.5/2.7	1.15	85.5%	Steel Frame	F	$15\frac{1}{4}$ "	10,23	2N942 ✓	661.00
	1150	182T	208-230/460	5.6-5.1/2.5	1.15	87.5%	Cast-Iron Frame	F	$14\frac{11}{16}$ "	15,16,23	2MXT8 ✓	641.00
	3505	143-T/56HZ	208-230/460	5.2-4.8/2.4	1.25	85.5%	Steel Frame	F	$12\frac{9}{16}$ "	5,10	2NKY3 ✓	509.00
	3465	184	208-220/440	5.6-5.1/2.5	1.15	84.0%	Steel Frame	F	$15\frac{1}{4}$ "	10,15,23	2N947 ✓	668.50
	3450	56H	208-220/440	5.6-5.2/2.6	1.15	84.0%	Steel Frame	B	$13\frac{5}{16}$ "	5,10	3N445 ✓	504.00
	3450	145T	208-230/460	5.5-5.0/2.5	1.15	86.5%	Cast-Iron Frame	F	$13\frac{1}{16}$ "	15,16,23	2MXT9 ✓	528.50
	1755	184	208-220/440	6.8-6.1/3.1	1.15	84.0%	Steel Frame	F	$15\frac{1}{4}$ "	10,15,23	2N935 ✓	653.50
2	1750	143-T/56HZ	208-230/460	6.0-5.8/2.9	1.25	86.5%	Steel Frame	F	$12\frac{9}{16}$ "	5,10	2NKF1 ✓	468.50
	1740	56H	208-230/460	5.8-5.3/2.6	1.15	85.5%	Steel Frame	F	$15"$	10,15,23	6VPF1 ✓	468.50
	1725	56H	208-220/460	6.2-6.0/3.0	1.0	87.5%	Steel Frame	B	$14\frac{9}{16}$ "	5,10	3N486 ✓	392.75
	1725	145T	208-230/460	6.1-5.6/2.8	1.15	86.5%	Cast-Iron Frame	F	$13\frac{1}{16}$ "	15,16,23	2MXU1 ✓	540.00
	1175	213	208-220/440	6.9-6.3/3.1	1.15	86.5%	Steel Frame	F	$19\frac{1}{4}$ "	10,15,23	2N943 ✓	737.00
	1165	184T	208-230/460	7.3-6.6/3.3	1.15	88.5%	Steel Frame	F	$16\frac{9}{16}$ "	10,15,23	4GY7B ✓	653.00
	1165	184T	208-230/460	6.6-6.0/3.0	1.15	88.5%	Cast-Iron Frame	F	$15\frac{9}{16}$ "	15,16,23	2MXU2 ✓	715.50

Footnotes: 2—50 Hz operation on 190/380V at rated HP and $\frac{5}{6}$ of 60 Hz rpm. 3—50 Hz operation on rated voltage or 190/380V at rated HP and $\frac{5}{6}$ of 60 Hz rpm at 1.0 SF. 5—50 Hz operation on 190/380V at $\frac{5}{6}$ of 60 Hz HP and rpm at 1.0 SF. 10—Inverter-duty, meets NEMA MG 1 Part 30; 10:1 variable and 2:1 constant torque. 12—Inverter-duty, meets NEMA MG 1 Part 30; 10:1 variable and 4:1 constant torque. 15—Usable on 200V at 1.0 SF. 16—Inverter-duty, meets NEMA MG 1 Part 30; 20:1 variable and 10:1 constant torque.

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3-Phase Premium and Energy-Efficient TENV and TEFC Motors

HP	Nameplate RPM	NEMA Frame	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Frame Material	Insulation Class	Overall Length	Foot-notes	Item No.	\$ Each
Totally Enclosed Fan-Cooled (Cont.)												
3	3540	182T	208-230/460	8.4-7.7/3.9	1.15	87.5%	Steel Frame	F	14 ^{11/16} "	5,10	2NKY7	✓ 640.50
	3510	182T	208-230/460	7.8-7.1/3.5	1.15	88.5%	Cast-Iron Frame	F	14 ^{11/16} "	15,16,23	2MXU3	✓ 654.00
	3490	143-51/56HZ	208-230/460	8.1-7.2/3.6	1.25	86.5%	Steel Frame	F	13 ^{3/4} "	2,10,15	41D774	✓ 603.00
	3465	184	208-220/440	8.1-7.3/3.7	1.15	85.5%	Steel Frame	F	15 ^{1/4} "	10,15,23	2N948	✓ 624.50
	1765	213	208-220/440	8.7-7.8/3.9	1.15	87.5%	Steel Frame	F	19 ^{11/16} "	10,15,23	2N936	✓ 731.50
	1760	182T	208-230/460	8.3-7.5/3.7	1.15	89.5%	Cast-Iron Frame	F	14 ^{11/16} "	15,16,23	2MXU4	✓ 681.00
	1755	182T	208-230/460	9.4-8.5/4.2	1.15	89.5%	Steel Frame	F	16 ^{9/16} "	16,25	4GYV9	✓ 533.00
	1170	213T	208-230/460	10.2-9.2/4.6	1.15	89.5%	Steel Frame	F	20 ^{11/16} "	16,25	4GYZ1	✓ 952.50
	1170	213T	208-230/460	8.9-8.0/4.0	1.15	89.5%	Cast-Iron Frame	F	18"	15,16,23	2MXU5	✓ 943.00
	1170	215	208-220/440	9.9-8.9/4.5	1.15	87.5%	Steel Frame	F	19 ^{11/16} "	10,15,23	2N944	✓ 913.00
	3510	184T	208-230/460	12.6-11.4/5.7	1.15	88.5%	Cast-Iron Frame	F	15 ^{3/4} "	15,16,23	2MXU6	✓ 788.00
	3485	213	208-220/440	13.7-12.4/6.2	1.15	87.5%	Steel Frame	F	19 ^{11/16} "	5,10,15	2N949	✓ 927.50
	3460	184T	208-230/460	12.9-11.6/5.8	1.15	89.5%	Steel Frame	F	16 ^{9/16} "	16,25	4GYZ2	✓ 643.00
	1755	184T	208-230/460	13.5-12.2/6.1	1.15	89.5%	Cast-Iron Frame	F	15 ^{3/4} "	15,16,23	2MXU7	✓ 742.00
	1755	215	208-220/440	14.1-12.7/6.4	1.15	87.5%	Steel Frame	F	19 ^{11/16} "	5,10,15	2N937	✓ 893.00
	1740	184T	208-230/460	14.5-13.1/6.5	1.15	89.5%	Steel Frame	F	16 ^{9/16} "	16,25	4GYZ3	✓ 587.50
	1170	215T	208-230/460	15.5-14.0/7.0	1.15	91.0%	Steel Frame	F	20 ^{11/16} "	16,25	4GYZ4	✓ 1,008.00
	1165	254U	208-220/440	15.0-13.5/6.8	1.15	87.5%	Steel Frame	F	25 ^{11/16} "	5,10,15	2N945	✓ 1,612.00
	1160	215T	208-230/460	13.8-12.5/6.2	1.15	91.0%	Cast-Iron Frame	F	19 ^{11/16} "	15,16,23	2MXU8	✓ 1,213.00
	3530	213T	208-230/460	19.1-17.3/8.7	1.15	91.0%	Cast-Iron Frame	F	18"	15,16,23	2MXU9	✓ 1,031.00
	3510	213T	208-230/460	20.4-18.4/9.2	1.15	90.2%	Steel Frame	F	20 ^{11/16} "	16,25	4GYZ5	✓ 843.00
7 1/2	1770	213T	208-230/460	19.5-17.7/8.9	1.15	91.7%	Cast-Iron Frame	F	18"	15,16,23	2MXV1	✓ 1,033.00
	1770	254U	208-220/440	20.3-18.4/9.2	1.15	89.5%	Steel Frame	F	25 ^{11/16} "	5,10,15	2N938	✓ 1,183.00
	1760	213T	208-230/460	20.4-18.5/9.2	1.15	91.7%	Steel Frame	F	20 ^{11/16} "	16,25	4GYZ6	✓ 910.50
	1170	254T	208-230/460	21.1-19.1/9.6	1.15	91.0%	Cast-Iron Frame	F	23 ^{11/16} "	15,16,23	2MXV2	✓ 1,616.00
	3530	215T	208-230/460	25.4-23.0/11.5	1.15	91.0%	Cast-Iron Frame	F	19 ^{11/16} "	15,16,23	2MXV3	✓ 1,174.00
	3485	215T	208-230/460	26.5-23.9/12.0	1.15	91.0%	Steel Frame	F	20 ^{11/16} "	16,25	4GYZ7	✓ 1,006.00
10	1765	215T	208-230/460	25.7-23.3/11.6	1.15	91.7%	Cast-Iron Frame	F	19 ^{11/16} "	15,16,23	2MXV4	✓ 1,064.00
	1755	215T	208-230/460	26.6-24.0/12.0	1.15	91.7%	Steel Frame	F	20 ^{11/16} "	16,25	4GYZ8	✓ 963.50
	1760	256T	208-230/460	28.3-25.6/12.8	1.15	91.0%	Cast-Iron Frame	F	25 ^{11/16} "	15,16,23	2MXV5	✓ 1,997.00
	3535	254T	208-230/460	36.7-33.2/16.6	1.15	92.4%	Cast-Iron Frame	F	23 ^{11/16} "	15,16,23	2MXV6	✓ 1,686.00
15	1765	254T	208-230/460	38.1-34.5/17.3	1.15	92.4%	Cast-Iron Frame	F	23 ^{11/16} "	15,16,23	2MXV7	✓ 1,761.00
	1180	284T	208-230/460	40.2-36.4/18.2	1.15	92.4%	Cast-Iron Frame	F	26 ^{11/16} "	15,16,23	2MXV8	✓ 2,812.00
	3530	256T	208-230/460	48.4-43.8/21.9	1.15	92.4%	Cast-Iron Frame	F	25 ^{11/16} "	15,16,23	2MXV9	✓ 2,297.00
20	1765	286T	208-230/460	50.8-46.0/23.0	1.15	93.0%	Cast-Iron Frame	F	25 ^{11/16} "	15,16,23	2MXW1	✓ 2,252.00
	1180	286T	208-230/460	53.7-48.6/24.3	1.15	91.7%	Cast-Iron Frame	F	28 ^{11/16} "	15,16,23	2MXW2	✓ 3,692.00
25	3555	284TS	208-230/460	61.4-55.6/27.8	1.15	92.4%	Cast-Iron Frame	F	25 ^{11/16} "	15,16,23	2MXW3	✓ 2,935.00
	1770	284T	208-230/460	64.3-58.2/29.1	1.15	93.6%	Cast-Iron Frame	F	26 ^{11/16} "	15,16,23	2MXW4	✓ 2,845.00
	1175	324T	208-230/460	67.0-60.6/30.3	1.15	93.0%	Cast-Iron Frame	F	29 ^{11/16} "	15,16,23	2MXW5	✓ 4,624.00
30	3530	286TS	208-230/460	73.4-66.4/33.2	1.15	93.0%	Cast-Iron Frame	F	26 ^{11/16} "	15,16,23	2MXW6	✓ 3,077.00
	1765	286T	208-230/460	75.8-68.6/34.3	1.15	98.6%	Cast-Iron Frame	F	28 ^{11/16} "	15,16,23	2MXW7	✓ 3,563.00
	1175	326T	208-230/460	82.9-75.0/37.5	1.15	93.0%	Cast-Iron Frame	F	31 ^{11/16} "	15,16,23	2MXW8	✓ 4,618.00
40	3555	324TS	208-230/460	97.7-88.4/44.2	1.15	94.1%	Cast-Iron Frame	F	28 ^{11/16} "	15,16,23	2MXW9	✓ 3,671.00
	1770	324T	208-230/460	102.3-92.6/46.3	1.15	94.1%	Cast-Iron Frame	F	29 ^{11/16} "	15,16,23	2MXX1	✓ 3,275.00
	1175	364T	208-230/460	101.0-92.0/46.0	1.15	94.1%	Cast-Iron Frame	F	32 ^{11/16} "	15,16,23	2MXX2	✓ 5,921.00
50	3550	326TS	208-230/460	120.0-109.0/54.7	1.15	94.1%	Cast-Iron Frame	F	29 ^{11/16} "	15,16,23	2MXX3	✓ 3,978.00
	1770	326T	208-230/460	125.0-113.8/56.9	1.15	94.5%	Cast-Iron Frame	F	31 ^{11/16} "	15,16,23	2MXX4	✓ 3,525.00
	1180	365T	208-230/460	128.0-115.6/57.8	1.15	94.1%	Cast-Iron Frame	F	33 ^{11/16} "	15,16,23	2MXX5	✓ 6,457.00

Footnotes: 2—50 Hz operation on 190/380V at rated HP and % of 60 Hz rpm. 3—50 Hz operation on rated voltage or 190/380V at rated HP and % of 60 Hz rpm at 1.0 SF. 5—50 Hz operation on 190/380V at % of 60 Hz HP and rpm at 1.0 SF. 10—Inverter-duty, meets NEMA MG 1 Part 30; 10:1 variable and 2:1 constant torque. 12—Inverter-duty, meets NEMA MG 1 Part 31; 10:1 variable and 4:1 constant torque. 15—Usable on 200V at 1.0 SF. 16—Inverter-duty, meets NEMA MG1 Part 30; 20:1 variable and 10:1 constant torque.

marathon™ **NEMA**
Premium

3-Phase NEMA Premium® and Energy-Efficient TEFC Motors with Aegis Rings

- Mounting: base
- Bearings: ball
- Thermal protection: none
- Service factor: 1.15
- Insulation: Class F
- Max. ambient: 40°C
- Rotation: CW/CCW
- Feature bearing protection rings that provide a grounding path to divert currents away from bearings to ground. Design prevents bearing fluting damage for motors controlled by variable frequency drives. Cast-iron frame. Suitable for use on blowers, compressors, conveyors, pumps, and other machinery in dirty and dusty environments. UL Recognized and CSA Certified.


No.
40Z948

HP	Nameplate RPM	NEMA Frame	Voltage	Full Load Amps	Nom. Efficiency	Overall Length (in.)	Foot-notes	Item No.	\$ Each
1	1735	143T	230/460	3/1.5	85.5%	14	20	40Z948	✓ 578.00
1 1/2	1755	145T	230/460	4.6/2.3	86.5%	14	20	40Z949	✓ 796.50
2	1755	145T	230/460	6/3	86.5%	14	20	40Z950	✓ 662.50
3	1765	182T	230/460	8/4	90.2%	15 1/2	20	40Z951	✓ 1,221.00
5	1755	184T	230/460	12.4/6.2	90.2%	17 1/8	20	40Z952	✓ 1,375.00
7 1/2	1770	213T	230/460	20/10	91.7%	19 1/2	20	40Z953	✓ 1,660.00
10	1765	215T	230/460	25/12.5	91.7%	22 1/2	20	40Z954	✓ 1,802.00
15	1775	254T	230/460	37.5/108.8	92.4%	23 1/2	20	40Z955	✓ 2,434.00
20	1775	256T	230/460	48/24.1	93%	25 1/4	10	40Z956	✓ 2,928.00
25	1774	284T	230/460	62/31	93.6%	26 5/16	20	40Z957	✓ 3,603.00
30	1773	286T	230/460	73/36.5	94.1%	27 1/16	20	40Z958	✓ 4,106.00
40	1780	324T	230/460	95/47.5	94.1%	30 1/2	10	40Z959	✓ 5,366.00
50	1775	326T	230/460	120/60	94.5%	30 1/2	2	40Z960	✓ 6,455.00

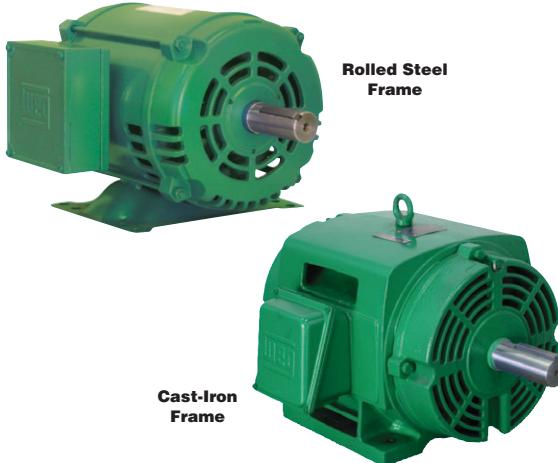
Footnotes: 2—50 Hz operation on 190/380V at rated HP and % of 60 Hz rpm. 10—Inverter-duty, meets NEMA MG 1 Part 30; 10:1 variable and 2:1 constant torque. 20—50 Hz operation at rated HP and voltage and 1.0 SF.

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER
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MOTORS

3-Phase General Purpose Motors



For assistance with motor selection, see pages 3 to 7.

3-Phase NEMA Premium® and Energy-Efficient Open Driproof Motors



- Mounting: rigid base
- Bearings: ball, regreasable on 254T frame and above
- Thermal protection: none
- Insulation: Class F, motors have Class B temp. rise for longer life
- Inverter rated, 4:1 constant torque and 10:1 variable torque
- Max. ambient: 40°C
- Rotation: CW/CCW
- Warranty: 56 frame 1½ yr., 140T and above 3 yr.
- 150 HP and up are part-winding start capable

Corrosion-resistant finish.
Gasketed conduit boxes are threaded for easier installation. Stainless steel, laser-etched nameplate maintains information over long life. Suitable for clean, dry, nonhazardous applications with pumps, ventilation equipment, machine tools, and other industrial equipment. UL Recognized, CSA and CE Certified.

Note: Motors are suitable for use at 50 Hz. Motors in a 143T frame and above are nameplated 60/50 Hz, and maintain nameplate HP rating.

HP	Nameplate RPM	NEMA Frame	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Insulation Class	Overall Length (in.)	Mfr. Model	Item No.	\$ Each
Rolled Steel Frame											
1/4	3480	56	208-230/460	1.05-1.10/0.55	1.35	58.0%	B	10½	25360S3EA56	1EBT5	✓ 196.50
	1750	56	208-230/460	1.20-1.4/0.70	1.35	62.0%	B	10½	.25180S3EA56	1EBT6	✓ 199.50
	1150	56	208-230/460	1.33-1.50/0.750	1.35	55.0%	B	10½	.25120S3EA56	1EBT7	✓ 249.50
	3500	56	208-230/460	1.34-1.40/0.70	1.35	63.0%	B	10½	.3360S3EA56	1EBT8	✓ 203.75
1/3	1740	56	208-230/460	1.30-1.40/0.73	1.35	64.0%	B	10½	.33180S3EA56	1EBT9	✓ 223.50
	1140	56	208-230/460	1.42-1.46/0.73	1.35	66.0%	B	10½	.33120S3EA56	1EBV1	✓ 294.75
	3480	56	208-230/460	1.90-1.82/0.91	1.25	66.0%	B	10½	.50360S3EA56	1EBV2	✓ 223.50
1/2	1730	56	208-230/460	1.81-1.84/0.92	1.25	70.0%	B	10½	.50180S3EA56	1EBV3	✓ 250.50
	1140	56	208-230/460	2.0-2.0/1.0	1.25	70.0%	B	11½	.50120S3EB56	1EBV4	✓ 308.00
	3450	56	208-230/460	2.55-2.39/1.20	1.25	72.0%	B	11½	.75360S3EB56	1EBV5	✓ 262.75
¾	1735	56	208-230/460	2.65-2.70/1.35	1.25	72.0%	B	11½	.75180S3EB56	1EBV6	✓ 279.25
	1130	56	208-230/460	2.80-2.70/1.35	1.15	70.0%	B	12½	.75120S3ED56	1EBV7	✓ 335.50
1	3470	56	208-230/460	3.20-3.11/1.55	1.25	74.0%	B	11½	001360S3EB56	1EBV8	✓ 303.50
1 ½	1730	143T	208-230/460	3.00-2.90/1.45	1.15	85.5%	F	12½	001180T3E143T	1XTV5	✓ 370.75
1 ½	3430	143T	208-230/460	4.10-3.80/1.90	1.15	85.5%	F	12½	001560T3E143T	1XTV6	✓ 418.50
2	1740	145T	208-230/460	4.50-4.40/2.20	1.15	86.5%	F	12½	001580T3E145T	1XTV7	✓ 409.50
2	3430	145T	208-230/460	5.50-5.00/2.50	1.15	86.5%	F	12½	002360T3E145T	1XTV9	✓ 466.50
3	3430	145T	208-230/460	5.95-5.80/2.90	1.15	86.5%	F	12½	002180T3E145T	1XTV8	✓ 458.50
3	1760	182T	208-230/460	7.80-7.00/3.50	1.15	86.5%	F	12½	003060T3E145T	1XTW2	✓ 542.50
5	3490	182T	208-230/460	8.98-8.12/4.06	1.15	89.5%	F	13½	003180T3E182T	1XTW1	✓ 484.00
5	1755	184T	208-230/460	14.2-12.8/6.41	1.15	89.5%	F	13½	005360T3E182T	1XTW4	✓ 625.00
7 ½	3480	184T	208-230/460	19.8-17.9/8.97	1.15	88.5%	F	14½	005180T3E184T	1XTW3	✓ 628.50
7 ½	1760	213T	208-230/460	20.0-18.1/9.03	1.15	91.0%	F	17½	007360T3E184T	1XTW6	✓ 809.50
10	3520	213T	208-230/460	26.2-23.7/11.9	1.15	90.2%	F	17½	010360T3E213T	1XTW5	✓ 854.50
15	3515	215T	208-230/460	27.0-24.4/12.2	1.15	91.7%	F	17½	010180T3E215T	1XTW7	✓ 1,031.00
15	3515	215T	208-230/460	38.5-34.8/17.4	1.15	91.0%	F	17½	015360T3E215T	1XTX1	✓ 1,319.00
Cast-Iron Frame											
15	1775	254T	208-230/460	41.1-37.2/18.6	1.15	93.0%	F	20⅓	015180T3E254T	1XTW9	✓ 1,373.00
20	3520	254T	208-230/460	54.4-49.2/24.6	1.15	91.0%	F	20⅓	020360T3E254T	1XTX3	✓ 1,586.00
25	1770	256T	208-230/460	55.3-50/25	1.15	93.0%	F	22%	020180T3E256T	1XTX2	✓ 1,712.00
25	3530	256T	208-230/460	65.9-59.6/29.8	1.15	91.7%	F	22%	025360T3E256T	1XTX5	✓ 1,932.00
25	1770	284T	208-230/460	66.1-59.8/29.9	1.15	93.6%	F	23½	025180T3E284T	1XTX4	✓ 1,933.00
30	3540	284TS	208-230/460	76.7-70.4/35.2	1.15	92.4%	F	22	030360T3E284TS	1XTX7	✓ 2,077.00
40	3535	286T	208-230/460	78.3-70.8/35.4	1.15	94.1%	F	24½	030180T3E286T	1XTX6	✓ 2,279.00
50	3555	324T	208-230/460	104.0-94.2/47.1	1.15	93.0%	F	23½	040360T3E286TS	1XTX9	✓ 2,904.00
50	1775	326T	208-230/460	107.0-96.4/48.2	1.15	94.1%	F	26½	040180T3E324T	1XTX8	✓ 2,856.00
50	3555	324TS	208-230/460	131.0-118.0/59.1	1.15	93.6%	F	24½	050360T3E324TS	1XTY2	✓ 3,061.00
60	1775	326T	208-230/460	132-122.8/61.4	1.15	94.5%	F	27½	050180T3E326T	1XTY1	✓ 2,761.00
75	3555	326TS	208-230/460	157.0-142.0/71.0	1.15	93.6%	F	26½	060360T3E326TS	1XTY4	✓ 3,508.00
75	1780	364T	208-230/460	155.0-140.0/69.9	1.15	95.0%	F	29½	060180T3E364T	1XTY3	✓ 4,090.00
100	3550	364TS	208-230/460	180.0-163.0/81.5	1.15	94.1%	F	27½	075360T3E364TS	1XTY6	✓ 4,442.00
100	1780	365T	208-230/460	189-171/85.5	1.15	95.0%	F	29½	075180T3E365T	1XTY5	✓ 4,122.00
125	3550	365TS	208-230/460	245.0-222.0/111.0	1.15	94.5%	F	27½	100360T3E365TS	1XTZ6	✓ 5,772.00
125	1780	404T	208-230/460	254-230/115	1.15	95.4%	F	34½	100180T3E404T	1XTT7	✓ 5,306.00
150	3550	404TS	208-230/460	301.0-270.0/136.0	1.15	94.5%	F	31½	125360T3E404TS	1XTZ7	✓ 7,665.00
150	1780	405T	208-230/460	301-284/142	1.15	95.4%	F	34½	125180T3E405T	1XTZ8	✓ 6,107.00
150	3555	405TS	460	162	1.15	94.5%	F	31½	150360T3G405TS	1XTZ9	✓ 9,821.00
150	1785	444T	460	166	1.15	95.8%	F	39½	150180T3G444T	1XTY9	✓ 8,697.00
150	3575	444TS	460	223	1.15	95.0%	F	36½	200360T3G444TS	1XTZ9	✓ 12,905.00
200	1780	445T	460	223	1.15	95.8%	F	39½	200180T3G445T	1XTZ1	✓ 10,607.00

C-Face Flange Kits

Convert standard 140 through 326 frame WEG motors into C-Face configuration. Made of FC-200 cast-iron for heavy-duty applications and reducing vibration levels. For larger frame sizes, see Grainger.com®.



NEMA/IEC Frame	Mfr. Model	Item No.	\$ Each	
			FOR OPEN DRIPPROOF	FOR CAST-IRON TEFC
143T, 145T	FLC-0140	3TPX5	52.85	—
182T, 184T (W21 Series)	FLC-0180	3TPX6	57.40	FLC-E180-W22 3TPV7
182T/4T	—	—	—	FLC-E180-W22 6EKV3
213T, 215T	FLC-0210-UBC	3TPX7	72.05	FLC-E210-UBC 3TPV9
254T, 256T (W21 Series)	FLC-0250	3TPX8	79.85	FLC-E250 3TPW2
254/6T	—	—	—	FLC-E250-W22 6EKV4
284T, 286T, 288TS, 286TS	FLC-0280	3TPX9	146.85	FLC-E280 3TPW3
324T, 326T, 324TS, 326TS	FLC-0320	3TPY1	202.75	FLC-E320 3TPW4

3-Phase Face- and Face/Base-Mount Motors

marathon™
Motors



**Open Driproof,
Face/Base-Mount**



**Open Driproof,
Face-Mount**



**TEFC,
Face/Base-Mount**



**TEFC,
Face-Mount**

- Bearings: ball
- Thermal protection: none
- Max. ambient: 40°C
- Rotation: CW/CCW
- Frame material: steel
- Manufacturer's warranty: Nos. 30E438 to 30E448 are 3 yr., Nos. 30E454 and 30E455 are 2 yr.

Use in pumps, speed reducers, machine tools, and other shaft-end-mounted industrial equipment applications. Open driproof enclosures are for use in clean, dry, nonhazardous applications. Totally enclosed fan-cooled enclosures are for use in dusty or dirty applications. UL Recognized and CSA Certified.

HP	Nameplate RPM	NEMA Frame	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Insulation Class	Overall Length	Foot-notes	Item No.	\$ Each
Open Driproof, Face/Base-Mount											
1/3	1725	56C	208-230/460	1.5-1.6/0.8	1.35	68.0%	B	9 1/8"	28	30E450	✓ 221.75
1/2	1725	56C	208-230/460	2.3-2.2/1.1	1.25	74.7%	B	10"	—	5N974	✓ 283.50
1	1725	56HC	208-230/460	3.6-3.8/1.9	1.15	77.0%	B	10 1/4"	—	6MA12	✓ 376.00
3/4	3450	56C	208-230/460	5.2-5.0/2.5	1.15	80.0%	B	10 1/4"	—	6MA13	✓ 474.00
1 1/2	1725	56HC	208-230/460	5.2/2.6	1.15	82.1%	F	11 1/8"	—	6MA10	✓ 424.75
2	3450	56C	208-230/460	6.6-6.0/3.0	1.15	80.5%	B	11 3/8"	—	6NO45	✓ 370.00
2	1725	56HC	208-230/460	6.2-5.8/2.9	1.15	83.6%	B	13 1/8"	—	6MA14	✓ 439.25
Open Driproof, Face-Mount											
1/4	1725	56C	208-230/460	1.1-1.2/0.6	1.0	67.4%	B	9 1/2"	—	5N112	✓ 298.75
1/3	3450	56C	208-230/460	1.5-1.8/0.9	1.75	61.0%	B	9 1/8"	—	3N817	✓ 211.75
1/2	3450	56C	208-230/460	2.0-2.0/1.0	1.60	69.8%	B	10 1/8"	—	6MA11	✓ 245.25
3/4	3450	56C	208-230/460	2.6-2.6/1.3	1.50	74.0%	B	10 1/8"	—	3N819	✓ 267.00
1	3450	56C	208-230/460	3.3-3.2/1.6	1.40	74.0%	B	11 1/8"	—	3N820	✓ 301.75
1	1725	56C	208-230/460	3.6-3.8/1.9	1.15	77.0%	B	10 1/4"	—	3N685	✓ 311.50
1	1725	143TC	208-230/460	3.3-3.1/1.55, 2.8/1.4	1.15	82.5%	F	12 1/8"	25	30E442	✓ 306.00
1	1155	145TC	208-230/460	3.8-3.6/1.8	1.15	80.0%	B	12 1/8"	25	30E443	✓ 374.50
1 1/2	3450	56C	208-230/460	5.0-4.8/2.4	1.30	80.0%	B	10 1/4"	—	3N821	✓ 341.50
1 1/2	1725	56C	208-230/460	5.8-5.6/2.8	1.15	77.0%	B	11 1/8"	—	5N131	✓ 355.75
2	3510	145TC	208-230/460	5.6-5.4/2.7, 5.0/2.5	1.15	84.0%	B	12 1/8"	25	30E446	✓ 365.25
2	3450	56C	208-230/460	6.0-6.0/3.0	1.20	80.0%	B	11 1/8"	—	3N822	✓ 413.00
2	1740	145TC	208-230/460	5.9-5.3/2.65, 5/2.5	1.15	84.0%	B	12 1/8"	25	30E444	✓ 400.50
2	1725	56C	208-230/460	6.6-6.4/3.2	1.15	82.5%	B	13 1/8"	—	6LY97	✓ 397.25
2	1170	184TC	230/460	6.8/3.4	1.15	85.5%	F	13 1/8"	25	30E445	✓ 492.00
3	3490	145TC	208-230/460	8.8-8.4/4.2, 7/3.5	1.15	84.0%	B	12 1/8"	—	30E447	✓ 404.75
3	3450	56C	208-230/460	8.9-8.2/4.1	1.15	84.0%	B	12 1/8"	—	3N823	✓ 440.25
3	1760	184TC	208-230/460	9-8.8/4.4, 7.8/3.9	1.15	86.5%	F	12 3/4"	25	30E448	✓ 426.50
Totally Enclosed Fan-Cooled, Face/Base-Mount											
1/4	1725	56C	208-230/460	1.2-1.3/0.65	1.15	62.0%	F	9 7/8"	28	30E440	✓ 236.25
1/4	1140	56C	208-230/460	1.65-2/1.8/0.9	1.15	52.5%	F	11 1/8"	25,28	30E461	✓ 308.00
1/3	1725	56C	208-230/460	1.5-1.6/0.8	1.35	69.2%	B	11"	—	6N055	✓ 286.50
1/3	1140	56C	208-230/460	1.9-2.2/1.1/2.1/1.05	1.15	62.0%	F	11 1/4"	25,28	30E462	✓ 307.00
1/2	3450	56C	208-230/460	2.2-2.5/1.3	1.25	65.5%	B	11"	—	6N056	✓ 268.75
1/2	3450	56C	208-230/460	2.0-2.2/1.2/0.1/0	1.15	66.0%	B	11 1/4"	28	30E441	✓ 239.25
1	1725	56C	208-230/460	2.3-2.2/1.1	1.25	74.7%	B	11"	—	6N057	✓ 308.00
1	1140	56C	208-230/460	2.4-2.7/1.35, 2.4/1.2	1.15	68.0%	F	11 1/8"	25,28	30E463	✓ 346.50
1	3450	56C	208-230/460	2.6-2.6/1.3	1.25	73.2%	B	11 1/8"	—	5N126	✓ 283.00
1	3450	56C	208-230/460	3.0-3.2/1.6/1.5	1.15	74.0%	F	11 1/8"	25,28	30E457	✓ 298.50
1	1725	56C	208-230/460	3.3-3.0/1.5	1.25	70.8%	B	11 1/8"	—	5N115	✓ 324.75
1	1140	56C	208-230/460	3.2-3.2/1.6, 2.6/1.3	1.15	74.0%	F	12 1/8"	25,28	30E464	✓ 372.50
1	3450	56C	208-230/460	3.2-3.0/1.5	1.25	78.5%	B	12 1/8"	—	5N127	✓ 322.25
1	3450	56C	208-230/460	3.7-3.7/1.85, 3.4/1.7	1.15	84.0%	F	11 1/8"	25,28	30E460	✓ 337.00
1	1725	56C	208-230/460	3.6-3.8/1.9	1.25	77.0%	B	11 1/8"	—	5N116	✓ 345.00
1	1140	56HC	208-230/460	3.8-4/2, 3.8/1.9	1.15	77.0%	F	12 1/8"	25,28	30E467	✓ 390.00
1	3450	56C	208-230/460	5.0-4.8/2.4	1.15	77.3%	B	11 1/8"	—	6N061	✓ 372.25
1	3450	56C	208-230/460	4.6-4.6/2.3, 3.8/1.9	1.15	80.0%	F	11 1/8"	25,28	30E458	✓ 348.50
1 1/2	1725	56C	208-230/460	4.7-4.4/2.2	1.25	81.7%	F	12 1/8"	—	5N117	✓ 372.25
2	3450	56C	230/460	5.8/2.9	1.0	77.5%	F	14 1/4"	28	30E466	✓ 404.75
2	3450	56C	208-230/460	5.8-5.4/2.7	1.15	83.0%	B	13"	—	5N128	✓ 398.50
2	3450	56C	208-230/460	6-6/3, 5.6/2.8	1.15	80.0%	F	12 1/4"	25,28	30E459	✓ 404.75
2	1725	56HC	208-230/460	6.5-8/2.9, 5.4/2.7	1.15	82.5%	B	13 1/8"	25	30E468	✓ 404.75
3	1770	182TC	208-230/460	8.6-7.8/3.9, 9.5/4.75	1.15	89.5%	F	14 1/8"	25,28	30E455	✓ 544.00
3	1725	56HCZ	230/460	3.2-3.2/1.6, 2.6/1.3	1.0	85.5%	F	14 1/8"	25,28	30E465	✓ 544.00
Totally Enclosed Fan-Cooled, Face-Mount											
1/3	1725	56C	208-230/460	1.5-1.6/0.8	1.0	68.0%	B	10 1/8"	—	3N686	✓ 255.00
1/3	3450	56C	200-230/460	2.1-2.0/1.0	1.60	72.0%	B	10 1/8"	—	6NB73	✓ 274.25
1/2	1725	56C	208-230/460	2.1-2.2/1.1	1.25	75.5%	B	10 1/8"	4	3N687	✓ 279.25
3/4	3450	56C	200-230/460	2.6-2.6/1.3	1.50	76.0%	B	11 1/8"	—	6NB74	✓ 302.25
3/4	3450	56C	208-230/460	2.8-2.8/1.4	1.25	78.5%	B	11 1/8"	—	3N688	✓ 307.00
1	3450	56C	200-230/460	3.2-3.0/1.5	1.40	74.0%	B	12 1/8"	—	4N073	✓ 323.75
1	3450	56C	208-230/460	3.7-3.7/1.85	1.15	74.0%	F	12 1/8"	—	33L644	✓ 317.25
1	1725	56C	208-230/460	3.6-3.8/1.9	1.25	77.0%	B	11 1/8"	—	3N689	✓ 322.50
1	3500	143TC	208-230/460	4.4-4/2, 3.4/1.7	1.15	82.5%	F	12 1/8"	25	30E438	✓ 327.75
1	3450/2850	56C	208-230/460	4.8-4.6/2.3	1.15	80.0%	B	11 1/8"	25	6NB72	✓ 369.75
1 1/2	3450	56C	200-230/460	4.8-4/2/2.1	1.30	81.7%	B	12 1/8"	—	4N075	✓ 371.25
1 1/2	1725	56C	208-230/460	4.7-4.4/4.2	1.25	81.5%	B	12 1/8"	—	3N690	✓ 345.75
1 1/2	1725	145TC	208-230/460	4.5-4/4.2/2	1.15	84.0%	B	13 1/4"	—	6NB79	✓ 381.00
1 1/2	1155	145TC	208-230/460	4.9-3/6/1.8	1.15	84.0%	F	11 1/8"	—	33L643	✓ 515.00
2	3450/2850	56C	208-230/460	4.6-4/6/2.3	1.15	80.0%	B	12 1/8"	25	6NB70	✓ 423.25
2	3450	56C	200-230/460	5.8-5.4/2.7	1.20	83.0%	B	13"	—	4N077	✓ 417.50
2	1725	56C	208-230/460	6.2-5.8/2.9	1.15	82.5%	F	14 1/4"	—	6WE77	✓ 453.25
3	3515	184TC	208-230/460	8.2-7.6/3.8	1.15	86.5%	F	14 1/4"	25,28	30E454	✓ 567.00
3	3450	56C	230/460	8.0/4.0	1.0	84.0%	B	14 1/4"	—	4N079	✓ 466.25
Totally Enclosed Nonventilated, Face-Mount											
1/4	1725	56C	208-230/460	1.1-1.2/0.6	1.35	67.4%	B	9 1/8"	—	5N114	✓ 246.25
1/3	3450	56C	208-230/460	1.6-1.8/0.9/1.7/0.85	1.15	65.0%	F	10 1/2"	25,28	30E456	✓ 278.75

Footnotes: 4—Has 50 Hz operation on 190/380V at % of rated HP and 60 Hz rpm at 1.25 SF. 25—Has 50 Hz operation on rated voltage or 190/380V at rated HP and % of 60 Hz rpm at 1.0 SF. 28—Removable base.

MOTORS

3-Phase General Purpose Motors & Thermal Imagers



For assistance with motor selection, see pages 3 to 7.

NEMA Premium

3-Phase Face/Base-Mount Motors

- Bearings: ball, regreasable 254TC frame and above
- Thermal protection: none
- Insulation: Class F, with Class B rise
- Max. ambient: 40°C
- Rotation: CW/CCW
- Inverter rated 20:1 constant torque; 100:1 variable torque; warranty: 3 yr.

Corrosion-resistant finish. V-ring slingers on both endshields block debris from entering housing cavity. Automatic pressure-compensated drain plugs. Gasketed conduit boxes are threaded for easier installation. Stainless steel, laser-etched nameplate maintains information over long life. TEFC models are severe-duty rated. Meet NEMA Premium® Standards.

Note: Motors are nameplated 60/50 Hz and maintain nameplate HP rating at 50 Hz.

HP Open Driproof, Rolled-Steel Frame	Nameplate RPM	NEMA Frame	Voltage	Service Factor	Nom. Efficiency	Overall Length (in.)	Full Load Amps	Mfr. Model	Item No.	\$ Each
1	1800	143/5TC	208-230/460	1.15	85.5%	12 1/16	1.45	001180T3E143TC	12N906 ✓	397.25
1 1/2	1800	143/5TC	208-230/460	1.15	86.5%	12 1/16	2.2	001580T3E145TC	12N908 ✓	401.75
2	1800	143/5TC	208-230/460	1.15	86.5%	12 1/16	2.9	002180T3E145TC	12N910 ✓	444.25
3	1800	182TC	208-230/460	1.15	89.5%	13 1/2	4.06	003180T3E182TC	12N912 ✓	633.00
5	1800	184TC	208-230/460	1.15	89.5%	14 1/16	6.41	005180T3E184TC	12N914 ✓	731.00
7 1/2	1800	213/5TC	208-230/460	1.15	91.0%	17 1/16	9.03	007180T3E213TC	12N916 ✓	1,020.00
10	1800	213/5TC	208-230/460	1.15	91.7%	17 1/16	12.2	010180T3E215TC	12N918 ✓	1,186.00
15	1800	254TC	208-230/460	1.15	93.0%	20 1/16	18.6	015180T3E254TC	12N920 ✓	1,715.00
20	1800	256TC	208-230/460	1.15	93.0%	22 1/2	25.0	020180T3E256TC	12N922 ✓	2,029.00
25	1800	284TC	208-230/460	1.15	93.6%	23 1/2	29.9	025180T3E284TC	12N924 ✓	2,530.00
30	1800	286TC	208-230/460	1.15	94.1%	24 1/2	35.4	030180T3E286TC	12N926 ✓	2,958.00
Totally Enclosed Fan-Cooled, Cast-Iron Frame (Severe-Duty Rated)										
1	3495	143TC	208-230/460	1.25	78.5%	12%	3.16-2.86/1.43	00136ET3E143TC-W22	6FDP4 ✓	451.00
1	1760	143TC	208-230/460	1.25	85.5%	12%	3.07-2.82/1.41	00118ET3E143TC-W22	6FTP7 ✓	447.75
1 1/2	3490	143TC	208-230/460	1.25	84.0%	12%	4.20-3.82/1.91	00156ET3E143TC-W22	6FDTO ✓	494.00
1 1/2	1755	145TC	208-230/460	1.25	86.5%	13%	4.36-4.04/2.02	00158ET3E145TC-W22	6FDP5 ✓	515.50
2	3480	145TC	208-230/460	1.25	85.5%	13%	5.60-5.06/2.53	00236ET3E145TC-W22	6FDP7 ✓	544.50
2	1750	145TC	208-230/460	1.25	86.5%	13%	5.77-5.22/2.61	00218ET3E145TC-W22	6FDP6 ✓	543.50
3	3510	182TC	208-230/460	1.25	86.5%	14%	8.01-7.26/3.63	00336ET3E182TC-W22	6FDP9 ✓	639.00
5	1760	182TC	208-230/460	1.25	89.5%	14%	8.58-7.76/3.88	00318ET3E182TC-W22	6FDP8 ✓	664.00
5	3500	184TC	208-230/460	1.25	88.5%	15%	13.0-11.8/5.90	00536ET3E184TC-W22	6FDR1 ✓	725.00
7 1/2	1755	184TC	208-230/460	1.25	89.5%	15%	14.3-12.9/6.45	00518ET3E184TC-W22	6FDR0 ✓	772.00
7 1/2	3520	213TC	208-230/460	1.25	89.5%	18	19.4-17.5/8.76	00736ET3E213TC-W22	6FDR3 ✓	1,074.00
7 1/2	1765	213TC	208-230/460	1.25	91.7%	18	19.9-18.0/9.00	00718ET3E213TC-W22	6FDR2 ✓	953.00
10	3515	215TC	208-230/460	1.25	90.2%	19 1/2	25.7-23.2/11.6	01036ET3E215TC-W22	6FDR5 ✓	1,084.00
10	1760	215TC	208-230/460	1.25	91.7%	19 1/2	27.4-24.8/12.4	01018ET3E215TC-W22	6FDR4 ✓	1,113.00
15	3530	254TC	208-230/460	1.25	91.0%	23 1/4	37.6-34.4/17.2	01536ET3E254TC-W22	6FDR7 ✓	1,674.00
20	3520	256TC	208-230/460	1.25	91.0%	25	51.3-46.4/23.2	02036ET3E256TC-W22	6FDR9 ✓	2,004.00
20	1765	256TC	208-230/460	1.25	93.0%	25	53.3-48.2/24.1	02018ET3E256TC-W22	6FDR8 ✓	1,880.00
25	3535	284TSC	208-230/460	1.25	91.7%	25 1/16	63.0-57.0/28.5	02536ET3E284TSC-W22	6FDT1 ✓	2,649.00
25	1765	284TC	208-230/460	1.25	93.6%	26 1/16	65.2-59.0/29.5	02518ET3E284TC-W22	6FDT2 ✓	2,314.00
30	3535	286TSC	208-230/460	1.25	91.7%	26 1/16	74.8-67.6/33.8	03036ET3E286TSC-W22	6FDT3 ✓	2,884.00
30	1765	286TC	208-230/460	1.25	93.6%	27 1/16	77.6-70.2/35.1	03018ET3E286TC-W22	6FDT4 ✓	2,630.00
40	3600	324TSC	208-230/460	1.25	92.4%	28 1/2	101.0-91.6/45.8	04036ET3E324TSC-W22	6FDT5 ✓	3,869.00
40	1775	324TC	208-230/460	1.25	94.1%	29%	107.0-96.4/48.2	04018ET3E324TC-W22	6FDT6 ✓	3,457.00
50	3600	326TSC	208-230/460	1.25	93.0%	29%	124.0-112.0/56.1	05036ET3E326TSC-W22	6FDT7 ✓	4,186.00
50	1775	326TC	208-230/460	1.25	94.5%	31%	131.0-118.0/59.2	05018ET3E326TSC-W22	6FDT8 ✓	3,718.00
60	3600	364/5TSC	208-230/460	1.25	93.6%	32 1/2	148.0-134.0/67.0	06036ET3E364TSC-W22	6FDT9 ✓	6,684.00
60	1775	364/5TC	208-230/460	1.25	95.0%	34 1/4	151.0-137.0/68.3	06018ET3E364TC-W22	6FDUO ✓	6,367.00
75	3600	364/5TSC	208-230/460	1.25	93.6%	32 1/4	181.0-164.0/81.9	07536ET3E365TSC-W22	6FDU1 ✓	7,864.00
75	1775	364/5TC	208-230/460	1.25	95.4%	34 1/4	186.0-168.0/84.1	07518ET3E365TC-W22	6FDU2 ✓	7,091.00

E Series Professional Thermal Imagers with MSX™ Enhancement

FLIR

- IR detector resolution: 320 x 240 (76,800 pixels)
- 3 MP digital camera with LED lamp and laser
- Radiometric IR video streaming (MPEG-4)
- 3.5" high-contrast touch-screen color LCD
- Simultaneous IR and visual image storage
- On-screen Delta T temperature difference feature
- Professional analysis software

Higher performing point-and-shoot imagers have 60 Hz image frequency to capture rotating targets. Professional analysis software package integrates seamlessly with camera for easy downloads, quick reporting, and camera firmware updates in the field. Multi-Spectral Dynamic Imaging (MSX) provides easier interpretation of images and adds visible spectrum definition to IR images by detecting the edges of objects and including that detail in the thermal

image. Text becomes clearly visible and allows you to read a label or identifier within the IR image. This unique feature provides excellent thermal detail that instantly highlights and orients problem locations and eliminates the need to refer back to a visual image for detail. Each includes SD card, USB cable, power adapter, case, and rechargeable battery. All models feature Wi-Fi® connectivity direct to an Apple® or Android™ mobile device to instantly send thermal images or reports via email.

Industrial/Predictive Maintenance—Wide temperature range is suitable for most industrial applications.



Industrial/Predictive Maintenance	Temp. Range	Thermal Sensitivity	IR Detector Res.	Voice/Text Annotation And Video Recording	Thermal Fusion	Picture In Picture	Laser Sighting	Temp. Accuracy	Mfr. Model	Item No.	\$ Each	Item No.	\$ Each
-4° to 1202°F (-20° to 650°C)	70 mK	160 x 120 (19,200) Pixels	Yes	No	Yes	Yes	Yes	±2%	FLIR E40	6FYD5 ✓	4,604.00	6FYD6 ✓	5,044.00
-4° to 1202°F (-20° to 650°C)	50 mK	240 x 180 (43,200) Pixels	Yes	Yes	Yes	Yes	Yes	±2%	FLIR E50	6FYD7 ✓	6,918.00	6FYD8 ✓	7,364.00
-4° to 1202°F (-20° to 650°C)	50 mK	320 x 240 (76,800) Pixels	Yes	Yes	Yes	Yes	Yes	±2%	FLIR E60	6FYD9 ✓	9,151.00	6FYE0 ✓	9,510.00

Unimount 3-Phase NEMA Premium® Motors

**NEMA
Premium™**

- Enclosure: totally enclosed fan-cooled
- Service factor: 1.25
- Bearings: ball
- Thermal protection: none
- Insulation: Class F
- Inverter rated
- Max. ambient: 40°C
- Rotation: CW/CCW
- Warranty: 2-yr.

Feature optimized slot design and low-loss stator laminating for greater efficiency. High temperature pulse endurance performance and superior mechanical shear stability.

Steel frame. 60/50 Hz. Painted epoxy finish resists corrosion from saltwater.


Face-Mount
Base-Mount
Face/Base-Mount

HP	Nameplate RPM	NEMA Frame	Voltage	Full Load Amps	Overall Length	Mfr. Model	Item No.	\$ Each	Base-Mount (Cont.) Aluminum (Cont.)								
									Nameplate RPM	NEMA Frame	Voltage	Full Load Amps	Overall Length	Mfr. Model	Item No.	\$ Each	
Face-Mount Steel																	
1	1800	143TC	208-230/460	3.1-3.0/1.5	12 1/8"	U1E2DCR	23J924	✓	427.75					U1P5P1AF	23J878	✓	1,883.00
1 1/2	1800	145TC	208-230/460	4.6-4.3/2.2	12 1/8"	U3E2E2DCR	23J922	✓	435.25					U1P5P1D	23J877	✓	2,179.00
2	1800	145TC	208-230/460	6.1-5.9/2.9	12 1/8"	U2E2DCR	23J923	✓	504.50					U1P5P2D	23J878	✓	1,961.00
3	3600	145TC	208-230/460	8.5-7.3/3.6	13 7/8"	U3E1A14CR	23J924	✓	578.50					U2O5P1D	23J879	✓	2,822.00
Aluminum																	
3	3600	182TC	208-230/460	8.7-8/4	16 1/8"	U3E1DCR	23J925	✓	723.00					U2O5P1D	23J881	✓	3,456.00
	3600	182TCH	208-230/460	8.7-8/4	16 1/8"	U3E1DKR	23J926	✓	723.00					U2S5P1D	23J882	✓	3,458.00
	1800	182TC	208-230/460	8.5-7.9/3.9	16 1/8"	U3E2DCR	23J927	✓	647.50					U2S5P2D	23J883	✓	2,940.00
	1200	213TC	208-230/460	9.7-9.1/4.5	18 1/8"	U3E3DCR	23J928	✓	954.50					U2S5P2DS	23J884	✓	2,940.00
5	3600	184TC	208-230/460	13.8-12.3/6.1	16 1/8"	U5E1DCR	23J929	✓	866.00					U3O5P2D	23J885	✓	3,317.00
	1800	184TC	208-230/460	14.0-12.7/6.3	16 1/8"	U5E2DCR	23J930	✓	741.50					U3O5P2DS	23J886	✓	3,317.00
	1800	184TC	208-230/460	14.0-12.7/6.3	16 1/8"	U5E2DCR	23J931	✓	741.50								
	1200	215TC	208-230/460	15.6-14.5/7.3	20 1/8"	U5E3DCR	23J932	✓	1,351.00								
7 1/2	3600	213TC	208-230/460	20.4-18/4.9/2	18 1/8"	U7E1DCR	23J933	✓	1,101.00								
1200	254TC	208-230/460	20.8-18/8.9/4	18 1/8"	U7E2DCR	23J934	✓	977.50									
	3600	215TC	208-230/460	26.7-23/8.2/11.9	20 1/8"	U10E1DCR	23J935	✓	1,921.00								
10	1800	215TC	208-230/460	27.2-24/6.12/3	20 1/8"	U10E2DCR	23J937	✓	1,118.00								
	1200	256TC	208-230/460	27.5-25/12.5	25 1/8"	U10E3DCR	23J938	✓	2,185.00								
15	3600	254TC	208-230/460	40-35/17.6	23 1/8"	U15E1DCR	23J939	✓	1,907.00								
	1800	254TC	208-230/460	41-37/18.5	23 1/8"	U15E2DCR	23J940	✓	1,733.00								
20	3600	256TC	208-230/460	53-47/23.4	25 1/8"	U20E1DCR	23J941	✓	2,406.00								
	1800	256TC	208-230/460	54-49/24.3	25 1/8"	U20E2DCR	23J942	✓	2,135.00								
25	3600	284TC	208-230/460	67-59/29.6	28 1/8"	U25E2DCR	23J943	✓	2,551.00								
30	1800	286TC	208-230/460	80-72/36	28 1/4"	U30E2DCR	23J944	✓	2,888.00								
Base-Mount Steel																	
1	1800	143T	208-230/460	3.1-3/1.5	12 1/8"	U1P2D	23J854	✓	461.25								
	1200	145T	208-230/460	3.6-3.5/1.8	12 1/8"	U1P3D	23J855	✓	637.50								
1 1/2	3600	143T	208-230/460	4.2-3.9/1.9	13"	U3P2P1D	23J856	✓	507.50								
	1800	145T	208-230/460	4.5-4.3/2.1	13"	U3P2P2D	23J857	✓	493.00								
2	3600	145T	208-230/460	5.4-4.9/2.5	13"	U2P1D	23J859	✓	609.00								
3	3600	145T	208-230/460	5.9-5.7/2.8	13"	U2P2D	23J860	✓	550.50								
Aluminum																	
1 1/2	1200	182TC	208-230/460	4.8-4.7/2.3	16 1/8"	U3P2P3D	23J858	✓	793.50								
2	1200	184TC	208-230/460	6.4-6.2/3.1	16 1/8"	U2P2P3D	23J861	✓	866.00								
	3600	182TC	208-230/460	8.4-7.8/3.9	16 1/8"	U3P1D	23J863	✓	808.50								
	1800	182TC	208-230/460	8.4-7.8/3.9	16 1/8"	U3P2D	23J864	✓	693.50								
3	1200	213TC	208-230/460	9.3-8.6/4.3	18 1/8"	U3P3D	23J865	✓	1,083.00								
	1800	184TC	208-230/460	13.4-12/2.6/1	16 1/8"	U5P1D	23J866	✓	1,066.00								
5	1800	184TC	208-230/460	13.6-12/3.6/2	17"	U5P2D	23J867	✓	836.00								
	1200	215TC	208-230/460	15-17/4.7	20 1/8"	U5P3D	23J868	✓	1,662.00								
	3600	213TC	208-230/460	19.9-17/8.9/8	18 1/8"	U7P1D	23J869	✓	1,299.00								
7 1/2	3600	184TC	208-230/460	19.9-17/8.9/8	18 1/8"	U7P1AF	23J870	✓	1,158.00								
	1800	213TC	208-230/460	20-18/2.9/1	18 1/8"	U7P2D	23J871	✓	1,155.00								
	1200	254TC	208-230/460	20.6-19/9.5	23 1/8"	U7P3D	23J872	✓	2,023.00								
10	3600	215TC	208-230/460	26.4-23.5/11.8	20 1/8"	U10P1D	23J873	✓	1,584.00								
	1800	215TC	208-230/460	26.5-23.9/12	20 1/8"	U10P2D	23J874	✓	1,398.00								
	1200	256TC	208-230/460	27.1-24.6/12.3	25 5/8"	U10P3D	23J875	✓	2,597.00								

Motor Brake Kits

- IP23, rolled steel enclosure
- 1 to 30 HP
- 1200 to 3600 rpm
- 3-phase, 230/460V
- Kit easily installs on back of motor to convert from unit-mount to brake-mount use. Kit size is determined by NEMA frame and ft.-lb. of static torque required for the application. Include mounting hardware.
- Note: A start/stop cycle of no more than 1 stop per minute is acceptable for these brakes when used with a motor and reducer.


No. 23J945

1-800-GRAINGER



3-Phase, Totally Enclosed Fan-Cooled Metric Motors



FOOT-MOUNT AND FOOT/B5 FLANGE-MOUNT MOTORS

- Insulation class: F
- Voltage: 460V
- Max. ambient: 40°C
- Thermal protection: None
- Rotation: CW/CCW

IEC motors exceed NEMA premium and IE3 efficiency levels. IP55 enclosures are excellent for use in dirty/dusty

environments. Aluminum frame models have repositionable mounting feet that allow multimounting, as well as F1, F2, and F3 positioning. Flange-mount units have a B5 mount/FF flange.

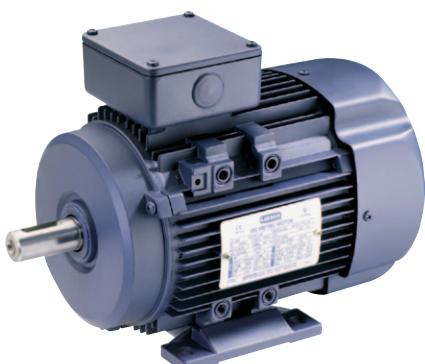
FLANGE KITS

Use to convert a nonflanged motor to a flanged unit. Include bolts.

HP	kW	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Bearings	Frame Material	Mfr. Model	Item No.	\$ Each
Foot-Mount											
1	0.75	3400	80	460V	1.42	1.15	Shielded	Aluminum	.7536EP3WAL80	100845	✓ 362.25
	0.75	1730	80	460V	1.41	1.15	Shielded	Aluminum	.7518EP3WAL80	100844	✓ 346.50
	0.75	1155	90S/L	460V	1.68	1.25	Shielded	Aluminum	.7512ET3WAL90S	100846	✓ 562.50
	1.1	3410	80	460V	2.07	1.15	Shielded	Aluminum	.00136EP3WAL80	100851	✓ 396.50
1 1/2	1.1	1760	90S/L	460V	2.05	1.25	Shielded	Aluminum	.00118ET3WAL90S	100849	✓ 503.50
	1.1	1150	100L	460V	2.31	1.25	Shielded	Aluminum	.0012ET3WAL100L	100848	✓ 781.00
	1.1	860	100L	460V	3.26	1.15	Shielded	Aluminum	.00109EP3WAL100L	100847	✓ 802.50
	1.5	3485	90S/L	460V	2.69	1.25	Shielded	Aluminum	.00156ET3WAL90S	100852	✓ 526.50
2	1.5	1755	90L	460V	2.79	1.25	Shielded	Aluminum	.00158ET3WAL90L	100853	✓ 543.50
	1.5	1155	90L	460V	2.79	1.25	Shielded	Cast-Iron	.00158ET3W01L-W22	10G855	✓ 562.50
	1.5	1155	100L	460V	3.15	1.25	Shielded	Aluminum	.00152ET3WAL100L	10G857	✓ 850.00
	1.5	870	112M	460V	4.08	1.15	Shielded	Aluminum	.00159EP3YAL112M	100854	✓ 912.50
	2.2	3480	90L	460V	3.85	1.25	Shielded	Aluminum	.00236ET3WAL90L	10G862	✓ 771.00
3	2.2	1745	100L	460V	4.05	1.25	Shielded	Cast-Iron	.00218ET3W100L-W22	10G864	✓ 676.50
	2.2	1175	132S	460V	4.41	1.25	Shielded	Aluminum	.00212ET3YAL132S	10G860	✓ 1,221.00
	3	3510	100L	460V	5.01	1.25	Shielded	Aluminum	.00336ET3WAL100L	10G868	✓ 860.50
4	3	1740	100L	460V	5.39	1.25	Shielded	Aluminum	.00318ET3WAL100L	10G867	✓ 683.50
	3	1170	132M	460V	6.01	1.25	Shielded	Aluminum	.00312ET3YAL132M	10G866	✓ 1,305.00
	4	3505	112M	460V	6.67	1.25	Shielded	Aluminum	.00436ET3YAL112M	10G871	✓ 890.00
5 1/2	4	1755	112M	460V	7.1	1.25	Shielded	Cast-Iron	.00418ET3Y112M-W22	10G872	✓ 741.00
	4	1165	132M	460V	7.90	1.25	Shielded	Aluminum	.00412ET3YAL132M	10G869	✓ 1,279.00
	5.5	3530	132S	460V	8.97	1.25	Shielded	Aluminum	.00536ET3YAL132S	10G875	✓ 1,164.00
7 1/2	5.5	1765	132S	460V	9.07	1.25	Shielded	Cast-Iron	.00518ET3Y132S-W22	10G876	✓ 972.00
	5.5	1180	160M	460V	9.48	1.25	Shielded	Cast-Iron	.00512ET3Y160M-W22	10G877	✓ 1,844.00
	7.5	3535	132S	460V	12.3	1.25	Shielded	Aluminum	.00736ET3YAL132S	10G880	✓ 1,353.00
10	7.5	1770	132M	460V	12.2	1.25	Shielded	Cast-Iron	.00718ET3Y132M-W22	10G882	✓ 1,211.00
	7.5	1180	160M	460V	13.1	1.25	Regreasable	Cast-Iron	.00712ET3Y160M-W22	10G881	✓ 2,415.00
	11	3555	160M	460V	17.9	1.25	Regreasable	Cast-Iron	.01136ET3Y160M-W22	10G886	✓ 2,244.00
15	11	1775	160M	460V	18.2	1.25	Regreasable	Cast-Iron	.01118ET3Y160M-W22	10G885	✓ 1,807.00
	11	1180	160L	460V	18.8	1.25	Regreasable	Cast-Iron	.0112ET3Y160L-W22	10G884	✓ 3,309.00
	15	3550	160M	460V	24.4	1.25	Regreasable	Cast-Iron	.01536ET3Y160M-W22	10G889	✓ 2,529.00
20	15	1775	160L	460V	25.0	1.25	Regreasable	Cast-Iron	.01518ET3Y160L-W22	10G888	✓ 2,156.00
	15	1180	180L	460V	24.7	1.25	Regreasable	Cast-Iron	.01512ET3Y180L-W22	10G887	✓ 4,065.00
	18.5	3550	160L	460V	29.9	1.25	Regreasable	Cast-Iron	.01836ET3Y160L-W22	10G892	✓ 3,063.00
25	18.5	1775	180M	460V	30.6	1.25	Regreasable	Cast-Iron	.01818ET3Y180M-W22	10G891	✓ 2,869.00
	18.5	1180	200L	460V	30.8	1.25	Regreasable	Cast-Iron	.01812ET3Y200L-W22	10G890	✓ 5,115.00
	22	3555	180M	460V	34.7	1.25	Regreasable	Cast-Iron	.02236ET3Y180M-W22	10G897	✓ 3,655.00
30	22	1775	180L	460V	36.0	1.25	Regreasable	Cast-Iron	.02218ET3Y180L-W22	10G896	✓ 3,378.00
	22	1180	200L	460V	37.1	1.25	Regreasable	Cast-Iron	.02212ET3Y200L-W22	10G895	✓ 5,154.00
40	30	3565	200L	460V	47.1	1.25	Regreasable	Cast-Iron	.03036ET3Y200L-W22	10G901	✓ 5,107.00
	30	1780	200L	460V	49.4	1.25	Regreasable	Cast-Iron	.03018ET3Y200L-W22	10G899	✓ 4,514.00
50	37	3565	200L	460V	57.7	1.25	Regreasable	Cast-Iron	.03736ET3Y200L-W22	10G903	✓ 5,583.00
	37	1780	225S/M	460V	58.5	1.25	Regreasable	Cast-Iron	.03718ET3Y225S/M-W22	10G902	✓ 7,106.00
Foot/B5 Flange-Mount											
1 1/2	1.1	1760	90S/L	460V	2.05	1.25	Shielded	Aluminum	.00118ET3WAL90SF	100850	✓ 554.00
2	1.5	3485	90S	460V	2.69	1.25	Shielded	Aluminum	.00156ET3WAL90SF	10G856	✓ 601.50
	1.5	1755	90L	460V	2.79	1.25	Shielded	Aluminum	.00158ET3WAL90LF	100855	✓ 658.50
3	2.2	3480	90L	460V	3.85	1.25	Shielded	Aluminum	.00236ET3WAL90LF	10G863	✓ 853.00
7 1/2	5.5	3530	132S	460V	8.97	1.25	Shielded	Aluminum	.00536ET3YAL132SF	10G873	✓ 1,281.00
25	18.5	3550	160L	460V	29.9	1.25	Regreasable	Cast-Iron	.01836ET3Y160LFF-W22	10G894	✓ 3,187.00
	18.5	1775	180M	460V	30.6	1.25	Regreasable	Cast-Iron	.01818ET3Y180MFF-W22	10G893	✓ 3,015.00
30	22	1775	180L	460V	36.0	1.25	Regreasable	Cast-Iron	.02218ET3Y180LFF-W22	10G898	✓ 3,518.00
	37	3565	200L	460V	57.7	1.25	Regreasable	Cast-Iron	.03736ET3Y200LFF-W22	10G904	✓ 6,059.00

NEMA/IEC Frame	Inside Dia.	Outside Dia.	Rabbet Dia.	L	Threads (In.)	Mfr. Model	Item No.	\$ Each
Flange Kits								
63	2.36"	3.54"	2.36"	3.54"	M5	FLC-IM63DIN	366525	39.60
71	2.76"	4.13"	2.76"	4.13"	M6	FLC-IM71DIN-BC-W22	366526	43.60
80	3.15"	4.73"	3.15"	4.73"	M6	FLC-IM80DIN-BC	366527	45.70
90	3.74"	5.51"	3.74"	5.51"	M8	FLC-IM90DIN-UBC	366528	86.25
100	4.33"	6.30"	4.33"	6.30"	M8	FLC-IM100DIN-UBC	366529	129.85
112	4.33"	6.30"	4.33"	6.30"	M8	FLC-IM112DIN-UBC-W22	366530	147.05
132	5.12"	7.87"	5.12"	7.87"	M10	FLC-IM132DIN-UBC	366531	152.25
160	7.09"	9.84"	7.09"	9.84"	M12	FLC-IM160DIN-W22	366532	198.00
63	2.36"	3.54"	2.36"	3.54"	M5	FLC-IM63DIN-AL	366533	39.60
71	2.76"	4.13"	2.76"	4.13"	M6	FLC-IM71DIN-AL-BC	366534	43.60
80	3.15"	4.73"	3.15"	4.73"	M6	FLC-IM80DIN-AL-BC	366535	45.70
90	3.74"	5.51"	3.74"	5.51"	M8	FLC-IM90DIN-AL-UBC	366536	86.25
100	4.33"	6.30"	4.33"	6.30"	M8	FLC-IM100DIN-AL-UBC	366537	129.85
112	4.33"	6.30"	4.33"	6.30"	M8	FLC-IM112DIN-AL-UBC	366538	147.05
132	5.12"	7.87"	5.12"	7.87"	M10	FLC-IM132DIN-AL-UBC	366539	152.25
Flange Kits (Cont.)								
71	4.33"	6.30"	4.33"	6.30"	M10	FLF-IM71-BC-W22	366540	73.05
80	5.12"	7.87"	5.12"	7.87"	M12	FLF-IM80-BC	366541	97.35
90	5.12"	7.87"	5.12"	7.87"	M12	FLF-IM90-UBC	366542	99.45
100	7.09"	9.84"	7.09"	9.84"	M15	FLF-IM100-UBC	366543	171.50
112	7.09"	9.84"	7.09"	9.84"	M15	FLF-IM112-UBC-W22	366544	173.75
132	9.06"	11.81"	9.06"	11.81"	M15	FLF-IM132-UBC	366545	186.75
160	9.84"	13.78"	9.84"	13.78"	M19	FLF-IM160-W22	366546	248.75
180	9.84"	13.78"	9.84"	13.78"	M19	FLF-IM180	366547	322.75
71	4.33"	6.30"	4.33"	6.30"	M10	FLF-IM71-AL-BC	366548	73.05
80	5.12"	7.87"	5.12"	7.87"	M12	FLF-IM80-AL-BC	366549	97.35
90	5.12"	7.87"	5.12"	7.87"	M12	FLF-IM90-AL-UBC	366550	99.45
100	7.09"	9.84"	7.09"	9.84"	M15	FLF-IM100-AL-UBC	366551	171.50
112	7.09"	9.84"	7.09"	9.84"	M15	FLF-IM112-AL-UBC	366552	173.75
132	9.06"	11.81"	9.06"	11.81"	M15	FLF-IM132-AL-UBC	366553	186.75

For IEC guidelines, see page 6.



B3 Foot Mount



B3/B5 D-Flange Mount



B3/B14 C-Face Mount

3-Phase IEC Metric Base- and Face-Mount Motors

- Enclosure: IP55
- Service factor: 1.15
- Insulation: Class F
- Voltage: 230/460 at 60Hz, 200/400 at 50Hz
- Max. ambient: 40°C
- Thermal protection: none
- Bearings: ball
- Rotation: CW/CCW

Steel fan cover and low-noise fan maximize airflow efficiency. Inverter-Rated Insulation System (IRIS™) provides protection against voltage spikes induced by variable frequency drives. Oil seals on both drive end and nondrive end. Multimount repositionable feet (aluminum frame units only) allow 3 conduit box positions. Terminal boards included. Suitable as replacement motors for machine tools, textile machinery, and other equipment with metric dimensions. UL Recognized, CSA Certified, and CE Compliant.

HP kW	Nameplate RPM*	Full Load Amps	B3 Foot Mount			\$ Each	B3/B5 D-Flange Mount			\$ Each	B3/B14 C-Face Mount			\$ Each	
			NEMA/ IEC Frame	Mfr. Model	Item No.		NEMA/ IEC Frame	Mfr. Model	Item No.		NEMA/ IEC Frame	Mfr. Model	Item No.		
Aluminum Frame															
1/4	0.19	3600	0.84/0.42	—	—	—	—	—	—	—	D63C	192017.00	3GVP4	✓ 178.25	
	0.19	1800	1.0/0.5	D63	192011.00	2NB50	✓ 205.25	—	—	—	D63C	192018.00	2NE16	✓ 230.00	
	0.19	1200	1.16/0.58	D71	192012.00	3GVK3	231.00	—	—	—	D71C	192019.00	3GVP5	✓ 235.75	
1/3	0.25	3600	1.7/1.55	D63	192020.00	3GVK4	✓ 187.25	—	—	—	D63C	192027.00	2NE18	✓ 258.75	
	0.25	1800	1.4/0.7	D71	192021.00	3GVK5	✓ 203.25	D71D	192025.00	3GVN3	✓ 231.00	D71C	192028.00	2NE20	✓ 258.25
	0.25	1200	1.3/0.65	D80	192022.00	3GVK6	233.50	D80D	192026.00	3GVN4	✓ 244.75	D80C	192029.00	3GVP6	✓ 244.75
1/2	0.37	3600	1.6/0.8	D71	192030.00	3GVK7	✓ 195.00	D71D	192034.00	3GVN5	✓ 208.25	D71C	192037.00	3GVP7	✓ 187.25
	0.37	1800	1.8/0.9	D71	192031.00	2NB52	✓ 251.25	D71D	192035.00	2NB76	✓ 258.00	D71C	192038.00	2NE22	✓ 269.50
	0.37	1200	1.9/0.95	D80	192032.00	3GVK8	✓ 274.00	—	—	—	D80C	192039.00	3GVP8	✓ 274.00	
3/4	0.56	3600	2.4/1.2	D71	192040.00	3GVK9	✓ 219.75	D71D	192044.00	2NB78	✓ 279.50	D71C	192047.00	3GVP9	✓ 207.25
	0.56	1800	2.5/1.25	D80	192041.00	3GVL1	✓ 277.00	D80D	192045.00	3GVN6	✓ 293.25	D80C	192048.00	3GVR1	✓ 260.00
	0.56	1200	2.7/1.35	D80	192042.00	3GVL2	✓ 329.75	D80D	192046.00	3GVN7	✓ 325.50	D80C	192049.00	3GVR2	✓ 310.50
1	0.75	3600	2.8/1.4	D80	192050.00	3GVL3	✓ 264.50	D80D	192054.00	3GVN8	✓ 262.00	D80C	192057.00	2NE24	✓ 295.00
	0.75	1800	3.2/1.6	D80	192051.00	2NB54	✓ 292.00	D80D	192055.00	2NB80	✓ 319.00	D80C	192058.00	2NE26	✓ 309.50
	0.75	1200	3.2/1.6	D90S	192200.00	5PGH2	✓ 401.75	D90SD	192201.00	5PGH3	✓ 429.50	—	—	—	—
1 1/2	1.12	3600	4.0/2.0	D80	192060.00	3GVL5	✓ 311.25	D80D	192064.00	2NB84	✓ 350.00	D80C	192067.00	3GVR3	✓ 305.00
	1.12	1800	4.2/2.1	D90S	192202.00	5PGH4	✓ 391.75	D90SD	192203.00	5PGH5	✓ 401.75	D90SC	192204.00	5PGH6	✓ 373.75
2	1.49	3600	5.0/2.5	90L	192208.00	11N103	✓ 332.25	D90SD	192210.00	11N104	✓ 370.50	D90SC	192213.00	11N105	✓ 332.00
	1.49	1800	5.4/2.7	D90L	192205.00	5PGH7	✓ 418.75	D90LD	192206.00	5PGH8	✓ 432.25	D90LC	192207.00	5PGH9	✓ 412.50
3	2.24	3600	7.2/3.6	90L	192209.00	11N106	✓ 399.75	D90LD	192211.00	11N107	✓ 399.00	D90LC	192214.00	11N108	✓ 351.50

* Synchronous speeds.



No. 3GVN9



No. 3GVL8

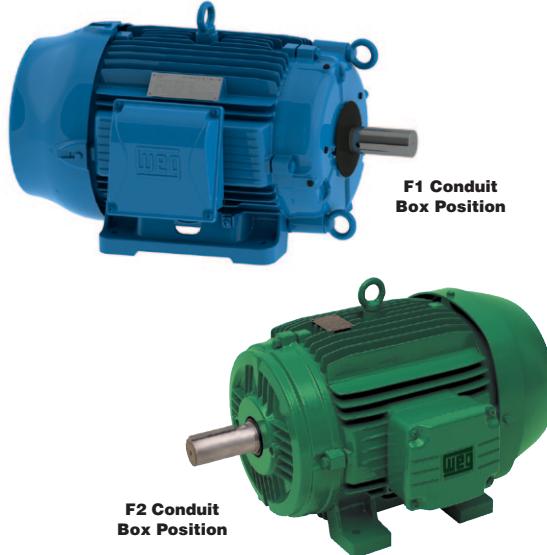
Flange Kits

Convert B3 foot-mount IEC motors to flange-mount. Each kit comes fitted with oil seals and has all of the necessary hardware for easy field mounting.

Description	Converts B3 Rigid Mount Motor to B5 Flange Mount			Converts B3 Rigid Mount Motor to B14 Flange Mount			B14 Reduced Dia. Flange Kits Converts From Converts To Item No. Mr. Model \$ Each	
	NEMA/ IEC Frame	Mfr. Model	Item No.	\$ Each	NEMA/ IEC Frame	Mfr. Model	Item No.	\$ Each
B5/B14 Flange Kits	D63	175850.00	3GVN9	21.61	D63	175851.00	3GVR8	17.15
B5/B14 Flange Kits	D71	175852.00	3GVP1	26.80	D71	175853.00	3GVR9	19.52
B5/B14 Flange Kits	D80	175854.00	3GVP2	38.95	D80	175855.00	3GVT1	21.37
B5/B14 Flange Kits	D90	175856.00	3GVP3	39.75	D90	175857.00	3GVT2	24.39
D63 Frame Flange	D63	175900.00	3GVL8	22.15	D63	175901.00	3GVL9	21.61
D71 Frame Flange	D71	175902.00	3GVL1	24.19	D71	175903.00	3GVL2	27.65
D80 Frame Flange	D80	175904.00	3GVL3		D80	175905.00	3GVL4	
D90 Frame Flange	D90	175906.00	3GVL5		D90	175907.00	3GVL6	

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER


WEG **NEMA**
Premium

3-Phase NEMA Premium® Energy-Efficient Cooling Tower Motors

- Enclosure: totally enclosed fan-cooled
- Service factor: 1.25
- Mounting: rigid base
- Insulation: Class F, with B temperature rise for longer life
- Max. ambient: 40°C
- Thermal protection: none
- Bearings: ball
- Rotation: CW/CCW
- Inverter rated, 1000:1 variable torque
- Frame material: cast-iron
- Warranty: 3 yr.

Durable synthetic enamel alkyd resin paint resists corrosion. V-ring slingers and umbrella seal on both endshields protect bearings from moisture and contaminants. Multiple endbell drains provide for shaft-up, -down, or -horizontal mounting. Motors include threaded conduit box with automatic drain and rubber lead separators at the motor frame. Stainless steel laser-etched nameplate maintains information over long life. Motors are suitable for operation in 100% humidity and corrosive environments. For use in cooling tower applications where the motor is mounted in the airstream. Meet IP55 enclosure rating. UL Recognized and CSA Certified.

Note: Motors are suitable for use at 50 Hz at rated HP and 1.25 service factor.

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Nom. Efficiency	Overall Length	Mfr. Model	Item No.	\$ Each
F1 Conduit Box Position									
1	1760	143T	208-230/460	3.07-2.82/1.41	85.5	12 3/8"	00118ET3ECT143TF1-W2	19C670	✓ 713.00
	1755	145T	200	4.65	86.5	13 3/8"	00158ET3PCT145TF1-W2	19C671	✓ 744.00
	1755	145T	208-230/460	4.36-4.04/2.02	86.5	13 3/8"	00158ET3ECT145TF1-W2	19C672	✓ 744.00
2	1750	145T	200	6.0	86.5	13 3/8"	00218ET3PCT145TF1-W2	19C673	✓ 829.00
	1750	145T	208-230/460	5.77-5.22/2.61	86.5	13 3/8"	00218ET3ECT145TF1-W2	19C674	✓ 829.00
3	1760	182T	200	8.92	89.5	14 1/8"	00318ET3PCT182TF1-W2	19C675	✓ 861.00
	1760	182T	208-230/460	8.58-7.76/3.88	89.5	14 1/8"	00318ET3ECT182TF1-W2	19C676	✓ 861.00
5	1755	184T	200	14.8	89.5	15 7/8"	00518ET3PCT184TF1-W2	19C677	✓ 986.00
	1755	184T	208-230/460	14.3/12.9-6.45	89.5	15 7/8"	00518ET3ECT184TF1-W2	19C678	✓ 1,005.00
7 1/2	1765	213T	200	20.7	91.7	18"	00718ET3PCT213TF1-W2	19C679	✓ 1,426.00
	1765	213T	208-230/460	19.0-18.0/9.0	91.7	18"	00718ET3ECT213TF1-W2	19C680	✓ 1,453.00
10	1760	215T	200	28.5	91.7	19 1/8"	01018ET3PCT215TF1-W2	19C681	✓ 1,628.00
	1760	215T	208-230/460	27.4-24.8/12.4	91.7	19 1/8"	01018ET3ECT215TF1-W2	19C682	✓ 1,628.00
15	1775	256T	208-230/460	28.5-25.8/12.9	91.0	25"	0102ET3ECT256TF1-W2	19C683	✓ 3,033.00
	1765	254T	200	41.4	92.4	23 1/4"	01518ET3PCT254TF1-W2	19C684	✓ 2,340.00
20	1765	256T	208-230/460	39.8-36.0/18.0	92.4	23 1/4"	01518ET3ECT254TF1-W2	19C685	✓ 2,384.00
	1765	256T	200	55.4	93.0	25"	02018ET3PCT256TF1-W2	19C686	✓ 2,807.00
25	1765	284T	208-230/460	53.3-48.2/24.1	93.0	25"	02018ET3ECT256TF1-W2	19C687	✓ 2,807.00
	1765	284T	200	67.9	93.6	26 7/16"	02518ET3PCT284TF1-W2	19C688	✓ 3,423.00
30	1765	286T	208-230/460	65.2-59.0/29.5	93.6	26 7/16"	02518ET3PCT284TF1-W2	19C689	✓ 3,423.00
	1765	286T	200	80.7	93.6	27 7/8"	03018ET3PCT286TF1-W2	19C690	✓ 3,953.00
40	1775	324T	208-230/460	111	94.1	29 5/8"	04018ET3PCT324TF1-W2	19C692	✓ 5,080.00
	1775	324T	208-230/460	107.96-4/48.2	94.1	29 5/8"	04018ET3ECT324TF1-W2	19C693	✓ 5,080.00
F2 Conduit Box Position									
1	1765	143T	208-230/460	3.2-2.9/1.45	85.5	12 3/8"	00118ET3ECT143T-W2	6EGP2	✓ 713.50
	1150	145T	208-230/460	3.8-3.5/1.75	82.5	13 3/8"	00112ET3ECT145T-W2	6EGP3	✓ 720.50
1 1/2	1760	145T	208-230/460	4.4-4.0/2.0	86.5	13 3/8"	00158ET3ECT145T-W2	6EGP4	✓ 766.00
	1165	182T	208-230/460	5.3-4.8/2.4	87.5	14 1/8"	00152ET3ECT182T-W2	6EGP5	✓ 978.00
2	1755	145T	208-230/460	5.8-5.3/2.65	86.5	13 3/8"	00218ET3ECT145T-W2	6EGP6	✓ 824.50
	1165	184T	208-230/460	7.1-6.5/3.25	88.5	15 7/8"	00212ET3ECT184T-W2	6EGP7	✓ 1,061.00
3	1760	182T	208-230/460	8.6-7.8/3.9	89.5	14 7/8"	00318ET3ECT182T-W2	6EGP8	✓ 867.00
	1170	213T	208-230/460	9.8-8.8/4.4	89.5	18 1/4"	00312ET3ECT213T-W2	6EGP9	✓ 1,437.00
5	1755	184T	200	14.7	89.5	15 7/8"	00518ET3PCT184T-W2	6EGR0	✓ 1,074.00
	1755	184T	208-230/460	14.2-12.8/6.4	89.5	15 7/8"	00518ET3ECT184T-W2	6EGR1	✓ 1,023.00
10	1160	215T	200	15.7	89.5	19 1/8"	00512ET3PCT215T-W2	6EGR2	✓ 1,837.00
	1160	215T	208-230/460	15.1-13.7/6.85	89.5	19 1/8"	00512ET3ECT215T-W2	6EGR3	✓ 1,749.00
15	1770	213T	200	21.4	91.7	18 1/4"	00718ET3PCT213T-W2	6EGR4	✓ 1,564.00
	1770	213T	208-230/460	20.5-18.6/9.3	91.7	18 1/4"	00718ET3ECT213T-W2	6EGR5	✓ 1,488.00
20	1170	254T	200	22.4	91	23 1/4"	00712ET3PCT254T-W2	6EGR6	✓ 2,749.00
	1170	254T	208-230/460	21.5-19.5/9.75	91	23 1/4"	00712ET3ECT254T-W2	6EGR7	✓ 2,764.00
25	1765	215T	200	29.0	91.7	19 1/8"	01018ET3PCT215T-W2	6EGR8	✓ 1,778.00
	1765	215T	208-230/460	27.9-25.2/12.6	91.7	19 1/8"	01018ET3ECT215T-W2	6EGR9	✓ 1,693.00
30	1765	256T	200	30.5	91	25"	01012ET3PCT256T-W2	6EGT0	✓ 2,816.00
	1765	256T	208-230/460	29.3-26.5/13.3	91	25"	01012ET3ECT256T-W2	6EGT1	✓ 2,816.00
35	1765	254T	200	41.4	92.4	23 1/4"	01518ET3PCT254T-W2	6EGT2	✓ 2,539.00
	1765	254T	208-230/460	39.8-36.0/18.0	92.4	23 1/4"	01518ET3ECT254T-W2	6EGT3	✓ 2,418.00
40	1180	284T	200	39.8	91.7	26 1/8"	01512ET3PCT284T-W2	6EGT4	✓ 4,066.00
	1180	284T	208-230/460	38.3-34.6/17.3	91.7	26 1/8"	01512ET3ECT284T-W2	6EGT5	✓ 3,873.00
45	1765	256T	200	56.1	93	25"	02018ET3PCT256T-W2	6EGT6	✓ 2,851.00
	1765	256T	208-230/460	54.0-48.8/24.4	93	25"	02018ET3ECT256T-W2	6EGT7	✓ 2,715.00
50	1170	286T	200	55.5	91.7	28"	02012ET3PCT286T-W2	6EGT8	✓ 4,811.00
	1170	286T	208-230/460	53.4-48.3/24.1	91.7	28"	02012ET3ECT286T-W2	6EGT9	✓ 4,582.00
55	1770	284T	200	67.9	93.6	28"	02518ET3PCT284T-W2	6EGU0	✓ 3,589.00
	1770	284T	208-230/460	65.2-59.0/29.5	93.6	28 1/2"	02518ET3ECT284T-W2	6EGU1	✓ 3,418.00
60	1175	324T	200	70.2	93	29 5/8"	02512ET3PCT324T-W2	6EGU2	✓ 5,615.00
	1175	324T	208-230/460	67.5-61.0/30.5	93	29 5/8"	02512ET3ECT324T-W2	6EGU3	✓ 5,347.00
65	1765	286T	200	80.8	93.6	28"	03018ET3PCT286T-W2	6EGU4	✓ 3,872.00
	1765	286T	208-230/460	77.7-70.3/35.1	93.6	28"	03018ET3ECT286T-W2	6EGU5	✓ 3,895.00
70	1175	326T	200	82.2	93	31 1/8"	03012ET3PCT326T-W2	6EGU6	✓ 6,424.00
	1175	326T	208-230/460	79.1-71.5/35.8	93	31 1/8"	03012ET3ECT326T-W2	6EGU7	✓ 6,118.00
75	1775	324T	208-230/460	107.0-96.5/48.3	94.1	29 5/8"	04018ET3ECT324T-W2	6EGU8	✓ 5,379.00
	1185	364T	208-230/460	104.0-94.2/47.1	94.1	33 1/8"	04012ET3ECT364T-W2	6EGU9	✓ 7,820.00
80	1780	326T	208-230/460	134.0-121.6/60.6	94.5	31 1/8"	05018ET3PCT326T-W2	6EGV0	✓ 6,018.00
	1180	365T	208-230/460	128.0-116.0/58.0	94.1	33 1/8"	05012ET3ECT365T-W2	6EGV1	✓ 9,274.00
85	1780	364T	208-230/460	151.0-137.0/68.4	95	33 1/8"	06018ET3PCT364T-W2	6EGV2	✓ 8,268.00
	1180	404T	208-230/460	156.0-141.0/70.4	94.5	39 3/4"	06012ET3ECT404T-W2	6EGV3	✓ 9,553.00
90	1775	365T	208-230/460	182.0-165.0/82.3	95.4	33 1/8"	07518ET3ECT365T-W2	6EGV4	✓ 7,374.00
	1180	405T	208-230/460	192.0-174.0/87.0	94.5	39 3/4"	07512ET3ECT405T-W2	6EGV5	✓ 8,268.00
95	1775	405T	208-230/460	248.0-224.0/112.0	95.4	39 3/4"	10018ET3ECT405T-W2	6EGV6	✓ 8,497.00
100	1190	444T	208-230/460	267.0-242.0/121.0	95	45 1/4"	10012ET3ECT444T-W2	6EGV7	✓ 10,503.00



No. 6AGW5



3-Phase IEEE 841 NEMA Premium® Energy-Efficient Motors



- Frame material: cast-iron
- Enclosure: IP55
- Service factor: 1.25
- Insulation: Class F with B temp. rise for longer life
- 460V
- Bearings: regreaseable ball and roller
- Thermal protection: none
- Inverter rated NEMA MG 1 part 30: 1000:1 variable and 20:1 constant torque
- Max. ambient: 40°C
- Rotation: CW/CCW
- Warranty: 5 yr.
- Roller bearing models for belt drive applications only

These totally enclosed fan-cooled motors are for dusty, dirty, nonhazardous applications, and are especially suited for pulp, paper, and steel mills, petrochemical, and applications requiring severe-duty long-life motors. Internal and external corrosion-resistant finish with stainless steel nameplate. Feature Inpro-seal on drive end, and 50,000-hr. extended bearing life. Nonsparking fan. Meet or exceed IEEE 2001 specification and all NEMA Premium/CEE requirements for energy efficiency. UL Recognized, CSA and CE Certified.

HP	Nameplate RPM	NEMA/IEC Frame	Full Load Amps	Nom. Efficiency	Overall Length	Mfr. Model	Item No.	\$ Each
1	1800	143TC	1.41	85.5%	12½"	00118ST3QIE143TC-W22	12N928	✓ 1,119.00
	1760	143T	1.39	85.5%	12½"	00118ST3QIE143T-W22	6AGU1	✓ 884.50
	1200	145TC	1.73	82.5%	13¾"	00112ST3QIE145TC-W22	12N929	✓ 1,280.00
	3490	143T	1.9	84.0%	12½"	00156ST3QIE143T-W22	6AGU3	✓ 925.50
1½	1800	145TC	2.02	86.5%	13¾"	00158ST3QIE145TC-W22	12N930	✓ 1,187.00
	1755	145T	1.97	86.5%	13¾"	00158ST3QIE145T-W22	6AGU4	✓ 925.50
	1200	182TC	2.39	87.5%	14½"	00152ST3QIE182TC-W22	12N931	✓ 1,554.00
	1165	182T	2.39	87.5%	14½"	00152ST3QIE182T-W22	6AGU5	✓ 1,164.00
2	1800	145TC	2.61	86.5%	13¾"	00218ST3QIE145TC-W22	12N932	✓ 1,234.00
	1750	145T	2.61	86.5%	13¾"	00218ST3QIE145T-W22	6AGU7	✓ 954.00
	1200	184TC	3.23	88.5%	15½"	00212ST3QIE184TC-W22	12N933	✓ 1,643.00
	3510	182T	3.62	86.5%	14½"	00336ST3QIE182T-W22	6AGU9	✓ 1,138.00
3	1800	182TC	3.88	89.5%	14½"	00318ST3QIE182TC-W22	12N934	✓ 1,482.00
	1760	182T	3.88	89.5%	14½"	00318ST3QIE182T-W22	6AGV0	✓ 1,109.00
	1200	213TC	4.41	89.5%	18"	00312ST3QIE213TC-W22	12N935	✓ 1,860.00
	3500	184T	5.91	88.5%	15½"	00536ST3QIE184T-W22	6AGV2	✓ 1,261.00
5	1800	184TC	6.45	89.5%	15½"	00518ST3QIE184TC-W22	12N936	✓ 1,652.00
	1755	184T	6.45	89.5%	15½"	00518ST3QIE184T-W22	6AGV3	✓ 1,250.00
	1200	215TC	6.83	89.5%	19½"	00512ST3QIE215TC-W22	12N937	✓ 2,278.00
	1160	215T	6.83	89.5%	19½"	00512ST3QIE215T-W22	6AGV4	✓ 1,711.00
7½	3520	213T	8.78	89.5%	18½"	00736ST3QIE213T-W22	6AGV5	✓ 1,570.00
	1800	213TC	9.0	91.7%	18"	00718ST3QIE213TC-W22	12N938	✓ 1,985.00
	1765	213T	9.0	91.7%	18½"	00718ST3QIE213T-W22	6AGV6	✓ 1,556.00
	1200	254TC	9.48	91.0%	23¾"	00712ST3QIE254TC-W22	12N939	✓ 3,064.00
10	1175	254T	9.48	91.0%	23¼"	00712ST3QIE254T-W22	6AGV7	✓ 2,302.00
	3515	215T	11.6	90.2%	19½"	01036ST3QIE215T-W22	6AGV8	✓ 1,755.00
	1800	215TC	12.4	91.7%	19½"	01018ST3QIE215C-W22	12N940	✓ 2,116.00
	1760	215T	12.4	91.7%	19½"	01018ST3QIE215T-W22	6AGV9	✓ 1,739.00
15	1200	256TC	12.9	91.0%	25"	01012ST3QIE256TC-W22	12N941	✓ 3,397.00
	1175	256T	12.9	91.0%	25"	01012ST3QIE256T-W22	6AGW0	✓ 2,691.00
	3530	254T	17.0	91.0%	23¼"	01536ST3QIE254T-W22	6AGW1	✓ 2,207.00
	1800	254TC	18.0	92.4%	23½"	01518ST3QIE254TC-W22	12N942	✓ 2,733.00
20	1765	254T	18.0	92.4%	23¼"	01518ST3QIE254T-W22	6AGW2	✓ 2,073.00
	1200	284TC	17.9	91.7%	26½"	01512ST3QIE284TC-W22	12N943	✓ 5,062.00
	3520	256T	23.2	91.0%	25"	02036ST3QIE256T-W22	6AGW4	✓ 2,593.00
	1800	256TC	24.1	93.0%	25"	02018ST3QIE256TC-W22	12N944	✓ 3,124.00
25	1765	256T	24.1	93.0%	25"	02018ST3QIE256T-W22	6AGW5	✓ 2,450.00
	1200	286TC	24.2	91.7%	27½"	02012ST3QIE286TC-W22	12N945	✓ 5,717.00
	1175	286T	24.2	91.7%	27½"	02012ST3QIE286T-W22	6AGW6	✓ 3,661.00
	3535	284TS	28.5	91.7%	25½"	02536ST3QIE284TS-W22	6AGW7	✓ 3,220.00
30	1800	284TC	29.5	93.6%	26½"	02518ST3QIE284TC-W22	12N946	✓ 3,595.00
	1765	284T	29.5	93.6%	26½"	02518ST3QIE284T-W22	6AGW8	✓ 2,908.00
	1200	324TC	30.4	93.0%	29½"	02512ST3QIE324TC-W22	12N947	✓ 6,249.00
	3535	286TS	33.8	91.7%	26½"	03036ST3QIE286TS-W22	6AGX0	✓ 3,506.00
40	1800	286TC	35.1	93.6%	27½"	03018ST3QIE286TC-W22	12N948	✓ 4,264.00
	1765	286T	35.1	93.6%	27½"	03018ST3QIE286T-W22	6AGX1	✓ 3,220.00
	1200	326TC	35.8	93.0%	31½"	03012ST3QIE326TC-W22	12N949	✓ 6,419.00
	1180	326T	35.8	93.0%	31½"	03012ST3QIE326T-W22	6AGX2	✓ 5,143.00
50	1775	324T	48.2	94.1%	29½"	04018ST3QIE324T-W22	6AGX4	✓ 4,235.00
	1180	364/5T	46.5	94.1%	34¼"	04012ST3QIE364T-W22	6AGX5	✓ 7,655.00
	3550	326TS	56.1	93.0%	29½"	05036ST3QIE326TS-W22	6AGX6	✓ 4,973.00
	1775	326T	59.2	94.5%	31½"	05018ST3QIE326T-W22	6AGX7	✓ 4,496.00
60	1180	364/5T	57.4	94.1%	34¼"	05012ST3QIE365T-W22	6AGX8	✓ 8,331.00
	3600	364/5TS	67.0	93.6%	32¼"	06036ST3QIE364TS-W22	15G077	✓ 10,067.00
	3600	364/5TS	81.9	93.6%	32¼"	07536ST3QIE365TS-W22	15G079	✓ 11,861.00
	3600	404/5TS	110	94.1%	36¾"	10036ST3QIE405TS-W22	15G082	✓ 14,877.00
100	1800	404/5T	111	95.4%	39½"	10018ST3QIERB405T-W22	15G081	✓ 13,593.00
	3600	444/5TS	134	95.0%	41½"	12536ST3QIE444TS-W22	15G085	✓ 21,140.00
	1800	444/5T	139	95.4%	45"	12518ST3QIE444T-W22	15G083	✓ 19,244.00
	1800	444/5T	139	95.4%	45"	12518ST3QIERB444T-W22	15G084	✓ 19,244.00
125	3600	444/5TS	161	95.0%	41½"	15036ST3QIE445TS-W22	15G088	✓ 24,898.00
	1800	444/5T	170	95.8%	45"	15018ST3QIE445T-W22	15G086	✓ 21,594.00
	3600	445/7TS	219	95.4%	45"	15018ST3QIERB445T-W22	15G087	✓ 21,594.00
	1800	445/7T	230	96.2%	47½"	20036ST3QIE445T-W22	15G091	✓ 33,186.00
200	1800	445/7T	230	96.2%	47½"	20018ST3QIE445T-W22	15G089	✓ 27,527.00
	1800	445/7T	230	96.2%	47½"	20018ST3QIERB445T-W22	15G090	✓ 27,527.00
	3600	447/9TS	266	95.8%	45"	25036ST3QIE447TS-W22	15G094	✓ 40,266.00
	1800	447/9T	281	96.2%	56½"	25018ST3QIE449T-W22	15G092	✓ 34,942.00
250	1800	447/9T	281	96.2%	56½"	25018ST3QIERB449T-W22	15G093	✓ 32,787.00
	1800	447/9T	330	96.2%	56½"	30018ST3QIE449T-W22	15G095	✓ 42,760.00
	1800	447/9T	330	96.2%	56½"	30018ST3QIERB449T-W22	15G096	✓ 43,099.00
	350	447/9T	394	96.2%	57½"	35018ST3QIE449T-W22	15G097	✓ 48,075.00
300	1800	447/9T	394	96.2%	57½"	35018ST3QIERB449T-W22	15G098	✓ 48,075.00
	1800	447/9T	455	96.2%	57½"	40018ST3QIE449T-W22	15G099	✓ 52,750.00
	1800	447/9T	455	96.2%	57½"	40018ST3QIERB449T-W22	15G101	✓ 52,750.00
	400	447/9T	501	96.2%	57½"	45018ST3QIE449T-W22	15G102	✓ 56,459.00
450	1800	447/9T	501	96.2%	57½"	45018ST3QIERB449T-W22	15G103	✓ 59,500.00

* Roller bearings.

For information on the National Electrical Code explosive atmosphere classifications and temperature codes, see page 6.

1-Phase Hazardous Location Motors

- Type: capacitor-start, except Nos. 1TUK9 and 1TUP2 are split-phase
- Temp. code: T3B
- Max. ambient: 40°C
- Thermal protection: auto, except thermostat for Nos. 2NLE6 and 2NLE9
- Bearings: ball
- Rotation: CW/CCW

marathon™
Motors



Motors have sturdy rolled-steel frames and meet the National Electrical Code for hazardous locations. Unmounted conduit box is included with all 56-frame motors. Use to power fans, blowers, pumps, or air compressors in areas that meet the National Electrical Code for hazardous locations. UL Listed and CSA Certified.

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Insulation Class	Length Less Shaft	Hazardous Location Class & Group	Mfr. Model	Item No.	\$ Each	
Base-Mount												
1/6	1140	56	115	3.8	1.0	B	10 1/8"	1 C,D / 2 E,F,G	56S11E15502	1TUK9	*	578.50
	1725	56	115	5.4	1.0	B	10"	1 C,D / 2 E,F,G	56S17E15501	1TUP2	*✓	433.75
1/4	1725	48	115/208-230	4.8/2.3-2.4	1.0	A	9 1/8"	1 C,D / 2 E,F,G	56C17E15503	1TUL8	*✓	406.00
	1140	56	115/208-230	6.8/3.1-3.4	1.0	B	12"	1 C,D / 2 E,F,G	56C11G15502	3K793	✓	426.00
1/3	3450	56	115/208-230	7.0/3.2-3.5	1.0	B	11 1/8"	1 C,D / 2 E,F,G	56C34G15520	1TUN4	✓	616.50
	1725	56	115/208-230	6.6/3.1-3.3	1.0	B	11 1/8"	1 C,D / 2 E,F,G	56C17G15521	1TUL9	✓	395.75
1/2	3450	56	115/208-230	7.8/3.6-3.9	1.0	B	12"	1 C,D / 2 E,F,G	56C11G15503	1TUL2	✓	632.50
	1140	56	115/208-230	8.4/4.0-4.2	1.0	B	11 1/8"	1 C,D / 2 E,F,G	56C34G15515	1TUN5	✓	526.50
3/4	1725	56	115/208-230	9.6/4.7-4.8	1.0	B	12"	1 C,D / 2 E,F,G	56C17G15523	1TUN1	✓	448.25
	3450	56	115/208-230	10.6/5.3-5.3	1.0	B	12"	1 C,D / 2 E,F,G	56B11G15505	1TUL3	*✓	699.00
1	1725	56	115/208-230	11.0/5.4-5.5	1.0	B	12 1/2"	1 C,D / 2 E,F,G	56C34G15517	1TUN6	✓	687.00
	3450	56	115/208-230	12.4/6.7-6.2	1.0	B	12 1/2"	1 C,D / 2 E,F,G	56C17G15525	1TUN2	✓	579.00
1 1/2	1725	56H	115/208-230	13.6/6.8-6.7	1.0	B	12 1/2"	1 C,D / 2 E,F,G	56C17G15518	1TUN7	✓	850.00
	1725	56H	208-230	8.7-8.4	1.0	B	14 1/2"	1 C,D / 2 E,F,G	56B17G15506	1TUL6	*✓	1,116.00
Face-Mount												
1/4	1140	56CZ	115/208-230	6.8/3.1-3.4	1.0	B	11 1/8"	1 C,D / 2 E,F,G	56C11G15504	1TUL4	*✓	634.50
	3450	56C	115/208-230	7.0/3.2-3.5	1.0	B	11 1/8"	1 C,D / 2 E,F,G	56C34G15521	1TUK4	*✓	749.50
1/3	1725	56C	115/208-230	6.6/3.1-3.3	1.0	B	11 1/8"	1 C,D / 2 E,F,G	56C17G15526	1TUN8	✓	469.25
	3450	56C	115/208-230	8.4/4.0-4.2	1.0	B	11 1/8"	1 C,D / 2 E,F,G	56C34G15514	1TUK5	✓	526.00
1/2	1725	56C	115/208-230	8.8/4.2-4.4	1.0	B	11 1/8"	1 C,D / 2 E,F,G	56C17G15524	1TUN9	✓	490.00
	1140	56CZ	115/208-230	9.6/4.7-4.8	1.0	B	11 1/8"	1 C,D / 2 E,F,G	56B11G15506	1TUL5	*✓	851.00
3/4	3450	56C	115/208-230	10.6/5.3-5.3	1.0	B	11 1/8"	1 C,D / 2 E,F,G	56C34G15516	1TUK6	✓	725.50
	1725	56C	115/208-230	11.0/5.4-5.5	1.0	B	11 1/8"	1 C,D / 2 E,F,G	56C17G15530	1TUP1	✓	595.00
1	3450	56C	115/208-230	12.4/6.7-6.2	1.0	B	11 1/8"	1 C,D / 2 E,F,G	56C34G15513	1TUK7	✓	851.00
1 1/2	1725	56C	115/208-230	13.6/6.8-6.7	1.0	B	11 1/8"	1 C,D / 2 E,F,G	56C17G15516	1TUK8	✓	827.50
Face/Base-Mount												
1/3	1725	56C	115/208-230	6.6/3.1-3.3	1.0	B	11 1/8"	1 C,D / 2 F,G	56C17G5324	2NKY9	✓	532.00
	3450	56C	115/208-230	8.4/4.0-4.2	1.0	B	11 1/8"	1 C,D / 2 F,G	56C34G15523	2NLE7	✓	531.50
1/2	1725	56C	115/208-230	8.8/4.4-4.2	1.15	F	11 1/8"	1 C,D / 2 F,G	56C17G5328	2NKZ1	✓	579.50
	3450	56C	115/208-230	10.6/5.3-5.3	1.0	B	11 1/8"	1 C,D / 2 F,G	56C34G5314	2NKZ2	✓	692.00
1	3450	56C	115/208-230	11.0/5.4-5.5	1.0	B	11 1/8"	1 C,D / 2 F,G	56C17G5326	2NKZ3	✓	717.50
	1725	56C	115/208-230	12.4/6.7-6.2	1.0	B	11 1/8"	1 C,D / 2 F,G	56C34G15524	2NLE8	✓	873.00
1 1/2	1725	56C	115/208-230	13.6/6.8-6.7	1.0	B	11 1/8"	1 C,D / 2 F,G	56C17G5327	2NKZ4	✓	880.50
	1760	143TC	115/208-230	15.6/8.1-7.8	1.15	B	11 1/8"	1 C,D / 2 F,G	143TBGR14033	2NLE9	*✓	1,263.00

* Totally enclosed nonventilated. † Capacitor-start, capacitor-run. ‡ Shaft is 5/8" x 2 1/4".

3-Phase Hazardous Location Motors

- Temp. code: T3B
- Max. ambient: 40°C
- Thermal protection: T Stat
- Bearings: ball, except Nos. 39P306 to 39P308 have ball and roller
- Rotation: CW/CCW

marathon™
Motors



Motors meet or exceed all NEMA Premium/CEE requirements for energy efficiency, except where noted. Ideal for blowers, compressors, fans, and pumps that require an explosionproof rating. External surfaces have epoxy paint to help resist corrosion. Cast-iron frames, except Nos. 39P314, 39P312, and 39P313 are rolled steel. Totally Enclosed Nonventilated motors include an unmounted, explosionproof conduit box. All models are UL Listed and CSA Certified.

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Insulation Class	Length Less Shaft	Hazardous Location Class & Group	Mfr. Model	Item No.	\$ Each		
Face-Mount, Totally Enclosed Nonventilated													
1/4	1725	56C	208-230/460	1.1-1.1/1.55	1.0	B	9 7/8"	1 C,D / 2 F,G	56T17E5310	39P314	*✓	446.50	
Rigid-Mount, Totally Enclosed Nonventilated													
1/4	1735	48	230/460	1.2/2.6	1.0	B	8 1/8"	1 D / 2 F,G	5K32GNB249	39P312	*✓	593.50	
	1725	56	208-230/460	1.1-1.1/1.55	1.0	B	10"	1 C,D / 2 F,G	56T17E5308	39P313	*✓	559.00	
Rigid-Mount, Totally Enclosed Fan-Cooled													
1	1735	143T	208-230/460	3-3/1.5	1.15	F	12 1/2"	1 C,D / 2 F,G	143TTGN6532	39P279	✓	993.00	
	1735	143TC	208-230/460	3-3/1.5&2.8/1.4	1.15	F	13 1/8"	1 D / 2 F,G	143TTGN6551	39P309	✓	908.00	
1 1/2	1155	145T	208-230/460	3.7-3/6.18/8.3/5.1/7.5	1.15	F	12 1/2"	1 D / 2 F,G	145TTGN6576	39P280	✓	993.00	
	3515	143T	208-230/460	4.2-4/2.8/3.4/1.7	1.15	F	11 1/8"	1 D / 2 F,G	143TTGN6501	39P281	✓	882.50	
1 1/2	1755	145T	208-230/460	4.7-4.6/2.3&4.2/2.1	1.15	F	12 1/2"	1 C,D / 2 F,G	145TTGN6532	39P282	✓	1,057.00	
	1755	145TC	208-230/460	4.7-4.6/2.3&4.2/2.1	1.15	F	13 1/8"	1 D / 2 F,G	145TTGN6536	39P310	✓	961.50	
2	3500	145T	208-230/460	5.6-5.2/2.6&4.8/2.4	1.15	F	12 1/2"	1 D / 2 F,G	145TTGN6505	39P283	✓	1,035.00	
	1760	145T	208-230/460	6.2-6/3&5.6/2.8	1.15	F	12 1/2"	1 C,D / 2 F,G	145TTGN6550	39P284	✓	1,121.00	
	1755	145TC	208-230/460	6.2-6/3&5.6/2.8	1.15	F	13 1/8"	1 D / 2 F,G	145TTGN6549	39P311	✓	1,011.00	
30	1773	286T	230/460	73/36.58/54.7/37	1.15	F	22 1/2"	1 C,D / 2 F,G	286TTGN6537	39P285	✓	3,583.00	
	3555	364TS	230/460	134/67	1.15	F	25%	1 C,D / 2 F,G	364TTGS6506	39P286	✓	9,780.00	
60	1780	364T	230/460	138/69	1.15	F	25%	1 C,D / 2 F,G	364TTGS6536	39P287	✓	9,718.00	
	1185	404T	230/460	144/72	1.15	F	28 1/2"	1 C,D / 2 F,G	404TTGS6588	39P288	✓	11,689.00	
75	3555	365TS	230/460	169/84.58/162/81	1.15	F	26%	1 C,D / 2 F,G	365TTGS16503	39P289	✓	11,333.00	
	1782	365T	230/460	174/87/169/84.5	1.15	F	26%	1 C,D / 2 F,G	365TTGS16540	39P290	✓	11,279.00	
1185	405T	230/460	180/90	1.15	F	29%	1 C,D / 2 F,G	405TTGS6589	39P291	✓	13,611.00		
	3565	405TS	230/460	216/108	1.15	F	29%	1 C,D / 2 F,G	405TTGS6503	39P292	✓	15,331.00	
100	1780	405T	230/460	226/113/204/102	1.15	F	32%	1 C,D / 2 F,G	405TTGS6548	39P293	✓	13,912.00	
	1188	444T	230/460	248/124/230/115	1.15	F	32%	1 C,D / 2 F,G	444TGN16580	39P294	✓	19,448.00	
	3575	444TS	460	139/138	1.15	F	34%	1 C,D / 2 F,G	444TSTGN16502	39P295	✓	24,650.00	
125	1785	444T	460	143/138	1.15	F	32%	1 C,D / 2 F,G	444TSTGN16532	39P296	✓	20,417.00	
	1185	445T	460	155	1.15	F	34%	1 C,D / 2 F,G	445TSTGN16597	39P297	✓	22,357.00	
	3575	445TS	460	168	1.15	F	34%	1 C,D / 2 F,G	445TSTGN16505	39P298	✓	28,853.00	
150	1785	445T	460	172/170	1.15	F	34%	1 C,D / 2 F,G	445TGN6542	39P299	✓	21,240.00	
	1190	445T	460	181/180	1.15	F	34%	1 C,D / 2 F,G	445TGN16588	39P301	✓	24,032.00	
	3575	445TS	460	224/205	1.15	F	34%	1 C,D / 2 F,G	445TSTGN16506	39P302	✓	35,205.00	
200	1785	445T	460	224/205	1.15	F	34%	1 C,D / 2 F,G	445TGN6538	39P303	✓	24,079.00	
	1190	447/449T	460	240/220	1.15	F	43 1/2"	1 C,D / 2 F,G	449TTGS16585	39P304	✓	34,171.00	
	3575	447/449TS	460	275/265	1.0	F	43 1/2"	1 C,D / 2 F,G	449TTGS14003	39P305	*✓	35,747.00	
250	1785	447/449T	460	285	1.15	F	43 1/2"	1 C,D / 2 F,G	449TTGS16527	39P306	✓	29,541.00	
	300	1785	447/449T	460	338/342	1.0	F	43 1/2"	1 C,D / 2 F,G	449TTGS7037	39P307	*✓	30,779.00
350	1785	447/449T	460	400	1.0	F	43 1/2"	1 C,D / 2 F,G	449TTGS7036	3			

MOTORS

3-Phase Hazardous-Location Motors



Base-Mount, Cast-Iron



Face/Base-Mount, Cast-Iron

marathon™
Motors

3-Phase Hazardous-Location Motors

- Enclosure: totally enclosed fan-cooled
- 60/50 Hz suitable for 50 Hz operation on 190/380V at next lower HP at same service factor
- Temp. code: T3B
- Max. ambient: 40°C
- Bearings: ball
- Rotation: CW/CCW
- Duty: continuous

Unmounted conduit box is included with all 56 frame motors. Can be used to power fans, blowers, pumps, or air compressors in areas that meet the National Electrical Code for hazardous locations. UL Listed and CSA Certified.

HP	Nameplate RPM	NEMA/IEC Frame	Thermal Protection	Voltage	Hz	Full Load Amps	Service Factor	Insulation Class	Nom. Efficiency	Hazardous Location Class & Group	Mfr. Model	Item No.	\$ Each
Base-Mount, Rolled Steel Frame													
1/3	1725	56	Auto	230/460	60/50	1.2/0.6	1.0	B	74.5%	1 C,D / 2 E,F,G	56T17E15516	1TUE4 †	579.50
	1140	56	Auto	208-230/460	60	1.5-1.5/.75	1.15	B	76.5%	1 C,D / 2 E,F,G	56T11G15515	1TUD1 ✓	637.50
	3450	56	Auto	208-230/460	60	2.1-2.4/1.2	1.0	B	66.5%	1 C,D / 2 E,F,G	56T34G15543	1TUD2 ✓	912.50
1/2	1725	56	Auto	208-230/460	60/50	2.3-2.4/1.2	1.0	B	68.0%	1 C,D / 2 E,F,G	56T17G15550	1TUE5 ✓	572.00
	1140	56	Auto	208-230/460	60	2.4-2.7/1.35	1.15	B	68.0%	1 C,D / 2 E,F,G	56T11G15517	1TUD3 ✓	682.00
	3450	56	Auto	208-230/460	60	3.0-3.2/1.6	1.15	B	74.0%	1 C,D / 2 E,F,G	56T34G15539	1TUD4 ✓	988.00
%	1725	56	Auto	230/460	60/50	3.0/1.5	1.0	B	75.5%	1 C,D / 2 E,F,G	56T17G15551	1TUE6 ✓	596.00
	1140	56H	Auto	208-230/460	60	3.2-3.2/1.6	1.15	B	74.0%	1 C,D / 2 E,F,G	56T11G15518	1TUD6 ✓	725.50
	3450	56	Auto	208-230/460	60	3.9-3.6/1.8	1.15	B	72.5%	1 C,D / 2 E,F,G	56T34G15540	1TUD7 ✓	903.50
1	1765	143T	T Stat	208-230/460	60	3.3-3.3/1.65	1.00	B	85.5%	1 C,D / 2 E,F,G	143TTGR16026	6KWE7 ✓	686.50
	1725	56H	Auto	208-230/460	60	3.4-3.6/1.8	1.0	B	77.0%	1 C,D / 2 E,F,G	56T17G15552	1TUE7 ✓	604.50
	1140	56H	Auto	208-230/460	60	3.6-3.4/1.7	1.15	B	80.0%	1 C,D / 2 E,F,G	56T11G15516	1TUD8 ✓	747.00
	3515	145T	T Stat	208-230/460	60	4.2-4.0/2.0	1.0	B	84.0%	1 C,D / 2 E,F,G	145TTGR16005	6KWG0 ✓	1,032.00
1½	1755	145T	T Stat	208-230/460	60	4.7-4.6/2.3	1.15	F	86.5%	1 C,D / 2 E,F,G	145TTGR16038	6KWF5 ✓	825.00
	1725	56H	Auto	208-230/460	60	4.8-4.8/2.4	1.15	B	80.0%	1 C,D / 2 E,F,G	56T17G15540	1TUE8 ✓	668.00
	3500	145T	T Stat	208-230/460	60	5.6-5/2.5	1.15	F	85.5%	1 C,D / 2 E,F,G	145TTGR16002	6KWF0 ✓	1,125.00
2	1760	145T	T Stat	208-230/460	60	6.2-6/3	1.15	F	88.5%	1 C,D / 2 E,F,G	145TTGR16040	6KWF5 ✓	1,016.00
	1725	56H	Auto	208-230/460	60	6.0-5.8/2.9	1.15	B	82.5%	1 C,D / 2 E,F,G	56T17G15558	1TUD9 ✓	1,013.00
Base-Mount, Cast-Iron Frame													
1½	1175	182/4T	T Stat	208-230/460	60/50	4.8-4.4/2.2	1.15	F	87.5%	1 D / 2 F,G	182TTGN6576	5VYF2 ✓	1,442.00
	3525	182/4T	T Stat	208-230/460	60/50	8.4-7.6/3.8	1.15	F	87.5%	1 D / 2 F,G	182TTGN6501	5VYF0 ✓	1,464.00
3	3480	182TC	T Stat	230/460	60	7.4/3.7	1.15	F	85.5%	1 C,D / 2 F,G	182TTGN4005	6KWF7 ✓	1,690.00
	1765	182/4T	T Stat	230/460	60	8.0/4.0	1.0	B	90.2%	1 C,D / 2 F,G	182TTGN16542	5VYF9 ✓	1,746.00
	1170	213/5T	T Stat	230/460	60/50	8.8/4.4	1.15	F	89.5%	1 D / 2 F,G	213TTGN6576	5VYF2 ✓	2,109.00
	3505	182/4T	T Stat	208-230/460	60/50	13.2-11.8/5.9	1.15	F	88.5%	1 D / 2 F,G	184TTGN6501	5VYF5 ✓	1,717.00
5	1755	182/4T	T Stat	208-230/460	60	13.8-12.4/6.2	1.15	F	90.2%	1 C,D / 2 F,G	184TTGN6526	5VYF4 ✓	1,809.00
	1170	213/5T	T Stat	230/460	60/50	13.8/6.9	1.15	F	89.5%	1 D / 2 F,G	215TTGN6576	5VYF5 ✓	2,625.00
7½	3530	213/5T	T Stat	208-230/460	60/50	20.0-19.0/9.5	1.15	F	90.2%	1 D / 2 F,G	213TTGN6501	5VYF0 ✓	2,567.00
	1770	213/5T	T Stat	208-230/460	60	21.4-20/10	1.15	F	91.7%	1 C,D / 2 F,G	213TTGN6526	5VYF9 ✓	2,645.00
10	1765	215T	T Stat	208-230/460	60	27-25/12.5	1.15	F	91.7%	1 C,D / 2 F,G	215TTGN6526	6KWF2 ✓	2,272.00
	1765	215TC	T Stat	208-230/460	60/50	27-25/12.5	1.15	F	91.7%	1 C,D / 2 F,G	215TTGN6528	6KWF3 ✓	2,678.00
	1760	215TC	T Stat	230/460	60/50	25/12.5	1.0	F	89.5%	1 C,D / 2 F,G	215TTGN4065	6KWF4 ✓	2,517.00
15	3550	254T	T Stat	230/460	60/50	35/17.5	1.15	F	91.7%	1 C,D / 2 F,G	254TTGN6507	6KWF6 ✓	3,280.00
	1775	254T	T Stat	230/460	60/50	37.5/18.8	1.15	F	92.4%	1 C,D / 2 F,G	254TTGN6531	5VYF6 ✓	3,603.00
20	3537	256T	T Stat	208-230/460	60/50	51.0-47/23.4	1.15	F	92.4%	1 C,D / 2 F,G	256TTGN16509	5VYF8 ✓	4,213.00
	1775	256T	T Stat	230/460	60/50	48/24.1	1.15	F	93.0%	1 C,D / 2 F,G	256TTGN6531	6KWF9 ✓	4,092.00
25	3555	284TS	T Stat	230/460	60/50	57.5/28.8	1.15	F	93.0%	1 C,D / 2 F,G	284TTSGN6503	6KWH1 ✓	5,437.00
	1775	284T	T Stat	230/460	60/50	62/31	1.15	F	93.6%	1 C,D / 2 F,G	284TTGN6533	6KWH2 ✓	5,210.00
30	3555	286TS	T Stat	230/460	60/50	67.5/33.5	1.15	F	93.6%	1 C,D / 2 F,G	286TTSGN6501	6KWH4 ✓	5,861.00
	3545	324TS	T Stat	230/460	60/50	94/47	1.15	F	93.6%	1 C,D / 2 F,G	324TTSGS6501	6KWH5 ✓	7,889.00
40	1780	324T	T Stat	230/460	60/50	95/47.5	1.15	F	94.1%	1 C,D / 2 F,G	324TTGS6529	6KWF6 ✓	7,686.00
Face-Mount, Rolled Steel Frame													
1/3	1725	56C	Auto	230/460	60/50	1.2/0.6	1.0	B	74.5%	1 C,D / 2 E,F,G	56T17E15515	1TUE9 †✓	857.00
	3450	56C	Auto	208-230/460	60	2.1-2.4/1.2	1.0	B	66.5%	1 C,D / 2 E,F,G	56T34G15545	1TIZ9 ✓	817.50
1/2	1725	56C	Auto	230/460	60/50	2.4/1.2	1.0	B	68.0%	1 C,D / 2 E,F,G	56T17G15536	1TUG1 ✓	656.00
	1140	56C	Auto	208-230/460	60	2.4-2.7/1.35	1.15	B	68.0%	1 C,D / 2 E,F,G	56T11G15512	1TUA1 ✓	874.50
%	3450	56C	Auto	208-230/460	60	3.0-3.2/1.6	1.15	B	74.0%	1 C,D / 2 E,F,G	56T34G15541	1TUA2 ✓	876.50
	1725	56C	Auto	230/460	60/50	3.0/1.5	1.0	B	75.5%	1 C,D / 2 E,F,G	56T17G15537	1TUG2 ✓	685.00
	1140	56C	Auto	208-230/460	60	3.2-3.2/1.6	1.15	B	74.0%	1 C,D / 2 E,F,G	56T11G15513	1TUA3 ✓	934.50
	3450	56C	Auto	208-230/460	60	3.9-3.6/1.8	1.15	B	72.5%	1 C,D / 2 E,F,G	56T34G15530	1TUA4 ✓	853.50
1	1755	143TC	T Stat	208-230/460	60	3.2-3.0/1.5	1.15	B	82.5%	1 C,D / 2 F,G	143TTGR14026	6KWE8 ✓	738.00
	1725	56C	Auto	230/460	60	3.6/1.8	1.0	B	77.0%	1 C,D / 2 F,G	56T17G15542	1TUG3 ✓	693.50
	1140	56C	Auto	208-230/460	60	3.6-3.4/1.7	1.15	B	80.0%	1 C,D / 2 F,G	56T11G15514	1TUA5 ✓	928.50
1½	3500	143TC	T Stat	208-230/460	60	4.4-4.0/2	1.0	B	82.5%	1 C,D / 2 F,G	143TTGR14005	6KWE9 ✓	875.00
	1725	56C	Auto	230/460	60	4.8/2.4	1.0	B	80.0%	1 C,D / 2 F,G	56T17G15543	1TUG4 ✓	701.50
	3450	56C	Auto	208-230/460	60	6.0-6.0/3.0	1.15	B	80.0%	1 C,D / 2 F,G	56T34G15532	1TUA8 ✓	937.00
2	1740	145TC	T Stat	208-230/460	60	6.5-6.0/2.8	1.15	B	84.0%	1 C,D / 2 F,G	145TTGR14026	6KWF2 ✓	1,008.00
Face-Mount, Cast-Iron Frame													
3	1765	182/4TC	T Stat	230/460	60/50	8.0/4.0	1.0	F	90.2%	1 D / 2 F,G	182TTGN4068	5VYF3 ✓	1,458.00
	3475	182/4TC	T Stat	230/460	60/50	12.4/6.2	1.0	F	87.5%	1 D / 2 F,G	184TTGN4313	5VYF8 ✓	1,773.00
5	1745	182/4TC	T Stat	230/460	60/50	13/6.5	1.0	F	87.5%	1 D / 2 F,G	184TTGN4072	5VYF7 ✓	1,612.00
7½	1760	213/5TC	T Stat	230/460	60/50	20/10	1.0	B	89.5%	1 D / 2 F,G	213TTGN4067	5VYF3 ✓	2,198.00
Face/Base-Mount, Cast-Iron Frame													
7½	3530	213TC	T Stat	230/460	60/50	19/9.5	1.0	B	88.5%	1 D / 2 F,G	213TTGS14015	4YRE2 *✓	1,818.00
Foot-Mount, Cast-Iron Frame													
7½	1175	254T	T Stat	230/460	60/50	19.8/9.9	1.15	F	91.0%	1 C,D / 2 F,G	254TTGN6576	5VY7 ✓	3,488.00
10	1176	256T	T Stat	230/460	60/50	26.2/13.1	1.15	F	91.0%	1 C,D / 2 F,G	256TTGN6576	5VY9 ✓	4,126.00
15	1178	284T	T Stat	230/460	60/50	41/20.4	1.15	F	91.7%	1 C,D / 2 F,G	284TTGN6576	5VYHO ✓	5,355.00
20	1175	284/6T	T Stat	230/460	60/50	53.5/26.8	1.15	F	91.7%	1 C,D / 2 F,G	286TTGN16577	5VYH1 ✓	6,424.00
25	1182	324T	T Stat	230/460	60/50	65.0/32.5	1.15	F	93.0%	1 C,D / 2 F,G	324TTGS16577	5VYH6 ✓	8,424.00
30	1182	324/6T	T Stat	230/460	60/50	77/38.5	1.15	F	93.0%	1 C,D / 2 F,G	326TTGS6578	5VYJ1 ✓	7,940.00
40	1185	364T	T Stat	230/460</									

CONTINUED

3-Phase Hazardous-Location Motors

HP Face/Base-Mount, Rolled Steel Frame	Nameplate RPM	NEMA/ IEC Frame	Thermal Protection	Voltage	Hz	Full Load Amps	Service Factor	Insulation Class	Nom. Efficiency	Hazardous Location Class & Group	Mfr. Model	Item No.	\$ Each
1/3	1725	56C	Auto	230/460	60/50	1.2/0.6	1.0	B	74.5%	1,C,D / 2,E,F,G	56T17E15514	1TUG6 ✓	865.00
	3450	56C	Auto	208-230/460	60	2.1-2.4/1.2	1.0	B	66.5%	1,C,D / 2,E,F,G	56T34G15544	1TUC2 ✓	838.50
1/2	1725	56C	Auto	230/460	60/50	2.4/1.2	1.0	B	68.0%	1,C,D / 2,E,F,G	56T17G15559	1TUG7 ✓	857.00
	3450	56C	Auto	208-230/460	60	3.0-3.2/1.6	1.15	B	74.0%	1,C,D / 2,E,F,G	56T34G15534	1TUC3 ✓	855.00
3/4	1725	56C	Auto	230/460	60/50	3.0/1.5	1.0	B	75.5%	1,C,D / 2,E,F,G	56T17G15545	1TUG8 ✓	915.50
	1725	145TC	T Stat	208-230/460	60/50	2.9-3.0/1.5	1.15	B	75.5%	1,C,D / 2,E,F,G	145TTGR14041	1TUC4 ✓	842.50
	3450	56C	Auto	208-230/460	60	3.9-3.6/1.8	1.15	B	72.5%	1,C,D / 2,E,F,G	56T34G15535	1TUC5 ✓	855.00
1	1765	145TC	T Stat	208-230/460	60	3.3-3.3/1.65	1.15	B	85.5%	1,C,D / 2,E,F,G	145TTGR16044	6KWF9 ✓	804.50
	1725	56C	Auto	230/460	60	3.6/1.8	1.0	B	77.0%	1,C,D / 2,E,F,G	56T17G15546	1TUG9 ✓	949.00
1 1/2	3450	56C	Auto	208-230/460	60	4.6-4.6/2.3	1.0	B	80.0%	1,C,D / 2,E,F,G	56T34G15536	1TUC6 ✓	891.50
	1755	145TC	T Stat	208-230/460	60	4.7-4.6/2.3	1.15	F	86.5%	1,C,D / 2,E,F,G	145TTGR16037	6KWF4 ✓	966.50
	3450	56C	Auto	208-230/460	60	6.0-6.0/3.0	1.15	B	80.0%	1,C,D / 2,E,F,G	56T34G15537	1TUC7 ✓	920.00
2	1760	145TC	T Stat	208-230/460	60	6.2-6.0/3.0	1.15	F	86.5%	1,C,D / 2,E,F,G	145TTGR16035	6KWF3 ✓	1,028.00
	1725	56C	Auto	230/460	60	5.8/2.9	1.0	B	82.5%	1,C,D / 2,E,F,G	56T17G15557	1TUH2 ✓	1,116.00
Face/Base-Mount, Cast-Iron Frame													
3	3525	182TC	T Stat	230/460	60	7.6/3.8	1.0	B	87.5%	1,C,D / 2,F,G	182TTGN16506	6KWF8 ✓	1,656.00
5	1765	182/4TC	T Stat	208-230/460	60/50	8.4-8.0/4.0	1.15	F	89.5%	1,D / 2,F,G	182TTGN6569	5VYF1 ✓	1,464.00
7 1/2	1755	182/4TC	T Stat	208-230/460	60/50	13.8-12.4/6.2	1.15	F	89.5%	1,D / 2,F,G	184TTGN6575	5VYF6 ✓	1,791.00
15	1765	213/5TC	T Stat	208-230/460	60/50	20.8-19.2/9.6	1.15	F	91.7%	1,D / 2,F,G	213TTGN6528	5VYG1 ✓	2,436.00
15	3550	254TC	T Stat	230/460	60/50	35.0/17.5	1.15	F	91.7%	1,C,D / 2,F,G	254TTGN16505	6KWG7 ✓	3,528.00
20	1775	254TC	T Stat	208-230/460	60/50	41.0-37.5/18.8	1.15	F	92.4%	1,C,D / 2,F,G	254TTGN16537	6KWG5 ✓	3,709.00
20	3537	256TC	T Stat	208-230/460	60/50	51.0-47.0/23.4	1.15	F	92.4%	1,C,D / 2,F,G	256TTGN16511	6KWG8 ✓	4,573.00
25	1775	256TC	T Stat	208-230/460	60/50	53.0-48.0/24.1	1.15	F	93.0%	1,C,D / 2,F,G	256TTGN16538	6KWH0 ✓	4,206.00
25	1775	284TC	T Stat	208-230/460	60/50	67.0-62.0/31.0	1.15	F	93.6%	1,C,D / 2,F,G	284TTGN16537	6KWH3 ✓	5,143.00
30	1773	284/6TC	T Stat	208-230/460	60/50	80.0-73.0/36.5	1.15	F	94.1%	1,C,D / 2,F,G	286TTGN16536	5VYH2 ✓	5,918.00
40	1780	324TC	T Stat	230/460	60/50	95.0-47.5	1.15	F	94.1%	1,C,D / 2,F,G	324TTGS16534	5VYH5 ✓	7,896.00
50	1775	326TC	T Stat	230/460	60/50	120.0/60.0	1.15	F	94.5%	1,C,D / 2,F,G	326TTGS16537	5VYH9 ✓	10,215.00
Rigid-Mount, Cast-Iron Frame													
30	1773	286T	T Stat	208-230/460	60/50	80.0-73.0/36.5	1.15	F	94.1%	1,C,D / 2,F,G	286TTGN16537	6UZR6 ✓	5,930.00

* Limited availability. † Totally-enclosed nonventilated.

Black Max® 3-Phase Hazardous-Location Vector Motors

- Enclosure: totally-enclosed nonventilated
- Service factor: 1.0
- Insulation: Class F3
- Temp. code: T3B
- Max. ambient: 40°C

- Max. Operating Frequency: 120 Hz
- Bearings: ball
- Rotation: CW/CCW
- Duty: continuous

Feature constant torque operation from 0 to base speed on vector drive and constant HP operation to twice base rpm. For use in crane, conveyor, hoist, machine tools, material handling, and other variable-speed applications. Meet Class I and II (gases and dust); Groups C, D, F, and G standards. UL Listed and CSA Certified.


No. 15G104
Conduit Box

For use with NEMA 56 hazardous-location motors. Has a hole for self-tapping grounding screw. UL Listed and CSA Certified.

Item No.	\$ Each
1TUL7 ✓	208.00



Hazardous Location Motor Temperature Codes

In addition to identifying the Class, Group, and Division of the hazardous location motor, you must also obtain the temperature code or maximum surface temperature for the motor. This code or temperature indicates the maximum surface temperature for all conditions including burnout, overload, single phasing, and locked rotor. The maximum surface temperature or T-Code must be identified on the nameplate.

"T" Number (T-Code On Nameplate)	Max. Temp. (For All Conditions)	"T" Number (T-Code On Nameplate)	Max. Temp. (For All Conditions)
T1	450°C	842°F	T3A 180°C 356°F
T2	300°C	572°F	T3B 165°C 329°F
T2A	280°C	536°F	T3C 160°C 320°F
T2B	260°C	500°F	T4 135°C 275°F
T2C	230°C	446°F	T4A 120°C 248°F
T2D	215°C	419°F	T5 100°C 212°F
T3	200°C	392°F	T6 85°C 185°F

National Electrical Code Explosive Atmosphere Classifications

Chapter 5 of the NEC, local building codes, OSHA requirements, and insurance inspectors for detailed data as to proper procedures. This catalog does not contain any motors designed for Class I, Groups A or B atmospheres.

CLASS I

Group A: Acetylene

Group B: Butadiene, ethylene oxide, hydrogen, propylene oxide, manufactured gases containing more than 30% hydrogen by volume

Group C: Acetaldehyde, cyclopropane, diethyl ether, ethylene

Group D: Acetone, acrylonitrile, ammonia, benzene, butane, ethanol, ethylene dichloride, gasoline,

hexane, isoprene, methane (natural gas), methanol, naphtha, propane, propylene, styrene, toluene, vinyl chloride, xylene

CLASS II

Group E: Aluminum, magnesium, and other metal dusts with similar characteristics

Group F: Carbon black, coke, or coal dust

Group G: Flour, starch, or grain dust

CLASS III

Easily ignitable fibers, such as rayon, cotton, sisal, hemp, cocoa fiber, oakum, excelsior, and other materials of similar nature

MOTORS

3-Phase Hazardous Location Motors



No.
4YPU4

WEG NEMA
Premium

NEMA Premium® 3-Phase Hazardous Location Motors

- Frame material: cast-iron
- Enclosure: totally enclosed fan-cooled
- Service factor: 1.15
- Insulation: Class F
- 60 Hz
- Max. ambient: 40°C
- Thermal protection: T Stat
- Mounting: foot-mount
- Bearings: ball
- Rotation: CW/CCW
- Duty: continuous

Motors meet NEMA Premium and CEE requirements for energy efficiency. Use for blowers, fans, pumps, feed/flour mills, grain elevators, petroleum, material handling equipment, and other applications requiring a hazardous location motor. UL Listed, CSA Certified.

HP	Nameplate RPM	NEMA/ IEC Frame	Temp. Code	Voltage	Full Load Amps	Nom. Efficiency	Hazardous Location Class & Group	Mfr. Model	Item No.	\$ Each
1	1765	143T	T4	208-230/460	3.16-2.86/1.43	85.5%	1 C,D / 2 FG	00118XT3E143T	4YPR7	1,087.00
	3500	143T	T4	208-230/460	4.53-4.1/2.05	84.0%	1 C,D / 2 FG	00156XT3E143T	4YPR9	1,100.00
1½	1760	145T	T4	208-230/460	4.53-4.1/2.05	86.5%	1 C,D / 2 FG	00158XT3E145T	4YPT1	✓ 1,127.00
	1165	182T	T4	208-230/460	5.13-4.64/2.32	87.5%	1 C,D / 2 FG	00152XT3E182T	4YPT2	✓ 1,395.00
2	3480	145T	T4	208-230/460	5.96-5.38/2.69	85.5%	1 C,D / 2 FG	00236XT3E145T	4YPT3	✓ 1,123.00
	1750	145T	T4	208-230/460	6.02-5.44/2.72	86.5%	1 C,D / 2 FG	00218XT3E145T	4YPT4	✓ 1,168.00
2½	1165	184T	T4	208-230/460	6.92-6.26/3.13	88.5%	1 C,D / 2 FG	00212XT3E184T	4YPT5	✓ 1,462.00
	3515	182T	T4	208-230/460	8.40-7.6/3.8	86.5%	1 C,D / 2 FG	00336XT3E182T	4YPT6	✓ 1,395.00
3	1760	182T	T4	208-230/460	8.65-7.82/3.91	89.5%	1 C,D / 2 FG	00318XT3E182T	4YPT7	✓ 1,484.00
	1170	213T	T4	208-230/460	9.75-8.82/4.41	89.5%	1 C,D / 2 FG	00312XT3E213T	4YPT8	2,183.00
5	3505	184T	T4	208-230/460	13.5-12.2/6.10	88.5%	1 C,D / 2 FG	00536XT3E184T	4YPT9	✓ 1,569.00
	1755	184T	T4	208-230/460	14.5-13.1/6.57	89.5%	1 C,D / 2 FG	00518XT3E184T	4YPU1	✓ 1,524.00
7½	1160	215T	T4	208-230/460	15.1-13.7/6.83	89.5%	1 C,D / 2 FG	00512XT3E215T	4YPU2	2,222.00
	3540	213T	T4	208-230/460	19.8-17.9/8.97	89.5%	1 C,D / 2 FG	00736XT3E213T	4YPU3	✓ 2,115.00
10	1765	213T	T4	208-230/460	20.8-18.8/9.41	91.7%	1 C,D / 2 FG	00718XT3E213T	4YPU4	2,222.00
	1175	254T	T4	208-230/460	21.5-19.5/9.73	91.0%	1 C,D / 2 FG	00712XT3E254T	4YPU5	✓ 3,001.00
15	3535	215T	T4	208-230/460	26.5-24.0/12.0	90.2%	1 C,D / 2 FG	01036XT3E215T	4YPU6	2,220.00
	1765	215T	T4	208-230/460	28.1-25.4/12.7	91.7%	1 C,D / 2 FG	01018XT3E215T	4YPU7	✓ 2,381.00
20	1175	256T	T4	208-230/460	29.4-26/13.3	91.0%	1 C,D / 2 FG	01012XT3E256T	4YPU8	✓ 3,545.00
	3535	254T	T4	208-230/460	37.3-33.8/16.9	91.7%	1 C,D / 2 FG	01536XT3E254T	4YPU9	✓ 2,969.00
25	1770	254T	T4	208-230/460	40.7-36.8/18.4	92.4%	1 C,D / 2 FG	01518XT3E254T	4YPV1	✓ 3,100.00
	1180	284T	T4	208-230/460	38.7-35.0/17.5	91.7%	1 C,D / 2 FG	01512XT3E284T	4YPV2	✓ 4,888.00
30	3530	256T	T4	208-230/460	50.6-46.2/23.1	91.7%	1 C,D / 2 FG	02036XT3E256T	4YPV3	✓ 3,805.00
	1770	256T	T4	208-230/460	55.3-50.0/25.0	93.0%	1 C,D / 2 FG	02018XT3E256T	4YPV4	✓ 3,787.00
40	1175	286T	T4	208-230/460	53.5-48.4/24.2	91.7%	1 C,D / 2 FG	02012XT3E286T	4YPV5	✓ 5,604.00
	3555	284TS	T4	208-230/460	62.8-57.2/28.6	92.4%	1 C,D / 2 FG	02536XT3E284TS	4YPV6	✓ 5,107.00
50	1775	284T	T4	208-230/460	66.1-59.8/29.9	93.6%	1 C,D / 2 FG	02518XT3E284T	4YPV7	✓ 4,803.00
	1180	324T	T4	208-230/460	67.2-60.8/30.4	93.0%	1 C,D / 2 FG	02512XT3E324T	4YPV8	✓ 6,744.00
75	3545	286TS	T4	208-230/460	74.5-67.4/33.7	93.0%	1 C,D / 2 FG	03036XT3E286TS	4YPV9	✓ 5,105.00
	1770	286T	T4	208-230/460	79.6-72.0/36.0	93.6%	1 C,D / 2 FG	03018XT3E286T	4YPW1	✓ 5,474.00
100	1180	326T	T4	208-230/460	81.2-73.4/36.7	93.0%	1 C,D / 2 FG	03012XT3E326T	4YPW2	✓ 7,665.00
	3555	324TS	T4	208-230/460	101-91.5/45.8	93.6%	1 C,D / 2 FG	04036XT3E324TS	4YPW3	✓ 6,141.00
125	1780	324T	T4	208-230/460	107-96.4/48.2	94.1%	1 C,D / 2 FG	04018XT3E324T	4YPW4	✓ 6,000.00
	1185	364T	T4	208-230/460	104-94.2/47.1	94.1%	1 C,D / 2 FG	04012XT3E364T	4YPW5	✓ 11,373.00
150	3550	326TS	T4	208-230/460	123-111/55.5	94.1%	1 C,D / 2 FG	05036XT3E326TS	4YPW6	✓ 6,988.00
	1780	326T	T4	208-230/460	134-121/60.5	94.5%	1 C,D / 2 FG	05018XT3E326T	4YPW7	✓ 7,054.00
200	1185	365T	T3C	208-230/460	128-116/58.1	94.1%	1 C,D / 2 FG	05012XT3E365T	4YPW8	✓ 11,773.00
	3560	364TS	T3C	208-230/460	151-137/68.3	94.1%	1 C,D / 2 FG	06036XT3E364TS	4YPW9	✓ 9,945.00
250	1780	364T	T3C	208-230/460	151-137/68.3	95.0%	1 C,D / 2 FG	06018XT3E364T	4YPX1	✓ 10,418.00
	1180	404T	T3C	208-230/460	156-141/70.4	94.5%	1 C,D / 2 FG	06012XT3E404T	4YPX2	✓ 13,173.00
300	3560	365TS	T3C	208-230/460	182-165/82.4	94.1%	1 C,D / 2 FG	07536XT3E365TS	4YPX3	✓ 11,252.00
	1780	365T	T3C	208-230/460	184-166/83.2	95.4%	1 C,D / 2 FG	07518XT3E365T	4YPX4	✓ 11,296.00
350	1180	405T	T3C	208-230/460	192-174/87.0	94.5%	1 C,D / 2 FG	07512XT3E405T	4YPX5	✓ 13,696.00
	3550	405TS	T3C	208-230/460	244-220/110	95.0%	1 C,D / 2 FG	10036XT3E405TS	4YPX6	✓ 11,642.00
400	1780	405T	T3C	208-230/460	250-226/113	95.4%	1 C,D / 2 FG	10018XT3E405T	4YPX7	✓ 13,377.00
	1190	444T	T3C	208-230/460	267-242/121	95.0%	1 C,D / 2 FG	10012XT3E444T	4YPX8	✓ 19,828.00
450	3560	444TS	T3C	460	137	95.0%	1 C,D / 2 FG	12536XT3G444TS	4YPX9	✓ 16,527.00
	1785	444T	T3C	208-230/460	314-284/142	95.4%	1 C,D / 2 FG	12518XT3G444T	4PY1	✓ 16,294.00
500	1185	445T	T3C	460	150	95.0%	1 C,D / 2 FG	12512XT3G445T	4PY2	✓ 17,259.00
	3570	445TS	T3C	460	161	95.4%	1 C,D / 2 FG	15036XT3G445TS	4PY3	✓ 17,062.00
550	1780	445T	T3C	208-230/460	376-340/170	95.8%	1 C,D / 2 FG	15018XT3E445T	4PY4	✓ 17,606.00
	1185	504	T3C	460	174	95.8%	1 C,D / 2 FG	15012XT3G504	4PY5	✓ 24,016.00



G means getting it done safely.

What you need to help send everyone home safe tonight.

Get It. Got It. Good.

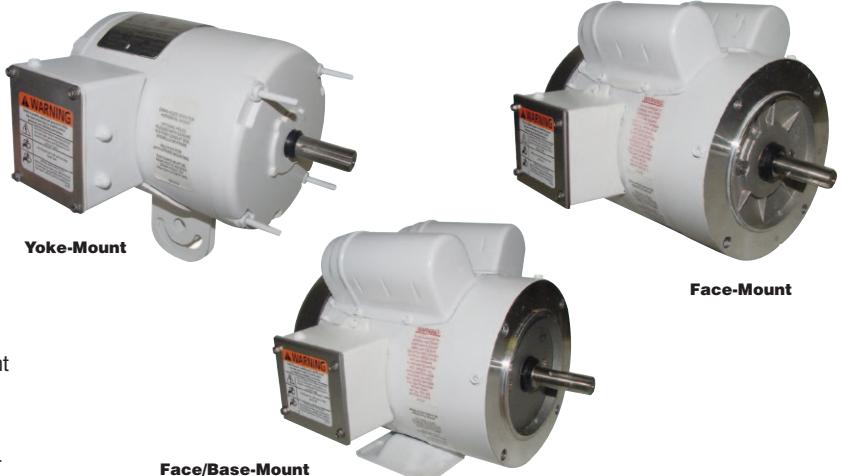
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1-Phase Washdown Motors

- Insulation: Class F
- Max. ambient: 40°C
- Thermal protection: auto on PSC motors; none on capacitor-start
- Bearings: ball
- Rotation: CW/CCW
- Duty: continuous, except Nos. 1TRY8, 1TRY7, and 1TRY6 are continuous air-over

Built to comply with NEMA standard MG1-1.26.6 for wash-down motors. 303 stainless steel shaft. V-ring rotating seal. Double-sealed, oversize bearings and spring-loaded contact seals in each endshield are lubricated with moisture-resistant grease. Conduit boxes have drains to shed excess moisture. White epoxy finish for superior resistance to caustic cleaning solutions. For high humidity/wet environments and areas where motor is occasionally exposed to high-pressure wash-downs. UL Recognized, CSA Certified, and USDA Approved.



HP	Nameplate RPM	NEMA/IEC Frame	Enclosure	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Length Less Shaft	Shaft Dia.	Shaft Length	Brand	Item No.	\$ Each
Permanent Split Capacitor, Yoke-Mount, 4 1/16" Studs on Center													
1/4	1700	48Y	TENV	115/230	3.4/1.7	1.0	64%	6 3/4"	1/2"	2 1/2"	Dayton	1TRY8 ✓	555.00
1/3	1700	48Y	TENV	115/230	4.2/2.1	1.0	66%	7 1/4"	1/2"	2 1/2"	Dayton	1TRY5 ✓	568.50
1/2	1700	48Y	TENV	115/230	5.2/2.6	1.0	70%	7 3/4"	5/8"	2 1/2"	Dayton	1TRY6 ✓	625.50
Capacitor-Start, Face-Mount													
1/2	3450	56C	TEFC	115/208-230	7.6/4.0-3.8	1.15	63.0%	8 3/4"	5/8"	1 1/8"	Marathon Motors	1TUR1 ✓	531.50
	1725	56C	TEFC	115/208-230	3.3/4.1-4.4	1.15	66.0%	9 1/4"	5/8"	1 1/8"	Marathon Motors	1TUR5 ✓	433.00
3/4	3450	56C	TEFC	115/208-230	10.0/5.2-5.0	1.15	64.0%	9 1/4"	5/8"	1 1/8"	Marathon Motors	1TUR2 ✓	593.50
	1725	56C	TEFC	115/208-230	10.8/5.6-5.4	1.15	70.0%	9 3/4"	5/8"	1 1/8"	Marathon Motors	1TUR7 ✓	525.00
1	3450	56C	TEFC	115/208-230	12.0/6.2-6.0	1.15	70.0%	9 3/4"	5/8"	1 1/8"	Marathon Motors	1TUR3 ✓	596.50
	1725	56C	TEFC	115/208-230	12.8/6.6-6.4	1.15	75.0%	9 13/16"	5/8"	1 1/8"	Marathon Motors	1TUR6 ✓	466.25
Capacitor-Start, Face/Base-Mount													
1/2	1725	56C	TEFC	115/208-230	3.3/4.4	1.15	66.0%	9 1/4"	5/8"	1 1/8"	Marathon Motors	1TUP4 ✓	437.25
3/4	3450	56C	TEFC	115/208-230	10.0/5.2-5.0	1.15	64.0%	9 1/4"	5/8"	1 1/8"	Marathon Motors	1TUP4 ✓	552.00
	1725	56C	TEFC	115/208-230	10.8/5.4	1.15	70.0%	9 3/4"	5/8"	1 1/8"	Marathon Motors	1TUP5 ✓	463.75
1	1725	56HC	TEFC	115/208-230	12.8/6.6-6.4	1.15	75.0%	10 1/4"	5/8"	1 1/8"	Marathon Motors	1TUP6 ✓	456.75
Capacitor-Start, Face-Mount													
2	1740	56C	TEFC	115/208-230	20.0/10.2-10.0	1.15	80.0%	11 1/4"	5/8"	1 1/8"	Marathon Motors	1TUP9 ✓	754.50
Capacitor-Start, Face/Base-M Mount													
2	1740	56HC	TEFC	115/208-230	20.0/10.2-10.0	1.15	80.0%	11-3/6"	5/8"	1 1/8"	Marathon Motors	1TUP8 ✓	739.50
1 1/2	1740	56HC	TEFC	115/208-230	14.8/7.8-7.4	1.15	80.0%	11-1/6"	5/8"	1 1/8"	Marathon Motors	1TUP7 ✓	595.50



3-Phase HydroWash Washdown Motors

- Service factor: 1.15
- Insulation: Class F
- Max. ambient: 40°C
- Thermal protection: none
- Bearings: double-sealed ball
- Rotation: CW/CCW
- Duty: continuous

Feature double-sealed ball bearings with triple protection, potted and welded conduit box, oil- and water-resistant breather vent, VPI windings, waterproof lead splice kit, and corrosion-resistant white epoxy paint. Ideal for use in applications requiring frequent high pressure clean-up with chemical sanitizers in high humidity areas. Suitable for use in auto and vehicle washing equipment, beverage and food processing, and in pharmaceutical and medical device manufacturing. UL Recognized and RoHS compliant.



HP	Nameplate RPM	NEMA/IEC Frame	Enclosure	Voltage	Full Load Amps	Nom. Efficiency	Length Less Shaft	Shaft Dia.	Shaft Length	Mfr. Model	Item No.	\$ Each
Base-Mount												
1/2	1725	56C	TENV	460/208-230	.8/1.7-1.6	80.90	8 3/16"	5/8"	2 1/16"	1321007145	36T486 ✓	633.50
3/4	1725	56C	TENV	460/208-230	1.2/2.6-2.4	85.60	9"	5/8"	2"	1321007146	36T488 ✓	522.50
1	1725	56	TENV	460/208-230	1.5/3.2-3.0	85.20	9 1/16"	5/8"	2 1/16"	1321007143	36T490 ✓	670.50
	1725	145TC	TENV	460/208-230	1.5/3.2-3.0	85.20	9 5/8"	7/8"	2 1/16"	1321007148	36T492 ✓	534.50
1 1/2	1725	56C	TEFC	460/208-230	2.2/4.6-4.4	85.60	11 3/16"	5/8"	2 1/16"	1311017163	36T494 ✓	652.00
	1725	145TC	TEFC	460/208-230	2.2/4.6-4.4	85.60	11 7/16"	7/8"	2 1/16"	1311017155	36T496 ✓	792.50
2	1725	56C	TEFC	460/208-230	2.8/6.0-5.6	86.40	12 1/2"	5/8"	2"	1311017161	36T498 ✓	676.00
	1725	145TC	TEFC	460/208-230	2.8/6.0-5.6	86.40	12 7/16"	7/8"	2 1/16"	1311017154	36T501 ✓	792.50
Face-Mount												
1/2	1725	56	TENV	460/208-230	.8/1.7-1.6	80.90	8 3/16"	5/8"	2 1/16"	1321007144	36T487 ✓	633.50
3/4	1725	56C	TENV	460/208-230	1.2/2.6-2.4	85.60	9"	5/8"	2"	1321007147	36T489 ✓	535.50
1	1725	56C	TENV	460/208-230	1.5/3.2-3.0	85.20	9 1/16"	5/8"	2 1/16"	1321007142	36T491 ✓	468.75
	1725	145TC	TENV	460/208-230	1.5/3.2-3.0	85.20	9 5/8"	7/8"	2 1/16"	1321007149	36T493 ✓	623.50
1 1/2	1725	56C	TEFC	460/208-230	2.2/4.6-4.4	85.60	11 3/16"	5/8"	2 1/16"	1311017164	36T495 ✓	652.00
	1725	145TC	TEFC	460/208-230	2.2/4.6-4.4	85.60	11 7/16"	7/8"	2 1/16"	1311017156	36T497 ✓	645.50
2	1725	56C	TEFC	460/208-230	2.8/6.0-5.6	86.40	12 1/2"	5/8"	2"	1311017162	36T499 ✓	676.00
	1725	145TC	TEFC	460/208-230	2.8/6.0-5.6	86.40	12 7/16"	7/8"	2 1/16"	1311017157	36T502 ✓	751.50

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

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No. 1F654

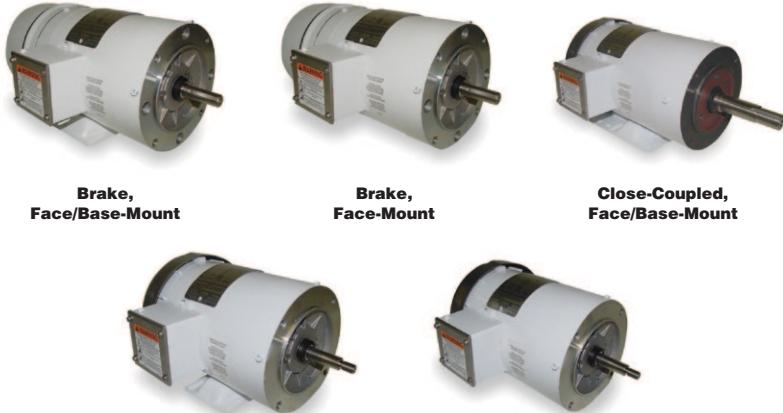
Dayton®

90 and 180VDC Washdown Motors

- Service factor: 1.0
- Insulation: Class F
- Max ambient: 40° C
- Bearings: ball
- Duty: continuous

Designed for use with speed controls or NEMA Type K DC power supplies on constant or diminishing torque applications. Motors feature externally replaceable brushes and removable bases. Suitable for use in drives for conveyors, food packaging and processing machinery where high humidity and wet environments exist, or where washdown procedures are used. UL Recognized.

HP	Nameplate RPM	NEMA/IEC Frame	Enclosure	Full Load Amps	Length Less Shaft	Shaft Dia.	Shaft Length	Item No.	\$ Each
90VDC Permanent Magnet, Face/Base-Mount									
1/4	1750	56C	TEFC	2.5	8 1/8"	5/8"	11 5/16"	1F654	666.50
1/3	1750	56C	TEFC	3.5	9 3/8"	5/8"	11 5/16"	1F652	✓ 695.50
1/2	1750	56C	TEFC	5	9 7/8"	5/8"	11 5/16"	1F650	✓ 714.00
3/4	1750	56C	TEFC	7.6	11 1/8"	5/8"	11 5/16"	1F646	✓ 835.50
1	1750	56C	TEFC	10.0	12 7/8"	5/8"	11 5/16"	1F642	✓ 1,077.00
180VDC Permanent Magnet, Face/Base-Mount									
1/2	1750	56C	TEFC	2.5	9 7/8"	5/8"	11 5/16"	1F648	✓ 744.50
3/4	1750	56C	TEFC	3.8	11 1/8"	5/8"	11 5/16"	1F644	✓ 871.50
1	1750	56C	TEFC	5.0	12 7/8"	5/8"	11 5/16"	1F640	✓ 1,035.00

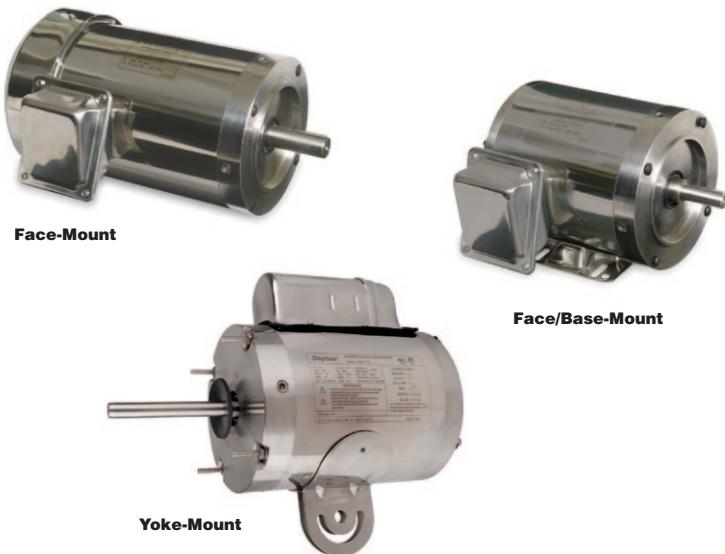


3-Phase Washdown Motors

- Service factor: 1.15
- Insulation: Class F
- Max ambient: 40° C
- Bearings: ball
- Duty: continuous

Comply with NEMA standard MG-1.26.6 for washdown motors. Have 303 stainless steel shaft and V-ring rotating seal. Double sealed, oversized bearings and spring-loaded contact seals in each endshield are lubricated with moisture-resistant grease. Conduit boxes have drains to shed excess moisture. White epoxy finish resists caustic cleaning solutions. For use in high humidity, wet environments or where motor is occasionally exposed to high-pressure washdowns. Brake motors are suitable for use in drives for conveyors, food packaging and processing equipment. Close-coupled and jet pump motors are for use in pumps requiring specific shaft and mounting dimensions. All models are UL Recognized, CSA Certified, and USDA Approved.

HP	Nameplate RPM	NEMA/IEC Frame	Enclosure	Voltage	Full Load Amps	Nom. Efficiency	Length Less Shaft	Shaft Dia.	Shaft Length	Includes	Item No.	\$ Each
Brake Motors, Face/Base-Mount												
1/3	1725	56C	TENV	208-230/460	1.4-1.3/0.65	72.0%	12 1/4"	5/8"	1 1/8"	3 ft.-lb. Brake	2LHL7	✓ 911.50
1/2	1725	56C	TENV	208-230/460	2.0-1.8/0.9	78.5%	12 1/4"	5/8"	1 1/8"	3 ft.-lb. Brake	2LHL8	✓ 941.00
3/4	1725	56C	TENV	208-230/460	2.7-2.5/1.25	80.0%	13"	5/8"	1 1/8"	6 ft.-lb. Brake	2LHL9	✓ 1,054.00
1	1740	143TC	TENV	208-230/460	3.3-3.2/1.6	80.0%	14"	7/8"	2 1/4"	6 ft.-lb. Brake	2LHN2	✓ 1,080.00
1 1/2	1740	56HC	TENV	208-230/460	3.3-3.2/1.6	80.0%	13 1/4"	5/8"	1 1/8"	6 ft.-lb. Brake	2LHN1	✓ 1,105.00
2	1740	145TC	TEFC	208-230/460	4.5-4.4/2.2	84.0%	15 7/8"	7/8"	2 1/4"	10 ft.-lb. Brake	2LHN3	✓ 1,507.00
2	1740	145TC	TEFC	208-230/460	6.0-5.6/2.8	84.0%	15 3/4"	7/8"	2 1/4"	10 ft.-lb. Brake	2LHN4	✓ 1,537.00
Brake Motors, Face-Mount												
1/3	1725	56C	TENV	208-230/460	1.4-1.3/0.65	72.0%	12"	5/8"	1 1/8"	3 ft.-lb. Brake	2LHN5	✓ 911.00
1/2	1725	56C	TENV	208-230/460	2.0-1.8/0.9	78.5%	12 3/4"	5/8"	1 1/8"	3 ft.-lb. Brake	2LHN6	✓ 959.50
3/4	1725	56C	TENV	208-230/460	2.7-2.5/1.25	80.0%	13"	5/8"	1 1/8"	6 ft.-lb. Brake	2LHN7	✓ 1,035.00
1	1740	143TC	TENV	208-230/460	3.3-3.2/1.6	80.0%	13 1/2"	7/8"	2 1/4"	6 ft.-lb. Brake	2LHN9	✓ 1,067.00
1 1/2	1740	56HC	TENV	208-230/460	3.3-3.2/1.6	80.0%	13 3/8"	5/8"	1 1/8"	6 ft.-lb. Brake	2LHN8	✓ 1,097.00
2	1740	145TC	TEFC	208-230/460	4.6-5.0/2.5	78.5%	15"	7/8"	2 1/4"	10 ft.-lb. Brake	2LHP1	✓ 1,421.00
2	1740	145TC	TEFC	208-230/460	6.2-6.2/3.1	81.5%	15 3/8"	7/8"	2 1/4"	10 ft.-lb. Brake	2LHP2	✓ 1,463.00
Close-Coupled Pump Motors, Face/Base-Mount												
1	1745	143JM	TEFC	208-230/460	3.2-3.1/1.55	82.5%	11"	7/8"	4 1/4"	—	2LHL2	✓ 710.50
1 1/2	3490	143JM	TEFC	208-230/460	4.4-4.0/2.0	82.5%	11"	7/8"	4 1/4"	—	2LHL3	698.00
1 1/2	1740	143JM	TEFC	208-230/460	4.5-4.4/2.2	84.0%	11"	7/8"	4 1/4"	—	2LHL4	✓ 742.00
2	3490	145JM	TEFC	208-230/460	5.6-5.2/2.6	84.0%	11"	7/8"	4 1/4"	—	2LHL5	✓ 747.00
3	3490	145JM	TEFC	208-230/460	8.4-7.6/3.8	85.5%	11 1/2"	7/8"	4 1/4"	—	2LHL6	✓ 782.50
3	1760	182JM	TEFC	208-230/460	8.0-8.6/4.3	87.5%	12"	7/8"	4 1/4"	—	2LHL7	✓ 783.50
5	3510	184JM	TEFC	208-230/460	12.8-12.0/6.0	87.5%	12"	7/8"	4 1/4"	—	2LHL9	✓ 1,041.00
5	1750	184JM	TEFC	208-230/460	14.0-13.0/6.5	87.5%	12"	7/8"	4 1/4"	—	2LHL1	✓ 1,014.00
7 1/2	3450	184JM	TEFC	208-230/460	17.6-16.8/4.8	88.5%	13 1/2"	7/8"	4 1/4"	—	2LHL2	1,128.00
7 1/2	1760	213JM	TEFC	208-230/460	24.0-22.0/11.0	89.5%	14 3/4"	7/8"	4 1/4"	—	2LHL3	✓ 1,585.00
10	3525	215JM	TEFC	208-230/460	27.0-24.0/12.0	89.5%	17 1/2"	7/8"	4 1/4"	—	2LHL4	✓ 1,785.00
15	1760	215JM	TEFC	208-230/460	29.0-28.0/14.0	89.5%	15 1/4"	7/8"	4 1/4"	—	2LHL5	✓ 1,683.00
15	3520	215JM	TEFC	208-230/460	39.0-36.0/18.0	90.2%	17 1/2"	7/8"	4 1/4"	—	2LHL6	✓ 2,642.00
Jet Pump Motors, Face/Base-Mount												
3/4	3450	56J	TEFC	208-230/460	2.5-2.4/1.2	75.5%	8 1/2"	5/8"	2 1/2"	—	2LHP8	556.00
1	3450	56J	TEFC	208-230/460	3.4-3.2/1.6	77.0%	8 1/2"	5/8"	2 1/2"	—	2LHP9	568.50
1 1/2	3450	56J	TEFC	208-230/460	4.4-4.2/2.1	81.5%	9 3/4"	5/8"	2 1/2"	—	2LHR1	✓ 597.50
2	3450	56J	TEFC	208-230/460	5.8-5.6/2.8	82.5%	10 1/4"	5/8"	2 1/2"	—	2LHR2	✓ 632.50
3	3450	56HJ	TEFC	208-230/460	8.4-7.6/3.8	84.0%	10 3/4"	5/8"	2 1/2"	—	2LHR3	✓ 645.50
Jet Pump Motors, Face-Mount												
3/4	3450	56J	TEFC	208-230/460	2.5-2.4/1.2	75.5%	8 3/4"	5/8"	2 1/2"	—	2LHP3	556.00
1	3450	56J	TEFC	208-230/460	3.4-3.2/1.6	77.0%	8 3/4"	5/8"	2 1/2"	—	2LHP4	567.50
1 1/2	3450	56J	TEFC	208-230/460	4.4-4.2/2.1	81.5%	9 3/4"	5/8"	2 1/2"	—	2LHP5	✓ 596.50
2	3450	56J	TEFC	208-230/460	5.8-5.6/2.8	82.5%	10 1/4"	5/8"	2 1/2"	—	2LHP6	✓ 632.50
3	3450	56J	TEFC	208-230/460	8.4-7.6/3.8	84.0%	10 3/4"	5/8"	2 1/2"	—	2LHP7	✓ 647.00



Dayton®

Stainless Steel Washdown Motors

- Insulation: Class F
- 1-phase models meet NEMA MG1-1.26.6
- Max. ambient: 40°C
- Thermal protection: none, except Nos. 12V772 to 12V775 are auto
- Bearings: ball
- Rotation: CW/CCW

All exterior components are 300 Series stainless steel to provide maximum corrosion resistance in severe-duty and washdown environments. Motors are well-sealed against moisture and condensation to protect internal components, and exteriors are completely paint- and coating-free. Heavy polyester insulating varnish applied to the windings for extra moisture and corrosion resistance. Moisture-resistant sealant between frame and endbells. Double-sealed oversized bearings with rust-inhibitive grease. Shaft-end bearing is locked internally to limit axial endplay. 4 drains in each endshield allow drainage of condensation in any mounting position. For use in the food processing, chemical processing, and beverage industries. UL Recognized, CSA Certified. 3-phase models are also CE Certified.

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Overall Length	Shaft Dia.	Shaft Length	Foot-notes	Item No.	\$ Each
1-Phase												
Totally Enclosed Fan-Cooled, Face-Mount												
3/4	1745	56C	115/208-230	7.6/4.0-3.8	1.15	78.0%	13 1/8"	5/8"	1 1/8"	—	11G244	684.00
1	1745	56C	115/208-230	11.2/5.8-5.6	1.15	66.0%	13 3/8"	5/8"	1 1/8"	—	11G245	709.00
1 1/2	1745	56C	115/208-230	14.8/7.6-7.4	1.15	81.0%	14 3/8"	5/8"	1 1/8"	—	11G246	✓ 767.00
3/4	3450	56C	208-230	8.9-7.4	1.15	83.0%	14 3/8"	5/8"	1 1/8"	—	11G247	✓ 795.50
2	1745	56C	208-230	9.9-8.5	1.0	80.0%	14 7/8"	5/8"	1 1/8"	—	11G248	✓ 836.00
Totally Enclosed Fan-Cooled, Face/Base-Mount												
1/2	1745	56HC	115/208-230	5.0/2.6-2.5	1.15	77.3%	13 1/8"	5/8"	1 1/8"	—	11G252	✓ 651.50
3/4	1745	56HC	115/208-230	7.6/4.0-3.8	1.15	78.0%	13 1/8"	5/8"	1 1/8"	—	11G253	✓ 712.50
1	1745	56HC	115/208-230	11.2/5.8-5.6	1.15	66.0%	13 3/8"	5/8"	1 1/8"	—	11G254	✓ 718.00
1 1/2	1745	56HC	115/208-230	14.8/7.6-7.4	1.15	81.0%	14 3/8"	5/8"	1 1/8"	—	11G255	✓ 796.00
2	3450	56HC	208-230	8.9-7.9	1.15	83.0%	14 3/8"	5/8"	1 1/8"	—	11G256	✓ 834.00
2	1745	56HC	208-230	9.9-8.5	1.0	80.0%	14 7/8"	5/8"	1 1/8"	—	11G257	✓ 880.50
Totally Enclosed Air-Over, Yoke-Mount												
1/4	1075	48YZ	115	—	1.0	55.3%	11 19/32"	1/2"	4 1/16"	—	12V772	461.50
1/3	1075	48YZ	115	4.1	1.0	53.4%	11 19/32"	1/2"	4 1/16"	—	12V773	✓ 478.00
1/2	1075	48YZ	115	5.8	1.0	63.3%	12 5/16"	1/2"	4 1/16"	—	12V774	✓ 521.00
1/2	1075	48YZ	115	5.8	1.0	63.3%	12 5/16"	5/8"	4 1/16"	—	12V775	✓ 521.00
3-Phase												
Totally Enclosed Nonventilated, Face-Mount												
1/2	1745	56C	208-230/460	1.8-1.6/0.8	1.15	82.5%	9 3/4"	5/8"	1 1/8"	1	6WY53	✓ 580.00
1	1155	56C	208-230/460	1.9-1.8/0.9	1.15	80.0%	9 3/4"	5/8"	1 1/8"	1	6WY51	691.00
3/4	1745	56C	208-230/460	2.3-2.2/1.1	1.15	82.5%	9 3/4"	5/8"	1 1/8"	1	6WY55	691.00
1	1155	56C	208-230/460	3.8-3.7/1.85	1.15	80.0%	11 1/16"	5/8"	1 1/8"	1	6WY54	703.00
1	1740	56C	208-230/460	3.1-3.0/1.5	1.15	81.5%	11 1/16"	5/8"	1 1/8"	1	6WY57	673.50
Totally Enclosed Nonventilated, Face/Base-Mount												
1/3	3500	56C	208-230/460	1.2-1.1/0.55	1.15	74.0%	9 3/8"	5/8"	1 1/8"	1	6WY29	✓ 548.00
1/2	1745	56C	208-230/460	1.4-1.2/0.6	1.15	78.5%	9 1/8"	5/8"	1 1/8"	1	6WY28	✓ 603.50
3/4	3460	56C	208-230/460	1.6-1.5/0.75	1.15	77.0%	9 3/8"	5/8"	1 1/8"	1	6WY32	✓ 561.00
1	1745	56C	208-230/460	1.8-1.6/0.8	1.15	81.5%	9 3/8"	5/8"	1 1/8"	1	6WY31	✓ 601.00
1	1155	56C	208-230/460	1.9-1.8/0.9	1.15	78.5%	9 3/8"	5/8"	1 1/8"	1	6WY30	✓ 680.00
1	3500	56C	208-230/460	2.3-2.2/1.1	1.15	78.5%	9 3/8"	5/8"	1 1/8"	1	6WY35	✓ 619.00
3/4	1745	56C	208-230/460	2.3-2.2/1.1	1.15	82.5%	9 3/8"	5/8"	1 1/8"	1	6WY34	694.00
1	1155	56HC	208-230/460	3.8-3.7/1.85	1.15	80.0%	11 1/16"	5/8"	1 1/8"	1	6WY33	✓ 719.50
1	1740	56HC	208-230/460	3.1-3.0/1.5	1.15	81.5%	11 1/16"	5/8"	1 1/8"	1	6WY38	✓ 696.00
Totally Enclosed Fan-Cooled, Face-Mount												
1	1750	143TC	208-230/460	3.1-2.9/1.45	1.15	82.5%	13 1/4"	7/8"	2 1/4"	2	6WY58	✓ 736.00
1	1165	56C	208-230/460	4.2-4.0/2.0	1.15	82.5%	13 1/4"	5/8"	1 1/8"	2	6WY56	✓ 744.00
1 1/2	1750	145TC	208-230/460	4.7-4.6/2.3	1.15	84.0%	13 1/4"	7/8"	2 1/4"	2	6WY60	✓ 765.00
1 1/2	1750	56C	208-230/460	4.1-4.0/2.0	1.15	84.0%	13 1/4"	5/8"	1 1/8"	2	6WY59	729.00
2	1750	145TC	208-230/460	6.2-6.0/3.0	1.15	84.0%	13 1/4"	7/8"	2 1/4"	2	6WY61	✓ 857.50
2	1750	56C	208-230/460	6.2-6.0/3.0	1.15	84.0%	13 1/4"	5/8"	1 1/8"	2	6WY62	✓ 836.00
Totally Enclosed Fan-Cooled, Face/Base-Mount												
1	3470	56C	208-230/460	2.9-2.8/1.4	1.15	80.0%	11 5/8"	5/8"	1 1/8"	2	6WY40	688.50
1	1750	143TC	208-230/460	3.1-2.9/1.45	1.15	85.5%	13 19/16"	7/8"	2 1/4"	2	4GP9	✓ 752.00
1	1165	145TC	208-230/460	4.2-4.0/2.0	1.15	82.5%	12 9/16"	7/8"	2 1/4"	2	4GPT1	✓ 747.00
1	1165	56HC	208-230/460	4.2-4.0/2.0	1.15	80.0%	13 1/4"	5/8"	1 1/8"	2	6WY36	✓ 732.50
1 1/2	3480	56HC	208-230/460	4.2-4.0/2.0	1.15	84.0%	13 1/4"	5/8"	1 1/8"	2	6WY44	✓ 736.00
1 1/2	1750	145TC	208-230/460	4.1-4.0/2.0	1.15	86.5%	12 9/16"	7/8"	2 1/4"	2	4GPT2	✓ 795.50
1	1750	56HC	208-230/460	4.1-4.0/2.0	1.15	84.0%	13 1/4"	5/8"	1 1/8"	2	6WY42	✓ 795.50
1	3480	145TC	208-230/460	4.9-4.8/2.4	1.15	85.5%	13 19/16"	7/8"	2 1/4"	2	4GPT3	✓ 925.00
2	3480	56HC	208-230/460	4.9-4.8/2.4	1.15	84.0%	13 1/4"	5/8"	1 1/8"	2	6WY48	✓ 823.00
2	1750	145TC	208-230/460	6.2-6.0/3.0	1.15	86.5%	13 19/16"	7/8"	2 1/4"	2	4GPT4	✓ 926.00
2	1750	56HC	208-230/460	6.2-6.0/3.0	1.15	84.0%	13 1/4"	5/8"	1 1/8"	2	6WY46	✓ 838.00
3	3510	182TC	208-230/460	9.5-8.0/4.0	1.15	86.5%	16 15/16"	1 1/8"	2 3/4"	3	2RKY6	✓ 1,546.00
3	1750	182TC	208-230/460	9.8-8.1/4.05	1.15	89.5%	16 15/16"	1 1/8"	2 3/4"	3	2RKY5	✓ 1,543.00
5	3525	184TC	208-230/460	14.0-12.5/6.2	1.15	88.5%	16 15/16"	1 1/8"	2 3/4"	3	2RKY8	✓ 1,787.00
7 1/2	1765	184TC	208-230/460	13.5-11.8/5.9	1.15	89.5%	16 15/16"	1 1/8"	2 3/4"	3	2RKY7	✓ 1,726.00
7 1/2	3520	213TC	208-230/460	18.6-17.0/9.3	1.15	89.5%	21 1/2"	1 3/8"	3 3/8"	3	2RKZ1	✓ 2,100.00
10	1755	213TC	208-230/460	18.5-17.0/9.3	1.15	91.7%	21 1/2"	1 3/8"	3 3/8"	3	2RKY9	✓ 2,168.00
10	3525	215TC	208-230/460	26.0-24.4/12.2	1.15	90.2%	22 5/16"	1 3/8"	3 3/8"	3	2RKZ3	✓ 2,352.00
15	1760	215TC	208-230/460	28.0-25.4/12.7	1.15	91.7%	22 5/16"	1 3/8"	3 3/8"	3	2RKZ2	✓ 2,392.00
15	3450	254TC	208-230/460	39.5-35.8/17.9	1.15	91.0%	23 3/4"	1 3/8"	4"	3	2RKZ5	✓ 4,732.00
15	1765	254TC	208-230/460	42.0-38.2/19.1	1.15	92.4%	23 3/4"	1 3/8"	4"	3	2RKZ4	✓ 4,701.00
20	3450	256TC	208-230/460	48.0-45.0/22.5	1.15	91.0%	22 5/16"	1 3/8"	4"	3	2RKZ7	✓ 5,573.00
20	1765	256TC	208-230/460	48.0-45.0/22.5	1.15	93.0%	25 5/16"	1 3/8"	4"	3	2RKZ6	✓ 5,312.00

Footnotes: 1—Inverter duty, 10:1 variable and 6:1 constant torque. 2—Inverter duty, 10:1 variable and 3:1 constant torque. 3—Inverter duty, 10:1 variable and 4:1 constant torque.



ExtremeDuck

Stainless Steel Encapsulated 3-Phase Washdown Motors

- Service factor: 1.15
- Insulation: Class F
- Inverter rated, see table footnotes for details
- Max. ambient: 40°C
- Thermal protection: none
- Bearings: sealed ball
- Rotation: CW/CCW

Feature Hydro Sealed System HS₂ that protects from the "outside-in" to reduce entrance points of contamination. Design minimizes exterior hardware and reduces surfaces that may trap application elements. Screw-on conduit box covers with O-rings for sealing. Suitable for use in food processing and pharmaceutical applications as well as in beverage, bottling and sewage treatment plants. UL Recognized, CSA Certified, BISSC Certified.



Face-Mount



Face/Base-Mount

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Nom. Efficiency	Length Less Shaft	Shaft Dia.	Shaft Length	Foot-notes	Mfr. Model	Item No.	\$ Each
Face-Mount												
Totally Enclosed Nonventilated												
1/2	3450	56C	208-230/460	1.7-1.6/0.8	82.5%	8 5/8"	5/8"	1 7/8"	2,11	117126.00	4YEE9	✓ 998.00
	1725	56C	208-230/460	1.7-1.6/0.8	78.5%	8 7/8"	5/8"	1 7/8"	8,11	117127.00	4YEF1	✓ 1,009.00
3/4	3450	56C	208-230/460	2.6-2.4/1.2	84.0%	8 5/8"	5/8"	1 7/8"	8,11	117128.00	4YEF2	✓ 1,006.00
	1725	56C	208-230/460	2.4-2.3/1.15	80.0%	9 9/16"	5/8"	1 7/8"	8,11	117129.00	4YEF3	✓ 1,046.00
1	3450	56C	208-230/460	2.8-2.6/1.3	85.5%	9 1/4"	5/8"	1 7/8"	8,11	117130.00	4YEF4	✓ 1,050.00
	1725	56C	208-230/460	3.1-3.0/1.5	81.5%	10 1/8"	5/8"	1 7/8"	8,11	117131.00	4YEF5	✓ 1,094.00
Totally Enclosed Fan-Cooled												
1 1/2	3490	143TC	208-230/460	4.4-4.0/2.0	82.5%	8 7/8"	7/8"	2 1/8"	8,11	121750.00	4YEF6	✓ 1,172.00
	1740	56C	208-230/460	4.5-4.4/2.2	84.0%	9 9/16"	5/8"	2 1/8"	8,11	117297.00	4YEF7	✓ 1,229.00
	1740	143TC	208-230/460	4.5-4.4/2.2	84.0%	9 9/16"	7/8"	2 1/8"	8,11	121751.00	4YEF8	✓ 1,205.00
2	3490	145TC	208-230/460	5.6-5.2/2.6	84.0%	10 1/8"	7/8"	2 1/8"	8,11	121742.00	4YEF9	✓ 1,262.00
	1740	56C	208-230/460	6.0-5.6/2.8	84.0%	10 1/8"	5/8"	2 1/8"	8,11	117298.00	4YEG1	✓ 1,270.00
	1740	145TC	208-230/460	6.0-5.6/2.8	84.0%	10 1/8"	7/8"	2 1/8"	8,11	121743.00	4YEG2	✓ 1,270.00
Face/Base-Mount												
Totally Enclosed Nonventilated												
1/2	3450	56C	208-230/460	1.7-1.6/0.8	82.5%	8 5/8"	5/8"	1 7/8"	2,11	117118.00	4YED6	✓ 1,066.00
	1725	56C	208-230/460	1.7-1.6/0.8	78.5%	8 7/8"	5/8"	1 7/8"	8,11	117119.00	4YED7	✓ 1,078.00
3/4	3450	56C	208-230/460	2.6-2.4/1.2	84.0%	8 5/8"	5/8"	1 7/8"	8,11	117120.00	4YED8	✓ 1,111.00
	1725	56C	208-230/460	2.4-2.3/1.15	80.0%	9 9/16"	5/8"	1 7/8"	8,11	117121.00	4YED9	✓ 1,114.00
1	3450	56C	208-230/460	2.8-2.6/1.3	85.5%	9 1/4"	5/8"	1 7/8"	8,11	117122.00	4YEE1	✓ 1,138.00
	1725	56C	208-230/460	3.1-3.0/1.5	81.5%	10 1/8"	5/8"	1 7/8"	8,11	117123.00	4YEE2	✓ 1,138.00
Totally Enclosed Fan-Cooled												
1 1/2	3490	143TC	208-230/460	4.4-4.0/2.0	84.0%	9 9/16"	7/8"	2 1/8"	8,11	121879.00	5XAR8	✓ 1,363.00
	1750	143TC	208-230/460	4.6-4.8/2.4	86.5%	10 1/8"	7/8"	2 1/8"	8,11	121880.00	5XAR9	✓ 1,476.00
	1740	56C	208-230/460	4.5-4.4/2.2	84.0%	9 13/16"	5/8"	1 7/8"	8,11	117296.00	4YEE4	✓ 1,273.00
2	3490	145TC	208-230/460	5.2-4.8/2.4	85.5%	10 1/8"	7/8"	2 1/8"	8,11	121881.00	5XAT0	✓ 1,496.00
	1745	145TC	208-230/460	6.0-5.8/2.9	86.5%	11 1/8"	7/8"	2 1/8"	8,11	121882.00	5XAT1	✓ 1,503.00
	1740	56C	208-230/460	6.0-5.6/2.8	84.0%	10 13/16"	5/8"	1 7/8"	8,11	117299.00	4YEE7	✓ 1,300.00

Footnotes: 2—50 Hz operation on 190/380V at rated HP and % of 60 Hz RPM, 8—50 Hz operation on 190/380V at % of 60 Hz HP and RPM at full SF. 11—Inverter duty, 10:1 variable and 10:1 constant torque.



Stainless Steel C-Face Right-Angle Speed Reducers and Bases

- Left output shaft
- Standard input for NEMA 56C and 140TC/180C motors
- Sealed for life, and lubricated with H1 food-grade lubricant (klubersynth UH1 6-460)

All exterior components are 300 Series stainless steel to provide maximum corrosion resistance. 316 stainless steel housing, motor flange, and carrier withstand tough washdown environments. Rounded housing eliminates flat surfaces to prevent standing fluid and foreign matter from accumulating. Laser-marked nameplate with smooth surface. Plastic covers for all counterbored holes. Flange design incorporates jack-bolt holes to facilitate easy motor-reducer separation. NSF Certified.

Nominal Output RPM*	NEMA Frame	Worm Center Distance	Nom. Ratio	Max. Input HP	Max. Torque	Mfr. Model	Item No.	\$ Each
30	56C	1.75"	60:1	1/8	440 in.-lb.	SSF718-60-K-B5-GS	3ZG61	✓ 1,947.00
	56C	2.06"	60:1	1/8	670 in.-lb.	SSF721-60-K-B5-GS	3ZG67	✓ 2,069.00
	56C	2.62"	60:1	3/4	1021 in.-lb.	SSF726-60-K-B5-GS	3ZGH4	✓ 3,491.00
	140TC/180C	3.25"	60:1	1	1371 in.-lb.	SSF732-60-K-B7-GS	3ZGJ1	✓ 4,930.00
35	56C	1.75"	50:1	1/8	420 in.-lb.	SSF718-50-K-B5-GS	3ZGF9	✓ 1,947.00
	56C	2.06"	50:1	1/8	630 in.-lb.	SSF721-50-K-B5-GS	3ZGG6	✓ 2,069.00
	56C	2.62"	50:1	3/4	895 in.-lb.	SSF726-50-K-B5-GS	3ZGH3	✓ 3,491.00
	140TC/180C	3.25"	50:1	1 1/2	1857 in.-lb.	SSF732-50-K-B7-GS	3ZGH9	✓ 4,930.00
44	56C	1.75"	40:1	1/8	355 in.-lb.	SSF718-40-K-B5-GS	3ZGF8	✓ 1,947.00
	56C	2.06"	40:1	1/8	533 in.-lb.	SSF721-40-K-B5-GS	3ZGG5	✓ 2,069.00
	56C	2.62"	40:1	1	1028 in.-lb.	SSF726-40-K-B5-GS	3ZGH2	✓ 3,491.00
	140TC/180C	3.25"	40:1	1 1/2	1563 in.-lb.	SSF732-40-K-B7-GS	3ZGH8	✓ 4,930.00
58	56C	1.75"	30:1	1/8	416 in.-lb.	SSF718-30-K-B5-GS	3ZGF7	✓ 1,947.00
	56C	2.06"	30:1	3/4	624 in.-lb.	SSF721-30-K-B5-GS	3ZGG4	✓ 2,069.00
	56C	2.62"	30:1	1 1/2	983 in.-lb.	SSF726-30-K-B5-GS	3ZGH1	✓ 3,491.00
	140TC/180C	3.25"	30:1	2	1689 in.-lb.	SSF732-30-K-B7-GS	3ZGH7	✓ 4,930.00
88	56C	1.75"	20:1	3/4	443 in.-lb.	SSF718-20-K-B5-GS	3ZGF6	✓ 1,947.00
	56C	2.06"	20:1	1	590 in.-lb.	SSF721-20-K-B5-GS	3ZGG3	✓ 2,069.00
	140TC/180C	2.62"	20:1	1 1/2	891 in.-lb.	SSF726-20-K-B5-GS	3ZGG9	✓ 3,491.00
	140TC/180C	3.25"	20:1	3	1816 in.-lb.	SSF732-20-K-B7-GS	3ZGH6	✓ 4,930.00
175	56C	1.75"	10:1	1	460 in.-lb.	SSF718-10-K-B5-GS	3ZGF5	✓ 1,947.00
	56C	2.06"	10:1	1	320 in.-lb.	SSF721-10-K-B7-GS	3ZGG2	✓ 2,069.00
	140TC/180C	2.62"	10:1	3	972 in.-lb.	SSF726-10-K-B7-GS	3ZGG8	✓ 3,491.00
	140TC/180C	3.25"	10:1	3	1629 in.-lb.	SSF732-10-K-B7-GS	3ZGH5	✓ 4,930.00

* @ 1750 rpm.

Worm Center Distance	Bolt Hole Dia.	Item No.	\$ Each
Stainless Steel Mounting Bases			
1.75"	2.75"	3ZGJ2	270.50
2.06"	2.88"	3ZGJ3	379.50
2.64"	3.38"	3ZGJ4	429.25
3.25"	4.00"	3ZGJ5	532.50

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

35



No. 5THX8



No. 5TJC1

Black Max® Vector-Duty 3-Phase Motors and Accessories

VECTOR-DUTY MOTORS

- Enclosure: totally enclosed nonventilated
- Mounting: rigid base
- Service factor: 1.0
- Insulation: Class F
- Max. ambient: 40°C
- Max. Operating Frequency: 120Hz
- Thermal protection: T-stat
- 230/460V
- Bearings: ball
- Rotation: CW/CCW

Designed for high-performance applications utilizing closed- or open-loop

vector controls or volts/hertz drives. Motors allow for easy installation of encoders and brakes. Suitable for machine tools, conveyors, pumps, fans, crane/hoists, and material handling.

Motor Brake Kits

- RPM range: 0 to 2X motor base speed
- Max. ambient: 40°C
- Wire termination: flying leads

For use with all Black Max® motors. Include mounting hardware. 3-yr. manufacturer's warranty. CSA Certified.

marathon™
Motors

Encoder Kits

- RPM range: 0 to 2X motor base speed
- Max. ambient: 40°C
- Wire termination: 10-pin MS connector

Designed for easy installation on all Black Max® motors. Include MS connector and mounting hardware. 3-yr. manufacturer's warranty. CE Certified. Nos. 5TJA9 and 5TJC0 are UL Recognized, Nos. 5TJC1 and 5TJC2 are UL, C-UL Recognized.

HP	Nameplate RPM	Speed Range	Max. Speed	NEMA/IEC Frame	Full Load Amps	Efficiency Group	Frame Material	Mfr. Stock No.	Item No.	\$ Each
Vector-Duty Motors										
1	1750	1000:1 CT	3600 RPM	143TC	3.0/1.5	EPAct	Rolled Steel	Y536	5THX9	✓ 620.00
	1725	1000:1 CT	3600 RPM	56C	3.0/1.5	EPAct	Rolled Steel	Y535	5THX8	✓ 682.50
	1145	1000:1 CT	2400 RPM	145TC	3.8/1.9	EPAct	Rolled Steel	Y537	5THY9	✓ 719.00
1½	1755	1000:1 CT	3600 RPM	145TC	4.8/2.4	EPAct	Rolled Steel	Y538	5THY1	✓ 768.00
2	1750	1000:1 CT	3600 RPM	145TC	6.0/3.0	EPAct	Cast Iron	Y551	5THY2	✓ 1,040.00
	1160	1000:1 CT	2400 RPM	184TC	6.6/3.3	Standard	Aluminum	Y540	5THY3	✓ 1,519.00
3	1755	1000:1 CT	3600 RPM	182TC	8.4/4.2	Standard	Aluminum	Y541	5THY4	✓ 1,291.00
5	1765	1000:1 CT	3600 RPM	184TC	14.0/7.0	Premium	Aluminum	Y543	5THY5	✓ 1,571.00
	1165	1000:1 CT	2400 RPM	215TC	15.4/7.7	Standard	Aluminum	Y544	5THY6	✓ 2,184.00
7½	1765	1000:1 CT	3600 RPM	213TC	21.0/10.5	EPAct	Aluminum	Y545	5THY7	✓ 1,980.00
	1170	1000:1 CT	2400 RPM	254TC	22.0/11.0	Standard	Aluminum	Y546	5THY8	✓ 3,056.00
10	1774	1000:1 CT	3600 RPM	215TC	27.0/13.5	EPAct	Aluminum	Y547	5THY9	✓ 2,465.00
	1160	1000:1 CT	2400 RPM	256TC	28.0/14.0	EPAct	Aluminum	Y548	5THZ0	✓ 3,324.00
15	1765	1000:1 CT	3600 RPM	254TC	40.0/20.0	EPAct	Aluminum	Y549	5THZ1	✓ 2,875.00
20	1770	1000:1 CT	3600 RPM	256TC	52.0/26.0	Premium	Cast Iron	Y552	5THZ2	✓ 4,195.00
25	1770	1000:1 CT	3600 RPM	284TC	62.0/31.0	Premium	Cast Iron	Y553	5THZ3	✓ 4,472.00
30	1772	1000:1 CT	3600 RPM	286TC	74.0/37.0	Premium	Cast Iron	Y393	5THZ4	✓ 5,144.00
Static Torque Motor Brake Kits										
Static Torque Motor Brake Kits	Phase	Voltage	Mfr. Model	Item No.	\$ Each	Voltage	Res.	Mfr. Model	Item No.	\$ Each
6 lb-ft	1	115/208-230	BM6BRK115	5TJA3	✓ 739.50	Dyna par				
	3	230/460	BM6BRK	5TJA5	✓ 754.50	5 to 26 VDC	1024 PPR	HS351024-NV	5TJA9	✓ 1,496.00
	3	575	BM6BRK575	5TJA7	✓ 725.00	5 to 26 VDC	2048 PPR	HS352048-NV	5TJC0	✓ 1,496.00
10 lb-ft	1	115/208-230	BM10BRK115	5TJA4	✓ 897.50	BEI				
	3	230/460	BM10BRK	5TJA6	✓ 897.50	5 to 28 VDC	1024 PPR	HS35B1024-NV	5TJC1	✓ 1,496.00
	3	575	BM10BRK575	5TJA8	✓ 880.00	5 to 28 VDC	2048 PPR	HS35B2048-NV	5TJC2	✓ 1,496.00



No. 5THW5

microMAX™ Vector-Duty 3-Phase Motors

- Service factor: 1.0
- Insulation: Class H
- Max. ambient: 40°C

Suitable as a direct replacement for PMDC systems, multispeed motors, single-phase, and as a variable-speed upgrade from standard fixed-speed motor systems.

marathon™
Motors

HP	Nameplate RPM	Speed Range	Max. Speed	NEMA/IEC Frame	Voltage	Full Load Amps	Efficiency Group	Frame Material	Base	Mfr. Stock No.	Item No.	\$ Each
1/8	1725	1000:1 CT	3600 RPM	56C	230	0.66	Standard	TENV	Rigid	Y605	5THW5	✓ 255.25
1/4	1725	1000:1 CT	3600 RPM	56C	230	1.0	Standard	TENV	Rigid	Y500	5THW6	✓ 281.50
1/3	1725	1000:1 CT	3600 RPM	56C	230	1.2	Standard	TENV	Rigid	Y502	5THW7	✓ 296.75
1/2	1725	1000:1 CT	3600 RPM	56C	230/460	1.8/0.9	Standard	TENV	Rigid	Y360	5THW8	✓ 355.75
3/4	1725	20:1 CT	3600 RPM	56C	230/460	2.8/1.4	Standard	TEFC	Rigid	Y362	5THW9	✓ 439.00
1	1725	20:1 CT	3600 RPM	56C	230/460	3.2/1.6	Standard	TEFC	Rigid	Y364	5THX0	✓ 494.75
1 1/2	1755	1000:1 CT	3600 RPM	145TC	230/460	4.8/2.4	EPAct	TENV	Removable	Y366	5THX1	✓ 604.00
2	1740	20:1 CT	3600 RPM	145TC	230/460	5.8/2.9	Standard	TEFC	Rigid	Y368	5THX2	✓ 817.00
3	1735	20:1 CT	3600 RPM	182TCZ	230/460	8.4/4.2	Standard	TEFC	Rigid	Y370	5THX3	✓ 943.50
7 1/2	1770	20:1 CT	3600 RPM	213TC	230/460	21.4/10.7	EPAct	TEFC	Removable	Y994	5THX6	✓ 1,434.00
10	1770	20:1 CT	3600 RPM	215TC	230/460	27.6/13.8	EPAct	TEFC	Removable	Y996	5THX7	✓ 1,869.00



No. 5THZ9

Max Plus Vector-Duty 3-Phase Motors

- Enclosure: totally enclosed nonventilated
- Service factor: 1.0
- Insulation: Class H
- Max. ambient: 40°C

- Max. Operating Frequency: 120Hz
- 230/460V
- Bearings: ball
- Rotation: CW/CCW

Designed as a plug-and-play motor/encoder combo unit compatible with most closed-loop vector-duty applications.

marathon™
Motors

HP	Nameplate RPM	Speed Range	Max. Speed	NEMA/IEC Frame	Full Load Amps	Efficiency Group	Frame Material	Base	Mfr. Stock No.	Item No.	\$ Each
1/2	1725	1000:1 CT	3600 RPM	56C	1.6/0.8	Standard	Rolled Steel	Removable	Y280	5THZ5	✓ 1,075.00
3/4	1725	1000:1 CT	3600 RPM	56C	2.4/1.2	Standard	Rolled Steel	Removable	Y281	5THZ6	✓ 1,105.00
1	1725	1000:1 CT	3600 RPM	56C	3.0/1.5	EPAct	Rolled Steel	Removable	Y282	5THZ7	✓ 1,190.00
1 1/2	1755	1000:1 CT	3600 RPM	145TC	4.8/2.4	Standard	Rolled Steel	Removable	Y284	5THZ9	✓ 1,390.00
2	1750	1000:1 CT	3600 RPM	145TC	6.0/3.0	EPAct	Cast Iron	Rigid	Y285	5TJA0	✓ 1,900.00
3	1755	1000:1 CT	3600 RPM	182TC	8.4/4.2	Standard	Aluminum	Rigid	Y286	5TJA1	✓ 2,136.00
5	1765	1000:1 CT	3600 RPM	184TC	14.0/7.0	Premium	Aluminum	Rigid	Y287	5TJA2	✓ 2,325.00

Stepping Motors

Autonics
Sensors & Controllers



For locations with limited space and where a high-speed, high-torque motor is required. Ideal for indexing and other rapid positioning applications. No maintenance or communication problems as found with servo motors. Each stepping motor requires a motor driver and motion controller (not included, sold separately on this page).

Frame Size	Max. Holding Torque	Amps Per Phase	Winding Resist.	Rotor Inertia	Shaft Dia.	Shaft Length	Length Less Shaft	Gear Ratio	Driver Required	Mfr. Model	Item No.	\$ Each
2-Phase Shaft												
NEMA 17 / 42mm	0.20 N-m / 28.61 oz-in	1.2	2.7 ohms	33.0 g-cm ²	5mm	21mm	1 5/16"	—	D	A2K-M243	5PFF1	✓ 52.90
	0.34 N-m / 48.33 oz-in	1.2	2.80 ohms	72.0 g-cm ²	5mm	18mm	1 7/8"	—	D	A4K-M245	5PFF2	✓ 77.40
NEMA 23 / 56mm	1.54 N-m / 218.03 oz-in	2	2.50 ohms	470.0 g-cm ²	8mm	19mm	3 1/16"	—	D	A16K-G268	5PFF3	✓ 181.50
5-Phase Shaft												
24mm	0.03 N-m / 3.89 oz-in	0.75	1.70 ohms	8.2 g-cm ²	5mm	13.5mm	11 9/16"	—	A or B	04K-S525	5PFD0	✓ 330.00
NEMA 17 / 42mm	0.24 N-m / 33.33 oz-in	0.75	2.20 ohms	68.0 g-cm ²	5mm	18mm	1 7/8"	—	A or B	A3K-S545	5PFD1	✓ 239.50
NEMA 24 / 60mm	1.63 N-m / 230.53 oz-in	1.4	1.80 ohms	560.0 g-cm ²	8mm	22.5mm	3 1/2"	—	A or B	A16K-M569	5PFD5	✓ 325.00
	1.63 N-m / 230.53 oz-in	2.8	0.56 ohms	560.0 g-cm ²	8mm	22.5mm	3 1/2"	—	C	A16K-G569	5PFD6	✓ 330.50
NEMA 34 / 85mm	6.18 N-m / 874.91 oz-in	1.4	3.92 ohms	4000.0 g-cm ²	14mm	35mm	5 1/16"	—	A or B	A63K-M5913	5PFE3	✓ 804.50
	6.18 N-m / 874.91 oz-in	2.8	0.86 ohms	4000.0 g-cm ²	14mm	35mm	5 1/16"	—	C	A63K-G5913	5PFE4	✓ 789.00
Geared Shaft												
NEMA 17 / 42mm	1.47 N-m / 208.31 oz-in	0.75	2.20 ohms	68.0 g-cm ²	8mm	18mm	2 15/16"	10:1	A or B	A15K-S545 - G10	5PFD4	✓ 495.50
	0.98 N-m / 138.87 oz-in	0.75	1.70 ohms	68.0 g-cm ²	8mm	18mm	2 15/16"	5:1	A or B	A10K-S545 - G5	5PFD3	✓ 495.50
NEMA 24 / 60mm	3.43 N-m / 486.06 oz-in	1.4	1.10 ohms	280.0 g-cm ²	12mm	28.4mm	5 5/8"	—	A or B	A35K-M566 - G5	5PFD9	✓ 645.00
	4.90 N-m / 694.37 oz-in	1.4	1.10 ohms	280.0 g-cm ²	12mm	28.4mm	5 5/8"	10:1	A or B	A50K-M566 - G10	5PFE0	✓ 645.00
	13.73 N-m / 1944.23 oz-in	1.4	2.60 ohms	2700.0 g-cm ²	18mm	32mm	5 11/16"	5:1	A or B	A140K-G599 - G5	5PFE7	✓ 989.00
NEMA 34 / 85mm	13.73 N-m / 1944.23 oz-in	2.8	0.58 ohms	2700.0 g-cm ²	18mm	32mm	5 11/16"	5:1	C	A200KM599G10	5PFE8	✓ 989.00
	19.61 N-m / 2777.48 oz-in	1.4	2.60 ohms	2700.0 g-cm ²	18mm	32mm	5 11/16"	10:1	A or B	A200KM599G10	5PFE9	✓ 969.50
	19.61 N-m / 2777.48 oz-in	2.8	0.58 ohms	2700.0 g-cm ²	18mm	32mm	5 11/16"	10:1	C	A200K-G599 - G10	5PFF0	✓ 989.00
Rotary Actuator												
NEMA 24 / 60mm	4.90 N-m / 694.37 oz-in	1.4	1.10 ohms	280.0 g-cm ²	—	—	3 1/16"	5:1	A or B	A35K-M566 - R5	5PFE1	✓ 719.50
	4.90 N-m / 694.37 oz-in	1.4	1.10 ohms	280.0 g-cm ²	—	—	3 1/16"	10:1	A or B	A50K-M566 - R10	5PFE2	✓ 719.50
Frame Size	Max. Holding Torque	Amps Per Phase	Winding Resist.	Rotor Inertia	Bore Dia.	Length Thru Bore	Length Less Shaft	Driver Required	Mfr. Model	Item No.	\$ Each	
5-Phase Hollow Shaft												
NEMA 17 / 42mm	0.24 N-m / 33.33 oz-in	0.75	2.20 ohms	68.0 g-cm ²	6mm	52mm	1 7/8"	A or B	AH3K-S545	5PFD2	✓ 419.75	
	1.63 N-m / 230.53 oz-in	1.4	1.80 ohms	560.0 g-cm ²	9mm	89.8mm	3 1/2"	A or B	AH16K-M569	5PFD7	✓ 497.00	
NEMA 24 / 60mm	1.63 N-m / 230.53 oz-in	2.8	0.56 ohms	560.0 g-cm ²	9mm	89.8mm	3 1/2"	C	AH16K-G569	5PFD8	✓ 497.00	
	6.18 N-m / 874.91 oz-in	1.4	3.92 ohms	4000.0 g-cm ²	10mm	133mm	5 1/16"	A or B	AH63K-M5913	5PFE5	✓ 1,145.00	
	6.18 N-m / 874.91 oz-in	2.8	0.86 ohms	4000.0 g-cm ²	10mm	133mm	5 1/16"	C	AH63K-G5913	5PFE6	✓ 1,145.00	

Stepping Motor Drivers

Autonics
Sensors & Controllers



Compact drivers are 24VDC or 100 to 220VAC power supply compatible. Feature adjustable run/stop current and self-diagnosis test function. Full, half, and microstep in 1 driver. Can perform very slow rotations and high-precision positioning. Compatible with Programmable Motion Controller (PMC) or Programmable Logic Controller (PLC) with pulse generation option.

No. 5PFF4

No. 5PFF7

* kpps = Kilo Pulses per Second.

Stepping Motor Motion Controllers

Autonics
Sensors & Controllers

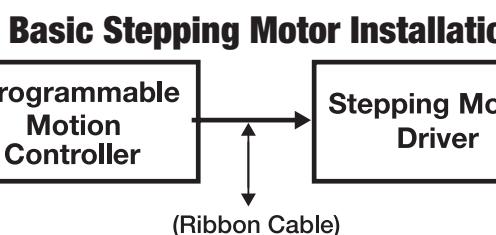
Compact and suitable for both 2- and 5-phase systems. Controllers have 4 operation modes, 12 control commands, and 64 different steps of operation. Easy application changes with downloadable software (included). Single (X) or dual (X and Y) axis control selectable. Inputs for start/stop program functions, limit/home hardware switches, and home search commands. Outputs for X/Y end pulses, errors, and 24DC sensor power supply. Connectors and PC software included. Ribbon cable required, sold separately.



Driver Key	Phase	Voltage	Amps Per Phase	Run Method	Res./Microstep Divisions	Max. Input Pulse Frequency	Min. Input Pulse Width	W	H	D	Mfr. Model	Item No.	\$ Each
A	5	20-35 VDC	1.4	Bipolar	1, 2, 4, 5, 8, 10, 16, 20, 25, 40, 50, 80, 100, 125, 200, 250	1000 kpps*	0.5 microsec	1 1/16"	4 1/8"	3 1/16"	MD5-HD14	5PFF4	✓ 637.50
B	5	100-220 VAC	1.4	Bipolar	1, 2, 4, 5, 8, 10, 16, 20, 25, 40, 50, 80, 100, 125, 200, 250	500 kpps*	0.1 microsec	1 1/16"	6 1/16"	5 5/8"	MD5HF14	5PFF5	✓ 837.00
C	5	100-220 VAC	2.8	Bipolar	1, 2, 4, 5, 8, 10, 16, 20, 25, 40, 50, 80, 100, 125, 200, 250	500 kpps*	0.1 microsec	2 1/8"	7 7/8"	5 5/8"	MD5-HF28	5PFF6	✓ 1,122.00
D	2	24-35 VDC	2.0	Unipolar	1, 2, 4, 5, 8, 10, 16, 20	50 kpps*	10 microsec	1 1/16"	4 1/8"	3 1/16"	MD2U-MD20	5PFF7	✓ 299.75

* Mpps=Mega Pulses per Second.

No. 5PFF9



IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.



12VDC
No. **6MK98**



180VDC
No. **4Z379**

12, 24, 90, and 180VDC Permanent Magnet Motors

Dayton®

- Service factor: 1.0
- Max. ambient: 40°C
- Bearings: ball
- Rotation: CW/CCW

Designed for use with speed controls or NEMA Type K DC power supplies on constant or diminishing torque applications. Performance matched with Dayton® and Dart Speed Controls listed on pages 346 and 347. 90V and 180V 56 frame and above feature a tapped hole on the fan end shaft to mount a No. 6Z392 or No. 5JJ65 pulse generator (see page 347). 56C frame models have a removable base. 42CZ frame models have ½" dia. shaft and no base. 12V and 24V units are UL Recognized (E57948) and CSA Certified (LR33543); 90V and 180V units are UL Recognized (E47479).

HP	Nameplate RPM	NEMA/IEC Frame	Enclosure	Full Load Amps	Overall Length	Insulation Class	Item No.	\$ Each
12VDC								
1/4	1800	56C	TENV	21.0	10 1/4"	F	6MK98 ✓	575.00
1/3	1800	56C	TENV	27.0	10 3/4"	F	6MK99 ✓	632.50
1/2	1800	56C	TENV	39.0	11 1/4"	H	6ML02 ✓	648.00
3/4	1800	56C	TEFC	58.0	13 1/4"	F	6ML04 ✓	719.50
1	1800	56C	TEFC	80.0	13 13/16"	H	6ML06 ✓	856.00
24VDC								
1/8	1800	56C	TENV	13.5	10 3/4"	F	6ML01 ✓	580.00
1/4	1800	56C	TENV	20.0	11 1/4"	F	6ML03 ✓	626.00
3/8	1800	56C	TEFC	29.0	12 1/4"	F	6ML05 ✓	653.50
1	1800	56C	TEFC	39.0	13 1/4"	H	6ML07 ✓	790.50
90VDC								
1/4	1750	56C	TEFC	2.5	10 13/16"	F	2M167 ✓	422.00
1/3	1750	56C	TEFC	3.5	11 1/16"	F	2M509 ✓	509.00
1/2	1750	56C	TEFC	5.0	11 13/16"	F	2M168 ✓	503.00
3/4	1750	56C	TEFC	16.0	13 1/4"	F	2M169 ✓	648.50
1	1750	56C	TEFC	10.0	14 13/16"	F	2M170 ✓	820.00
180VDC								
1/2	1750	56C	TEFC	2.5	11 13/16"	F	4Z524 ✓	507.50
3/4	1750	56C	TEFC	3.8	13 1/4"	F	4Z525 ✓	669.50
1	1750	56C	TEFC	5.0	14 1/4"	F	4Z378 ✓	820.00
1 1/2	1750	143/145TC	TEFC	7.5	18 1/4"	H	4Z379 ✓	1,457.00
2	1750	143/145TC	TEFC	9.5	17 1/4"	H	4Z380 ✓	1,580.00
3	1750	143/145TC	TEFC	15.0	22 1/16"	H	6Z791 ✓	2,346.00

For Use With

Replacement DC Brush

Mfr. No. 22230000, 22230100, 22230500, 22230200,
22308100, 22230300, 22230400, 22230700

Includes

Brush Only (1)

2ZB83 **18.93**



No. **4Z248**

90 and 180VDC Permanent Magnet Motors with Control

Dayton®

- Enclosure: totally enclosed fan-cooled
- Input: 115 or 230VAC, 60/50 Hz (No. **4Z226** requires 250V, 20A receptacle)
- Mounting: C-face with removable rigid base
- Insulation: Class F
- Max. ambient: 40°C
- Bearings: ball
- Rotation: CW/CCW
- 50:1 control speed range

No wiring required; plug control's 9-ft. 3-cond. cord into standard AC receptacle. Motor and control are factory-matched. The control can be removed for remote mounting. Control regulates speeds within 1% of nameplate rpm and provides full-wave rectification with min./max. speed, current/torque limit, fixed IR compensation, fixed acceleration, transient and surge protection, and front-panel fuse protection. Forward/Off/Reverse switch and Power On indicator light. Control only is UL and C-UL Listed. Motor only is UL Recognized.

HP	Nameplate RPM	NEMA/IEC Frame	Full Load Amps	Max. Torque	Overall Length	Item No.	\$ Each
115VAC Input, 90VDC Armature							
1/4	1750	56C	2.5	9.1 in.-lb.	15 1/2"	4Z248 ✓	961.00
1/2	1750	56C	5.0	18.2 in.-lb.	16 1/2"	1F800 ✓	1,043.00
3/4	2500	56C	7.6	18.9 in.-lb.	16 1/2"	2Z846 ✓	1,204.00
3/4	1750	56C	7.6	.27 in.-lb.	18 1/2"	1F796 ✓	1,307.00
1	1750	56C	10.0	36.6 in.-lb.	20 1/2"	1F798 ✓	1,883.00
230VAC Input, 180VDC Armature							
1 1/2	2500	56C	7.5	37.8 in.-lb.	19 1/2"	4Z226 ✓	2,022.00



12VDC Permanent Magnet Motor

Dayton®

- Enclosure: totally enclosed nonventilated
- Insulation: Class A
- Max. ambient: 40°C

- Bearings: self-aligning sleeve
- Rotation: CW/CCW

Shaft is 1/4" x 1" with flat. 3 1/8"-dia. body mounts with 1/2"-long studs, 2 5/16" on center.

HP	Nameplate RPM	Voltage	Full Load Amps	Overall Length (in.)	Item No.	\$ Each
1/35	2350	12VDC	3.8	4 1/8"	3LCH7 ✓	51.15

12/24, 90, and 180VDC Permanent Magnet Motors



- Enclosure: totally enclosed nonventilated
- Insulation: Class B
- Max. ambient: 40°C
- Bearings: ball
- Rotation: CW/CCW

UL Recognized.

Note: Use with Type K DC rectified power sources matched to voltage (providing form factor does not exceed 1.3); see pages 346 and 347.



No. 3XE19

HP	Nameplate RPM	Full Load Torque (in.-lb.)	Full Load Amps	Overall Length (in.)	Shaft Dia. (in.)	Base Mounting O.C. (in.)	Face Mounting O.C. (in.)	Item No.	\$ Each
12/24VDC, TENV									
1/44 / 1/16	1800 / 4300	0.81	2.4	5 15/16	1/4	4 3/16 x 1 1/4	1 3/4 x 1 1/4	3XE19 ✓	155.50
1/20 / 1/8	1725 / 4000	1.81	5.1	6 7/16	5/16	4 15/16 x 1 1/4	1 3/4 x 1 1/4	3XE20 ✓	160.00
1/7 / 1/4	1750 / 3900	5.63	14.0	8 3/16	1/2	6 7/16 x 2	2 5/8 x 2 5/8	4Z143 ✓	265.50
1/4 / 1/8	1750 / 4200	2.56	6.9	6 5/8	1/2	4 7/16 x 2	2 5/8 x 2 5/8	4Z144 ✓	243.00
1/6 / 1/8	1800 / 4200	6.38	16.2	9 3/8	1/2	7 7/16 x 2	2 5/8 x 2 5/8	4Z529 ✓	306.75
90VDC, TENV									
1/53	2500	0.5	0.3	5 15/16	1/4	4 3/16 x 1 1/4	1 3/4 x 1 1/4	3XE21 ✓	162.50
1/27	1800	1.30	0.5	6 7/16	5/16	4 15/16 x 1 1/4	1 3/4 x 1 1/4	3XE22 ✓	152.00
1/18	1800	1.95	0.8	6 5/8	1/2	4 7/16 x 2	2 5/8 x 2 5/8	4Z141 ✓	259.75
1/6	1800	4.38	1.5	8 3/16	1/2	6 7/16 x 2	2 5/8 x 2 5/8	4Z140 ✓	259.00
1/6	1800	5.63	1.8	9 3/8	1/2	7 7/16 x 2	2 5/8 x 2 5/8	4Z528 ✓	288.25
180VDC, TENV									
1/6	1800	5.63	0.9	9 3/8	1/2	7 7/16 x 2	2 5/8 x 2 5/8	1Z851 ✓	290.50

No. 2M066



No. 2M145



Universal Type AC/DC Motors



- Enclosure: open
- 115V at 60 Hz
- Insulation: Class A, except No. 2M139 is Class F
- Max. ambient: 40°C
- Rotation: CCWSE (nonreversible), except No. 2M034 is CWSE

Full-load speeds can be adjusted 20% to 100% with proper speed control (sold separately). Average brush life is about 300 hr. Motors are series-wound. Gray hammer finish. UL Recognized.

Footnotes: 3—Dual shaft. 32—Can be used with No. 5JJ60 speed control.

Hydraulic DC Lift Motors



- Enclosure: IP54 (totally enclosed fan-cooled)
- 12VDC
- Full-Load Amps: 200
- Insulation: Class F
- Inverter duty
- Max. ambient: 40°C
- Bearings: ball

Direct OEM replacements for Ametek Prestolite motors. Enhanced thermal capability allows motors to run longer without overheating. High-efficiency motors have lower amperage draw. Units are sealed to resist corrosion from moisture and road salt. Use in hydraulic tail gate and snow plow lifts.



No. 5JJP2



No. 5JJN3

HP	Nameplate RPM	Rotation*	Mfr. Model	Item No.	\$ Each
Hydraulic Tail Gate Lifts					
1 1/2	2800	CCWDE	MUE-6311	5JJN7 ✓	217.00
1 1/2	2800	CCWDE	MUE-6302	5JJN8 ✓	207.25
1 1/2	2800	CW/CCW	MUV-6301	5JJN4 ✓	259.50
2	2800	CCWDE	MMY-6304	5JJN5 ✓	294.50
2	2800	CCWDE	MMY-6304A	5JJN6 ✓	281.25
2	2800	CCWDE	MMY-6302	5JJN2 ✓	253.00
Hydraulic Snow Plow Lifts					
1 1/2	2800	CWDE	MUE-6303	5JJP0 ✓	217.00
1 1/2	2800	CCWDE	MUE-6319	5JJP2 ✓	234.50
1 1/2	2800	CCWDE	MUE-6301	5JJN3 ✓	211.50
1 1/2	2800	CWDE	MUE-6306	5JJN9 ✓	228.00

* DE = Drive End.

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

MOTORS

Rotary Encoders



Rotary Encoders

Autonics
Sensors & Controllers

Convert shaft rotation into electronic pulses to electronically monitor the position of a rotating shaft. A control unit evaluates encoder output to determine machine position and velocity, and provide high accuracy and flexibility in motion control. Encoders help boost productivity by increasing system speeds and accuracy, and decreasing cycle times. For use in applications that require monitoring of acceleration, direction, rotation rate, and speed. Can be used in computer input devices, industrial controls, and robotics.

Output Type	Dia.	Shaft Dia.	Pulses per Revolution	Output	Power Supply	Cable Connec.	Mfr. Model	Output Definition		Symbol Designator						
								Definition								
								Quadrature Channel 1	A, ±A							
Encoders, Wheel				Quadrature Channel 2 (90° out of phase with Channel 1)				Index (Zero Marker) Pulse per 1 revolution	B, ±B							
									Z, ±Z							
Encoders, Wheel																
NPN Open Collector		—	1 / yd.	A, B	12-24VDC	M17 6 Pin QD	ENC-1-6-N-24-C	11M924	✓	\$324.50						
		—	10 / 0.1 yd.	A, B	12-24VDC	M17 6 Pin QD	ENC-1-5-N-24-C	11M922	✓	\$324.50						
		—	100 / 0.01 yd.	A, B	12-24VDC	M17 6 Pin QD	ENC-1-4-N-24-C	11M920	✓	\$311.00						
Totem Pole		—	1 / yd.	A, B	12-24VDC	M17 6 Pin QD	ENC-1-6-T-24-C	11M925	✓	\$331.00						
		—	10 / 0.1 yd.	A, B	12-24VDC	M17 6 Pin QD	ENC-1-5-T-24-C	11M923	✓	\$324.50						
		—	100 / 0.01 yd.	A, B	12-24VDC	M17 6 Pin QD	ENC-1-4-T-24-C	11M921	✓	\$331.00						
Encoders, Manual																
Totem Pole		80mm	—	25	A, B	12-24VDC	Terminal Block	11M918	✓	\$313.50						
		80mm	—	100	A, B	12-24VDC	Terminal Block	11M919	✓	\$319.75						
Encoders, Shaft																
Line Driver	30mm	4mm	1024	± A, ± B, ± Z	5 VDC	M17 9 Pin QD	E30S4-1024-6-L-5-C	11M883	✓	\$272.25						
	40mm	6mm	1024	± A, ± B, ± Z	5VDC	M17 9 Pin QD	E40S6-1024-6-L-5-C	11M892	✓	\$313.50						
NPN Open Collector	50mm	8mm	1024	± A, ± B, ± Z	5VDC	M17 9 Pin QD	E50S8-1024-6-L-5-C	11M909	✓	\$372.50						
	30mm	4mm	100	A, B, Z	12-24VDC	M17 6 Pin QD	E30S4-100-3-N-24-C	11M880	✓	\$231.00						
	30mm	4mm	360	A, B, Z	12-24VDC	M17 6 Pin QD	E30S4-360-3-N-24-C	11M882	✓	\$231.00						
	40mm	6mm	60	A, B, Z	12-24VDC	M17 6 Pin QD	E40S6-60-3-N-24-C	11M884	✓	\$244.75						
	40mm	6mm	100	A, B, Z	12-24VDC	M17 6 Pin QD	E40S6-100-3-N-24-C	11M886	✓	\$244.75						
	40mm	6mm	120	A, B, Z	12-24VDC	M17 6 Pin QD	E40S6-120-3-N-24-C	11M888	✓	\$244.75						
	40mm	6mm	360	A, B, Z	12-24VDC	M17 6 Pin QD	E40S6-360-3-N-24-C	11M890	✓	\$287.75						
	50mm	8mm	60	A, B, Z	12-24VDC	M17 6 Pin QD	E50S8-60-3-N-24-C	11M903	✓	\$270.75						
	50mm	8mm	100	A, B, Z	12-24VDC	M17 6 Pin QD	E50S8-100-3-N-24-C	11M905	✓	\$265.50						
	50mm	8mm	360	A, B, Z	12-24VDC	M17 6 Pin QD	E50S8-360-3-N-24-C	11M907	✓	\$276.25						
Totem Pole	30mm	4mm	100	A, B, Z	12-24VDC	M17 6 Pin QD	E30S4-100-3-T-24-C	11M879	✓	\$226.75						
	30mm	4mm	360	A, B, Z	12-24VDC	M17 6 Pin QD	E30S4-360-3-T-24-C	11M881	✓	\$231.00						
	40mm	6mm	60	A, B, Z	12-24VDC	M17 6 Pin QD	E40S6-60-3-T-24-C	11M883	✓	\$244.75						
	40mm	6mm	100	A, B, Z	12-24VDC	M17 6 Pin QD	E40S6-100-3-T-24-C	11M887	✓	\$244.75						
	40mm	6mm	120	A, B, Z	12-24VDC	M17 6 Pin QD	E40S6-120-3-T-24-C	11M889	✓	\$244.75						
	40mm	6mm	360	A, B, Z	12-24VDC	M17 6 Pin QD	E40S6-360-3-T-24-C	11M891	✓	\$287.75						
	50mm	8mm	60	A, B, Z	12-24VDC	M17 6 Pin QD	E50S8-60-3-T-24-C	11M904	✓	\$265.50						
	50mm	8mm	100	A, B, Z	12-24VDC	M17 6 Pin QD	E50S8-100-3-T-24-C	11M906	✓	\$265.50						
	50mm	8mm	360	A, B, Z	12-24VDC	M17 6 Pin QD	E50S8-360-3-T-24-C	11M908	✓	\$265.50						
Encoders, Absolute Multi-Turn																
Parallel NPN Open Collector		50mm	8mm	1024	Binary	12-24VDC	36 Leads	EPM50S8-1013-B-PN-24	11M934	✓	\$744.00					
SSI		50mm	8mm	1024	Binary	12-24VDC	11 Leads	EPM50S8-1013-B-S-24	11M935	✓	\$744.00					
Encoders, Shaft Absolute																
NPN Open Collector	50mm	8mm	360	BCD Code	12-24VDC	16 Leads	EP50S8-360-1F-N-24	11M926	✓	\$393.25						
	50mm	8mm	720	BCD Code	12-24VDC	16 Leads	EP50S8-720-6-L-24	11M928	✓	\$393.25						
PNP Open Collector	58mm	10mm	360	BCD Code	12-24VDC	16 Leads	EP58S10-360-1F-N-24	11M930	✓	\$714.00						
	58mm	10mm	720	BCD Code	12-24VDC	16 Leads	EP58S10-720-1F-N-24	11M932	✓	\$714.00						
PNP Open Collector								EP50S8-360-1F-P-24	11M927	✓	\$393.25					
NPN Open Collector	50mm	8mm	720	BCD Code	12-24VDC	16 Leads	EP50S8-720-1F-P-24	11M929	✓	\$393.25						
	58mm	10mm	360	BCD Code	12-24VDC	16 Leads	EP58S10-360-1F-P-24	11M931	✓	\$714.00						
Encoders, Hollow Shaft																
Line Driver	40mm	12mm	1024	± A, ± B, ± Z	5VDC	9 Pin Plug	E40H12-1024-6-L-5-C	11M902	✓	\$323.75						
	60mm	20mm	1024	± A, ± B, ± Z	5VDC	9 Pin Plug	E60H20-1024-6-L-5-C	11M912	✓	\$590.00						
	60mm	20mm	5000	± A, ± B, ± Z	5VDC	9 Pin Plug	E60H20-5000-6-L-5-C	11M913	✓	\$651.00						
	80mm	30mm	512	± A, ± B, ± Z	5VDC	9 Pin Plug	E80H30-512-6-L-5-C	11M914	✓	\$495.00						
	100mm	35mm	512	± A, ± B, ± Z	5VDC	10 pin Receptacle	E100H35-512-6-L-5	11M915	✓	\$651.00						
Totem Pole	40mm	12mm	1024	± A, ± B, ± Z	5VDC	10 pin Receptacle	E100H35-1024-6-L-5	11M917	✓	\$943.50						
	40mm	12mm	60	A, B, Z	12-24VDC	6 Pin Plug	E40H12-60-3-N-24-C	11M893	✓	\$308.00						
	40mm	12mm	100	A, B, Z	12-24VDC	6 Pin Plug	E40H12-100-3-N-24-C	11M895	✓	\$308.00						
	40mm	12mm	360	A, B, Z	12-24VDC	6 Pin Plug	E40H12-360-3-N-24-C	11M897	✓	\$317.50						
	40mm	12mm	500	A, B, Z	12-24VDC	6 Pin Plug	E40H12-500-3-N-24-C	11M899	✓	\$317.50						
	60mm	20mm	100	A, B, Z	12-24VDC	6 Pin Plug	E60H20-100-3-N-24-C	11M910	✓	\$505.00						
	40mm	12mm	60	A, B, Z	12-24VDC	6 Pin Plug	E40H12-60-3-T-24-C	11M904	✓	\$308.00						
	40mm	12mm	100	A, B, Z	12-24VDC	6 Pin Plug	E40H12-100-3-T-24-C	11M906	✓	\$314.25						
Cables	40mm	12mm	360	A, B, Z	12-24VDC	6 Pin Plug	E40H12-360-3-T-24-C	11M898	✓	\$317.50						
	40mm	12mm	500	A, B, Z	12-24VDC	6 Pin Plug	E40H12-500-3-T-24-C	11M901	✓	\$323.75						
	60mm	20mm	100	A, B, Z	12-24VDC	6 Pin Plug	E60H20-100-3-I-24-C	11M911	✓	\$495.00						
For Use With Totem Pole, NPN Open Collector, Voltage, Rotary Encoders																
2M Cable, 6 Pin I Type, M17 Quick Disconnect Plug								CID6S-2	11M936	✓	\$58.55					
5M Cable, 6 Pin I Type, M17 Quick Disconnect Plug								CID6S-5	11M937	✓	\$75.55					
10M Cable, 6 Pin I Type, M17 Quick Disconnect Plug								CID6S-10	11M938	✓	\$103.85					
For Use With Line Driver Rotary Encoders																
2M Cable, 9 Pin I Type, M17 Quick Disconnect Plug								CID9S-2	11M939	✓	\$69.95					
5M Cable, 9 Pin I Type, M17 Quick Disconnect Plug								CID9S-5	11M940	✓	\$86.85					
10M Cable, 9 Pin I Type, M17 Quick Disconnect Plug								CID9S-10	11M941	✓	\$115.25					
Encoder Coupling																
Plastic Coupling, 4mm Bore Dia., 13mm Outside Dia.								EC-4	11M945	✓	\$13.14					
Plastic Coupling, 6mm Bore Dia., 15mm Outside Dia.								EC-1	11M942	✓	\$13.14					
Plastic Coupling, 8mm Bore Dia., 19mm Outside Dia.								EC-2	11M943	✓	\$13.14					
Plastic Coupling, 10mm Bore Dia., 22mm Outside Dia.								EC-3	11M944	✓	\$13.14					

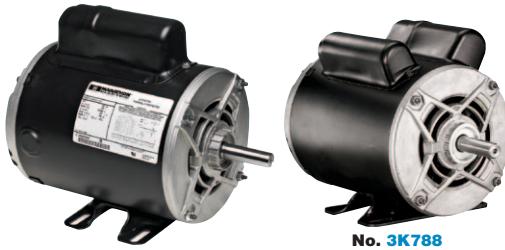


1-Phase Commercial-Duty Open Driproof Air Compressor Motors

- Type: capacitor-start
- Mounting: rigid
- welded base
- Max. ambient: 40°C
- Bearings: ball

Direct replacements for selected air compressors including Dayton®, Speedaire®, Ingersoll-Rand, Campbell Hausfeld, Sanborn, Champion, Coleman, Quincy, and others. Mechanical features provide long life in high-tension, belt-type loads, which typically shorten motor life. High breakdown torque ensures dependable service. UL Recognized and CSA Certified.

Note: Use on other applications voids warranty.



HP	Nameplate RPM	NEMA/IEC Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Rotation	Shaft Dia.	Shaft Length	Brand	Mfr. Model	Item No.	\$ Each
1/2	3450	56	Manual	115	11.5	1.0	CCWSE	5/8"	1 1/8"	Marathon Motors	9031	3K781	✓ 239.00
	1725	56	Manual	115/230	8.8/4.4	1.25	CW/CCW	5/8"	1 1/8"	Marathon Motors	C169	6KHJ4	✓ 242.00
3/4	3450	56	Manual	115	12.5	1.0	CCWSE	5/8"	1 1/8"	Marathon Motors	9032	3K783	✓ 258.50
	1725	56	Manual	115/208-230	11.0/5.5	1.25	CW/CCW	5/8"	1 1/8"	Marathon Motors	K016	6KHJ5	✓ 258.25
1	3450	56	Manual	115/230	16.0/8.0	1.0	CCWSE	5/8"	1 1/8"	Marathon Motors	9033	3K785	✓ 270.50
	1725	56	Manual	115/208-230	10.6/5.5-5.3	1.15	CW/CCW	5/8"	1 1/8"	Marathon Motors	D010	39L529	*✓ 313.00
1 1/2	3450	56	Manual	115/208-230	13.6/6.7-6.8	1.15	CW/CCW	5/8"	1 1/8"	Marathon Motors	C1480	39L530	*✓ 264.00
	1725	56	Manual	115/230	21.3/10.6	1.15	CW/CCW	5/8"	1 1/8"	Marathon Motors	C704	5TB73	✓ 345.50
2	3450	56H	Manual	115/208-230	18.9/3.9-0.0	1.15	CW/CCW	5/8"	2 1/16"	Marathon Motors	G951	39L531	✓ 249.50
	3450	56	Manual	115/230	17.0/8.5	1.0	CCWSE	5/8"	1 1/8"	Marathon Motors	9035	3K787	*✓ 301.25
2	3450	56	Manual	115/230	23.8/11.8	1.15	CW/CCW	5/8"	1 1/8"	Marathon Motors	C703	5TB72	✓ 408.25
	1740	145T	Manual	115/208-230	18.8/10.2-9.4	1.15	CW/CCW	7/8"	2 1/4"	Marathon Motors	I127	39L532	*✓ 396.50
3	3450	56	Manual	230	14.5	1.0	CW	5/8"	1 1/8"	Marathon Motors	9036	3K788	*✓ 332.00
	1740	182T/184T	T-stat	208-230	17.5-16.5	1.15	CW/CCW	1 1/8"	2 1/4"	Dayton	—	6K756	✓ 693.00
5	3450	56Y	Manual	208-230	19.8/22.0	1.15	CCWSE	7/8"	2 1/4"	Century	Z502	39L534	*✓ 609.50
	3450	56HZ	Manual	230	22.0	1.0	CCWSE	7/8"	2 1/4"	Century	B813	1ATA8	*✓ 444.50
	1740	182T/184T	T-stat	208-230	20.0-22.0	1.15	CW/CCW	1 1/8"	2 1/4"	Dayton	—	6K757	*✓ 727.50
5	3450	56	Manual	230	15.0	1.0	CW	5/8"	1 1/8"	Marathon Motors	9040	39L535	*✓ 591.00
	3450	56H	Manual	230	21.0	1.0	CW	5/8"	1 1/8"	Marathon Motors	9038	39L536	*✓ 698.00
7 1/2	3450	56H	Manual	230	20.0	1.15	CW/CCW	5/8"	2 1/4"	Marathon Motors	D017	39L537	*✓ 698.00
	1760	184T	Manual	208-230	25.0-24.1	1.15	CW/CCW	1 1/8"	2 1/4"	Marathon Motors	I119	39L538	*✓ 971.50
	1740	184T	None	208-230	23.0-21.0	1.15	CW/CCW	1 1/8"	2 1/4"	Marathon Motors	I114A	39L539	*✓ 748.00
7 1/2	3500	182T/184T	T-stat	208-230	28.5-26.5	1.15	CW/CCW	1 1/8"	2 1/4"	Dayton	—	4FN97	*✓ 856.50
	3515	184T	None	208-230	34.0-31.0	1.15	CW/CCW	1 1/8"	2 1/4"	Marathon Motors	I108A	39L540	*✓ 839.50
7 1/2	3470	213T	None	208-230	40.0-37.0	1.15	CW/CCW	1 1/8"	3 3/8"	Marathon Motors	I105	39L541	✓ 1,135.00
	1733	215T	None	208-230	37.5-34.5	1.15	CW/CCW	1 1/8"	3 3/8"	Marathon Motors	I115	39L542	*✓ 1,120.00
10	1730	215T	None	208-230	49.0-44.0	1.15	CW/CCW	1 1/8"	3 3/8"	Marathon Motors	I116	39L543	*✓ 1,441.00

* Capacitor-start, capacitor-run.



Air Compressor Motors

- Type: capacitor-start, except where indicated
- Mounting: reinforced base
- Insulation: Class B
- Max. ambient: 40°C
- Bearings: ball
- Thermal protection: manual

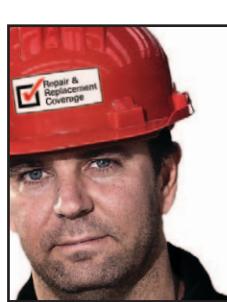
Designed to meet the high-torque requirements of air compressor loads. Suitable for intermittent-duty, portable, and stationary air compressors. UL Recognized and CSA Certified.



No.
13L289

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Rotation	Shaft Dia.	Shaft Length	Mfr. Model	Item No.	\$ Each
1/2	3400	56	115/208-230	6.6/3.5-3.3	1.0	CW/CCW	5/8"	1 1/8"	.50360S1BCDC56	13L289	✓ 234.00
3/4	3400	56	115/208-230	9.2/5.0-4.6	1.0	CW/CCW	5/8"	1 1/8"	.75360S1BCDC56	13L290	✓ 242.75
1	3480	56	115/208-230	12.2/6.1-6.1	1.0	CW/CCW	5/8"	1 1/8"	001360S1BCDB56	13L291	✓ 289.75
1 1/2	3430	56	115/208-230	16.8/9.2-8.4	1.0	CW/CCW	5/8"	1 1/8"	001560S1BCDD56	13L292	✓ 324.00
2	3440	56	115/208-230	22.0/12.0-11.0	1.0	CW/CCW	5/8"	1 1/8"	002360S1BCDD56	13L293	✓ 388.00
3	3440	56H	115/208-230	29.4/16.2-14.7	1.0	CW/CCW	5/8"	1 1/8"	003360S1BCDF56	13L294	✓ 450.00
4	1745	184T	208-230	18.6-17.5	1.15	CW/CCW	1 1/8"	2 1/4"	003180S1CCCDOL184T	13L295	*✓ 716.00
4	3440	56HZ	230	16.5	1.15	CCWSE	7/8"	2 1/4"	004360S1DCDG56HZ	13L296	*✓ 472.00
5	3460	56H	208-230	21.0-19.0	1.0	CCWSE	5/8"	1 1/8"	005360S1CCDG56HZ	13L297	✓ 477.25
	3460	56HZ	208-230	21.0-19.0	1.0	CCWSE	7/8"	2 1/4"	005360S1CCDG56HZ	13L298	*✓ 511.50
	1745	184T	208-230	23.5-21.5	1.25	CW/CCW	1 1/8"	2 1/4"	005180S1CCD184T	13L299	*✓ 661.50
6 1/2	3510	182/4Y	240	23.0	1.0	CCWSE	7/8"	2 1/4"	006360S1XCCD182/4Y	13L302	*✓ 506.50
7 1/2	1745	215T	208-230	33.3-31.3	1.15	CCWSE	1 1/8"	3 3/8"	007180S1CCD215T	13L303	*✓ 970.00
10	1745	215T	208-230	45.0-43.0	1.15	CCWSE	1 1/8"	3 3/8"	010180S1CCD215T	13L304	*✓ 1,458.00

* Capacitor-start, capacitor-run.



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MOTORS

50-Hz 1-Phase & 3-Phase Motors



Cradle-Mount



Base-Mount

Dayton®

50-Hz 1-Phase Motors

- Insulation: Class B
- Max. ambient: 40°C
- Rotation: CW/CCW

Start switch and windings are designed for reliable operation in applications using 50-Hz power. For use in machinery, air compressors, conveyors, fans, blowers, machine tools, speed reducers, pumps, and industrial equipment in noncombustible environments. UL Recognized, CSA and CE Certified.

Note: Additional general purpose single-phase motors rated 60/50 Hz can be found on pages 8 to 12.

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Thermal Protection	Mounting	Bearings	Shaft Dia. (in.)	Shaft Length (in.)	Length Less Shaft (in.)	Item No.	\$ Each
Open Driproof, Split-Phase													
1/4	1450	48	110/220	5.2/2.6	1.0	None	Cradle/Stud	Sleeve	1/2	1 1/2	7 5/16	6XH63	227.50
1/4	1425	48	110/220	6.1/3.0	1.0	Auto	Base	Ball	1/2	1 1/2	7 7/8	6XH56	231.75
1/3	1425	56Z†	110/220	6.1/3.0	1.0	Auto	Cradle	Ball	1/2	1 1/2	7 7/8	6XH81	✓ 241.75
1/2	1425	56	110/220	9.2/4.6	1.0	Auto	Cradle	Ball	5/8	1 1/8	8 3/8	6XH83	✓ 266.50
Totally Enclosed Fan-Cooled, Capacitor-Start													
1/3	1425	56	110/220	6.2/3.1	1.15	None	Base	Ball	5/8	1 1/8	9 1/4	6K472	✓ 327.00
1/3	1425	56C	110/220	6.3/3.2	1.15	None	Face	Ball	5/8	1 1/8	9 1/4	6K950	✓ 343.50
1/2	1425	56	110/220	7.5/3.8	1.15	None	Base	Ball	5/8	1 1/8	9 3/16	6K408	381.50
1/2	1425	56C	110/220	8.0/4.0	1.15	None	Face	Ball	5/8	1 1/8	9 1/4	6K952	✓ 398.00
3/4	1425	56	110/220	10.6/5.3	1.0	None	Base	Ball	5/8	1 1/8	10	6K473	✓ 463.25
1	1450	56H	110/220	12.4/6.2	1.0	None	Base	Ball	5/8	1 1/8	11	6K409	✓ 534.50

† 1 1/2" x 1 1/2" shaft with flat.



No. 5N171



No. 5N169



No. 4TD99

marathon™
Motors

1- and 3-Phase Brake Motors

- Bearings: ball
- Thermal protection: none
- Max. ambient: 40°C
- Rotation: CW/CCW
- Frame material: rolled steel, except Nos. 16G415, 16G417 to 16G421 are aluminum

Powerful motor brakes to hold action at a standstill in power-off state. Suitable for conveyors, index mechanisms, machine tools, and commercial and industrial overhead doors. UL Recognized and CSA Certified.

Note: Not intended for vertical holding applications such as vertical conveyors and hoists.

HP	Nameplate RPM	NEMA/IEC Frame	Enclosure	Phase	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Brake Rating	Insulation Class	Mfr. Model	Item No.	\$ Each
Face/Base Mount													
1-Phase													
1/3	1725	56C	TEFC	1	115/208-230	6.6/3.1-3.3	1.15	55	3 ft.-lb.	B3	D400	16G399	*✓ 735.00
1/2	1725	56C	TEFC	1	115/208-230	8.8/4.2-4.4	1.15	66	3 ft.-lb.	B3	D401	16G401	*✓ 811.00
3/4	1725	56C	TEFC	1	115/208-230	11.0/5.4-5.5	1.15	70	6 ft.-lb.	B3	D402	16G402	*✓ 1,030.00
1	1725	56C	TEFC	1	115/208-230	13.4/6.8-6.7	1.15	72	6 ft.-lb.	B3	D403	16G403	*✓ 1,117.00
1 1/2	1725	56C	TEFC	1	115/208-230	15.2/8.2-7.6	1.15	80	10 ft.-lb.	B3	D404	16G404	*✓ 1,179.00
3-Phase													
1/3	1725	56C	TEFC	3	208-230/460	1.5-1.6/0.8	1.15	68	3 ft.-lb.	B3	D450	16G405	*✓ 691.50
1 1/4	1140	56C	TEFC	3	208-230/460	1.9-2.2/1.1	1.15	62	3 ft.-lb.	B3	D451	16G406	*✓ 898.50
1/2	1725	56C	TEFC	3	208-230/460	2.3-2.4/1.2	1.15	72.1	3 ft.-lb.	B3	D452	16G407	*✓ 778.00
1 1/4	1140	56C	TEFC	3	208-230/460	2.4-2.7/1.4	1.15	68	6 ft.-lb.	B3	D453	16G408	*✓ 1,121.00
1 1/2	1725	56	TENV	3	230/460	1.8/0.9	1.0	78.5	3 ft.-lb.	B	K456	5N171	✓ 796.50
1 1/4	1140	56	TEFC	3	230/460	2.4/1.2	1.0	70.0	6 ft.-lb.	B	K526	5N172	✓ 1,101.00
1 1/2	1725	56C	TEFC	3	208-230/460	2.6-3.0/1.5	1.15	75.5	6 ft.-lb.	B3	D454	16G409	*✓ 913.00
3/4	1140	56C	TEFC	3	208-230/460	3.2/1.6	1.15	74	6 ft.-lb.	B3	D455	16G410	*✓ 1,316.00
1 1/4	1725	56C	TEFC	3	230/460	2.5/1.3	1.0	80.0	6 ft.-lb.	B	K458	5N173	✓ 945.50
1 1/4	1140	56C	TEFC	3	208-230/460	3.4-3.6/1.8	1.15	77	6 ft.-lb.	B3	D456	16G411	*✓ 1,085.00
1	1140	145TC	TEFC	3	208-230/460	3.8-4.0/2.0	1.15	77	10 ft.-lb.	F3	C400	16G412	*✓ 1,411.00
1 1/2	1725	56	TENV	3	230/460	3.2/1.6	1.0	82.5	6 ft.-lb.	B	K459	5N174	✓ 1,078.00
1 1/2	1725	145TC	TEFC	3	208-230/460	4.8-4.8/2.4	1.15	80	10 ft.-lb.	B3	D457	16G413	*✓ 1,181.00
1 1/2	1735	145TC	TEFC	3	208-230/460	4.8-4.8/2.4	1.15	80	10 ft.-lb.	B3	C401	16G414	*✓ 1,181.00
1 1/2	1165	184TC	TENV	3	208-230/460	5.55-5.2/2.6	1.15	81.5	15 ft.-lb.	F3	C402	16G415	*✓ 1,604.00
2	1730	145TC	TEFC	3	208-230/460	6.0-5.8/2.9	1.15	82.5	10 ft.-lb.	B3	C403	16G416	*✓ 1,241.00
2	1160	184TC	TENV	3	208-230/460	6.8-6.6/3.3	1.15	82.5	15 ft.-lb.	F3	C404	16G417	*✓ 1,641.00
2	1740	145T	TEFC	3	230/460	5.6/2.8	1.0	84.0	10 ft.-lb.	B	K2045	4TD99	*✓ 1,283.00
3	1760	182TC	TENV	3	230/460	8.0/4.0	1.15	90.2	15 ft.-lb.	F3	C405	16G418	*✓ 1,674.00
5	1755	184TC	TENV	3	208-230/460	13.8-12.4/6.2	1.0	90.2	25 ft.-lb.	F3	C406	16G419	*✓ 2,219.00
7 1/2	1770	213TC	TENV	3	230/460	19.2/9.6	1.0	91	35 ft.-lb.	F3	C407	16G420	*✓ 2,913.00
10	1755	215TC	TENV	3	230/460	25.0/12.5	1.0	91.7	50 ft.-lb.	F3	C408	16G421	*✓ 3,642.00
3-Phase, Face Mount													
1/2	1725	56C	TENV	3	208-230/460	1.8-1.8/0.9	1.0	78.5	3 ft.-lb.	B	K457	5N167	✓ 765.50
3/4	1725	56C	TEFC	3	208-230/460	2.6-3.0/1.5	1.15	75.5	6 ft.-lb.	B	D454	5N168	✓ 950.50
1	1725	143TC	TENV	3	230/460	3.2/1.6	1.0	82.5	6 ft.-lb.	B	K462	5N169	✓ 1,078.00
2	1740	145TC	TEFC	3	230/460	5.6/2.8	1.0	84.0	10 ft.-lb.	B	K2046	4TF01	✓ 1,330.00

* Removable base

50 Hz, Capacitor-Start Motors

- Type: capacitor-start
- Max. ambient: 40°C
- Bearings: ball
- Rotation: CW/CCW

Energy-saving design provides full-rated HP at 50 Hz speeds. UL Recognized, CSA Certified, CE Certified, and RoHS compliant.



HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Thermal Protection	Insulation Class	Mfr. Model	Item No.	\$ Each
Open Driproof Base-Mount										
1/3	1425	56C	110/220	6.4/3.2	1.35	None	B	110394.00	4GU2	✓ 313.50
1/2	2850	56	110/220	7.6/3.8	1.25	None	B	113901.00	4GU9	✓ 321.00
3/4	1425	56	110/220	8.2/4.1	1.25	None	B	110395.00	4GU3	✓ 321.00
1	1425	56	110/220	11.8/5.9	1.25	None	B	110396.00	4GU4	✓ 359.25
1 1/2	1425	56H	110/220	12.8/6.4	1.15	None	B	110397.00	4GU5	✓ 400.25
2	1440	182T	220	11.8	1.15	None	F	131553.00	4GUL3	677.50
3	1440	184T	220	16.8	1.15	None	F	131554.00	4GUL4	✓ 776.00
5	1440	184T	220	23.2	1.15	None	F	131555.00	4GUL5	* ✓ 845.50
Cradle-Mount										
1/3	1425	56	110/220	6.4/3.2	1.35	None	B	114223.00	4GUK1	✓ 320.25
1/2	1425	56H	110/220	8.2/4.1	1.25	None	B	114225.00	4GUK3	338.75
3/4	1425	56H	110/220	11.8/5.9	1.25	None	B	114227.00	4GUK5	✓ 376.25
1	1425	56H	110/220	12.8/6.4	1.15	None	B	114229.00	4GUK7	✓ 414.00
1 1/2	1425	56H	110/220	16.8/8.4	1.15	None	B	114231.00	4GUK8	* ✓ 484.00
2	1440	56H	220	9.6	1.15	None	F	114233.00	4GUK9	* ✓ 517.50

* Capacitor-Start, Capacitor-Run.



Power Tool Motors



- Type: 1-phase
- Enclosure: totally enclosed fan-cooled
- Mounting: rigid
- Service factor: 1.15
- Insulation: Class B3
- Thermal protection: manual
- Bearings: ball

Designed for lathes, planers, table saws, and other equipment used in metalworking and woodworking applications. Can be used in dirty and dusty environments. Feature heavy-gauge steel frame/base and dustproof centrifugal starting switch. 1/2- to 1 1/2-HP models have On/Off toggle switch and 8-ft. power cord with 115V plug. All models are UL Recognized and CSA Certified.

HP	Nameplate RPM	NEMA/IEC Frame	Volts @ 60 Hz	Full Load Amps	Length Less Shaft	Shaft Dia.	Shaft Length	Item No.	\$ Each
Capacitor-Start									
1/2	1725	56-65	115/208-230	8.8/4.2-4.4	9 1/2"	5/8"	2 5/16"	15G119	✓ 517.00
	3450	56-70	115/208-230	10.6/5.3-5.3	10"	5/8"	2 5/16"	15G120	✓ 458.50
3/4	1725	56-70	115/208-230	11.5/4.5-5.5	10"	5/8"	2 5/16"	15G121	✓ 604.50
1	3450	56-70	115/208-230	12.4/6.7-6.2	10"	5/8"	2 5/16"	15G122	✓ 509.50
1 1/2	1725	56H-85	115/208-230	13.6/7.5-6.8	11 1/2"	5/8"	2 1/4"	15G124	✓ 776.50
	3450	56-75	115/208-230	14.2/7.7-7.1	10 1/8"	5/8"	2 5/16"	15G123	✓ 626.00
2	1725	56H-95	115/230	18.8/9.4	12 5/8"	5/8"	2 1/4"	15G126	✓ 839.50
	3450	56H	115/230	17.5/8.7	11 1/16"	5/8"	2 5/16"	15G125	✓ 695.00
3	3510	145T	208-230	13.1-11.8	12 5/8"	7/8"	2 1/4"	15G127	✓ 963.50



Instant-Reverse Capacitor-Start and PSC Motors



- Insulation: Class B
- Max. ambient: 40°C

Designed for mechanical doors, gates, hoists, and other equipment requiring remote control instant reversibility. UL Recognized, CSA Certified, and CE Certified.

MARATHON

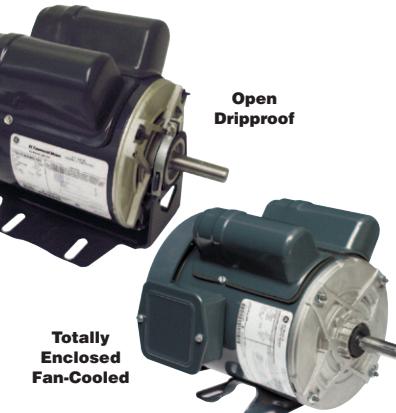
Motors feature electronic reversing switch with no moving parts. Ball bearings, except Nos. 6MA19, 6MA17, and 6MA18 are double-shielded.

Note: 3PDT toggle switch with On/Off/On action No. 2VLP3 is recommended for controlling these motors (sold separately on page 398). Permanent split capacitor motors can also use SPDT switch No. 2VNL7 (sold separately on page 398).

DAYTON®

Motors do not require a relay because mechanical reversing device is built into motor. Double-shielded ball bearings.

Note: Use DPDT reversing switch No. 2X469 (sold separately on page 400).



HP	Nameplate RPM	NEMA/IEC Frame	Enclosure	Thermal Protection	Voltage	Full Load Amps	Service Factor	Mounting	No. of Wires	Brand	Mfr. Model	Item No.	\$ Each
Capacitor-Start													
1/4	1725	48	Open Driproof	None	115	5.2	1.35	Base/Stud	4	Marathon Motors	CG382	5U178	✓ 313.75
	1725	56	Open Driproof	None	115	6.3	1.35	Base/Stud	4	Marathon Motors	CG383	5U179	✓ 372.00
1/2	1725	56	Open Driproof	Manual	115	6.3	1.35	Base/Stud	5	Marathon Motors	CG384	5U180	✓ 379.00
	1725	56	Open Driproof	Manual	115	6.4	1.25	Base	5	Dayton	—	2FLP4	✓ 392.25
1	1725	56	Open Driproof	Manual	115/230	8.8/4.4	1.25	Base/Stud	6	Marathon Motors	C1458	5U166	✓ 401.25
	1725	56	Open Driproof	Manual	115/230	8.8/4.4	1.25	Base/Stud	7	Marathon Motors	C1459	5U167	✓ 425.00
1 1/2	1725	56	Open Driproof	Manual	115	8.0	1.25	Base	5	Dayton	—	2FLP3	453.25
	1725	56	Totally Enclosed Fan-Cooled	Manual	115/230	11.0/5.5	1.0	Base	7	Marathon Motors	C1489	3VF64	✓ 609.00
2	1725	56	Open Driproof	None	115/230	13.2/6.6	1.25	Base/Stud	6	Marathon Motors	C1460	5U168	446.25
	1725	56	Open Driproof	Manual	115/230	13.2/6.6	1.25	Base/Stud	7	Marathon Motors	C1461	5U169	✓ 490.50
3	1725	56	Open Driproof	Manual	115	12.0	1.15	Base	5	Dayton	—	2FLP5	✓ 494.00
	1725	56	Open Driproof	None	115/230	13.6/6.8	1.15	Base/Stud	6	Marathon Motors	C1469	5U177	✓ 596.00
PSC													
1/3	1625/1325	56	Open Driproof	Manual	115	3.8	1.0	Cradle	3	Marathon Motors	P254	6MA19	* ✓ 365.00
	1625	48	Totally Enclosed Nonventilated	Auto	115	5.8	1.0	Base	3	Marathon Motors	P247	3VG46	343.50
1/2	1625/1325	56	Open Driproof	Manual	115	5.4	1.0	Cradle	3	Marathon Motors	PG252	6MA17	* ✓ 410.00
	1625/1325	56	Open Driproof	Manual	115	5.4	1.0	Base	3	Marathon Motors	P253	6MA18	* ✓ 429.25

* 60/50 Hz.

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

43



No. 4GCH3

Saw Arbor Motors

- Type: 3-phase
- Enclosure: IP54 (totally enclosed fan-cooled)
- Mounting: foot
- Service factor: 1.0
- Insulation: Class F with Class B temperature rise
- Max. ambient: 40°C
- Thermal protection: none
- Bearings: ball
- Shaft thread: M30x3.5

Cast-iron construction for severe duty applications. For use with circular saws, pendulum saws, grinding and polishing machines. UL Recognized; CSA and CE Certified.

HP	Nameplate RPM	NEMA/ IEC Frame	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Left-Hand Thread (CW Rotation)			Right-Hand Thread (CCW Rotation)		
								Mfr. Model	Item No.	\$ Each	Mfr. Model	Item No.	\$ Each
3	3500	80S	208-230/460	9.49-8.58/4.29	30mm	2½"	16"	00336ES3ESA80SL	4GCH3	✓ 1,001.00	00336ES3ESA80SR	4GCH4	✓ 1,001.00
5	3470	80M	208-230/460	14.7-13.3/6.65	30mm	2½"	18"	00536ES3ESA80ML	4GCH5	✓ 1,161.00	00536ES3ESA80MR	4GCH6	✓ 1,161.00
	1740	90L	208-230/460	15.5-14.1/7.03	30mm	2½"	24"	00518ES3ESA90LL	4GCH7	✓ 1,722.00	00518ES3ESA90LR	4GCH8	✓ 1,722.00
	3490	80L	208-230/460	21.6-19.5/9.76	30mm	2½"	20"	00736ES3ESA80LL	4GCH9	✓ 1,473.00	00736ES3ESA80LR	4GCJ1	✓ 1,473.00
7½	3490	80L	575	7.8	30mm	2½"	20"	00736ES3HSA80LL	4GCJ2	✓ 1,473.00	00736ES3HSA80LR	4GCJ3	✓ 1,473.00
	1720	90L	208-230/460	22.4-20.3/10.1	30mm	2½"	24"	00718ES3ESA90LL	4GCJ4	✓ 1,741.00	00718ES3ESA90LR	4GCJ5	✓ 1,741.00
	3480	90L	208-230/460	27.2-24.6/12.3	30mm	2½"	24"	01036ES3ESA90LL	4GCJ6	✓ 1,799.00	01036ES3ESA90LR	4GCJ7	✓ 1,799.00
10	3480	90L	575	9.83	30mm	2½"	24¼"	01036ES3HSA90LL	4GCJ8	✓ 1,731.00	01036ES3HSA90LR	4GCJ9	✓ 1,731.00
	1720	90L	208-230/460	31.2-28.2/14.1	30mm	2½"	25¼"	01018ES3ESA90LL	4GCK1	✓ 1,908.00	01018ES3ESA90LR	4GCK2	✓ 1,908.00



Dual-Shaft Power Tool Motors

- Enclosure: open dripproof
- Service factor: 1.0, except No. 4K781 is 1.25
- Insulation: Class B
- Max. ambient: 40°C
- Rotation: CW/CCW

All-position mounting. For use in high-speed, moderate-starting-torque woodworking and metalworking tools; wood lathes, sanders, grinders, table saws, planers, and other applications where maximum HP load will not exceed nameplate rating. UL Recognized and CSA Certified.



HP	Nameplate RPM	NEMA/ IEC Frame	Thermal Protection	Volts @ 60 Hz	Full Load Amps	Bearings	Mounting	Length Less Shaft	Shaft Dia.	Shaft Length	Item No.	\$ Each
Split-Phase												
1/8	3450	48	None	115	4.2	Sleeve	Cradle	8¼"	½"	1½" Ea.	5K600	✓ 203.25
1/2	3450	48	None	115	6.6	Sleeve	Cradle	8¼"	½"	1½" Ea.	6K866	✓ 252.75
Capacitor-Start												
1/8	3450	56	Manual	115/230	6.8/3.1	Ball	Base	8½"	¾"	1½" Ea.	4K141	✓ 354.00
1/2	3450	56	None	115/230	6.9/3.5	Ball	Base	8½"	¾"	1½" Ea.	5K285	✓ 293.50
	1725	56	Manual	115/230	9.2/4.6	Ball	Base	7½"	¾"	1½" Ea.	4K142	✓ 396.50
	1725	56	None	115/230	9.2/4.6	Ball	Base	7½"	¾"	1½" Ea.	4K781	✓ 371.25
3/4	3450	56	Manual	115/230	9.0/4.5	Ball	Base	9½"	¾"	1½" Ea.	4K143	✓ 407.25
	3450	56	None	115/230	9.0/4.5	Ball	Base	9½"	¾"	1½" Ea.	5K286	✓ 341.75
	1750	56	Manual	115/230	11.2/5.6	Ball	Base	8½"	¾"	1½" Ea.	4K144	✓ 458.50
	1750	56	None	115/230	11.0/5.5	Ball	Base	8½"	¾"	1½" Ea.	4K783	✓ 433.50
1	3450	56Z	Manual	115/230	12.6/6.3	Ball	Base	8½"	¾"	1½" Ea.	4K145	✓ 459.25
	3450	56Z	Manual	115/230	11.0/5.5	Ball	Cradle	10¾"	½" & ¾"	1½" & 1¾" Ea.	6K720	*✓ 544.50
	1725	56	Manual	115/230	12.4/6.2	Ball	Base	9½"	¾"	1½" Ea.	4K146	✓ 505.50

* Equipped with On/Off switch on shell.



Table Saw Motors

- Type: capacitor-start
- Enclosure: totally enclosed fan-cooled
- Service factor: 1.0
- Insulation: Class B, except No. 1XEN3 is Class F
- Max. ambient: 40°C
- Bearings: ball
- Rotation: CCWSE

Designed for woodworking equipment such as table saws and planers manufactured by Delta.

Nos. 1XEL8, 1XEL9, 1XEN1, and 1XEN2 include a 50"-long 14/3 power cord without plug. No. 1XEN4 includes an 8-ft. power cord with 115V grounded plug and On/Off toggle switch. All models are UL Recognized and CSA Certified.

HP	Nameplate RPM	NEMA/ IEC Frame	Thermal Protection	Volts @ 60 Hz	Full Load Amps	Length Less Shaft	Mounting	Shaft Dia.	Shaft Length	Replaces Delta No.	Mfr. Model	Item No.	\$ Each
1½	3450	56	Manual	115/230	15.0/7.5	10¾"	Base	½"	1½"	62-042	113627.00	1XEN4	✓ 615.00
	3450	143Y	None	115/230	20.0/10.0	11"	Special Bracket	¾"	1¼"	83-621	120925.00	1XEL8	✓ 536.50
2	3450	143Y	None	115/230	22.0/11.0	11"	Special Bracket	¾"	1¼"	83-621	120997.00	1XEL9	✓ 544.00
3	3450	145TC	Manual	230	13.0	12¾"	Face	¾"	2¼"	—	120824.00	1XEN3	*✓ 652.00
	3450	145Y	None	230	13.0	11"	Special Bracket	¾"	1¾"	83-651	120728.00	1XEN1	* 586.00
4	3450	145Y	None	230	17.6	11"	Special Bracket	¾"	1¼"	83-651	120998.00	1XEN2	*✓ 663.50

* Capacitor-start, capacitor-run.

1- and 3-Phase Close-Coupled Pump Motors

- Mounting: face with base
- Service factor: 1.15
- Max. ambient: 40°C
- Thermal protection: none
- Bearings: ball
- Rotation: CW/CCW

These direct OEM replacement motors for JM and JP NEMA frame pump motors feature oversized locked shaft-end ball bearings for long service life. External slinger protects bearings from moisture and contaminants. Rigid welded base. Cast-iron models are inverter-duty rated: 4:1 constant, 6:1 variable torque. UL Recognized and CSA Certified.



Formerly A. O. Smith Electrical Products Company
A Regal-Beket Company



Rolled Steel

HP	Phase	Nameplate RPM	NEMA/IEC Frame	Voltage	Hz	Full Load Amps	Nom. Efficiency	Insulation Class	Frame Material	Mfr. Model	Item No.	\$ Each
1-Phase, Open Driproof, JM Threaded												
3	1	3500	182JM	115/230	60	32/16.1	75.5%	F	Rolled Steel	P229M2	26ZY58 ✓	731.50
7½	1	3470	213JM	230	60	37	78.5%	F	Rolled Steel	P318M2	26ZY56 ✓	1,016.00
10	1	3520	215TZ	230	60	39.5	85.5%	F	Rolled Steel	215TBDW7013	26ZY53 ✓	1,500.00
10	1	3510	215JM	230	60	37.5	82.5%	F	Rolled Steel	P320M2	26ZY57 ✓	1,591.00
10	1	3495	215TZ	230	60	46	82.5%	F	Rolled Steel	215TCRW7003	26ZY54 ✓	1,500.00
1-Phase, Open Driproof, JP Threaded												
7½	1	3470	213JP	230	60	37	78.5%	F	Rolled Steel	P325M2	26ZY61 ✓	1,089.00
10	1	3510	215JP	230	60	37.5	82.5%	F	Rolled Steel	P327M2	26ZY62 ✓	757.00
3-Phase, Open Driproof, JP Threaded												
15	3	1750	254JP	230/460	60	37.0/18.5	84.0%	F	Rolled Steel	E483E	6KFH1 ✓	1,001.00
3-Phase, Totally Enclosed Fan-Cooled, JM Threaded												
1	3	1745	143JM	230/460	60	3.0/1.5	84.0%	B	Rolled Steel	N149E	6KFG6 ✓	368.50
1½	3	3450	143JM	230/460	60	4.0/2.0	82.5%	B	Rolled Steel	N148E	6KFG7 ✓	439.75
1½	3	1745	145JM	230/460	60	4.0/2.0	84.0%	B	Rolled Steel	N161E	6KFG8 ✓	406.75
2	3	3450	145JM	230/460	60	5.4/2.7	84.0%	B	Rolled Steel	N153E	6KFG9 ✓	470.25
2	3	1710	145JM	230/460	60	5.6/2.8	84.0%	F	Cast-Iron	TCP71028	6KFG0 ✓	384.50

Replacement Starter Motors for Outdoor Power Equipment



- Starter motors are for replacement only and are not for retrofit on nonelectric start models

Fits Engine Model Series	Direct Replacement For:	No. of Teeth	No. of Mounting Holes	Bolt Center (in.)	Item No.	\$ Each
Briggs & Stratton Single Cylinder Engines, 12 VDC						
19G400 to 19G499, 191707, 252707, 254422, 254427, 254700, 254799, 280700 to 289799, 28A707, 28B702, 28B707 and 28M707	394805, 392749, 497595 and 693054	16	2	2½	4FTA5 ✓	134.85
254422, 254427, 254700 to 254799, 280700 to 289799, 28A707, 28B702, 28B707 and 28M707	497401, 494990, 490920, 490420, 394943, 399169, 491104 and 499521	16	2	2½	4FTA7 ✓	181.75
212707, 212907, 214707, 214907, 215707, 215807, 215907, 216907, 217707, 217807, 217907, 219702, 219707, 219807, 219907, 21A707, 21A807, 21A902, 21A907, 21A972, 21A977, 21B707, 21B707 and 28M707	693351 and 693552	14	2	2½	5PFY1 ✓	177.50
243400 and 326400	396306, 391178 and 394807	16	2	3⅜	4FTA9 ✓	305.25
Briggs & Stratton Twin Cylinder Engines, 12 VDC						
294700 to 294799, 350000 to 389999 and 29CID OHV (Not for Use on Engines with Aluminum Flywheel Ring Gear)	691564 and 808106	15	2	2½	4FTC1 ✓	319.50
422700 to 422799 and 42A700 to 42A799	497596 and 394808	16	2	2½	4FTA6 ✓	134.80
422700 to 422799 and 42A7010 to 42A799	498148, 495100 and 399928	16	2	2½	4FTA8 ✓	201.00
Honda Single Cylinder Engines, 12 VDC						
GX160	31210-ZE1-023	17	2	1½	4FTC5 ✓	269.75
GX340QAE2, GX340ZNE2 and GX340VXE2	31210-ZE3-013 Code # 2450740	14	4	3¼	4FTC4 ✓	270.75
Honda Twin Cylinder Engines, 12 VDC						
GXV670, GXV620 and GXV610	31200-ZJ4-831, 228000-7860 and DDWD9	12	2	2½	4FTC2 ✓	349.50
GX670, GX620 and GX610	31200-ZJ1-841, 32100-ZJ1-842 and 228000-7850	12	2	2½	4FTC3 ✓	299.75
Kawasaki Single Cylinder Engines, 12 VDC						
FC401V, FC400V and FC420V	21163-2073, 21163-2073A, John Deere AM104559 and Kubota 12498-63010	9	2	3⅜	4FTC6 ✓	300.50
Kawasaki Twin Cylinder Engines, 12 VDC						
FH451V, FH500V, FH531V, FH541V, FH580V, FH601D, FH601V, FH641D, FH641V, FH680D, FH680V, FH721D and FH721V	21163-7010, 21163-7001, 21163-7022, 21163-2101 and John Deere AM109408	10	2	2½	4FTC8 ✓	273.75
5F501F, FC661D, FD501D, FD620D and FD661D	21163-210 and John Deere AM109408	9	2	4½	4FTC7 ✓	290.50
Kohler Single and Twin Cylinder Engines, 12 VDC						
CH12.5, CH13, CH14, CH15, CH18, CH20, CH22, CH25, CV12.5, CV15, CV16, CV18, CV20, CV22 and CV25	12-098-03, 12-098-03S, 24-098-01, 24-098-01S, 25-098-09S, 25-098-11S and 25-098-11	10	2	2½	4FTD7 ✓	249.25
Kohler Single Cylinder Engines, 12 VDC						
M10, M14 and M16	41-098-04, 41-098-06 and 41-098-06S	10	Stud Mounted	2½	4FTC9 ✓	241.00
K321, K341, K241 and K301	257534, 45-098-05, 45-098-07, 45-098-09, 45-098-09S and John Deere AM3424B and AM7869	10	2	2½	4FTD1 ✓	187.25
CH11, CH12.5, CH13, CH14, CH15. Also CV15 (Use After Serial Number 241200004)	12-098-12, 12-098-12S and 12-098-19, 12-098-19S, 12-098-21S and 12-098-14S	13	2	2½	4FTD3 ✓	249.25
CH14, CV11, CV12.5, CV13, CV14, CV15 and CV16	12-098-20, 12-098-20S, 12-098-13, 12-098-13S, 12-098-15S and 12-098-22S	13	2	2½	4FTD8 ✓	244.00
CV12.5, CV13, CV15 and CV16 Command Vertical Engines	12-098-10, 25-098-04, 25-098-04S and 25-098-07	10	2	2½	4FTE2 ✓	258.50
Kohler Twin Cylinder Engines, 12 VDC						
MV16 and MV18	52-098-12, 52-098-03, 52-098-09	9	Stud Mounted	2½	4FTD2 ✓	207.00
K17, K19, K21, M18, M20 and MV20	52-098-06, 52-098-13 and 52-098-13S	9	Stud Mounted	2½	4FTE1 ✓	306.50
Tecumseh Single Cylinder Engines, 12 VDC						
HM70, HM80, HM100, SK90, HMSK100, OHM90, OHM110, OHM120, OHSK90, OHSK100, OHSK110, OHSK120, OHSK130, OHV12, OHV125, OHV13, OHV135, OHV14, OHV145, OHV15, OHV150, OHV155, OHV16, OHV160, OHV165, OHV17, OHV170, OHV175 and OHV490	36680, 36463 and 35763A	16	4	2¼	4FTD5 ✓	267.00
HH80, HH100, HH120, OH120, OH140, OH150, OH160	33835, 32917 and 32510	11	3	2½	4FTD9 ✓	257.25
OH50, OHH50, OHV110, OHV120, OHV125, OHV130, OHV135 and OHV358	37425, 36914 and 730326	10	2	3¾	4FTD6 ✓	237.00
L-LEV, OHV135, OHV14, OHV145, OHV15, OHV150, OHV155, OHV16, OHV160, OHV165, OHV17, OHV170, OHV175 and OHV490	36795 and 36264	10	2	3½	4FTD4 ✓	226.00

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

MOTORS

Face-Mount Jet Pump Motors



**Keyed Shaft,
Face-Mount, ODP**



**Keyed Shaft,
Face-Mount, TEFC**



**Keyed Shaft,
Face/
Base-Mount,
TEFC**



**Threaded Shaft,
Face-Mount, ODP**



**Threaded Shaft, Face/
Base-Mount, ODP**



**Threaded Shaft,
Face-Mount,
TEFC**



1-Phase Face-Mount Jet Pump Motors

- Mounting: horizontal or vertical, shaft down
- Motor: capacitor-start, unless footnoted
- 60 Hz, except No. **2K650** is 60/50 Hz
- Insulation: Class B
- Thermal protection: auto
- Bearings: ball
- Rotation is viewed from shaft end

Shaft slinger (all models) and gasketed conduit box (TEFC models only) protect against moisture and contaminants.

56C frame shaft: $\frac{5}{8}$ " dia. x $1\frac{7}{8}$ "L, $\frac{3}{16}$ "-wide keyway.

56J frame shaft: stainless steel, $\frac{7}{16}$ -20 UNF-2A, RH threaded $1\frac{1}{16}$ " from end, $2\frac{7}{16}$ " length. Use in jet pump water systems, centrifugal and hydraulic pumps, and other applications requiring NEMA 56C- or 56J-face mounting. UL Recognized and CSA Certified.

Note: Must match service factor and HP for proper replacement.

MARATHON

2-compartment design with locked ball bearings on shaft end. Voltage-change plug and enlarged conduit box for easy terminal lead connection. 56C frame has 416 stainless steel shaft.

DAYTON®

Single-compartment design. 56C frame has carbon steel keyed shaft. $\frac{1}{2}$ -HP and higher motors include drip cover kit for vertical mounting.

HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Service Factor	Max. Ambient Temp.	Brand	Mfr. Stock No.	Item No.	\$ Each
56C Frame, Face-Mount, Open Dripproof										
$\frac{1}{3}$	3450	CCW	115/230	6.2/3.1	1.75	50°C	Marathon	H439	2K409	*✓ 193.50
$\frac{1}{3}$	3450	CCW	115/230	6.2/3.1	1.75	50°C	Marathon	C1081	2K391	✓ 217.25
$\frac{1}{3}$	3450	CW/CCW	115/230	7.2/3.6	1.85	40°C	Dayton	—	5K955	✓ 198.25
$\frac{1}{2}$	3450	CCW	115/230	8.2/4.1	1.6	50°C	Marathon	C1082	2K392	✓ 223.50
$\frac{1}{2}$	3450	CW/CCW	115/230	8.6/4.3	1.65	40°C	Dayton	—	5K657	✓ 216.75
$\frac{3}{4}$	3450	CCW	115/230	11.6/5.8	1.5	50°C	Marathon	C1083	2K393	✓ 254.00
$\frac{3}{4}$	3450	CW/CCW	115/230	11.2/5.6	1.5	40°C	Marathon	C332	4K110	✓ 279.75
$\frac{3}{4}$	3450	CW/CCW	115/230	10.4/5.2	1.50	40°C	Dayton	—	5K658	✓ 265.00
1	3450	CCW	115/230/208-230	13.2/6.5-6.6	1.4	40°C	Marathon	C334	4K111	✓ 311.50
1	3450	CW/CCW	115/230	14.2/7.1	1.4	50°C	Marathon	C1084	2K394	✓ 281.25
1	3450	CW/CCW	115/230	12.4/6.2	1.40	40°C	Dayton	—	5K659	✓ 293.50
1 $\frac{1}{2}$	3450	CW/CCW	115/208-230	18.4/9.8-9.2	1.3	40°C	Marathon	C336	4K112	✓ 432.50
1 $\frac{1}{2}$	3450	CW/CCW	115/208-230	16.8/9.1-8.4	1.30	40°C	Dayton	—	5K469	✓ 392.50
1 $\frac{1}{2}$	3450	CCW	115/230	15.8/7.9	1.3	40°C	Marathon	C1085	2K395	†✓ 380.50
2	3450	CW/CCW	115/208-230	21.2/11.5-10.6	1.2	40°C	Marathon	C338	4K113	✓ 532.00
2	3450	CCW	115/230	19.2/9.6	1.2	40°C	Marathon	C1086	2K396	† 453.25
2	3450	CW/CCW	115/230	21.2/10.6	1.20	40°C	Dayton	—	5K470	✓ 532.00
3	3450	CW/CCW	115/230	29.4/14.7	1.15	40°C	Marathon	C340	4K114	† 582.00
56C Frame, Face/Base-Mount, Totally Enclosed Fan-Cooled										
$\frac{1}{2}$	3450	CW/CCW	115/230	7.4/3.7	1.0	40°C	Marathon	C444	2K379	✓ 283.50
56J Frame, Face-Mount, Open Dripproof										
$\frac{1}{3}$	3450	CCW	115/230	6.2	1.75	50°C	Marathon	H440	2K410	*✓ 200.50
$\frac{1}{3}$	3450	CCW	115/230	6.4/3.2	1.75	40°C	Marathon	C329	2K366	✓ 212.25
$\frac{1}{3}$	3450	CCW	115/230	6.2/3.1	1.75	50°C	Marathon	C1087	2K397	✓ 223.25
$\frac{1}{3}$	3450	CW	115/230	7.2/3.6	1.85	40°C	Dayton	—	5K956	✓ 210.75
$\frac{1}{2}$	3450	CCW	115/230	6.6/3.3	1.35	40°C	Marathon	C683	2K650	✓ 321.50
$\frac{1}{2}$	3450	CCW	115/230	7.6/3.8	1.6	40°C	Marathon	C331	2K367	✓ 244.25
$\frac{1}{2}$	3450	CW	115/230	8.2/4.1	1.6	50°C	Marathon	C1088	2K398	✓ 215.00
$\frac{3}{4}$	3450	CW	115/230	11.2/5.6	1.5	40°C	Marathon	C333	2K368	✓ 283.50
$\frac{3}{4}$	3450	CCW	115/230	11.6/5.8	1.5	50°C	Marathon	C1089	2K399	✓ 240.25
$\frac{3}{4}$	3450	CCW	115/230	10.4/5.2	1.50	40°C	Dayton	—	5K661	✓ 218.75
$\frac{3}{4}$	3450	CCW	115/230	13.2/6.6	1.4	40°C	Marathon	C335	2K369	✓ 317.25
1	3450	CCW	115/230	14.2/7.1	1.4	50°C	Marathon	C1090	2K400	✓ 266.00
1	3450	CCW	115/230	12.4/6.2	1.40	40°C	Dayton	—	5K662	✓ 242.00
1	3450	CCW	115/208-230	16.8/9.1-8.4	1.30	40°C	Dayton	—	5K475	✓ 384.00
1 $\frac{1}{2}$	3450	CCW	115/230	18.4/9.2	1.3	40°C	Marathon	C337	2K370	✓ 434.25
1 $\frac{1}{2}$	3450	CCW	115/230	15.8/7.9	1.3	40°C	Marathon	C1091	2K401	†✓ 380.50
2	3450	CCW	115/230	21.2/10.6	1.2	40°C	Marathon	C339	2K371	✓ 552.00
2	3450	CCW	115/230	19.2/9.6	1.2	40°C	Marathon	C1092	2K402	† 459.25
2	3450	CCW	115/230	21.2/10.6	1.20	40°C	Dayton	—	5K476	✓ 462.75
3	3450	CCW	115/230	29.4/14.7	1.15	40°C	Marathon	C341	2K372	†✓ 593.50
56J Frame, Face/Base-Mount, Open Dripproof										
$\frac{1}{3}$	3450	CCW	115/230	6.2	1.75	50°C	Marathon	H685	5U259	*✓ 201.00
$\frac{1}{3}$	3450	CCW	115/230	8.2/4.1	1.6	50°C	Marathon	C1462	5U170	✓ 235.50
$\frac{1}{3}$	3450	CCW	115/230	8.6/4.3	1.65	40°C	Dayton	—	6K580	✓ 236.75
$\frac{1}{3}$	3450	CCW	115/230	11.6/5.8	1.5	50°C	Marathon	C1463	5U171	✓ 264.25
$\frac{3}{4}$	3450	CCW	115/230	10.4/5.2	1.50	40°C	Dayton	—	6K581	✓ 236.00
1	3450	CCW	115/230	14.2/7.1	1.4	50°C	Marathon	C1464	5U172	✓ 296.75
1	3450	CW	115/230	12.4/6.2	1.40	40°C	Dayton	—	6K582	✓ 242.00
1	3450	CCW	115/208-230	16.8/9.1-8.4	1.30	40°C	Dayton	—	6K516	✓ 408.50
1 $\frac{1}{2}$	3450	CCW	115/230	15.8/7.9	1.3	50°C	Marathon	C1465	5U173	†✓ 391.25
2	3450	CCW	115/230	19.2/9.6	1.2	50°C	Marathon	C1466	5U174	† 456.00
56J Frame, Face-Mount, Totally Enclosed Fan-Cooled										
$\frac{1}{3}$	3450	CW/CCW	115/230	5.6/2.8	1.0	40°C	Marathon	C1336	5TB76	✓ 283.25
$\frac{1}{2}$	3450	CCW	115/230	7.4/3.7	1.15	40°C	Marathon	C465	2K382	✓ 316.00
1	3450	CCW	115/230	13.0/6.5	1.15	40°C	Marathon	C352	2K378	✓ 336.25
2	3450	CCW	115/230	17.8/8.9	1.0	40°C	Marathon	C878	2K390	†✓ 541.50

* Split-phase. † Capacitor-start, capacitor-run.



ODP, Face/
Base-Mount



TEFC, Face-
Mount

marathon™ **Dayton**

3-Phase 56J Frame Face-Mount Jet Pump Motors

- Mounting: face or base
- Insulation: Class B, except No. **4N070** is Class A
- Max. ambient: 40°C
- Thermal protection: none
- Bearings: ball

Shaft: stainless steel, $\frac{7}{16}$ -20 UNF-2A RH threaded $\frac{1}{16}$ " from end, $2\frac{7}{16}$ "L. Open dripproof models have a shaft slinger and gasketed conduit box to protect against moisture and contamination.

Dayton® motors will operate at 50 Hz on 190/380V at $\frac{5}{6}$ of 60 Hz HP and rpm. For use in industrial, commercial, centrifugal, and hydraulic pumps. All models are UL Recognized and CSA Certified.

Note: Must equal or exceed service factor and HP for proper replacement.

HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Service Factor	Brand	Mfr. Stock No.	Item No.	\$ Each
Open Driproof, Face-Mount									
$\frac{1}{3}$	3450	CW/CCW	208-230/460	1.5-1.8/0.9	1.75	Marathon Motors	K748	4N087 ✓	243.25
$\frac{1}{2}$	3450	CW/CCW	208-230/460	2.0-2.0/1.0	1.6	Marathon Motors	K217	4N062 ✓	274.75
$\frac{3}{4}$	1725	CW/CCW	208-230/460	2.3-2.2/1.1	1.25	Marathon Motors	K553	4N085 ✓	368.75
$\frac{1}{2}$	1725	CW/CCW	208-230/460	3.3-3.0/1.5	1.25	Marathon Motors	K555	4N086 ✓	433.00
1	3450	CW/CCW	208-230/460	3.3-3.2/1.6	1.4	Marathon Motors	K221	4N064 ✓	324.25
	1725	CW/CCW	208-230/460	3.6-3.8/1.9	1.15	Marathon Motors	K750	4N089 ✓	451.50
$1\frac{1}{2}$	3450	CW/CCW	208-230/460	5.0-4.8/2.4	1.3	Marathon Motors	K223	4N065 ✓	434.25
2	1725	CW/CCW	208-230/460	5.8-5.6/2.8	1.15	Marathon Motors	K751	4N090 ✓	495.25
2	3450	CW/CCW	208-230/460	6.0-6.0/3.0	1.2	Marathon Motors	K225	4N066 ✓	479.50
3	3450	CW/CCW	208-230/460	8.9-8.2/4.1	1.15	Marathon Motors	K227	4N067 ✓	611.00
Open Driproof, Face/Base-Mount									
$\frac{3}{4}$	3450	CW/CCW	208-230/460	2.6-2.6/1.3	1.5	Marathon Motors	K1483	5U264 ✓	325.00
	3450	CCWSE	208-230/460	3.0-3.2/1.6	1.50	Dayton	—	3N088 ✓	282.50
$1\frac{1}{2}$	3450	CW/CCW	208-230/460	5.0-4.8/2.4	1.15	Marathon Motors	K1484	5U265 ✓	459.00
	3450	CCWSE	208-230/460	5.2-5.0/2.5	1.30	Dayton	—	3N090 ✓	443.75
Totally Enclosed Fan-Cooled, Face-Mount									
$\frac{1}{2}$	3450	CW/CCW	208-230/460	2.1-2.0/1.0	1.6	Marathon Motors	K230	4N070 ✓	310.50
	1725	CW/CCW	208-230/460	2.3-2.2/1.1	1.0	Marathon Motors	K550	4N084 ✓	374.25
$1\frac{1}{2}$	3450	CW/CCW	208-230/460	4.8-4.2/2.1	1.3	Marathon Motors	K236	4N076 ✓	395.25
2	3450	CW/CCW	208-230/460	5.8-5.4/2.7	1.2	Marathon Motors	K238	4N078 ✓	437.25
3	3450	CW/CCW	230/460	8.0/4.0	1.0	Marathon Motors	K240	4N080 ✓	535.00
Totally Enclosed Fan-Cooled, Face/Base-Mount									
$\frac{3}{4}$	3450	CW/CCW	208-220/440	2.8-2.9/1.5	1.0	Marathon Motors	K630	5TB74 ✓	340.50
1	3450	CW/CCW	208-230/460	3.2-3.0/1.5	1.4	Marathon Motors	K245	4N082 ✓	375.00
$1\frac{1}{2}$	3450	CW/CCW	208-230/460	4.8-4.2/2.1	1.3	Marathon Motors	K246	4N083 ✓	395.25



Friendly. A.O. Smith Electrical Products Company
A Regal Beloit Company

Whirlpool and Above-Ground Open Driproof Pool Pump Motors

- Service factor: 1.0, except No. **16U419** is 1.5
- Insulation: Class B, except Nos. **16U424** and **16U427** are Class F
- Max. ambient: 40°C, except Nos. **16U428** and **16U424** are 50°C
- Thermal protection: auto
- Bearings: ball

Replacement motors work with most leading tub, spa, and above-ground pool pumps with threaded-shaft drives. 12 and 3 o'clock conduit entries provide wiring flexibility. Shaft: steel, $\frac{3}{16}$ -16 UNC-2A RH threaded $\frac{1}{2}$ " from end, $2\frac{3}{8}$ "L, except CCWLE No. **5PB57** is $\frac{3}{16}$ -16 UNC-2A LH threaded $\frac{1}{2}$ " from end, $2\frac{3}{8}$ "L. All motors are UL Recognized and CSA Certified, except Nos. **12N867** and **16U424** to **16U428** are UL Recognized only.

Note: Must equal or exceed service factor and HP for proper replacement.



Hi-Speed PSC, Low-Speed Capacitor-Start, Capacitor-Run

HP	Nameplate RPM	NEMA/IEC Frame	Rotation	Voltage	Full Load Amps	Mounting	Shaft	Mfr. Model	Item No.	\$ Each
1-Phase										
1.5/.188	3450/1725	48Y	CCW/SE	115	13.5/4.7	Base	R.H. Threaded $\frac{3}{16}$ -16 UNC-2A	BN50V1	12N867 †✓	404.50
Capacitor-Start										
$\frac{3}{4}$	3450	56CZ	CCW	115/230	6.4/12.8	Face	Threaded $\frac{1}{2}$ -20 UNF-2A RH	B625	16U419 ✓	396.50
2	3450	48Y	CCWSE	115/230	20.0/10.0	Base	Threaded $\frac{3}{16}$ -16 UNC-2A	BN40SS	5PB52 ✓	403.75
$2\frac{1}{4}$	3450/1725	48Y	CCWSE	230	10.5/2.6	Base	Threaded $\frac{3}{16}$ -16 UNC-2A	BN51	5PB54 ✓	458.50
$2\frac{1}{4}$	3450/1725	48Y	CCWSE	230	8.5/2.8	Base	Threaded $\frac{3}{16}$ -16 UNC-2A	BN61	5PB56 *✓	523.00
Hi-Speed PSC, Low-Speed Capacitor-Start, Capacitor-Run										
1.5, $\frac{3}{4}$	3450/1725	48Y	CCWSE	230	6.5/2.5	Base	Threaded $\frac{3}{16}$ -16 UNC-2A	BN34V1	14L701 ✓	374.25
1, $\frac{1}{10}$	3450/1725	56Z	CCW	115	10.4/3.6	Stud	Threaded $\frac{3}{16}$ -16 UNC-2A RH	SDS1102	16U428 †✓	285.75
$1\frac{1}{2}, \frac{1}{6}$	3450/1725	56Z	CCW	230	7.2/2.4	Stud	Threaded $\frac{3}{16}$ -16 UNC-2A RH	SDS1152	16U425 ✓	335.50
$2, \frac{1}{4}$	3450/1725	56Z	CCW	230	8.5/3.0	Stud	Threaded $\frac{3}{16}$ -16 UNC-2A RH	SDS1202	16U424 †✓	404.00
$2\frac{1}{2}, \frac{1}{4}$	3450/1725	56Z	CCW	230	10.7/3.0	Stud	Threaded $\frac{3}{16}$ -16 UNC-2A RH	SDS1252	16U426 †✓	464.00
$3, \frac{1}{3}$	3450/1725	56Z	CCW	230	12.0/3.7	Stud	Threaded $\frac{3}{16}$ -16 UNC-2A RH	SDS1302	16U427 †✓	534.00
Split-Phase										
$\frac{1}{2}$	3450	48Y	CCWSE	115	7.0	Base	Threaded $\frac{3}{16}$ -16 UNC-2A RH	BN23V1	14L702 ✓	208.50
$\frac{3}{4}, \frac{1}{10}$	3450/1725	48Y	CCWSE	115	8.8/2.6	Base	Threaded $\frac{3}{16}$ -16 UNC-2A RH	BN36	5PB49 ✓	290.50
$\frac{3}{4}$	3450	48Y	CCWSE	115	9.8	Base	Threaded $\frac{3}{16}$ -16 UNC-2A RH	BN24V1	5XTA6 ✓	226.50
1	3450	48Y	CCWLE	115	9.0	Stud	Threaded $\frac{3}{16}$ -16 UNC-2A RH	BV91	5PB57 ✓	256.75

* Extra-low running amp design. † 2-Speed.

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

49



1-Phase and 3-Phase Square-Flange Open-Driproof Pool Pump Motors

- Mounting: flange, horizontal only
- Insulation: Class B
- Thermal protection: auto, except 3-phase motors have none
- Bearings: ball

Motors are equivalent replacements for most popular pool and spa manufacturers' pumps. PSC and 3-phase motors are single-compartment design. Capacitor-start/capacitor-run motors are 2-compartment design. Shaft: 303 stainless steel, 1/2-20 UNF-2A RH external threads. UL Recognized and CSA Certified.

Note: Must equal or exceed service factor and HP for proper replacement.



HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Service Factor	Efficiency Group	Ambient	Brand	Mfr. Stock No.	Item No.	\$ Each
48Y Frame Capacitor-Start											
1/3	3450	CCWSE	115/230	9.9/5.0	1.95	Standard	50°C	Century	SQ1032	5PB86	✓ 244.50
	3450	CCWSE	115/230	9.6/4.8	1.90	High	50°C	Century	QC1052	5PB80	†✓ 329.25
1/2	3450	CCWSE	115/230	9.9/5.0	1.30	Standard	50°C	Century	USQ1052	5PE28	230.00
	3450	CCWSE	115/230	11.8/5.9	1.90	Standard	50°C	Century	SQ1052	5PB88	✓ 272.25
	3450	CCWSE	115/230	9.6/4.8	1.27	High	50°C	Century	UQC1072	5PE20	†✓ 329.25
3/4	3450	CCWSE	115/230	11.8/5.9	1.27	Standard	50°C	Century	USQ1072	5PE30	✓ 260.75
	3450	CCWSE	115/230	12.6/6.3	1.65	High	50°C	Century	QC1072	5PB82	†✓ 362.00
	3450	CCWSE	115/230	14.8/7.4	1.65	Standard	50°C	Century	SQ1072	5PB90	✓ 311.00
	3450	CCWSE	115/208-230	16.0/8.0-8.0	1.65	High	50°C	Century	QC1102	5PB84	†✓ 365.50
1	3450	CCWSE	115/230	12.6/6.3	1.25	High	50°C	Century	UQC1102	5PE22	†✓ 362.50
	3450	CCWSE	115/230	14.8/7.4	1.25	Standard	50°C	Century	USQ1102	5PE32	✓ 276.00
	3450	CCWSE	115/230	19.2/9.6	1.65	Standard	50°C	Century	SQ1102	5PB92	✓ 360.00
	3450	CCWSE	115/230	16.0/8.0	1.10	High	50°C	Century	UQC1152	5PE24	†✓ 391.25
1 1/2	3450	CCWSE	115/230	19.2/9.6	1.10	Standard	50°C	Century	USQ1152	5PE34	✓ 319.75
	3450	CCWSE	230	10.4	1.47	High	50°C	Century	SQ1152	5PB94	† 462.75
2	3450	CCWSE	230	10.4	1.10	High	50°C	Century	USQ1202	5PE36	†✓ 455.25
	3450	CCWSE	230	11.2	1.30	High	50°C	Century	SQ1202	5PB96	† 564.00
2 1/2	3450	CCWSE	230	11.2	1.0	High	50°C	Century	USQ1252	5PE38	† 465.00
3-Phase											
1/2	3450	CW/CCW	208-230/460	3.0/1.5	1.90	Standard	50°C	Century	Q3052	16U457	✓ 408.00
3/4	3450	CCW	208-230/460	3.6/1.8	1.65	Standard	50°C	Century	Q3072	16U462	✓ 444.75
1	3450	CCW	208-230/460	4.7/2.35	1.65	Standard	50°C	Century	Q3102	16U459	✓ 499.00
1 1/2	3450	CW/CCW	208-230/460	6.8/3.4	1.47	Standard	50°C	Century	Q3152	16U461	✓ 633.50
2	3450	CCW	208-230/460	8.5/4.25	1.30	Standard	50°C	Century	Q3202	16U453	✓ 767.50
56Y Frame Capacitor-Start											
1/3	3450	CCWSE	115/230	6.4/3.2	1.95	Standard	40°C	Marathon Motors	C1168	2K403	✓ 232.25
1/2	3450	CCWSE	115/230	10.8/5.4	1.90	Standard	40°C	Marathon Motors	C1169	2K404	✓ 235.75
3/4	3450	CCWSE	115/230	12.6/6.3	1.65	Standard	50°C	Marathon Motors	C1170	2K405	✓ 239.50
1	3450	CCWSE	115/230	16.4/8.2	1.65	Standard	50°C	Marathon Motors	C1171	2K406	✓ 267.50
1 1/2	3450	CCWSE	230	7.6	1.50	High	50°C	Marathon Motors	C1172	2K407	✓ 305.25
2	3450	CCWSE	230	8.7	1.30	High	50°C	Marathon Motors	C1173	2K408	✓ 405.50
3	3450	CCWSE	208-230	15.0-13.3	1.15	Standard	50°C	Century	SQ1302V1	2GMP9	†✓ 722.50
Hi-Speed-PSC, Low-Speed Capacitor-Start/Capacitor-Run											
3/4, 1 1/2	3450/1725	CCW	115	12.2/2.0	1.67	High	50°C	Century	B2981	16U437	✓ 515.00
	3450/1725	CCW	230	5.8/0.9	1.67	High	50°C	Century	B2980	16U439	✓ 515.00
1, 1 1/2	3450/1725	CCW	230	7.4/1.4	1.65	High	50°C	Century	B2982	16U438	✓ 544.00
1 1/2, 2 1/2	3450/1725	CCW	230	10.0/1.6	1.47	High	50°C	Century	B2983	16U434	✓ 633.50
2, 1/2	3450/1725	CCW	230	11.0/1.8	1.30	High	50°C	Century	B2984	16U435	✓ 794.00
PSC											
1/2	3450	CCW	115/208-230	8.8/4.5-4.4	1.90	High	50°C	Century	B845	16U451	✓ 377.25
	3450	CCWSE	115/230	8.2/4.1	1.95	Standard	50°C	Century	B2846	6UEV2	†✓ 272.25
	3450	CCW	115/208-230	11.2/6.0-5.6	1.67	Standard	50°C	Century	B2661	16U450	✓ 415.50
3/4	3450	CCW	115/230	10.8/5.4	1.25	Standard	50°C	Century	B2852	16U447	✓ 311.75
	3450	CCWSE	115/230	10.4/5.2	1.65	Standard	50°C	Century	B2847	6UEV3	†✓ 311.00
1	3450	CCW	115/208-230	14.8/7.8-7.4	1.65	Standard	50°C	Century	B2841	16U445	✓ 411.00
	3450	CCWSE	115/230	13.2/6.6	1.25	Standard	50°C	Century	B2853	16U442	✓ 356.25
	3450	CCW	115/230	12.0/6.0	1.65	Standard	50°C	Century	B2848	6UEV4	†✓ 352.00
	3450	CCW	115/230	16.0/8.0	1.10	Standard	50°C	Century	B2854	16U440	✓ 413.50
1 1/2	3450	CCW	208-230	9.6-8.8	1.47	Standard	50°C	Century	B2842	16U449	✓ 577.00
	3450	CCW	230	10.0	1.50	Standard	50°C	Century	B849	16U443	✓ 531.50
	3450	CCWSE	115/230	21.0/10.5	1.50	Standard	50°C	Century	B2858	6FJF3	✓ 479.25
2, 1/2	3450/1725	CCW	230	10.0/3.5	1.10	Standard	40°C	Century	B985	16U436	✓ 751.50
	3450	CCW	115/230	21.0/10.5	1.10	Standard	50°C	Century	B2859	16U452	✓ 550.00
2	3450	CCW	208-230	11.0-10.2	1.30	Standard	50°C	Century	B2843	16U446	✓ 697.00
	3450	CCW	230	10.0	1.10	Standard	50°C	Century	B855	16U441	✓ 531.50
	3450	CCWSE	230	8.8	1.30	Standard	50°C	Century	B2748	6UEV5	†✓ 567.00
2 1/2	3450	CCW	230	11.5	1.04	Standard	50°C	Century	B2840	16U448	✓ 647.50
3	3450	CCW	208-230	15.0-13.6	1.15	Standard	50°C	Century	B2844	16U444	✓ 801.50
3-Phase											
1/2	3450	CW/CCW	208-230/460	3.2-3.0/1.5	1.90	Standard	50°C	Century	H491	4YY42	†✓ 295.00
3/4	3450	CW/CCW	208-230/460	3.8-3.6/1.8	1.65	Standard	50°C	Century	H492	4YY43	†✓ 322.50
1	3450	CW/CCW	208-230/460	5.0-4.6/2.3	1.65	Standard	50°C	Century	H635	4YY44	✓ 358.50
1 1/2	3450	CW/CCW	208-230/460	6.4-5.8/2.9	1.47	Standard	50°C	Century	H636	4YY45	† 450.50
2	3450	CW/CCW	208-230/460	7.1-6.8/3.4	1.30	Standard	50°C	Century	H637	4YY46	† 547.00
3	3450	CW/CCW	208-230/460	10.0/5.0	1.15	Standard	50°C	Century	Q3302V1	16U454	✓ 826.50
5	3450	CW/CCW	208-230/460	9.0-8.6/4.3	1.15	Standard	50°C	Century	H755	4YY47	✓ 611.50
	3450	CW/CCW	208-230/460	13.4-13.4/6.7	1.0	Standard	40°C	Century	H995	16U481	✓ 948.50

† Motor shafts also have 1/4-20 UNC-2B LH internal threads. ‡ Pentair/Pac Fab replacement.

MOTORS

Solid-Shaft & Oil Well Pumping Motors



No. 3EAE6



3-Phase Vertical-Mount Solid-Shaft Pump Motors

- Enclosure: totally enclosed fan-cooled
- Voltage: 208-230/480
- Mounting: flange
- Insulation: Class F
- Max. ambient: 40°C
- Thermal protection: none
- Bearings: ball (regreasable 254HP frame and above)
- Rotation: CW/CCW
- Inverter rated, 100:1 variable and 20:1 constant torque

- Service factor: 1.25
- Warranty: 1½ yr.

P-base motors are cast-iron with automatic drain plugs and a drip-cover canopy. Suitable for dusty and moist environments such as wastewater treatment plants, petrochemical applications, pulp and paper mills, and agricultural irrigation systems. UL Recognized, CSA and CE Certified.

HP	Nameplate RPM	NEMA/IEC Frame	Full Load Amps	Nom. Efficiency	Overall Length	Mfr. Model	Item No.	\$ Each
1	1765	143HP	3.27-2.96/1.48	82.5	14 1/8"	00118EP3E143HP	3EAE6	✓ 617.00
	3480	143HP	4.58-4.14/2.07	82.5	14 1/8"	00156EP3E143HP	3EAE7	✓ 673.00
1 1/2	1760	145HP	4.5-4.1/2.05	84.0	15 1/8"	00158EP3E145HP	3EAE8	✓ 662.00
2	3480	145HP	5.75-5.20/2.60	84.0	15 1/8"	00236EP3E145HP	3EAE9	✓ 694.50
	1750	145HP	6.13-5.54/2.77	84.0	15 1/8"	00218EP3E145HP	3EAF1	✓ 744.50
3	3500	182HP	8.21-7.42/3.71	85.5	16 1/4"	00336EP3E182HP	3EAF3	✓ 1,106.00
	1765	182HP	8.96-8.10/4.05	87.5	16 1/4"	00318EP3E182HP	3EAF4	✓ 1,100.00
5	3480	184HP	13.0-11.8/5.9	87.5	16 1/4"	00536EP3E184HP	3EAF5	✓ 1,291.00
	1750	184HP	14.5-13.1/6.55	87.5	16 1/4"	00518EP3E184HP	3EAF6	✓ 1,246.00
7 1/2	3515	213HP	19.2-17.3/8.66	88.5	19 7/8"	00736EP3E213HP	3EAF8	✓ 1,721.00
	1765	213HP	21.1-19.0/9.52	89.5	19 7/8"	00718EP3E213HP	3EAF9	✓ 1,637.00
10	3500	215HP	25.9-23.4/11.7	89.5	21 1/8"	01036EP3E215HP	3EAH1	✓ 2,022.00
	1760	215HP	28.3-25.6/12.8	89.5	21 1/8"	01018EP3E215HP	3EAH2	✓ 1,956.00
15	3530	254HP	37.6-34.0/17.0	90.2	25 9/16"	01536EP3E254HP	3EAH4	✓ 2,878.00
	1760	254HP	40.0-36.2/18.1	91.0	25 9/16"	01518EP3E254HP	3EAH5	✓ 2,933.00
20	3515	256HP	52.0-47.0/23.5	90.2	27 1/8"	02036EP3E256HP	3EAH7	✓ 3,457.00
	1755	256HP	54.4-49.2/24.6	91.0	27 1/8"	02018EP3E256HP	3EAH8	✓ 3,181.00
25	3525	284HP	64.1-58.0/29.0	91.0	28 1/8"	02536EP3E284HP	3EAH1	✓ 4,237.00
	1760	284HP	65.5-59.2/29.6	92.4	28 1/8"	02518EP3E284HP	3EAH3	✓ 4,237.00
30	3520	286HP	74.5-67.4/33.7	91.0	30 1/8"	03036EP3E286HP	3EAH6	✓ 5,102.00
	1760	286HP	76.7-69.4/34.7	92.4	30 1/8"	03018EP3E286HP	3EAH8	✓ 4,636.00
40	3550	324HP	102.0-92.4/46.1	91.7	33 1/16"	04036EP3E324HP	3EAJ2	✓ 6,378.00
	1770	324HP	105.95-92.4/46.7	93.0	33 1/16"	04018EP3E324HP	3EAJ3	✓ 6,132.00
50	3555	326HP	125.0-113.0/56.5	92.4	34 1/8"	05036EP3E326HP	3EAJ5	✓ 7,808.00
	1770	326HP	130-117/58.7	93.0	34 1/8"	05018EP3E326HP	3EAJ6	✓ 7,022.00



Totally Enclosed Fan-Cooled

Open Driproof



3-Phase Oil Well Pumping Motors

- Voltage: 208-230/480
- Mounting: rigid base
- Insulation: Class F, with Class B temp. rise
- Max. ambient: 40°C
- Thermal protection: none
- Bearings: ball (regreasable 254T frame and above)
- Rotation: CW/CCW
- Inverter rated, 100:1 variable and 20:1 constant torque
- NEMA design: D
- Warranty: 1½ yr.

These motors provide the high-slip torque and high-starting torque that oil well beam pumping units demand. Suitable for use in beam pumps, sucker rod pumps, or any application requiring high-starting torque or high-slip torque. UL Recognized, CSA and CE Certified.

HP Open Driproof	Nameplate RPM	NEMA Frame	Full Load Amps	Service Factor	Nom. Efficiency	Overall Length	Mfr. Model	Item No.	\$ Each
1 1/2	1125	184T	5.88-5.32/2.66	1.0	71.0	14 5/8"	001520S2E0W184T	3HAN9	✓ 923.00
2	1125	184T	7.43-6.72/3.36	1.0	81.3	14 5/8"	002120S3E0W184T	3HAN1	✓ 957.50
3	1115	213T	10.4-9.38/4.69	1.0	80.7	17 1/8"	003120S3E0W213T	3HAN2	✓ 1,231.00
5	1135	215T	15.8-14.3/7.15	1.0	85.5	17 1/8"	005120S3E0W215T	3HAN3	✓ 1,404.00
7 1/2	1115	254T	21.3-19.3/9.63	1.0	81.5	20 1/16"	007120S3E0W254T	3HAN4	✓ 2,365.00
10	1110	256T	29.9-27.0/13.5	1.0	83.0	22 3/8"	010120S3E0W256T	3HAN5	✓ 3,017.00
15	1105	284T	40.0-36.4/18.2	1.0	86.5	23 3/8"	015120S3E0W284T	3HAN6	✓ 3,531.00
20	1110	286T	54.2-49.0/24.5	1.0	86.5	24 1/8"	02020S3E0W286T	3HAN7	✓ 3,836.00
25	1120	324T	74.3-67.2/33.6	1.0	86.5	26 3/16"	025120S3E0W324T	3HAN8	✓ 4,862.00
30	1120	326T	86.3-78.0/39.0	1.0	88.5	27 1/16"	030120S3E0W326T	3HAN9	✓ 5,154.00
40	1135	365T	113-103/51.3	1.0	88.5	29 3/4"	040120S3E0W365T	3HAP1	✓ 8,012.00
50	1125	405T	136-123/61.7	1.0	88.5	34 1/8"	050120S3E0W405T	3HAP2	✓ 10,386.00
Totally Enclosed Fan-Cooled									
3	1060	215T	11.0-9.96/4.98	1.15	73.9	19 1/8"	00312ES3E0W215T	3HAP6	✓ 1,370.00
5	1070	215T	16.4-14.8/7.40	1.15	77.5	19 1/8"	00512ES3E0W215T	3HAP7	✓ 1,669.00
7 1/2	825	256T	16.0-14.5/7.25	1.15	77.0	25"	00509ES3E0W256T	3HAP8	✓ 2,872.00
10	1125	254T	20.5-18.5/9.26	1.15	83.8	23 3/16"	00712ES3E0W254T	3HAP9	✓ 2,409.00
15	1110	256T	28.9-26.1/13.1	1.15	80.0	25"	01012ES3E0W256T	3HAR1	✓ 2,882.00
20	830	286T	30.7-27.8/13.9	1.15	82.5	28"	01009ES3E0W286T	3HAR2	✓ 3,932.00
25	1115	284T	40.8-36.9/18.5	1.15	85.0	26 1/16"	01512ES3E0W284T	3HAR3	✓ 3,910.00
30	850	324T	43.0-38.9/19.5	1.15	85.5	29 3/8"	01509ES3E0W324T	3HAR4	✓ 5,365.00
40	1115	286T	54.4-49.2/24.6	1.15	86.0	28"	02021ES3E0W286T	3HAR5	✓ 4,364.00
50	850	326T	57.9-52.4/26.2	1.15	85.5	31 1/8"	02009ES3E0W326T	3HAR6	✓ 6,112.00
25	1135	324T	65.9-59.6/29.8	1.15	88.5	29 5/8"	02512ES3E0W324T	3HAR7	✓ 5,324.00
30	1135	326T	78.5-71.0/35.5	1.15	89.4	31 1/8"	03012ES3E0W326T	3HAR8	✓ 6,089.00
40	1130	365T	137-124/62.0	1.15	87.5	33 1/16"	04012ES3E0W365T	3HAR9	✓ 8,693.00
50	1135	404T	136.0-124.0/62.0	1.15	88.1	38"	05012ES3E0W404T	3HAT1	✓ 11,376.00

1-Phase Open Driproof Carbonator Pump Motors

- Type: split-phase
- Enclosure: open driproof
- Insulation: Class B
- Max. ambient: 40°C
- Thermal protection: auto
- Rotation: CW/CCW

Motors have a threaded conduit hole. Short, slotted shaft permits close-coupling the carbonator pump to the motor. Extended hub for direct-mounting pump to motor. Use for liquid transfer pumps, vending machine pumps, and other hub-mounted pump applications. See page 3783 for an assortment of suitable pumps. UL Recognized and CSA Certified.



	HP	Nameplate RPM	RPM @ 50 Hz	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Bearings	Mounting	Shaft Dia.	Mfr. Stock No.	Item No.	\$ Each
Marathon Motors													
	1/4	1725	—	48Y	115	5.0	1.0	Ball	Cradle	1/2"	4725	3K067	✓ 123.30
	1725	—	48Y	115	5.0	1.0	Ball	Base	1/2"	HG679	5U253	✓ 138.80	
	1725	1425	48Y	100-120/200-240	5.5-5.6, 2.7-2.8	1.0	Ball	Base	5/8"	H712	3VG37	*✓ 192.00	
	1725	1425	48Y	100-120/200-240	5.5-5.6, 2.7-2.8	1.0	Ball	Cradle	5/8"	H683	5U257	✓ 151.50	
	1725	—	48Y	115	5.6	1.15	Ball	Cradle	1/2"	4406	3K068	✓ 133.60	
	1725	—	48Y	115	5.6	1.15	Ball	Base	1/2"	HG680	5U254	✓ 154.00	
	1725	—	48Y	115	6.1	1.0	Ball	Cradle	5/8"	H682	5U256	✓ 140.60	
	1725	1425	48Y	220-240	2.7-2.7	1.0	Ball	Cradle	5/8"	HG450	2K457	✓ 168.50	
	1725	1425	48Y	100-120/200-240	7.1-7.2, 3.4-3.6	1.0	Ball	Cradle	5/8"	H684	5U258	✓ 231.00	
	1/2	1725	—	48Y	115	7.2	1.2	Ball	Cradle	5/8"	H926	5X887	✓ 141.30
	1725	—	48Y	115/230	10.4/5.2	1.0	Ball	Cradle	5/8"	HG714	10A276	✓ 188.50	
Century													
	1/4	1725	—	48Y	115	4.4	1.0	Sleeve	Cradle	5/8"	CB2024AV1	5DVX8	✓ 167.25
	1725	1425	48	115/230	4.6/2.3	1.0	Sleeve	Cradle	5/8"	CB2034AD	5DVX9	✓ 195.25	
	1725	1425	48	115/230	6.8/3.4	1.0	Sleeve	Cradle	5/8"	CB2054AD	5DVY0	✓ 258.00	

* Has 1/2" x 1 1/2" rear shaft extension.

1-Phase Pressure Washer Pump Motors

- Type: capacitor-start
- Enclosure: open driproof
- Mounting: rigid
- Insulation: Class B
- Max. ambient: 40°C
- Thermal protection: manual

- Bearings: double-shielded ball
 - Rotation: CW/CCW, except No. **4UX55** is CWSE
- Corrosion-resistant; for use in hot and cold water high-pressure washer applications. UL Recognized and CSA Certified.



No. **5XB90**

* Capacitor-start, capacitor-run. † 3/4" x 1 1/8" shaft.

3-Phase Center-Pivot Irrigation Motors

- Enclosure: totally enclosed fan-cooled
- Mounting: face
- Service factor: 1.0
- Insulation: Class B
- Max. ambient: 40°C
- Bearings: ball
- Rotation: CW/CCW

Rainshield protects motor from corrosion caused by the high-moisture and chemical environment of irrigation systems. Drain holes in shaft endshield keep motor dry. Designed specifically for powering center-pivot irrigation systems. UL Recognized and CSA Certified.



No. **4N060**



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C-Face with
Removable Base



Rigid
Base

High- and Extra-High-Torque Capacitor-Start Motors

Dayton®

- Enclosure: totally enclosed fan-cooled
- Max. ambient: 40°C
- Thermal protection: manual
- Bearings: sealed ball, except Nos. **1TMY8** and **1TMY9** are shielded
- Rotation: CW/CCW
- Duty: continuous
- Color: green

Features include gasketed conduit box and a capacitor cover; a rubber boot over the manual protector reset button seals the motor against weather and contaminants. Oversized conduit boxes make connections easier. Shaft slinger included. For use with conveyors, silo unloaders, barn cleaners, compressors, and manure pumps. Extra-High-Torque motors have up to 400% starting torque for extremely hard-starting applications and can start under full-load conditions. All motors are UL Recognized and CSA Certified.

HP	Nameplate RPM	NEMA/ IEC Frame	Voltage	Full Load Amps	Service Factor	Replacement For	Insulation Class	Shaft Dia. (in.)	Shaft Length (in.)	Overall Length (in.)	Item No.	\$ Each
High-Torque, Rigid Base												
1/3	1725	56	115/230	6.6/3.3	1.15	4K034, 6K710	B	5/8	1 1/8	11 13/16	1TMY2 ✓	203.75
1/2	1725	56	115/230	8.8/4.4	1.15	4K035, 6K714	B	5/8	1 1/8	11 13/16	1TMY3 ✓	204.00
3/4	1725	56	115/230	11.0/5.5	1.15	4K036, 6K719	B	5/8	1 1/8	12 1/8	1TMY4 ✓	250.25
1	1725	56H	115/230	13.4/6.7	1.15	4K047, 6K727	B	5/8	1 1/8	12 1/8	1TMY5 ✓	279.00
1 1/2	1725	56H	115/230	15.2/7.6	1.15	4K040, 6K740	B	5/8	1 1/8	13 13/16	1TMY6 *✓	331.50
1 1/2	1725	145T	115/230	15.2/7.6	1.15	4K048, 6K311	B	7/8	2 1/4	13 1/8	1TMX5 *✓	331.50
2	1725	56HZ	115/230	18.8/9.4	1.15	4K041, 4K090	B	7/8	2 1/4	14 1/4	1TMW1 *✓	420.50
2	1740	182T	115/230	24.8/12.4	1.15	6K313	F	1 1/8	2 3/4	14 1/4	1TMX6 ✓	508.00
3	1740	184T	230	19.0	1.15	4K043, 6K610	F	1 1/8	2 3/4	16 1/4	1TMX8 ✓	559.50
5	1740	184T	230	20.5	1.15	4K044, 6K847	F	1 1/8	2 3/4	17 1/4	1TMY7 *✓	685.00
5	1740	213T	230	20.5	1.15	6K130	F	1 1/8	3 3/8	18	1TMX4 *✓	868.00
7 1/2	1740	215T	230	32.0	1.15	4K045, 6K969	F	1 1/8	3 3/8	20 3/16	1TMY8 *✓	943.50
10	1740	215T	230	40.0	1.0	4K046, 6K970	F	1 1/8	3 3/8	20 1/16	1TMY9 *✓	1,323.00
High-Torque, C-Face with Removable Base												
1/3	1725	56C	115/230	6.6/3.3	1.15	4VZ06, 4VZ07	B	5/8	1 1/8	11 13/16	1TMW3 ✓	342.50
1/2	1725	56C	115/230	8.8/4.4	1.15	4VZ08, 4VZ09	B	5/8	1 1/8	11 13/16	1TMW5 ✓	389.00
3/4	1725	56C	115/230	11.0/5.5	1.15	4VZ10, 4VZ11	B	5/8	1 1/8	12 1/8	1TMW7 ✓	452.75
1	1725	56HC	115/230	13.4/6.7	1.15	4VZ12, 4VZ13	B	5/8	1 1/8	12 1/8	1TMW9 ✓	537.50
1 1/2	1725	56HC	115/230	15.2/7.6	1.15	4VZ36, 4VZ37	B	5/8	1 1/8	13 13/16	1TMX2 *✓	599.00
2	1725	145TC	115/230	18.8/9.4	1.15	4VZ02	B	7/8	2 1/4	14 1/4	1TMW2 *✓	714.50
Extra-High-Torque, Rigid Base												
1	1725	143T	115/230	14.0/7.0	1.15	6K994	F	7/8	2 1/4	12 3/4	1TMV9 ✓	422.50
1 1/2	1725	143T	115/230	17.2/8.6	1.15	6K886	F	7/8	2 1/4	13 1/4	1TMV7 *✓	567.50
2	1740	182TZ	115/230	24.8/12.4	1.15	6K887	F	7/8	2 1/4	14 1/4	1TMV8 ✓	690.00
3	1740	184T	230	19.0	1.15	6K881	F	1 1/8	2 3/4	16 1/4	1TMV2 ✓	764.50
5	1740	184T	230	21.5	1.15	6K882	F	1 1/8	2 3/4	17 1/4	1TMV3 *✓	952.00
5	1740	215TZ	230	24.0	1.15	6K883	F	1 1/8	3 3/8	18 1/16	1TMV4 *✓	1,066.00
7 1/2	1740	215TZ	230	33.6	1.15	6K884	F	1 1/8	3 3/8	20 3/16	1TMV5 *✓	1,334.00
10	1740	215T	230	40.0	1.15	6K885	F	1 1/8	3 3/8	20 1/16	1TMV6 *✓	1,658.00

* Capacitor-start, capacitor-run.



No.
1EJR6

Milk Pump Motors

- Enclosure: totally enclosed non-ventilated
- Mounting: rigid base
- Insulation: Class B
- Max. ambient: 40°C
- Bearings: double-shielded ball
- Rotation: CW, except No. **33L125** is CW/CCW
- Duty: continuous
- Service factor: 1.0



No. 33L121

3-Phase Farm-Duty Motors

Dayton®

- Enclosure: totally enclosed fan-cooled

- Mounting: rigid base

- Insulation: Class B

- Max. ambient: 40°C

- Bearings: double-shielded ball with low-temperature grease to -20°F

- Rotation: CW/CCW

- Duty: continuous

Gasketed conduit box and shaft slinger provide added protection against moisture, dust, and dirt. Use for driving augers, air compressors, conveyors, pumps, and other farm equipment where 3-phase power is available. UL Recognized and CSA Certified.

HP	Nameplate RPM	NEMA/ IEC Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Item No.	\$ Each
Thread Shaft								
1/2	3450	56CZ	Auto	208-230/460	1.2-1.2/0.6	1.15	1EJR3 ✓	308.00
1/2	3450	56HCZ	Auto	208-230	1.6-1.8/0.9	1.15	1EJR4	325.25
3/4	3450	56HCZ	Auto	208-230/460	2.4-2.4/1.2	1.15	1EJR5 ✓	382.25
1	3450	143T	None	208-230/460	3.2-3.2/2.1	1.25	352916 ✓	427.75
1	1745	56	Manual	230/460	3.0/1.5	1.15	1EJR6 ✓	407.00
1 1/2	1750	145T	None	208-230/460	4.6-4.8/2.4	1.15	352917 ✓	441.50
1 1/2	1745	56	Manual	230/460	4.2/2.1	1.0	1EJR7	451.00
2	1745	145T	None	208-230/460	6.0-5.8/2.9	1.25	352918 ✓	468.00
3	1760	182T	None	208-230/460	8.4-7.8/3.9	1.15	352919 ✓	700.50
5	1760	184T	None	208-230/460	13.8-12.6/6.3	1.15	352920 ✓	753.00
7 1/2	1765	213T	None	208-230/460	22.4-25.2/12.6	1.25	352921 ✓	1,206.00
10	1765	215T	None	208-230/460	28.8-26.8/13.4	1.25	352922 ✓	1,354.00
Keyed Shaft								
3/4	3450	56HCZ	Auto	208-230	4.0-3.8	1.15	35L121 ✓	462.50
1	3450	56HCZ	Auto	208-230	4.8-4.5	1.25	35L122 ✓	521.00
Non-Keyed Shaft								
3/4	3450	56HCZ	Auto	208-230	4.0-3.8	1.15	35L125 ✓	603.00



Fomerly A. O. Smith Electrical Products Company
A Belden Company



1-Phase Auger-Drive Totally Enclosed Motors

- Insulation: Class B, except Nos. 33K161 to 33K165 are Class F
- Max. ambient: 40°C
- Thermal protection: manual
- Bearings: ball
- Rotation: CW/CCW

Guard on rotary switch protects against high-speed back-drive condition. Mounting flange assembles directly to gearbox on auger-drive systems. Capacitor-start models have shaft extensions beyond fan guard for hand cranking. Suitable as a replacement for Chore-Time, Cumberland, GSI, and other new and replacement OEM equipment. Nos. 33K161 to 33K165 include conduit box. UL Recognized and CSA Certified.

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Brand	Mfr. Model	Item No.	\$ Each
Capacitor-Start, Totally Enclosed Fan Cooled, Face Mount									
1/3	1725	48NZ	115/230	6.2/3.1	—	Marathon	48C17F11005	33K161	✓ 280.25
1/2	1725	48NZ	115/208-230	8/3.8-4	—	Marathon	48C17F11006	33K162	✓ 345.25
3/4	1725	48NZ	115/208-230	10.8/5.3-5.4	—	Marathon	48C17F11007	33K163	✓ 365.75
1	1725	56NZ	115/230	13.4/6.7	—	Marathon	56C17F15537	33K164	✓ 407.00
1 1/2	1725	56NZ	115/230	15.2/7.6	—	Marathon	56B17F15516	33K165	✓ 475.00
Split Phase, No Base, Totally Enclosed Non Ventilated									
1/3	1725	48NY	115/230	5.3/2.7	1.0	Marathon	5KH39QN9508Y	4K118	✓ 313.00
1/2	1725	56YZ	115/230	5.2/2.6	1.0	Dayton	—	3K994	*✓ 260.50
Split Phase, Rigid Base, Totally Enclosed Non Ventilated									
1/3	1725	56YZ	115/230	5.2/2.6	1.0	Dayton	—	5K043	*✓ 285.25
Capacitor Start, No Base, Totally Enclosed Fan Cooled									
1/3	1725	56YZ	115/230	7.2/3.6	1.0	Dayton	—	3K995	*✓ 373.25
3/4	1725	56YZ	115/230	9.1/4.6	1.0	Dayton	—	3K996	*✓ 388.00
Capacitor Start, Rigid Base, Totally Enclosed Fan Cooled									
1/3	1725	56YZ	115/230	7.2/3.6	1.0	Dayton	—	5K044	*✓ 377.00
3/4	1725	56YZ	115/230	9.1/4.6	1.0	Dayton	—	5K046	*✓ 414.50
1	1725	56Y	115/230	12.6/6.3	1.15	Dayton	—	4K997	✓ 462.25
1 1/2	1725	56Y	115/230	15.6/7.6	1.15	Dayton	—	4K998	‡✓ 595.00

* 60/50 Hz. ‡ Capacitor-start, capacitor-run.



1-Phase Heavy-Duty Auger-Drive Motors

- Enclosure: totally enclosed fan-cooled
- Service factor: 1.15
- Insulation: Class B
- Max ambient: 40°C
- Thermal protection: manual
- Bearings: ball
- Rotation: CW/CCW

Rugged motors offer longer life in the most demanding applications. Gasketing on capacitor and conduit box cover provides added protection against dust, dirt, and moisture. Feature oversized sealed ball bearings, protected centrifugal switch, and extended rear shaft with wrench flat for manually jogging auger. Suitable as a replacement in Chore-Time, Cumberland, GSI, Big Dutchman and other auger feed systems. UL Recognized and CSA Certified.

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Shaft Dia. (in.)	Shaft Length (in.)	Item No.	\$ Each
Capacitor-Start, Heavy-Duty, No Base								
1/3	1750	56N	115/230	5.6/2.8	1/2	1 3/4	4RGX3	✓ 270.75
1/2	1750	56N	115/230	7.4/3.7	1/2	1 3/4	4RGX4	✓ 349.75
3/4	1745	56N	115/230	10.6/5.3	1/2	1 3/4	4RGX5	✓ 383.50
Capacitor-Start, Heavy-Duty, Rigid Base								
1	1750	56N	115/230	14.0/7.0	5/8	2 1/2	4RGX6	✓ 430.75
1 1/2	1750	56HN	115/230	17.4/8.7	5/8	2 1/2	4RGX7	✓ 494.75



Single Output Auger Drive Parallel-Shaft Speed Reducers

- All-position mounting
- Double lip seals on input and output shafts
- Rotation: reversible
- Duty: Class I
- 1725 rpm (input)

Die-cast aluminum housing is precision machined for accurate shaft alignment. 2-stage spur gearing with induction-hardened teeth. Through hardened and ground pinions are cut integral with shafts. Ball bearings on output shaft. Reducers are shipped dry, except Nos. 36G519 and 36G520 are lubricated with food-grade grease. All models are suitable for use in fill systems, hog and poultry feed lines, mixers, screw conveyors, and spreaders.

Max. Input HP	NEMA/IEC Frame	Nom. Output RPM @1725 RPM	Nom. Ratio	Max. Torque (in.-lb.)	Overhung Load (lb.)	Load (lb.)	Bore Dia. (in.)	Shaft Dia. (in.)	Mfr. Model	Item No.	\$ Each
1 1/2	48N	360	4.81:1	255	254	254	0.500	3/4"	M164-48N-FRL	36G515	✓ 315.75
1 1/2	48N	350	4.81:1	255	107	107	0.500	5/8"	M164-48N-FE	36G516	✓ 315.75
1 1/2	48N	360	4.81:1	255	249	249	0.500	5/8"	M164-48N-FS	36G517	✓ 315.75
1 1/2	48N	350	4.81:1	255	197	197	0.500	3/4"	M164-48N-FX	36G518	✓ 315.75
1/2	48N	172 1/2	10:1	182	91	91	0.500	5/8"	MI-10-EE	36G519	✓ 328.75
1/2	56C	172 1/2	10:1	182	91	91	0.625	5/8"	MI-10-CE	36G520	✓ 362.75
1/2	56C	360	4.81:1	255	249	249	0.625	5/8"	M164-56C-FS	36G521	✓ 357.00
1 1/2	56C	157	11.08:1	255	191	191	0.625	7/8"	M164-56C-XS	36G522	✓ 357.00



No.
36G515



No.
36G519



No.
36G520

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

MOTORS

Farm-Duty Fan Motors



Dayton® marathon™
Motors

Poultry and Livestock Direct-Drive Fan Motors

- Stud pattern: 4 bolts, 3½" square for all, except nonventilated models

ADJUSTABLE SPEED

Designed to operate from 100% down to 80% speed with optional speed controllers, see page 346. For use with fans only; not intended for mechanical applications.

POULTRY FAN

Direct replacements for Acme, Aerotech, Dayton®, GSI, and LB White poultry fans.

TOTALLY ENCLOSED, NONVENTILATED

Farm-duty motors; for fan applications only.

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Replacement For	Mounting	Shaft Dia.	Shaft Length	Rotation	Insulation Class	Brand	Item No.	\$ Each
Adjustable Speed PSC														
1/4	1700	48YZ	115/230	3.4/1.7	1.0	4M251	Cradle/Stud	½"	2½"	CW/CCW	B	Dayton	1YAZ4	✓ 261.00
	1700	48YZ	115/230	3.4/1.7	1.0	4M254	Yoke	½"	2½"	CW/CCW	B	Dayton	1YAZ7	✓ 263.75
1/3	1725	48YZ	115/230	3.6/1.8	1.0	4M252	Cradle/Stud	½"	2½"	CW/CCW	B	Dayton	1YAZ5	✓ 296.00
	1725	48YZ	115/230	3.6/1.8	1.0	4M255	Yoke	½"	2½"	CW/CCW	B	Dayton	1YAZ8	✓ 284.75
1/2	1700	48YZ	115/230	5.5/2.8	1.0	4M253	Cradle/Stud	½"	2½"	CW/CCW	B	Dayton	1YAZ6	✓ 321.00
	1700	48YZ	115/230	5.5/2.8	1.0	4M256	Yoke	½"	2½"	CW/CCW	B	Dayton	1YAZ9	✓ 317.00
Poultry Fan PSC														
1/8	1100	48Y	115/230	3.6/1.8	1.0	6GC97	Stud	½"	2½"	CW/CCW	B	Dayton	1YBA5	✓ 214.25
	1100	48Y	115/230	3.6/1.8	1.0	6GC96	Base	½"	3½"	CW/CCW	B	Dayton	1YBA4	✓ 374.50
1/2	850	48Y	115/230	6.0/3.0	1.25	4M250, 6GC98	Stud	½"	2½"	CW/CCW	B	Dayton	1YAZ3	✓ 298.50
	850	56Z	115/230	6.6/3.3	1.0	6GC99	Base	½"	2½"	CW/CCW	B	Dayton	1YBA6	✓ 573.00
1	850	56CZ	230	5.8	1.0	6GD02	Face	½"	2½"	CWSE	F	Dayton	1YBA7	✓ 627.00
	850	56CZ	230	5.8	1.0	4M644	Face	¾"	3¼"	CWSE	F	Dayton	1YBA1	✓ 521.50
3-Phase														
1	850	56CZ	440/460	2.1-2.2	1.0	3XK38	Face	¾"	3¼"	CW/CCW	B	Dayton	1YAZ2	✓ 614.00
Totally Enclosed, Nonventilated PSC														
1/4	1625	48Z	115/230	3.6/1.8	1.0	—	Cradle	½"	2½"	CW/CCW	—	Marathon	33L616	✓ 172.50
	1075	48Z	115/230	7.2/3.6	1.0	—	Cradle	½"	2½"	CW/CCW	—	Marathon	33L621	✓ 221.75
3/4	1725/1425	56	115/208-230	7.3/3.5	1.0	—	Foot	½"	1½"	CCW	B	Marathon	33L622	✓ 251.50
1	1725/1425	56	115/208-230	10.6/5.5-5.3	1.0	—	Foot	½"	1½"	CCW	B	Marathon	33L623	✓ 258.25
1 1/2	1725	56	115/208-230	14.0/7.2-7.0	1.0	—	Foot	½"	1½"	CCW	B	Marathon	33L624	✓ 302.75
Split Phase														
1/6	1725	48	115	3.5	1.0	—	Rigid Base	½"	1½"	CCW	B	Marathon	33L614	✓ 167.50
1/4	1140	48	115	3.7	1.0	—	Rigid Base	½"	1½"	CCW	B	Marathon	33L615	✓ 250.75
1/4	1140	56	115	5.6	1.0	—	Rigid Base	½"	1½"	CCW	B	Marathon	33L617	✓ 295.25
1/3	1725	48Z	115	6.2	1.0	—	Rigid Base	½"	2½"	CCW	B	Marathon	33L618	✓ 146.70
1/2	1140	56	115/230	7.0	1.0	—	Foot	½"	1½"	CCW	B	Marathon	33L619	✓ 343.00
	1725	56	115/208-230	8.0/4.0-4.0	1.0	—	Rigid Base	½"	1½"	CCW	B	Marathon	33L620	✓ 199.75

Century® marathon™
Formerly A. D. Smith Electrical Products Company
Dayton®

Poultry and Livestock Belt-Drive Fan Motors

- Enclosure: totally enclosed air-over
- Insulation: Class B
- Max ambient: 40°C
- Thermal protection: auto
- Rotation: CW/CCW

Motors have higher service factors and breakdown torque for the most-demanding applications. Feature shaft slinger, gasketed capacitor and conduit box cover for added

protection against dirt and moisture. Motors also have double-sealed bearings, condensation drain holes, and cooler-running windings to promote longer service life. For use in Dayton®, Aerotech, American Coolair, Chore Time, Acme, Hired Hand, and other air-over belt drive livestock ventilation fans. UL Recognized and CSA Certified.



HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Mounting	Brand	Mfr. Model	Item No.	\$ Each
Split-Phase, Capacitor-Run										
1/2	1725/1425	56	115/208-230	4.8/2.4	1.3	Cradle	Century	PD1050AV1	3RCW8	335.50
Split-Phase										
1/4	1725	48	115/208-230	3.0/1.6-1.5	1.0	Rigid Base	Marathon	H649	2K349	✓ 297.00
1/3	1725	48	115/208-230	4.1/2.1-2.0	1.0	Rigid Base	Marathon	GG648	2K348	† 328.25
1/3	1725	56	115/230	5.0/2.5	1.25	Base	Dayton	—	1YBU8	✓ 246.00
1/2	1725	56	115/230	6.8/3.4	1.25	Base	Dayton	—	1YBV8	✓ 262.00
1/2	1725	56	115/230	6.8/3.4	1.25	Cradle	Dayton	—	1YBV9	✓ 262.50
1/2	1725	56	115/230	9.8/4.9	1.25	Cradle/Stud	Dayton	—	1YBW1	† 290.25
3/4	1725	56	115/230	13.4/6.7	1.25	Base	Dayton	—	1YBU9	✓ 352.00
1	1725	56	115/230	13.4/6.7	1.25	Base	Dayton	—	1YBV1	✓ 355.00
Capacitor-Start, Capacitor-Run										
1/2	1725	56	115/208-230	6.0/3.2-3.0	1.4	Cradle	Dayton	—	5JKW9	✓ 209.00
3/4	1725	56	115/208-230	7.2/3.8-3.6	1.30	Cradle	Dayton	—	4WNZ5	✓ 296.00
3/4	1725	56	115/208-230	7.2/3.8-3.6	1.30	Base	Dayton	—	4WNZ6	✓ 290.00
3/4	1725	56H	115/208-230	8.2/4.2-4.1	1.4	Cradle	Dayton	—	5JKX0	✓ 269.50
1	1725/1425	56	115/230	9.0/4.5	1.3	Cradle	Century	PD6104AV2	3RCW9	556.50
1	1725/1425	56	115/230	9.0/4.5	1.3	Base	Century	PD6104AV3	3RCX1	✓ 529.50
1	1725	56	115/208-230	9.2/5.3-4.6	1.15	Base	Dayton	—	4NXG2	✓ 292.50
1	1725	56H	115/208-230	9.8/5.2-4.9	1.4	Cradle	Dayton	—	4NXG3	✓ 289.00
1	1725	56H	115/208-230	9.8/5.2-4.9	1.4	Base	Dayton	—	5JKX1	✓ 297.75
1	1725	56H	115/208-230	9.8/5.2-4.9	1.4	Cradle	Dayton	—	5JKX2	✓ 308.25

† Includes 3½" x 3½" extended thru-bolts for fan guard mounting.



PSC Hatchery Motors

- Enclosure: totally enclosed air-over
 - Stud pattern: 4 bolts, 3 $\frac{3}{8}$ " square
 - Service factor: 1.0
 - Insulation: Class B
 - Max. ambient: 40°C
 - Bearings: double-sealed ball
 - Duty: continuous
 - 60/50 Hz, except where indicated
- UL Recognized and CSA Certified.

Incubator—Centrifugal switch trips external alarm circuit (not included) if motor stops. Shaft slinger adds protection

against dirt and moisture. Shaft is 1/2" dia. x 2 1/2" L with full-length flat. 1" clamp screws for fan shroud mounting. Designed for use in Chickmaster and Jamesway hatchers.

Setter—Shaft slinger protects against dirt and moisture. Shaft is 1/2" dia. x 1 1/16" L. Easy to install—mounting dimensions match OEM specs. No. 5XPP1 requires Motor Run Capacitor No. 2MDV9, sold separately. Capacitor included with Nos. 1YBA2 and 1YBA3. Designed for use in Chickmaster hatchers and setters.



No. 5U266



No. 1YBA2

* 50 Hz. ‡ Limited availability.



Aeration and Crop-Drying Fan Motors

- Service factor: 1.0
- Mounting: base
- Rotation: CW/CCW

Use as a replacement motor for tube-axial fan grain aeration systems made by Aero-Vent, Dynavent, Farm Fan, and other manufacturers. PSC motors have keyed shaft that is drilled on center 1" deep, and tapped 1/4-20 UNC to allow fan mounting.



Base Mount



Open Driproof Air-Over, PSC



Open Driproof Air-Over, PSC
No. 1YBV3

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Replacement For	Ambient Temp.	Shaft Dia.	Shaft Length	Insulation Class	Item No.	\$ Each
Totally Enclosed Air-Over, Capacitor-Start											
1/2	3450	48	115/230	6.4/3.2	4K055	50°C	1/2"	1 1/2"	B	1YBU1	✓ 313.25
3/4	3450	48	115/230	9.2/4.6	4K057	40°C	1/2"	2"	B	1YBU2	337.50
Totally Enclosed Air-Over, PSC											
3/4	3450	56Z	115/230	8.0/4.0	4K056, 4K058	40°C	5/8"	2 1/4"	B	1YBU3	329.00
1	3450	56Z	115/230	9.2/4.6	4K059	40°C	5/8"	2 1/4"	B	1YBU4	✓ 383.75
1 1/2	3450	143TZ	230	6.5	4K060	40°C	7/8"	2 1/4"	B	1YBU5	444.50
2	3450	143TZ	230	8.4	4K061	40°C	7/8"	2 1/4"	B	1YBU6	✓ 531.00
3	3450	145TZ	230	15.4	4K062	40°C	7/8"	2 1/4"	B	1YBU7	✓ 569.00
Open Driproof Air-Over, PSC											
7 to 10 1/2	3450	184TZ	200-230	48.0-41.0	4K093	50°C	1 1/8"	3 1/4"	F	1YBV3	✓ 1,027.00
10 to 14	3450	215TZ	200-230	57.0-52.0	4K094	50°C	1 1/8"	3 1/8"	F	1YBV4	†✓ 1,617.00
5 to 7	3440	184TZ	200-230	32.0-28.0	—	50°C	1 1/8"	4 1/2"	F	36G234	✓ 947.00
7 1/2-10 1/2	3450	215TZ	200-230	43.0-38.0	—	50°C	1 1/8"	4 1/2"	F	36G235	✓ 1,370.00
10 to 12	1720	215TZ	230	48.0-40.0	—	40°C	1 1/8"	5 1/2"	F	36G236	✓ 1,830.00
7-10 1/2	3480	184TZ	200-230	45.0-40.0	—	50°C	1 1/8"	4 1/2"	F	36G237	✓ 1,238.00

† Capacitors included, not mounted to motor.

Crop-Drying Fan Motors

- Enclosure: totally enclosed air-over
- Service factor: 1.0
- Insulation: Class F
- Mounting: rigid base
- Rotation: CW/CCW
- Bearings: double-sealed ball

Motors are 3-phase and include conduit box. Suitable for farm/agricultural applications requiring high starting torque, and for tubeaxial and vaneaxial direct drive dryers. UL Recognized and CSA Certified.



No. 33L665

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Ambient Temp.	Shaft Dia.	Shaft Length	Mfr. Model	Item No.	\$ Each
5 to 7	3500	148TZ	208-230/460	36.0	50°C	1 1/8"	4 1/2"	R244	33L665	✓ 769.50
7 to 10 1/2	3500	148TZ	208-230/460	27.0-25.0/12.5	50°C	1 1/8"	4 1/2"	R243	33L666	✓ 859.50
10 to 14	3460	215TZ	230/460	36.0	50°C	1 1/8"	4 1/2"	R327	33L667	✓ 1,045.00

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

57



Shaded Pole C-Frame Motors

- A. Stud/Hole-Mount
- B. Stud-Mount
- C. Hole-Mount

Sleeve-bearing models are mechanically reversible by inverting the rotor. For use in small fans and blowers found in bathroom ventilators, range hoods, electric heaters, hair dryers, slide projectors, air cleaners, humidifiers, and refrigeration equipment. UL Recognized and CSA Certified.

Stud/Hole-Mount

- Mounting: two #8-32 studs at shaft end, and mounting holes on each side of the stator, 1 $\frac{1}{8}$ " OC

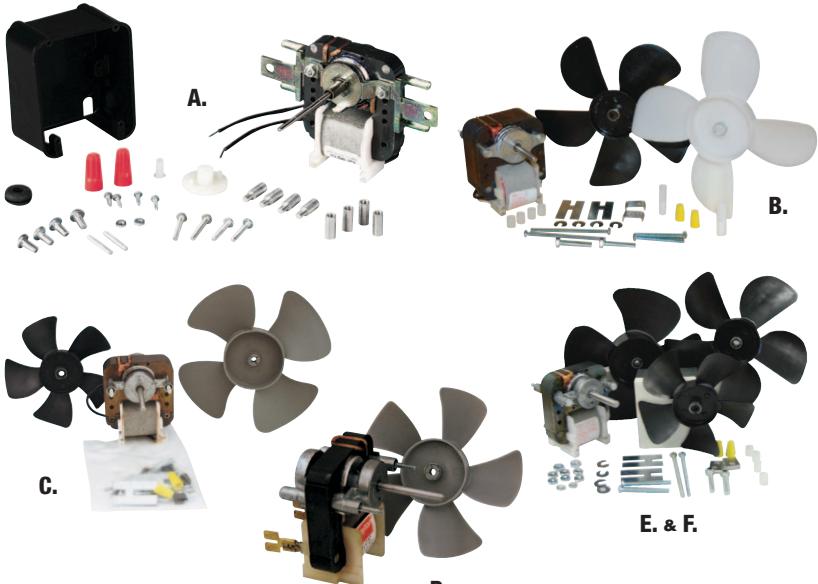
Stud-Mount

- Mounting: two #8-32 studs on 1 $\frac{1}{8}$ " OC
- OEM replacement with 2-prong plug

Hole-Mount

- Mounting: two #6-32 threaded holes on 1 $\frac{1}{8}$ " centers
- OEM replacement with OEM plug
- Dual shaft

Key	HP	Nameplate RPM	No. of Speeds	Voltage	Full Load Amps	Rotation	Thermal Protection	Bearings	Stack Size	Shaft Dia.	Shaft Length	Length Less Shaft	Item No.	\$ Each
A	1/600	3000	1	115	0.26	CWSE	Impedance	Sleeve	3/16"	3/16"	1"	1 1/2"	4M067	23.90
		3000	1	115	0.41	CWSE	Impedance	Sleeve	3/16"	3/16"	1"	1 1/2"	4M068	22.48
	1/250	3000	1	230	0.17	CWSE	Impedance	Sleeve	1/16"	3/16"	1"	1 1/2"	4M069	25.70
		3000	1	115	0.37	CWSE	Impedance	Ball	1/16"	3/16"	2 1/4"	1 1/2"	4M077	47.45
		3000	1	115	0.54	CWSE	Impedance	Sleeve	5/16"	3/16"	1"	11 1/16"	4M070	24.05
	1/150	3000	1	230	0.24	CWSE	Impedance	Sleeve	5/16"	3/16"	1"	11 1/16"	4M071	28.75
		3000	1	115	1.08	CWSE	Impedance	Ball	5/16"	3/16"	2"	11 1/16"	4M078	52.75
		3000	1	115	0.62	CWSE	Impedance	Sleeve	7/16"	3/16"	1"	2"	4M072	31.80
		3000	1	115	1.16	CWSE	Auto	Sleeve	7/16"	3/16"	1"	2"	4M073	33.90
	1/70	3000	1	230	0.48	CWSE	Auto	Sleeve	7/16"	3/16"	1"	2"	4M074	37.45
		3000	2	115	1.03	CWSE	Auto	Sleeve	7/16"	3/16"	1"	2"	4M075	37.70
B		3000	1	115	0.96	CWSE	Auto	Ball	7/16"	3/16"	2"	1 1/8"	4M079	✓ 54.15
		3000	1	115	1.19	CWSE	Auto	Sleeve	1 1/16"	3/16"	1"	2 5/8"	4M076	49.10
C	1/40	3000	1	115	1.44	CWSE	Auto	Ball	1 1/16"	3/16"	2"	2 1/2"	4M080	✓ 65.00
		3000	1	115	2.83	CWSE	Auto	Sleeve	2"	1/4"	1"	3 1/8"	5M064	✓ 66.95
Stud Mount														
B		2850	1	115	0.61	CW	Impedance	Sleeve	5/16"	3/16"	1 1/16"	1 1/2"	4M211	33.85
	1/150	2800	1	115	0.93	CCW	1 Shot	Sleeve	1/2"	7/32"	1 3/4"	11 1/16"	4M209	36.70
		2800	1	115	0.59	CCW	Impedance	Sleeve	5/16"	3/16"	1 1/16"	1 1/2"	4M210	31.45
		2750	1	115	0.52	CW	1 Shot	Sleeve	1 1/16"	7/32"	2 9/16"	2 5/8"	4M180	33.30
C		2750	1	115	0.89	CW	Impedance	Sleeve	1/2"	3/16"	1 1/8"	1 1/2"	4M212	33.35
	1/40	3200	1	115	3.98	CWLE	Auto	Ball	1 1/8"	7/32", 5/16"	3/4", 2"	2 5/8"	5M065	✓ 82.40
		3200	1	230	1.95	CWLE	Auto	Ball	1 1/8"	7/32", 5/16"	3/4", 2"	2 5/8"	5M066	✓ 90.80



ACME MIAMI

Shaded Pole C-Frame Motor Kits for Ventilation/Refrigeration

- Enclosure: open air-over
 - Max. ambient: 40°C
 - Duty: continuous air-over
- UL Recognized and CSA Certified.

A. No. 4M249—Replaces many OEM motors, GEM EM-240 Series, MARS #90999, SUPCO #SM-999, and Acme-Miami AM-4240 Series C-frame with 3" overall height.

B. No. 3HEH2—Includes 6" and 5 $\frac{1}{16}$ " dia. fan blades.

C. No. 4M987—Replaces 3.3", 3.5", and 4" dia. motors.

D. No. 3LC32—OEM replacement for evaporator fan motor in Choice brand vending machines and many others.

▪ Mounting: front-mount studs, 1 $\frac{1}{8}$ " OC

E. No. 3HEH1—Included mounting clips duplicate OEM mounts. Contains 4", 5 $\frac{1}{2}$ ", and 5 $\frac{1}{16}$ " dia. fan blades, and mounting hardware.

F. No. 16U069—OEM replacement for evaporator fan motor in Delfield, Peerless, and Traulsen evaporators.

Key	HP	Includes	Nameplate RPM	Rotation	Thermal Protection	Voltage	Full Load Amps	Bearings	Shaft Dia.	Shaft Length	Mfr. Model	Item No.	\$ Each
A	1/200	2" Long Break-Off Shaft, Adapters, Brackets, Mounting Hardware and Instructions	3000	CW/CCW	Impedance	115	0.26	Sleeve	1/8"	2 1/2"	—	4M249	47.25
B	1/45	Hardware and Shaft Adapters to Fit 1/4 and 5 $\frac{1}{16}$ " Bores and Hubless Blades	3000	CW/CCW	Auto	115/230	1.1/0.55	Sleeve	3/16"	1 5/16"	—	3HEH2	✓ 65.30
C	1/35	Hub Adapter, H-brackets, Screws, Washers and Wire Nuts	3000	CW/CCW	Impedance	115	0.35	Sleeve	3/16"	1 3/8"	—	4M987	29.05
D	1/25	2 Double Male Electrical Terminals and 4" Dia. Fan Blade	3000	CCW	Impedance	115	0.3	Sleeve	3/16"	1 1/2"	—	3LC32	40.15
E	1/50	(2) H-Brackets, (4) Bushings and (3) Fan Blades	3000	CW/CCW	Impedance	115	0.35	Ball	1/4"	1 3/8"	—	3HEH1	✓ 56.25
Acme-Miami													
F	1/55	Mounting Blocks and (3) Fan Blades (5, 5 $\frac{1}{2}$ and 6" Diameter)	3000	CW/CCW	Auto	115/230	0.91/0.45	Sleeve	3/16"	7/8"	7472	16U069	✓ 59.00

Unit Bearing Motors

- Type: shaded pole
- Nameplate RPM: 1550
- Enclosure: totally enclosed air-over
- Service factor: 1.0
- 60/50 Hz

Use with commercial and industrial HVAC and refrigeration equipment, and other applications with 6" to 12" fan blades. Dayton® models have oil circulation system to help extend the life of motor and bearings, and allow for vertical application. Century® models include 4 mounting screws, speed nut, and vibration-dampening hub washer.



Rear and Foot Mounting

Rear and Double Foot Mounting

Output Watts	HP	Voltage	Full Load Amps	Thermal Protection	Insulation Class	Max. Ambient Temp.	Body Dia.	Shaft Length	Length Less Shaft	Brand	CLOCKWISE FACING LEAD END	COUNTERCLOCKWISE FACING LEAD END
											Item No.	\$ Each
Aluminum Housing												
2	1/30	115	0.25	Impedance	A	40°C	3 1/2"	1/2"	2 5/8"	Dayton	4YFH5	32.30
2.3	1/30	115	0.25	Impedance	A	40°C	3 1/2"	1/2"	3 3/8"	Dayton	4YFG5	31.05
4	1/45	115	0.34	Impedance	A	40°C	3 1/2"	1/2"	3 3/8"	Dayton	4YFJ2	33.25
4	1/45	230	0.17	Impedance	A	40°C	3 1/2"	1/2"	3 3/8"	Dayton	4YFJ4	34.90
6	1/25	115	0.42	Impedance	A	40°C	3 1/2"	1/2"	3 13/16"	Dayton	4YFJ6	35.75
9	1/63	115	0.62	Auto	A	40°C	3 1/2"	1/2"	3 13/16"	Dayton	4YFJ7	32.40
9	1/63	230	0.33	Auto	A	40°C	3 1/2"	1/2"	3 13/16"	Dayton	4YFJ9	43.90
16	1/47	115	1.10	Auto	A	40°C	3 1/2"	1/2"	4 9/32"	Dayton	4YFK4	✓ 48.95
16	1/47	230	0.60	Auto	A	40°C	3 1/2"	1/2"	4 9/32"	Dayton	4YFK6	✓ 56.65
Rear and Double Foot Mounting												
5	1/50	115	0.34	Impedance	A	40°C	3 1/2"	1/2"	2 5/8"	Dayton	4YFF7	36.40
6	1/25	115	0.42	Impedance	A	40°C	3 1/2"	1/2"	2 5/8"	Dayton	4YFF9	38.75
9	1/63	115	0.62	Auto	A	40°C	3 1/2"	1/2"	2 5/8"	Dayton	4YFG2	39.20
9	1/63	230	0.33	Auto	A	40°C	3 1/2"	1/2"	2 5/8"	Dayton	4YFG4	43.45
Cast-Iron Housing												
2.5	1/60	115	0.25	Impedance	A	40°C	3 1/2"	1/2"	3 3/8"	Dayton	4YFH6	38.70
4	1/45	115	0.34	Impedance	A	40°C	3 1/2"	1/2"	3 3/8"	Dayton	4YFG8	37.65
4	1/45	230	0.17	Impedance	A	40°C	3 1/2"	1/2"	3 3/8"	Dayton	4YFK2	38.05
6	1/25	115	0.42	Impedance	A	40°C	3 1/2"	1/2"	3 13/16"	Dayton	4YFG7	42.20
9	1/63	115	0.62	Auto	A	40°C	3 1/2"	1/2"	3 13/16"	Dayton	4YFH3	41.50
9	1/63	230	0.33	Auto	A	40°C	3 1/2"	1/2"	3 13/16"	Dayton	4YFH4	✓ 46.45
16	1/47	115	1.10	Auto	A	40°C	3 1/2"	1/2"	4 1/16"	Dayton	4YFH7	✓ 54.95
16	1/47	230	0.60	Auto	A	40°C	3 1/2"	1/2"	4 1/16"	Dayton	4YFH8	✓ 56.65
Rear and Double Foot Mounting												
2	1/30	115	0.22	Impedance	B	50°C	3 1/2"	7/16"	2 7/8"	Century	6JHT5	33.80
4	1/45	115	0.29	Impedance	B	50°C	3 1/2"	7/16"	2 7/8"	Century	6JHT6	38.00
4	1/45	230	0.15	Impedance	B	50°C	3 1/2"	7/16"	2 7/8"	Century	6JHT8	41.05
5	1/50	115	0.34	Impedance	B	50°C	3 1/2"	7/16"	2 7/8"	Century	6JHU0	41.90
6	1/25	115	0.4	Impedance	B	50°C	3 1/2"	7/16"	3"	Century	6JHU1	41.95
9	1/63	230	0.27	Impedance	B	50°C	3 1/2"	7/16"	3"	Century	6JHU5	✓ 46.85
9	1/63	115	0.55	Impedance	B	50°C	3 1/2"	7/16"	3"	Century	6JHU3	42.00
16	1/50	230	0.5	Impedance	B	50°C	3 1/2"	7/16"	3 1/8"	Century	6JHU9	✓ 59.70
16	1/50	115	1.0	Impedance	B	50°C	3 1/2"	7/16"	3 1/8"	Century	6JHU7	✓ 56.60

Kryo™ SSC Unit Bearing Motors

- Type: ECM
- Nameplate RPM: 1550
- Enclosure: totally enclosed air-over
- Service factor: 1.0

- Thermal protection: electronic
- Rotation: CWLE
- 60 Hz

For use in commercial refrigeration evaporator fan applications and in most applications requiring high efficiency and output ratings between 4 and 25W. Aluminum housing. RoHS compliant

morrillmotors®

No.
39D810



Output Watts	Voltage	Full Load Amps	Insulation Class	Max. Ambient Temp.	Body Dia.	Shaft Length	Length Less Shaft	Item No.	\$ Each
Band Mounting									
4 to 12	115	0.30	B	55°C	3 1/2"	3/8"	3 1/8"	39D814	126.60
Rear and Double Foot Mounting									
4 to 12	115	0.30	B	55°C	3 1/2"	3/8"	3 1/4"	39D810	100.90
4 to 12	115	0.30	B	55°C	3 1/2"	3/8"	3 1/4"	39D815	99.95
4 to 12	208-230	0.15	B	55°C	3 1/2"	3/8"	3 1/4"	39D811	116.65
4 to 16	115	0.40	B	55°C	3 1/2"	3/8"	3 1/4"	39D812	116.45
9 to 25	115	0.60	B	55°C	3 1/2"	3/8"	3 1/4"	39D813	119.00



No. 22F149



Mounting Brackets For Unit-Bearing Motors

Bracket mounting holes are 6" x 5/8" O.C.
Motor mounting holes are 1 1/8" x 5/8" O.C.



Unit Bearing Motor Bracket

Adjustable for motor shaft height 4 1/8" to 5 3/8"; includes 2 studs and bracket.



Item No. 4UE27 \$ 27.60

Unit Bearing Cords

Power cords are 25'L. UL Recognized.



Description	Mfr. Model	Item No.	\$ Each
Cordset, 90°	22F148	22F148	18.18
Cordset, Straight	22F149	22F149	18.18

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

59



No.
SUNW6



No. 6GKV6

ECM Direct Drive Unit Bearing Fan Motors

- Body dia.: 3 1/3"
- Enclosure: totally enclosed air-over
- Mounting: rear and double foot
- Insulation: Class B
- Max. ambient: 55°C
- Thermal protection: electronic
- Wiring configuration: 2-prong plug

Suitable for condenser and evaporator fans, walk-in coolers and freezers, ice machines, beverage merchandisers, and vending machines. Threaded 1/4-20 shaft. Aluminum frame. UL Recognized.

Output Watts Unit Bearing Fan Motors	HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Orientation	Length Less Shaft	Rotation	Item No.	\$ Each
12	1/60	1550	115	0.3	Up, Down or Horizontal	3 1/4"	CWLE	SPGH0 ✓	101.40
12	1/60	1550	115	0.3	Up, Down or Horizontal	3 1/4"	CWLE	SUNW6 ✓	87.20
12	1/60	1550	230	0.15	Up, Down or Horizontal	3 1/4"	CWLE	SUNW9 ✓	101.40
16	1/50	1550	115	0.4	Up, Down or Horizontal	3 1/4"	CWLE	SUNX0 ✓	101.40
25	1/50	1550	115	0.6	Up, Down or Horizontal	3 1/4"	CWLE	SUNX1 ✓	103.55
38	1/20	1550	115	0.9	Up, Down or Horizontal	3 1/4"	CCWLE	SUNW7 ✓	106.85
38	1/20	1550	115	0.9	Up, Down or Horizontal	3 1/4"	CCWLE	SUNX2 ✓	106.10
38	1/20	1550	230	0.45	Up, Down or Horizontal	3 1/4"	CCWLE	SUNW8 ✓	114.45
38	1/20	1550	230	0.45	Up, Down or Horizontal	3 1/4"	CCWLE	SUNX3 ✗✓	125.35
Unit Bearing Fan Kits									
12	1/60	1550	115	0.3	All Angle	3 1/4"	CWLE	6GKV6 ✓	114.45
12	1/60	1550	115	0.3	All Angle	3 1/4"	CWLE	46N474	141.90
16	1/60	1550	115	0.4	All Angle	3 1/4"	CWLE	46N476	158.00
16	1/60	1450	115	0.4	All Angle	3 1/4"	CWLE	46N475	129.30

Accessory

Cord Set, For Use With Mfr. No. 5SME59BLA1036, 5SME59BLA1038, 5SME59BLA2037, 5SME59BLA2039, 5SME59BLA1058, 5SME59BLA1060, 5SME59BLA2059, 5SME59BLA2061, 5SME59BLA1079, 5SME59BLA2080

6HJU9

11.80

* For replacement in Hussman/Krack units.



No.
5ULC8

ECM Direct-Drive Unit Bearing Fan Motors

- Body dia.: 3 1/2"
- Enclosure: totally enclosed air-over
- Mounting: rear and double foot
- Insulation: Class A
- Max. ambient: 40°C
- Thermal protection: auto
- Wiring configuration: 2-prong plug

Suitable for condenser and evaporator fans, walk-in coolers and freezers, ice machines, beverage merchandisers, and vending machines. Threaded 1/4-20 shaft. Cast-iron frame. Include speed nut and mounting screws. UL Recognized.

Output Watts	HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Orientation	Length Less Shaft	Rotation	Item No.	\$ Each
14 to 16	1/60	1550	115	0.58	Horizontal or Up	3 3/4"	CWLE	5ULC9 ✓	167.75
6 to 12	1/60	1550	115	0.3	Horizontal or Up	3 3/4"	CWLE	5ULC8 ✓	141.65



No.
2MY41

Unit Bearing Motors

- Mounting: horizontal
- Max. ambient: 40°C
- Type: shaded pole
- Service factor: 1.0
- Duty: continuous, air-over
- Original OEM replacement motor

Feature precision-machined housing with positive-flow lubrication and a preoiled felt wick for extended use with no reoil. #8 mounting holes, 2 15/16" OC. 1/4-20 threaded shafts, except Nos. 4M159 and 4M160 have 3/8" dia. No. 2MY41 has 9/16" dia., and motor leads and shaft exit the same side of housing. For use in commercial and industrial HVAC and refrigeration equipment, and other applications with 6" to 12" fan blades. UL Recognized and CSA Certified.

Output Watts	HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Body Dia.	Shaft Length	Length Less Shaft	Thermal Protection	Insulation Class	Mfr. Model	Item No.	\$ Each
50	1/15	1500	CCWLE	208-230	0.77 to 0.85	3 7/8"	1 1/2"	3 3/4"	Auto	A	ESP-OL50EMJR21	2MY41 ✓	120.30
Rear and Double Foot Mounting, Open Air-Over Enclosure													
5	1/150	1550	CWLE	115	0.4	3 1/8"	5/8"	2 1/2"	Impedance	B	SPFBC51	5YJN8 ✓	43.05
9	1/65	1550	CWLE	115	0.6	3 1/8"	5/8"	2 1/2"	Impedance	B	SPFBE91H	5YJN9 ✓	48.10
16	1/47	1500	CWLE	115	0.8	3 1/8"	5/8"	2 1/2"	Auto	A	ESP-L16EM1	4M153 ✓	90.40
16	1/47	1500	CWLE	230	0.4	3 1/8"	5/8"	3 1/2"	Auto	A	ESP-L16EM2	4M154 ✓	105.80
25	1/30	1500	CWLE	115	1.1	3 1/8"	5/8"	3 1/2"	Auto	A	ESP-L25EM1	4M155 ✓	107.25
25	1/30	1500	CWLE	230	0.6	3 1/8"	5/8"	3 1/2"	Auto	A	ESP-L25EM2	4M156 ✓	119.50
35	1/20	1500	CWLE	115	1.4	3 1/8"	5/8"	3 1/2"	Auto	A	ESP-L35EM1	4M157 ✓	106.90
35	1/20	1500	CWLE	230	0.7	3 1/8"	5/8"	3 1/2"	Auto	A	ESP-L35EM2	4M158 ✓	113.60
Rear and Double Foot Mounting, Open Air-Over Enclosure													
50	1/15	1500	CWLE	115	1.7	3 1/8"	1 1/2"	3 3/4"	Auto	A	ESP-OL50EM1	4M159 ✗✓	116.55
50	1/15	1500	CWLE	208-230	1.1 to 1.2	3 1/8"	1 1/2"	3 3/4"	Auto	A	ESP-OL60EM2	4M160 ✗✓	107.10

† 3/8" x 1 1/2" shaft with 1" flat.



No.
4VA35

4"-Dia. Direct-Drive Fan Motors

- Enclosure: open air-over
- Mounting: all-angle
- Insulation: Class B
- Max. ambient: 40°C
- Thermal protection: auto
- Type: shaded pole
- Service factor: 1.0
- Duty: continuous air-over
- Bearings: sleeve

Replacement for GE 11 series. Feature ring/hole mounting with resilient ring and four #8-32 holes on a 2 1/8" bolt circle for shaft-end mounting. 1 1/8" resilient rings (No. 4VA45 is hole-mount only). Units are 60 Hz except No. 4VA47 is 60/50 Hz. UL Recognized and CSA Certified.

Output Watts	HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Ring to Ring Center	Mfr. Model	Item No.	\$ Each
18	1/40	1550	CWLE/CWSE	115	1.2	5/16"	1 1/4"	4 15/16"	4 1/4"	9657	4VA39 ✓	203.75
18	1/40	1550	CCWLE/CCWSE	115	1.2	5/16"	1 1/4"	4 15/16"	4 1/2"	9656	4VA38 ✓	203.75
18	1/40	1550	CWLE/CWSE	208-230	0.6	5/16"	1 1/4"	4 15/16"	4 1/2"	9659	4VA41 ✓	206.75
18	1/40	1550	CCWLE/CCWSE	208-230	0.6	5/16"	1 1/4"	4 15/16"	4 1/2"	9658	4VA40 ✓	206.75
25	1/30	1550	CWSE	115	1.6	5/16"	1 1/4"	5"	4 5/8"	9653	4VA35 ✓	220.50
25	1/30	1550	CWLE/CWSE	208-230	0.8	5/16"	1 1/4"	5"	4 5/8"	9655	4VA37 ✗	226.25
25	1/30	1550	CCWLE/CCWSE	208-230	0.8	5/16"	1 1/4"	5"	4 5/8"	9654	4VA36 ✗	226.25
35	1/20	1550	CWLE/CWSE	115	2.0	5/16"	2"	5 1/8"	4 3/4"	9661	4VA43 ✓	252.25
35	1/20	1550	CCWLE/CCWSE	115	2.0	5/16"	2"	5 1/8"	4 3/4"	9660	4VA42 ✓	251.75
35	1/20	1550	CWLE/CWSE	208-230	1.0	5/16"	2"	5 1/8"	4 3/4"	9662	4VA44 ✓	256.50
35	1/20	1550	CCWLE/CCWSE	208-230	1.0	5/16"	2"	5 1/8"	4 3/4"	9663	4VA45 ✓	286.75
35	1/20	1550	CWLE/CWSE	208-230	1.0	5/16"	2"	5 1/8"	4 3/4"	9664	4VA46 ✓	234.25
50	1/15	1550	CWLE/CCWSE	208-230	1.1 to 1	5/16"	1 1/4"	5 1/8"	4 3/4"	9665	4VA47 ✓	261.25



Formerly A.O. Smith Industrial Products Company
A RegalBee Company



3.3"-Dia. Shaded Pole Motors

- Service factor: 1.0
- Max. ambient: 40°C
- Thermal protection: auto, except impedance on No. 4M199

- Bearings: sleeve
- Duty: continuous

For OEM and replacement use in air-over fan and blower applications such as bathroom fans and range hoods. UL Recognized and CSA Certified.

Key	HP	Nameplate RPM	No. of Speeds	Rotation	Voltage	Full Load Amps	Mounting	Stud/Base Mtg. Pattern	Stud Location‡	Shaft Dia.	Shaft Length	Length Less Shaft	Footnotes	Item No.	\$ Each	
Open Air-Over																
A	1/40	1550	1	CW	115	1	Stud	2 1/8"	2/BE	5/16"	2"	4 3/4"	—	3M562 ✓	64.90	
		1550	1	CCW	115	1	Stud	2 1/8"	2/BE	5/16"	2"	4 3/4"	—	3M563 ✓	74.10	
B	1/70	1550	1	CW	115	0.7	Stud	2 1/8"	2/BE	1/4"	2"	3 1/16"	—	3M560 ✓	66.05	
		3000	1	CW	115	0.6	Stud	2 1/8"	2/SE	1/4"	1 1/8"	4 3/4"	—	4M299 ✓	82.35	
C	1/25	3000	1	CCW	115	0.5	Flange	3 1/8"	—	1/4"	7/8"	2 1/16"	6.51	4M298 ✓	81.35	
	1/15	3000	1	CW	115	2.2	Stud	2 x 2"	SE	5/16"	2"	4 3/4"	—	3M548 ✓	64.40	
D	1/30	1550	1	CW	115	1.1	Stud	2 x 2"	SE	5/16"	2 1/16"	3 3/4"	9	3M546 ✓	59.50	
		1550	2	CW	115	1.2	Stud	2 x 2"	SE	5/16"	2"	3 1/16"	—	3M549 ✓	75.10	
E	1/40	1550	1	CCW	115	1.1	Stud	2 1/8"	2/BE	5/16"	2"	3 1/16"	—	3M543 ✓	52.15	
		3000	1	CW	115	0.9	Stud	2 1/8"	2/BE	1/4"	2 1/16"	2 1/16"	—	3M544 ✓	52.15	
F	1/50	1550	1	CW	115	0.9	Stud	2 1/8"	2/BE	1/4"	2"	3 1/16"	—	3M545 ✓	58.05	
		1550	1	CCW	115	0.8	Stud	2 x 2"	OSE	1/4"	2"	3 1/16"	—	3M542 ✓	55.70	
G	1/50	1550	1	CW/CCW	115	0.9	Stud	2 1/8"	2/BE	1/4"	2 1/16"	2 1/16"	26	4M193 ✓	60.35	
		3000	1	CW	115	1	Stud	2 1/8"	SE	1/4"	2"	3 1/16"	—	4M215 ✓	66.05	
H	1/50	1550	1	CW	115	0.7	Stud	2 1/8"	2/BE	1/4"	2 1/16"	2 1/16"	—	3M729 ✓	56.90	
		1550	1	CCW	115	0.7	Stud	2 1/8"	2/BE	1/4"	2 1/16"	2 1/16"	—	3M538 ✓	48.55	
I	1/70	1550	1	CCW	115	0.7	Stud	2 1/8"	2/BE	1/4"	2 1/16"	2 1/16"	—	3M539 ✓	48.55	
		1550	1	CW/CCW	115	0.7	Stud	2 1/8"	—	1/4"	2 1/16"	2 1/16"	—	4M214 ✓	62.35	
J	1/100	1550	1	CCW	115	0.7	Stud	2 1/8"	SE	1/4"	2"	2 1/16"	—	3M534 ✓	53.30	
		1550	1	CW	115	0.7	Stud	2 1/8"	SE	1/4"	2 1/16"	2 1/16"	—	3M535 ✓	50.45	
K	1/100	1550	1	CCW	115	0.7	Stud	2 1/8"	2/BE	1/4"	2 1/16"	2 1/16"	—	3M536 ✓	51.90	
		3000	1	CW	115	0.6	Stud	2 1/8"	2/BE	1/4"	2"	2 1/16"	—	3M537 ✓	54.20	
L	1/20	1550	1	CW	115	1.8	Stud	2 x 2"	SE	5/16"	2"	3 5/16"	51	3M778 ✓	80.20	
		3000	1	CW	115	1.9	Stud	2 1/8"	SE	1/4"	1"	3 5/16"	6.51	4M300 ✓	97.05	
M	1/30	3000	1	CW	230	0.6	Stud	2 1/8"	SE	5/16"	2 1/16"	3 1/16"	—	51	3M725 ✓	82.60
		3000	1	CWSE	115	1.2	Stud	2 1/8"	SE	5/16"	2 1/16"	3 1/16"	6.51	3M777 ✓	76.45	
N	1/50	1550	1	CW	115	1.1	Stud	2 1/8"	SE	5/16"	2"	3 1/16"	51	3M722 ✓	77.75	
		3000	1	CW	115	1.2	Stud	2 1/8"	2/BE	5/16"	2 1/16"	3 1/16"	18.51	3M724 ✓	93.25	
O	1/50	1550	1	CW	230	0.5	Stud	2 1/8"	SE	5/16"	2"	3 1/16"	51	3M728 ✓	72.60	
		1550	1	CCW	115	1.8	Stud	2 x 2"	4/BE	5/16"	2 1/16"	3 1/16"	18	3M083 ✓	78.95	
P	1/20	1550	1	CW	115	1.8	Stud	2 x 2"	4/BE	5/16"	2"	3 1/16"	—	3M547 ✓	64.30	
		3000	1	CCW	115	1	Stud	2 1/8"	2/BE	1/4"	2 1/16"	3"	18.51	3M730 ✓	64.80	
Q	1/25	1550	1	CW	115	1.8	Ring	2 1/8"	—	1/4"	2"	3 1/16"	3.18	4M195 ✓	79.10	
		1550	1	CCW	115	2.7	Lug	6 1/8" BC	—	5/16"	1 1/4"	3 1/16"	6	4M301 ✓	78.95	

‡ BE = Both Ends, SE = Shaft End, OSE = Opposite Shaft End.

Footnotes: 3—Has 8.5" cord set. 6—Has 60/50 Hz. 7—Includes cordset and plug. 9—Use with No. 3AY38, 16-3# 10-ft. SJ cord with SPDT feed-through switch (sold separately on page 508). 18—Double shaft motor. Rotation viewed facing lead end. 26—Has 8.5" cord set. 51—Has 5.0 cu.-in. junction box.

3.3"-Dia. Totally Enclosed Motors

- Enclosure: totally enclosed fan-cooled
- Body dia.: 4" (including fan shroud)
- Service factor: 1.0

- Insulation: Class B
- Max. ambient: 40°C
- Thermal protection: auto
- Shaft: 5/16" x 2"

Internal fan makes these motors suitable for mechanical-duty applications such as pumps, diaphragm compressors, laboratory equipment, and business machines. All-steel construction. Stators press-fit into sturdy steel sleeve. Bearings surrounded by Permagliss® lubrication. Suitable for OEM and replacement use in a wide variety of fan and blower applications. UL Recognized and CSA Certified.

Key	HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Bearings	Stud/Base Mtg. Pattern	Stud Location‡	Length Less Shaft	Item No.	\$ Each
Shaded Pole, Cradle-Mount											
A	1/15	1550	CW	115	2.5	Sleeve	3 3/4" x 2 1/8"	—	5 1/8"	3M364 ✓	129.40
Shaded Pole, Stud-Mount											
		1550	CW	230	1	Ball	2 x 2"	4/SE	4 1/2"	3M001 ✓	127.90
		1550	CCW	115	2	Ball	2 x 2"	4/SE	4 1/4"	3M290 ✓	131.30
B	1/20	1550	CW	115	2	Sleeve	2 x 2"	4/SE	4 3/8"	5K001 ✓	103.20
		1550	CW	230	1	Sleeve	2 x 2"	4/SE	4 3/8"	5K003 ✓	106.95
		1550	CW	115	2	Ball	2 x 2"	4/SE	4 1/4"	5K004 ✓	131.30
		3000	CW	115	2.2	Sleeve	2 x 2"	4/SE	5 1/8"	4M204 ✓	103.10
C	1/15	1550	CCW	115	2.5	Sleeve	2 1/8"	2/SE	4 3/8"	3M291 ✓	110.40
		1550	CW	115	2.5	Sleeve	2 x 2"	4/SE	4 3/8"	3M363 ✓	106.95
PSC, Stud-Mount											
C	1/8	3000	CW/CCW	115	1.8	Sleeve	2 x 2"	4/SE	5 1/8"	3M292 ✓	160.25
		3000	CW/CCW	230	0.8	Sleeve	—	4/SE	5 1/2"	4M090 ✓	174.75

* Also operable on 50 Hz at % of 60 Hz rated speed and HP. † Capacitor included. § SE = Shaft End.



A. No. 3M364



B. No. 5K001

C. No. 3M292

1-800-GRAINGER

MOTORS

3.3"-Dia. HVAC Motors



PSC, Open Ventilated



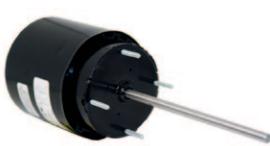
PSC, Totally Enclosed Fan-Cooled



PSC, Totally Enclosed Nonventilated



Shaded Pole, Open Ventilated



Shaded Pole, Totally Enclosed Fan-Cooled



Shaded Pole, Totally Enclosed Nonventilated

FASCO

AC MOTORS & BLOWERS

3.3"-Dia. HVAC Motors

- Service factor: 1.0
- Max. ambient: 40°C
- Thermal protection: auto for Nos. 38N553 to 38N574
- Duty: continuous air-over

Models are 1-phase and suitable for air-moving or mechanical applications, including fans, air conditioners, heaters, pumps, and compressors. PSC motors include capacitor. Stud base pattern is 2 $\frac{7}{8}$ " x 2 $\frac{7}{8}$ ", except No. 38N540 is 3 $\frac{7}{8}$ " x 3 $\frac{7}{8}$ ". UL Recognized and CSA Certified, except Nos. 38N528, 38N517, 38N552, 38N515, 38N516, 38N538, and 38N535 are UL Recognized only.

HP	Nameplate RPM	No. of Speeds	Rotation	Voltage	Full Load Amps	Bearings	Insulation Class	Mounting	Stud Location‡	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each
PSC, Open Ventilated															
1/2	1550	1	CWLE/CCWLE	115/230	1.1/0.6	Sleeve	B	Stud	4/BE	5/16"	3"	3 1/8"	D1127	38N557	90.95
1/10	1590	1	CWLE/CCWLE	230	1.0	Sleeve	B	Stud	4/BE	5/16"	3 3/4"	4 5/8"	D503	38N560	253.00
	3200	1	CWLE/CCWLE	208-230	0.8	Ball	B	Stud	4/BE	5/16"	3 1/4"	4 1/4"	D404	38N558	309.75
PSC, Totally Enclosed Fan-Cooled															
1/20	3200	1	CWLE/CCWLE	115	0.8	Ball	B	Stud	4/SE	5/16"	2 1/4"	4 3/8"	D218	38N524	253.00
1/8	3000	1	CWLE/CCWLE	115	1.8	Ball	B	Stud	4/SE	5/16"	2 1/4"	5 1/8"	D219	38N525	238.75
PSC, Totally Enclosed Nonventilated															
1/10	3200	1	CWLE/CCWLE	115	1.4	Ball	B	Stud	4/BE	5/16"	3 1/4"	4 1/4"	D405	38N559	309.75
Shaded Pole, Open Ventilated															
1/100-1/250	1540/1390	1	CWLE/CCWLE	115	0.6/0.4	Sleeve	B	Welded Bolt	None	5/16"	1"	3 7/8"	D1162	38N528	156.50
1/15-1/20	1600	2	CCWLE	115	2.9/2.0	Sleeve	B	Bracket	None	5/16"	2"	4 1/4"	D1161	38N556	145.30
1/15-1/30	1500	2	CWLE	115	2.4/1.4	Ball	A	Stud	4/SE	5/16"	2 1/2"	3"	D1118	38N540	99.00
1/200	1550	1	—	115	0.5	Sleeve	B	Band	—	—	—	3 1/8"	D1130	38N517	143.15
1/15	600	1	CCWLE	208-240	0.5	Sleeve	B	Stud	4/OSE	5/16"	5/16"	2 5/8"	D107	38N526	71.10
1/100	3000	1	CCWLE	120	0.6	Sleeve	B	Stud	4/BE	1/4"	3 1/2"	2 7/16"	D229	38N529	79.30
1/25-1/200	1500	2	CCWLE	115	0.5/0.3	Sleeve	B	Stud	4/BE	1/4"	3 1/4"	2 3/16"	D129	38N527	134.20
	1500/1200	1	CCWLE	230	0.9	Sleeve	B	Stud	4/BE	5/16"	2 1/4"	3 1/8"	D636	38N547	139.30
	1550	1	CWLE	115	1.8	Sleeve	B	Stud	4/BE	5/16"	1 7/8"	3"	D364	38N545	113.55
1/25	1550	2	CWLE	115	1.5	Sleeve	B	Stud	4/BE	5/16"	2"	3 1/4"	D332	38N549	180.75
	1550/1300	1	CWLE	115	2.0	Sleeve	B	Stud	4/BE	5/16"	1 1/8"	2 1/8"	D365	38N546	113.55
	3000	1	CWLE	230	.65	Sleeve	B	Stud	4/BE	1/4"	2 1/4"	3 1/4"	D216	38N548	113.55
	1500	1	CWLE	230	0.9	Sleeve	B	Stud	4/BE	5/16"	2 1/4"	2 7/8"	D188	38N550	68.25
1/20	1500	1	CWLE	230	0.9	Sleeve	B	Stud	4/BE	5/16"	2 1/4"	2 7/8"	D189	38N551	68.25
	1550	1	CWLE	460	0.5	Sleeve	B	Stud	4/BE	5/16"	2 1/4"	2 3/4"	D186	38N552	129.10
1/16	3000	1	CWLE	115	2.1	Sleeve	B	Stud	2/BE	1/4"	2 3/4"	3 7/8"	D213	38N553	108.35
1/15	1600	1	CWLE	120	2.0	Sleeve	B	Stud	2/SE	5/16"	3"	3"	D109	38N555	81.10
	3000	1	CWLE	230	1.05	Sleeve	A	Stud	2/BE	1/4"	2 1/2"	3 13/16"	D211	38N554	108.40
1/40-1/50-1/80	1500	3	CCWLE	115	1.3/0.9/0.7	Sleeve	B	Stud	4/BE	5/16"	4"	2 1/8"	D128	38N537	108.35
1/90	1300/1500	1	CCWLE	240	0.4	Sleeve	B	Stud	4/BE	1/4"	1 1/8"	2 1/2"	D1119	38N530	76.65
	3000	1	CWLE	115	0.62	Sleeve	A	Stud	2/OLE	1/4"	2 3/8"	2"	D200	38N515	67.10
1/85	3000	1	CCWLE	115	0.62	Sleeve	A	Stud	2/OLE	1/4"	1/4"	2 1/4"	D201	38N516	68.25
	3000	1	CWLE	115	0.62	Sleeve	A	Stud	4/BE	1/4"	2 1/4"	2 3/8"	D202	38N531	73.55
1/60	2500/3000	1	CWLE	230	0.64/0.53	Sleeve	B	Stud	4/BE	1/4"	1 5/16"	3 3/4"	D608	38N518	98.05
	3000	1	CWLE	115	0.92	Sleeve	B	Stud	4/BE	1/4"	2"	2 1/8"	D228	38N532	73.50
1/41	1550	1	CCWLE	115	1.0	Sleeve	B	Stud	2/OSE	1/4"	1 1/8"	2 3/16"	D105	38N538	74.60
1/40	1500/1250	1	CWLE	230	0.6/0.7	Sleeve	B	Stud	4/BE	1/4"	2 1/4"	2 1/8"	D190	38N536	108.35
	1550	1	CWLE	115	1.0	Sleeve	B	Stud	2/OSE	1/4"	1 1/8"	2 1/8"	D106	38N535	74.60
	1500	1	CWLE	115	1.3	Sleeve	B	Stud	4/BE	5/16"	2"	3 3/16"	D136	38N539	134.20
1/30	1500	2	CCWLE	115	1.3/1.0	Sleeve	B	Stud	4/BE	5/16"	2 1/4"	2 5/8"	D181	38N543	95.40
	1550	1	CCWLE	115	1.3	Sleeve	B	Stud	4/BE	5/16"	2 1/4"	2 5/8"	D515	38N541	87.75
	3000	1	CCWLE	115	1.12	Sleeve	A	Stud	4/BE	1/4"	3 1/4"	3 5/8"	D209	38N519	92.90
1/30-1/25	1550	2	CWLE	115	1.12	Sleeve	A	Stud	4/BE	1/4"	3"	3 5/8"	D208	38N520	92.90
1/50-1/65-1/80	1500	3	CWLE	120	1.1/0.8/0.6	Sleeve	B	Stud	4/BE	5/16"	1 1/8"	2 13/16"	D532	38N542	134.20
1/50-1/65-1/80	1500	3	CWLE	115	1.4/0.9	Sleeve	B	Stud	4/BE	1/4"	1 3/4"	2 5/16"	D1134	38N533	98.05
Shaded Pole, Totally Enclosed Fan-Cooled															
	3000	1	CWLE	115/230	1.7	Sleeve	A	Stud	4/SE	5/16"	6 1/2"	4 5/8"	D214	38N521	165.25
1/20	3000	1	CCWLE	115/230	1.7	Ball	A	Stud	4/SE	5/16"	6 1/2"	4 5/8"	D215	38N522	180.75
	3000	1	CWLE	115/230	1.7	Ball	A	Stud	4/SE	5/16"	6 1/2"	4 5/8"	D220	38N523	180.75
Shaded Pole, Totally Enclosed Nonventilated															
1/20-1/65	1500	2	CCWLE	115	1.0/0.7	Sleeve	B	Stud	4/BE	5/16"	3"	3 3/16"	D137	38N573	134.20
1/35-1/110	1500	2	CWLE	115	1.5/0.5	Sleeve	B	Stud	2/OSE	1/4"	1"	2 13/16"	D534	38N572	104.20
1/80	1500	1	CCWLE	115	0.6	Sleeve	B	Stud	4/BE	1/4"	2 1/4"	2 5/8"	D122	38N561	62.20
	1500	1	CWLE	115	0.6	Sleeve	B	Stud	4/BE	1/4"	2 1/4"	2 5/8"	D123	38N562	62.75
1/60	3000	1	CWLE	115	0.75	Sleeve	A	Stud	4/BE	1/4"	1 1/8"	2 3/8"	D402	38N563	77.40
	3000	1	CCWLE	115	0.75	Sleeve	A	Stud	4/BE	1/4"	2 1/4"	2 11/16"	D403	38N564	77.40
	1500	1	CWLE	115	0.8	Sleeve	B	Stud	4/BE	1/4"	2 1/4"	2 5/8"	D124	38N566	62.75
1/50	1500	1	CCWLE	115	0.8	Sleeve	B	Stud	4/BE	1/4"	2 1/4"	2 5/8"	D125	38N567	62.75
	1500	1	CWLE	115	0.9	Sleeve	B	Stud	4/BE	1/4"	2 1/4"	2 5/8"	D601	38N568	67.55
1/50	1500/1250	1	CWLE	230	0.4	Sleeve	B	Stud	4/BE	1/4"	2 1/4"	2 5/8"	D602	38N569	67.55
	1550	3	CWLE	115	0.9	Sleeve	B	Stud	4/OLE	5/16"	2 1/2"	2 9/16"	D624	38N570	87.75
1/40	3000	1	CCWLE	115	1.0	Sleeve	A	Stud	4/BE	1/4"	3"	2 1/2"	D205	38N571	98.05
	1550	1	CWLE	115	1.2	Sleeve	B	Stud/Bracket	2/OSE	5/16"	1 1/8"	3"	D184	38N544	102.50
1/25	1550	1	CWLE	115/230	1.3/0.7	Sleeve	B	Stud	2/BE	5/16"	2 1/2"	3 1/8"	D1164	38N574	113.00

† BE = Both Ends; SE = Shaft End; OSE = Opposite Shaft End; OLE = Opposite Lead End.

Accessories available for 3.3"-dia. motors, see page 95.

3.3"-Dia. PSC Motors

- Service factor: 1.0
- Max. ambient: 40°C
- Thermal protection: auto
- Bearings: ball, except No. 3M499 has sleeve
- Duty: continuous air-over
- Mounting: stud/band
- Insulation class: B

Deliver higher performance, efficiency, and starting torque than standard 3.3" shaded pole motors. Quick-reversing plug. Studs on both endshields and longer shaft for replacing many OEM motors from Chandler, Climate Control, Heatcraft, Larkin, and others. UL Recognized and CSA Certified.

3-in-1™ HP—Replace 1/12, 1/15, and 1/20 HP PSC and low-efficient shaded pole motors.



No. 3RCX2



No. 2NFD1

HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Brand	Item No.	\$ Each
Open Air-Over										
1/20	3000	CW/CCW	115	0.63	5/16"	2 1/2"	3"	Dayton	GNZP6 ✓	72.75
	3000	CW/CCW	208-230	0.34-0.32	5/16"	2 1/2"	3"	Dayton	GNZR5 †✓	68.45
	1550	CW/CCW	115	0.8	5/16"	2 1/2"	3"	Dayton	3RCX2 ✓	86.00
	1550	CW/CCW	208-230	0.4-0.38	5/16"	2 1/2"	3"	Dayton	3RCX8 †✓	85.05
	3000	CW/CCW	115	0.9	5/16"	2 1/2"	3 1/4"	Dayton	GNZP7 ✓	76.35
1/15	3000	CW/CCW	208-230	0.41-0.36	5/16"	2 1/2"	3 1/4"	Dayton	GNZR0 †✓	75.20
	1625	CW	115	1.2	5/16"	2"	5 3/16"	Dayton	3M499 *✓	120.60
	1550	CW/CCW	115	1.0	5/16"	2 1/2"	3 1/4"	Dayton	3RCX3 ✓	94.10
	1550	CW/CCW	208-230	0.5-0.46	5/16"	2 1/2"	3 1/4"	Dayton	3RCX9 †✓	98.20
1/10	3000	CW/CCW	115	1.2	5/16"	2 1/2"	3 1/2"	Dayton	GNZP8 ✓	86.25
	3000	CW/CCW	208-230	0.63-0.56	5/16"	2 1/2"	3 1/2"	Dayton	GNZR1 †✓	76.85
	1550	CW/CCW	115	1.4	5/16"	2 1/2"	3 1/2"	Dayton	3RCX4 ✓	112.75
	1550	CW/CCW	208-230	0.7-0.65	5/16"	2 1/2"	3 1/2"	Dayton	3RCY1 †	115.50
3-in-1™ HP										
1/12	3000	CW/CCW	115/208-230	0.95/0.55-0.50	5/16"	3 1/8"	3 5/8"	Dayton	GNZP9 †✓	83.70
	1550	CW/CCW	115/208-230	1.1/0.5	5/16"	3 1/8"	4 1/8"	Century	2NFD1 †✓	149.70
	1550	CW/CCW	115/208-230	1.1/0.65-0.6	5/16"	3 1/8"	3 1/2"	Century	3RCY5 †✓	137.40
Totally Enclosed Air-Over										
1/20	3000	CW/CCW	115	0.65	5/16"	2 1/2"	3"	Dayton	GNZR2 ✓	74.40
	3000	CW/CCW	208-230	0.32-0.29	5/16"	2 1/2"	3"	Dayton	GNZR8 †✓	75.25
	1550	CW/CCW	115	0.7	5/16"	2 1/2"	3"	Dayton	3RCX5 ✓	94.70
	1550	CW/CCW	208-230	0.37-0.33	5/16"	2 1/2"	3"	Dayton	3RCY2 ✓	87.30
1/15	3000	CW/CCW	115	0.8	5/16"	2 1/2"	3 1/4"	Dayton	GNZR3 ✓	80.40
	3000	CW/CCW	208-230	0.40-0.38	5/16"	2 1/2"	3 1/4"	Dayton	GNZR6 †✓	79.25
	1550	CW/CCW	115	0.9	5/16"	2 1/2"	3 1/4"	Dayton	3RCX6 ✓	107.45
	1550	CW/CCW	208-230	0.5-0.45	5/16"	2 1/2"	3 1/4"	Dayton	3RCY3 ✓	107.50
1/10	3000	CW/CCW	115	1.2	5/16"	2 1/2"	3 1/2"	Dayton	GNZR4 ✓	63.15
	3000	CW/CCW	208-230	0.62-0.56	5/16"	2 1/2"	3 1/2"	Dayton	GNZR7 †✓	89.40
	1550	CW/CCW	115	1.3	5/16"	2 1/2"	3 1/2"	Dayton	3RCX7 ✓	116.15
	1550	CW/CCW	208-230	0.7-0.65	5/16"	2 1/2"	3 1/2"	Dayton	3RCY4 ✓	121.85

* Requires capacitor No. 2MDV3. † 60/50 Hz.

Arktic 59 Series 3.3" ECM Direct-Drive Blower Motors

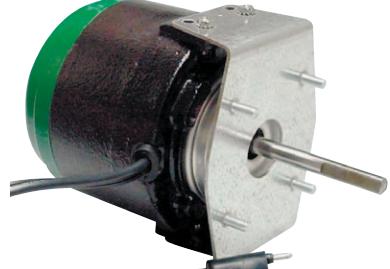
- Enclosure: totally enclosed air-over
- Mounting: stud
- Insulation: Class B
- Max. ambient: 55°C
- Thermal protection: electronic
- Bearings: shielded ball, except 1/15 HP motors have ball
- Shaft orientation: all-angle
- Wiring configuration: 2-prong plug

Feature higher efficiency than standard induction motors for greater energy savings. Can maintain the rated rpm ($\pm 6\%$) independent of static pressure for better air distribution through the refrigeration area. Can be used for replacing shaded pole, PSC, and ECM motors. Suitable for condenser and evaporator fan motors used in beverage merchandisers, display cases, freezers, ice machines, vending machines, and walk-in coolers. UL Recognized.

No. 12V776



No. 5ULD0



4.25" ECM Direct-Drive Blower Motors

- Enclosure: totally enclosed air-over
- Mounting: stud
- Insulation: Class B
- Max. ambient: 40°C
- Thermal protection: auto
- Bearings: unit
- Shaft orientation: all-angle
- Wiring configuration: 2-prong plug
- Full load amps: 1.0

Motors feature higher efficiency than standard induction motors for greater energy savings. Can maintain the rated rpm ($\pm 6\%$) independent of static pressure for better air distribution through the refrigeration area. Motors can be used for replacing shaded pole, PSC, and ECM motors. Suitable for condenser and evaporator fan motors used in display cases, ice machines, beverage merchandisers, vending machines, walk-in coolers, and freezers. UL Recognized.

Voltage	Full Load Amps	Overall Length	Shaft Length	COUNTER CLOCKWISE LEAD END		CLOCKWISE LEAD END	
				Item No.	\$ Each	Item No.	\$ Each
1/20 HP, 1550/500 RPM							
115	0.9	5 1/2"	2 5/8"	12V781 ✓	122.55	—	—
115	0.9	5 1/2"	1 3/4"	—	—	12V780 ✓	122.55
208-230	0.45	5 1/2"	2 5/8"	12V783 ✓	126.85	—	—
1/20 HP, 1550 RPM							
115	0.9	5 1/2"	2 5/8"	12V777 ✓	116.40	12V776 ✓	113.20
208-230	0.45	5 1/2"	2 5/8"	12V779 ✓	123.15	12V778 ✓	117.50
1/15 HP, 1550 RPM							
115	1.1	6"	2 5/8"	25TU27 †✓	203.50	25TU26 ✓	205.00
115	1.1	4 1/4"	1"	—	—	25TU28 *†✓	203.50
208/230	0.6	6 1/4"	2 5/8"	25TU29 *✓	199.25	25TU30 *✓	199.25
208/230	0.6	4 1/4"	1"	—	—	25TU33 *✓	205.00

Accessories

Motor Mounting Bracket, For Use With 25TU28, 25TU33 6PTP8 4.66

22" Cordset, For Use With Arctic 59 Motors 6MGGO 13.19

* Front and rear mounting. † Front mounting only.

Voltage	Rotation	Overall Length	Shaft Dia.	Shaft Length	Item No.	\$ Each
1/20 HP, 1550 RPM						
115	CCWLE	7"	5/16"	2 5/8"	5ULD1 ✓	190.00
230	CCWLE	7"	5/16"	2 5/8"	5ULD2 ✓	200.50
115	CWLE	7"	5/16"	2 5/8"	5ULD0 ✓	193.50
230	CWLE	7"	5/16"	2 5/8"	5ULD2 ✓	200.50

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER
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MOTORS

4.4"-Dia. Fan Motors



Dayton®

4.4"-Dia. Shaded-Pole Fan Motors

- Service factor: 1.0
- Insulation: Class B
- Max. ambient: 40°C
- Thermal protection: auto
- Bearings: sleeve, except No. 4M222 has ball
- Duty: continuous air-over
- No. 4M222 body dia. is 5"

Motor shell is sturdy steel construction with an open lamination design. Can be used as new or replacement motors in a wide range of small fan and blower applications. UL Recognized and CSA Certified.

Key	HP	Nameplate RPM	No. of Speeds	Rotation	Voltage	Full Load Amps	Mounting	Stud/Base Mtg. Pattern	Shaft Dia.	Shaft Length	Length Less Shaft	Item No.	\$ Each
Open Air-Over													
B	1/16	1550	1	CW	115	2.5	Stud	2 3/4 x 2 3/4"	3/8"	2"	4 5/16"	3M573	✓ 103.75
B	1/10	1550	1	CW	115	3.3	Stud	2 3/4 x 2 3/4"	3/8"	2"	5 3/16"	3M576	*✓ 123.05
C	1/10	1550	1	CW	115	3.3	Cradle	2 7/16 x 3 15/16"	3/8"	2"	5 1/4"	3M580	✓ 161.00
B	1/10	1550	2	CW	115	3.3	Stud	2 3/4 x 2 3/4"	3/8"	2"	4 1/2"	3M779	*✓ 158.75
C	1/16	1550	1	CW	115	2.4	Cradle	1 15/16 x 3 15/16"	3/8"	2"	4 5/8"	3M577	✓ 133.75
C	1/16	1550	1	CW	230	1.2	Cradle	1 15/16 x 3 15/16"	3/8"	2"	4 5/8"	3M578	✓ 133.75
D	1/10	1550	1	CW	115	3.3	Stud	2 3/4 x 2 3/4"	3/8"	2"	4 7/16"	3M059	✓ 117.65
D	1/10	1550	1	CW	115	2.8	Stud	2 3/4 x 2 3/4"	3/8"	2"	4 7/16"	3M574	✓ 116.25
D	1/11	1550	3	CCW	115	3	Stud	2 3/4 x 2 3/4"	1/2"	2 5/8"	3 3/4"	4M222	✓ 183.75
D	1/16	1550	1	CW	115	2.5	Stud	2 3/4 x 2 3/4"	3/8"	2"	3 1/16"	3M569	✓ 94.85
D	1/16	1550	2	CW	115	2.5	Stud	2 3/4 x 2 3/4"	3/8"	2"	4 5/16"	3M571	✓ 131.90
Totally Enclosed Air-Over													
B	1/20	1550	1	CW	115	1.9	Stud	2 3/4 x 2 3/4"	3/8"	2"	4 7/16"	3M568	*✓ 110.65
C	1/20	1550	1	CW	115	1.9	Cradle	1 15/16 x 3 15/16"	3/8"	2"	5"	3M581	✓ 139.00
D	1/20	1550	1	CW	115	1.9	Stud	2 3/4 x 2 3/4"	3/8"	2"	4 7/16"	3M567	✓ 106.95

* Has 5.0 cu.-in. junction box.



Dayton®

4.4"-Dia. High-Efficiency PSC Fan Motors

- Mounting: stud
- Service factor: 1.0
- Insulation: Class B
- Max. ambient: 40°C
- Capacitor included
- Thermal protection: auto
- Bearings: ball
- Duty: continuous air-over
- Rotation: CW/CCW

Compact, single-speed PSC motors run at a higher power factor, with a lower starting current draw and lower running current draw than larger shaded-pole motors. Also provide higher starting torque and smoother, quieter operation. UL Recognized and CSA Certified.

HP	Nameplate RPM	Voltage	Full Load Amps	Stud/Base Mtg. Pattern	Shaft Dia.	Shaft Length	Length Less Shaft	Item No.	\$ Each
Open Air-Over									
1/16	1625	115	1.8	2 3/4 x 2 3/4"	3/8"	2 1/2"	3 5/8"	10J174	✓ 147.60
1/10	1625	208-230	0.8-0.97	2 3/4 x 2 3/4"	3/8"	2 1/2"	3 5/8"	10J177	*✓ 152.75
1/16	1625	115	1.2	2 3/4 x 2 3/4"	3/8"	2 1/2"	3 3/8"	10J173	✓ 135.30
1/16	1625	208-230	0.6-0.65	2 3/4 x 2 3/4"	3/8"	2 1/2"	3 3/8"	10J176	*✓ 137.75
1/20	1625	115	1.2	2 3/4 x 2 3/4"	3/8"	2 1/2"	3 1/4"	10J172	✓ 127.95
1/20	1625	208-230	0.6-0.8	2 3/4 x 2 3/4"	3/8"	2 1/2"	3 1/4"	10J175	*✓ 130.35
Totally Enclosed Air-Over									
1/10	1625	115	2	2 3/4 x 2 3/4"	3/8"	2 1/2"	3 5/8"	10J180	✓ 155.00
1/10	1625	208-230	0.86-0.94	2 3/4 x 2 3/4"	3/8"	2 1/2"	3 5/8"	10J183	*✓ 158.50
1/16	1625	115	1.0	2 3/4 x 2 3/4"	3/8"	2 1/2"	3 1/2"	10J179	✓ 140.70
1/16	1625	208-230	0.55-0.58	2 3/4 x 2 3/4"	3/8"	2 1/2"	3 1/2"	10J182	*✓ 147.60
1/20	1625	115	1.2	2 3/4 x 2 3/4"	3/8"	2 1/2"	3 3/8"	10J178	✓ 133.40
1/20	1625	208-230	0.6-0.8	2 3/4 x 2 3/4"	3/8"	2 1/2"	3 3/8"	10J181	*✓ 134.80

* 60/50 Hz.



Dayton®

Attic Ventilator Replacement Motors

- Mounting: stud
- Thermal protection: 1 shot
- Shaded-pole-type, except No. 10J153 is PSC

Single-speed motors feature stud mounting for many common installations. Suitable as a replacement for many residential attic fan ventilators including Broan®. UL Recognized, CSA Certified.



Dayton®

Shaft Adapter Bushing

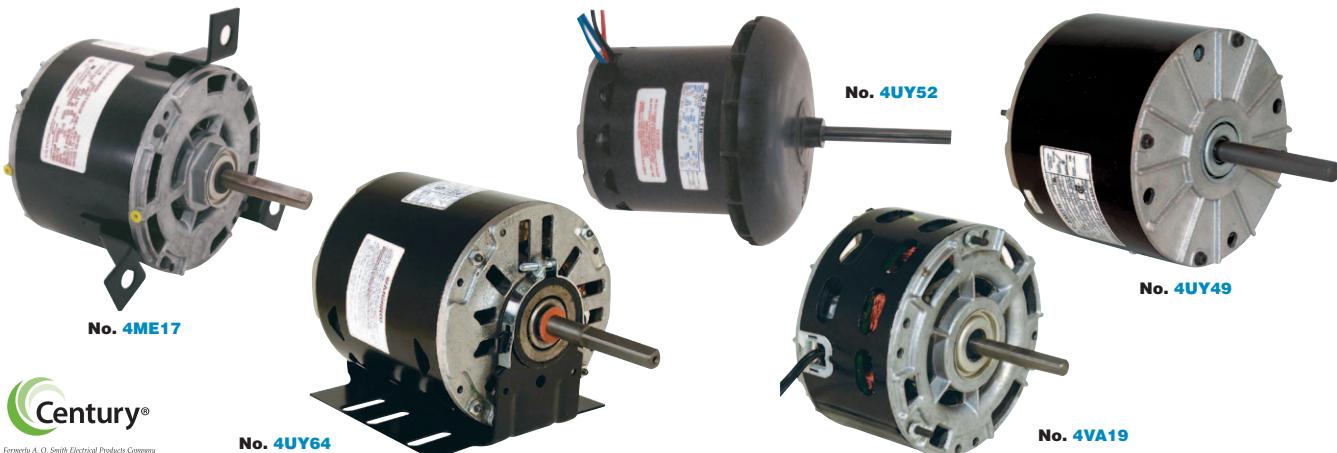
3/8" I.D. x 1/2" O.D. bushing increases 3/8"-dia. shaft to 1/2" dia. Plated finish and hole for setscrew. 1 1/8" L.

Item No.	\$ Each
6X452	7.14

Find Your Replacement Motor at Grainger.com®

Use our online MotorMatch™ product selection guide to quickly and easily find the motor that meets your exact specifications. Drop-down menus for Horsepower, Nameplate RPM, Voltage, Enclosure, Motor Type, Mounting

Preference, Bearing Type, and other options help narrow your search from thousands of choices. Go to grainger.com/motors to locate your new or replacement motor today.



Century®

Formerly A.O. Smith Electrical Products Company
A Regal Beloit Company

Single-Phase OEM Replacement Fan and Blower Motors

▪ For more specifications or cross reference, see [Grainger.com®](http://Grainger.com)

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Mfr. Model	For Use With	Item No.	\$ Each
1/40	1550	3.3	115	OPV343	Aaon	12N960 ✓	190.25
1/25	1550/1300/1050	42Y	115	OPV747	Aaon	12N958 ✓	307.75
1/16, 1/12, 1/8	1550/1300/1050	42Y	115	OPV748	Aaon	12N957 ✓	313.50
1/12	1550/1300	3.3	115	OPV746	Aaon	12N958 ✓	195.75
1/4	3200	48Y	460	OAN470	Aaon	12N952 ✓	340.50
	1550/1050	3.3	115	OPV346	Aaon	12N961 ✓	226.00
1/3	1100	48Y	460	OAN010	Aaon	12N953 ✓	372.25
	1075	48Y	460	OAN1076V1	Aaon	12N951 ✓	390.00
	1075	48Y	208-230	OAN460	Aaon	12N954 ✓	389.25
3/4	1075	48Y	460	OAN1076	Aaon	12N950 ✓	390.00
	1075	48Y	460	OAN747	Aaon	12N955 ✓	545.50
	1075	48Y	460	OAN140	Aaon	12N956 ✓	551.00
1/2 to 1/2	1075	48Y	230	OAD1016	Addison	4UY61 ✓	234.50
1/2	825	48Y	208-230	OAM10088	Amana	4UY83 ✓	142.10
1/6	825	48Y	208-230	OAM1018	Amana	4UY84 ✓	158.50
1/3	1075	48Y	230	OAS40056	American Standard	4VA21 ✓	279.25
	825	48Y	115	OKB1038	Arkla	4VA14 ✓	294.50
1/2	825	48Y	230	OKB1058	Arkla	4VA10 ✓	327.50
1/15	950	42Y	115	OBR40066	Broan	4VA23 ✓	145.65
1/2	1050	42Y	115	9649	Broan	4ME17 ✓	133.85
1/10	1000	42Y	115	OBR40086	Broan	4VA24 ✓	151.25
1/10	1100	42Y	115	OBR40016	Broan	4VA25 ✓	147.55
1/2	1100	48Y	208-230	OCA10086	Carrier/BDP	4UY85 ✓	188.00
1/10	1100	48Y	208-230	OCA10106	Carrier/BDP	4UY86 ✓	199.25
	1500	48Y	208-230	OCA1014	Carrier/BDP	4UY87 ✓	186.75
1/6	1075	48Y	208-230	9650	Carrier/BDP	4ME21 ✓	175.25
	1075	48Y	208-230	OCA1016	Carrier/BDP	4UY92 ✓	211.25
1/6	1050	42Y	115	OCA6427	Carrier/BDP	4UY78 ✓	161.50
	825	48Y	208-230	OCA10208	Carrier/BDP	4UY88 ✓	188.75
1/10	1100	48Y	208-230	OCA1026	Carrier/BDP	4UY89 ✓	222.00
1/4	1075	48Y	208-230	OCB1026A	Carrier/BDP	2GRM1 ✓	175.50
	1075	48Y	230	OCC1026A	Carrier/BDP	2GRM3 ✓	117.60
1/7	1075	48Y	230	OMM1026	Carrier/BDP	4UY63 ✓	248.25
	1075	48Y	208-230	OLG1036	Carrier/BDP	4MB90 ✓	256.75
	1075	48Y	208-230	OCE1036	Carrier/BDP	4ME23 ✓	198.75
1/3	1075	48Y	208-230	OCA1036	Carrier/BDP	4ME11 ✓	237.75
	1075	48Y	208-230	OCF1036	Carrier/BDP	4ME19 ✓	216.50
	1075	48Y	208-230	OCA1036A	Carrier/BDP	2GRM2 ✓	202.50
	1075	48Y	230	OMM1036	Carrier/BDP	4UY59 ✓	268.50
	1075	48Y	200-460	OCA1056	Carrier/BDP	3RCV2 ✓	389.00
1/2	1075	48Y	208-230	OCB1056	Carrier/BDP	4ME27 ✓	227.75
	1075	48Y	208-230	ODC1056	Carrier/BDP	4UY53 ✓	293.50
	1050	48Y	460	FEH1056S	Carrier/BDP	3RCV9 ✓	280.50
1/6	1625	42Y	230	OCP0251	Copeland	4UY90 ✓	278.25
1/4	1625	48Y	208-230	OCP1024	Copeland	4UY62 ✓	247.50
	1625	48Y	208-230	OCP1018	Copeland	2ZA22 ✓	258.75
1/3	1075	48Y	208-230	ODN1036A	Day/Night/Payne	2LRZ9 ✓	190.50
	1100	42Y	208-230	515	Fedders	4UY66 ✓	249.00
1/20	1450	Nonstandard	208-230	396	Kramer	3RCU7 ✓	85.45
1/3	1075	48Y	230	OFR1036	Friedrich	4ME10 ✓	240.75
	1300	48Y	230	9648	Gibson	4MB86 ✓	251.00
1/6, 1/12, 1/20	1500	42Y	115	955	Goodman	3RCW7 ✓	304.00
1/6	1075	48Y	208-230	OGD1016	Goodman, Janitrol	3RCU8 ✓	138.60

* 60/50 Hz. † Capacitor required, sold separately.

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

Room Air Conditioner, Evaporative Cooler, Remote Fan Coil Unit and Other Shaft-Mounted Fan and Blower Applications

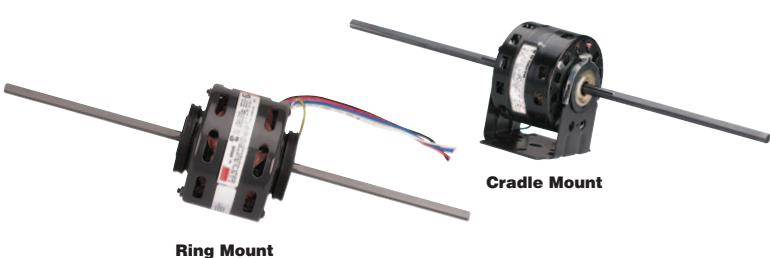
1/4	1625	42Y	208-230	OFC1024	—	3RCV8 ✓	211.50
1/20	1500	42Y	230	OTC6004	Tecumseh	3RCU9 ✓	145.50
1/16	1500	42Y	230	OTC6001	Tecumseh	3RCV3 ✓	152.25
1/8	1650	48Y	200-230	OTR1004	Trane	4UY96 ✓	213.00
	1550	42Y	208-240	OTR4513	Trane	4UY73 ✓	202.50
	1550	42Y	230	598	Trane	4UY65 ✓	141.85
1/6	1075	48Y	115	OTR10206	Trane	4VA27 ✓	279.25
1/4	825	48Y	200-230	OTR1028	Trane	4UY97 ✓	256.75
1/3	1075	48Y	115	OTR1036	Trane	4VA29 ✓	319.00
1/6 to 1/30	1000	42YZ	115	799	Unilux	3RCV4 ✓	201.00
1/8	1075	48Y	208-230	OYK1006	York	4UY49 ✓	258.00
1/4	850	48Y	208-230	OYK1028	York	4UY50 ✓	260.50
1/2	1090	48Y	208-230	OYK1056S	York	4UY48 ✓	298.50
1	1075	48Y	115	OYK1106	York	4UY98 ✓	338.00

1-800-GRAINGER

MOTORS

Dual-Shaft, Room Air Conditioner Motors

See page 4118 for replacement blower wheels.



Ring Mount

Shaded-Pole Dual-Shaft Motors



- Enclosure: open air-over
- Service factor: 1.0
- Max. ambient: 40°C
- Thermal protection: auto
- Bearings: sleeve
- Duty: continuous air-over

For room air conditioners, evaporative coolers, remote fan coil units, and other shaft-mounted fan and blower applications. UL Recognized and CSA Certified.

HP	Nameplate RPM	No. of Speeds	Voltage	Full Load Amps	Rotation	Mounting	Ring to Ring Center	Resilient Ring Dia.	Stud Pattern	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each
Nonstandard Frame, 4.4" Body Dia., Dayton															
1/25	1550	3	115	1.4	CCWLE	Ring	3 3/4"	2 1/2"	—	3/8"	6 3/4" Ea.	4 1/2"	—	4M295 ✓	167.00
1/20	1550	3	115	2	CCWLE	Ring	3 3/4"	2 1/2"	—	1/2"	6 3/4" Ea.	4 1/2"	—	4M296 ✓	163.50
1/15	1550	3	115	2.5	CCWLE	Ring	3 3/4"	2 1/2"	—	1/2"	6 3/4" Ea.	4 1/2"	—	4M297 ✓	180.75
1/10	1550	3	115	3.1	CCWLE	Ring	4 9/16"	2 1/2"	—	9/16"	6 3/4" Ea.	5 1/8"	—	4M161 ✓	182.75
1/8	1550	3	115	3.1	CCWLE	Ring	4 9/16"	2 1/2"	—	1/2"	6 3/4" Ea.	5 1/8"	—	4M162 ✓	180.25
1/6	1550	4	115	4.3	CCWLE	Ring	4 1/2"	2 1/2"	—	1/2"	6 3/4" Ea.	5 3/16"	—	4M163 ✓	188.50
1/6	1550	4	115	4.9	CCWLE	Ring	5"	2 1/2"	—	1/2"	6 3/4" Ea.	6 1/2"	—	4M164 ✓	207.25
42Y Frame, 5" Body Dia., Century															
1/85	1050	4	115	2.0	CCWLE	Cradle/Stud	4 5/16"	2 1/2"	2 5/16" x 4"	1/2"	8" Ea.	4 11/16"	9673	4UU46 *✓	192.50
1/15	1050	3	208-230	1.3	CCWLE	Ring/Stud	3 3/4" to 4 3/4"	2 1/4"	2 5/16" x 4"	1/2"	10 1/2" Ea.	3 3/4"	9670	4UU39 *✓	190.75
1/10	1050	4	115	2.4, 1.6, 1.1, 0.80	CWLE	Cradle/Stud	4 1/16"	2 1/2"	2 5/16" x 4"	9/16"	7 3/4" Ea.	4 1/16"	9674	4UU47 *✓	197.75
1/15, 1/20, 1/30, 1/50	1050	4	115	2.4, 1.6, 1.1, 0.80	CCWLE	Ring/Stud	4 to 5"	2 1/4"	2 5/16" x 4"	1/2"	10 1/2" Ea.	3 3/4"	389A	4UU37 *✓	182.25
1/10	1050	4	115	2.4, 1.6, 1.1, 0.80	CCWLE	Ring/Stud	4 to 5 1/8"	2 1/4"	2 5/16" x 4"	1/2"	8" Ea.	3 3/4"	393A	4UU65 ✓	189.25
1/12, 1/20, 1/30	1550	1	115	3.2, 1.8, 1.3	CCWLE	Ring/Stud	3 3/4" to 4 3/4"	2 1/4"	3 1/4" x 3 1/4"	1/2"	6 7/16" to 7 1/16"	3 3/4"	323A	4UU38 ✓	163.50
1/12	1050	3	115	4.0	CCWLE	Ring/Stud	4 1/16"	2 1/4"	2 5/16" x 4"	1/2"	8" Ea.	3 1/2"	9672	4UU41 ✓	216.00
1/10	1550	4	115	3.5	CCWLE	Cradle/Stud	4 1/16"	2 1/2"	2 3/4" x 3 1/4"	1/2"	8 3/4" Ea.	4 1/16"	DBL4410	4UU44 ✓	172.75
1/10	1550	4	115	3.5	CCWLE	Cradle/Stud	4 1/16"	2 1/2"	2 3/4" x 3 1/4"	3/8"	8 3/4" Ea.	4 1/16"	DBL4411	4UU45 ✓	179.00
1/10	1550	4	208-230	2.11	CCWLE	Cradle/Stud	4 1/16"	2 1/2"	3 3/4" x 3 1/4"	9/16"	8" Ea.	4 1/16"	DBL4412	4UU48 ✓	194.25
1/10	1050	2	115	3.7	CCWLE	Cradle	4 1/16"	2 1/2"	—	1/2"	9 3/4" Ea.	4 1/16"	DBL64062	4LY99 ✓	163.00
1/10	1050	2	208-230	1.9	CCWLE	Cradle	4 1/16"	2 1/2"	—	1/2"	8 3/4" Ea.	4 1/16"	DB64072	4MA11 ✓	165.50
1/10, 1/15, 1/20, 1/25	1050	4	277	1.3, 0.8, 0.7, 0.6	CCWLE	Cradle	4 1/16"	2 1/2"	—	1/2"	8 1/16" Ea.	4 1/16"	7DB6408	3M864 ✓	166.25
1/10, 1/20, 1/30, 1/40, 1/70	1050	5	115	3.2, 2.3, 1.7, 1.4, 0.96	CWLE	Cradle	4 1/16"	2 1/2"	—	9/16"	9 1/2" Ea.	4 1/16"	93V1	4MA17 *✓	135.30
1/10, 1/20, 1/30, 1/40, 1/70	1050	5	115	3.2	CWLE	Cradle	4 1/16"	2 1/2"	—	1/2"	10 3/16" Ea.	4 1/16"	89	4MA19 *✓	123.80
1/10, 1/15, 1/20, 1/25, 1/30	1050	5	115	3.5, 2.8, 2.2, 1.9, 1.6	CCWLE	Ring/Stud	3 1/2" to 4 1/16"	2 1/4"	2 1/4" x 3 1/4"	1/2"	10, 9 7/8"	4 3/16"	DBL6409NB	4UU42 ✓	216.25
1/10	1000	5	208-230	2.3	CCWLE	Ring/Stud	4 to 5 1/8"	2 1/4"	2 5/16" x 4"	1/2"	11, 10 1/2"	4"	9689	4UU64 ✓	201.25
1/8, 1/12, 1/20, 1/30	1550	4	115	3 3/16", 2.3, 1.7, 1.2	CCWLE	Cradle/Stud	4 1/16"	2 1/2"	3 3/4" x 3 1/4"	1/2"	9 3/4" Ea.	4 15/16"	9675	4UU49 ✓	191.75
1/8	1500	3	115	5.5	CCWLE	Ring/Stud	4 1/2" to 5 1/2"	2 1/4"	3 3/4" x 3 1/4"	3/8"	8" Ea.	4 1/2"	9671	4UU40 ✓	198.50
1/6	1050	4	115	4.4	CCWLE	Cradle/Stud	5"	2 1/2"	2 5/16" x 4"	1/2"	10" Ea.	4 15/16"	9676	4UU50 ✓	219.25
1/6	1550	4	115	4.0	CCWLE	Cradle/Stud	4 1/16"	2 1/2"	3 3/4" x 3 1/4"	1/2"	8" Ea.	4 1/2"	DCL4423	4UU51 ✓	220.75
1/6	1050	1	230	2.9	CCWLE	Cradle	4 3/4"	2 1/2"	—	1/2"	8" Ea.	5 3/16"	9637	4LY97 ✓	244.75
1/6, 1/8, 1/10	1050	1	230	2.9, 2.1, 1.6	CCWLE	Ring/Stud	4 3/4" to 5 3/4"	2 1/4"	2 5/16" x 4"	1/2"	10" Ea.	5 1/4"	348A	4UU43 ✓	240.25
1/6	1050	2	115	5.8	CCWLE	Cradle	4 3/4"	2 1/2"	—	1/2"	8" Ea.	5 3/16"	9636	4LY95 ✓	226.25
1/4	1050	4	115	8.6	CCWLE	Cradle/Stud	4 13/16"	2 1/2"	2 5/16" x 4"	1/2"	8" Ea.	5 3/16"	9677	4UU52 ✓	227.75
1/4	1050	4	115	8.5	CCWLE	Cradle/Stud	5 1/3/16"	2 1/2"	2 5/16" x 4"	1/2"	8" Ea.	6 3/16"	9678	4UU53 ✓	255.00
1/10	1050	4	277	1.6	CCWLE	Cradle	4 9/16"	2 1/2"	—	1/2"	8 9/16" Ea.	4 15/16"	7RAB4010	4UB83 ✓	171.25

* 60/50 Hz.



Ring/Stud Mount

Cradle/Stud Mount

Permanent Split Capacitor Dual-Shaft Motors



- Enclosure: open air-over
- Service factor: 1.0
- Rotation: CW/CCW
- Thermal protection: auto
- Bearings: sleeve
- Duty: continuous air-over
- Capacitor included

For heating/air conditioning, fan coil units, furnace blowers, unit heaters, and other shaft-mounted fan and blower applications. Feature quick-change reversing plug. UL Recognized and CSA Certified.

HP	Nameplate RPM	No. of Speeds	Voltage	Full Load Amps	Ambient	Mounting	Ring to Ring Center	Resilient Ring Dia.	Stud Pattern	Shaft Dia.	Shaft Length	Length Less Shaft	Item No.	\$ Each
Nonstandard Frame, 4.4" Body Dia.														
1/10	1550	3	115	1.5	40°C	Ring/Stud	4 3/8"	2 1/2"	2 3/4" x 2 3/4"	3/8"	6 3/4" Ea.	4 7/8"	5WJC6 ✓	99.25
1/8	1550	4	115	1.5	40°C	Ring/Stud	4 3/8"	2 1/2"	2 3/4" x 2 3/4"	1/2"	6 3/4" Ea.	4 7/8"	5WJC7 ✓	99.25
1/6	1550	4	115	2.0	40°C	Ring/Stud	4 1/2"	2 1/2"	2 3/4" x 2 3/4"	1/2"	6 3/4" Ea.	4 15/16"	5WJC8 ✓	105.20
1/6	1550	4	115	2.3	40°C	Ring/Stud	5"	2 1/2"	2 3/4" x 2 3/4"	1/2"	6 3/4" Ea.	5 1/2"	5WJC9 ✓	117.25
42Y Frame, 5" Body Dia.														
1/20	1075	4	115	1.0	60°C	Cradle/Stud	4 1/4"	2 1/2"	2 5/16" x 4"	1/2"	10" Ea.	4 3/4"	5WJA7 ✓	95.35
1/15	1050	4	115	1.2	60°C	Cradle/Stud	4 1/4"	2 1/2"	2 5/16" x 4"	1/2"	10 1/2" Ea.	4 11/16"	5WJA8 ✓	99.25
1/10	1075	4	115	1.8	60°C	Cradle/Stud	4 1/4"	2 1/2"	2 5/16" x 4"	1/2"	10" Ea.	4 3/4"	5WJC1 ✓	108.30
1/10	1050	4	277	0.60	60°C	Cradle/Stud	4 1/4"	2 1/2"	2 5/16" x 4"	1/2"	8 1/2" Ea.	4 3/4"	5WJA9 ✓	98.55
1/8	1075	4	115	1.8	60°C	Cradle/Stud	4 1/4"	2 1/2"	2 5/16" x 4"	9/16"	10" Ea.	4 3/4"	5WJC2 ✓	108.30
1/6	1265	4	115	0.80	60°C	Cradle/Stud	4 1/4"	2 1/2"	2 5/16" x 4"	1/2"	8" Ea.	4 3/4"	5WJC3 ✓	100.75
48Y Frame, 5" Body Dia.														
1/4	1625	4	115	3.0	60°C	Cradle/Stud	5"	2 1/2"	3 3/8" x 3 3/8"	1/2"	8 1/2" Ea.	5 3/16"	5WJC4 ✓	153.50
1/2	1075	4	115	5.7	60°C	Cradle/Stud	6 1/4"	2 1/2"	3 3/8" x 3 3/8"	1/2"	8 1/2" Ea.	6 11/16"	5WJC5 ✓	171.75



Permanent Split Capacitor Dual-Shaft Motors

- Enclosure: open air-over, except Nos. **4UB91**, **4MB92**, and **4MA83** are open dripproof
- Service factor: 1.0
- Thermal protection: auto
- Bearings: sleeve, except No. **4MA83** is ball and No. **4MB88** is ball/sleeve
- Duty: continuous air-over

For room air conditioners, evaporative coolers, remote fan coil units, and other shaft-mounted fan and blower applications. UL Recognized and CSA Certified.

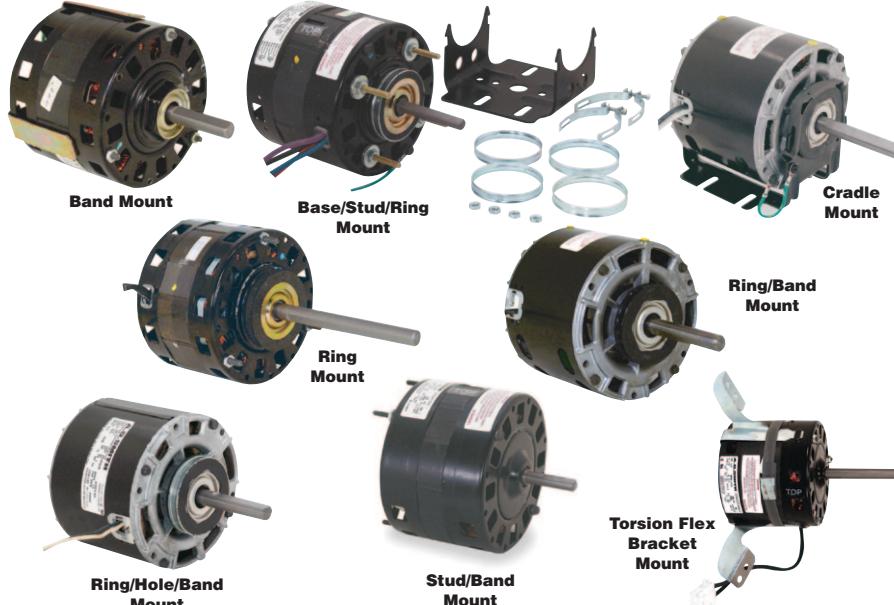


Cradle-Mount

	HP	Nameplate RPM	No. of Speeds	Voltage	Full Load Amps	Ambient	Rotation	Mounting	Ring to Ring Center	Resilient Ring Dia.	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each	Capacitor Req.
42Y Frame, 5" Body Dia.																	
1/25, 1/40, 1/50	3	1625	3	115	0.73, 0.49, 0.37	40°C	CWLE	Cradle	4 1/16"	2 1/2"	1/2"	9 1/4"	4 7/16"	382A	4UU14	✓	231.00
1/20	4	1075	4	115	0.8	40°C	CWLE	Cradle	4 1/16"	2 1/2"	1/2"	9 1/4"	4 7/16"	452A	4UU15	✓	181.50
1/15, 1/20, 1/25, 1/35	4	1075	4	115	1.2, 0.8, 0.7, 0.6	40°C	CCWLE	Cradle	4 1/4"	2 1/2"	1/2"	10 1/2"	4 3/4"	9474	4MA85	✓	176.75
1/10, 1/12, 1/15	3	1625	3	115	1.3, 1.0, 0.7	40°C	CCWLE	Cradle	4 1/8"	2 1/2"	1/2"	8 1/16"	4 3/8"	DBL4500V1	4UU16		221.00
1/10	3	1500	3	208-230	0.7	40°C	CCWLE	Cradle	4 1/4"	2 1/2"	1/2"	9 1/4"	4 11/16"	9652	4UU18	✓	250.75
1/10, 1/12, 1/15, 1/20	4	1075	4	115	1.7, 1.6, 0.9, 0.8	40°C	CCWLE	Cradle	4 1/8"	2 1/2"	1/2"	8 1/16"	4 3/8"	DBL6501V1	4UU17	✓	198.25
1/10	4	1075	4	115	1.7	40°C	CWLE	Cradle	—	—	1/2"	10 1/2"	4 7/16"	362	4MB94	✓	207.25
1/10, 1/15, 1/20, 1/25	4	1075	4	208-230	0.7, 0.5, 0.4, 0.3	40°C	CCWLE	Cradle	4 1/8"	2 1/2"	1/2"	8 1/16"	4 3/8"	DBL6502V1	4UU19	✓	213.50
1/8, 1/20, 1/30	3	1500	3	115	1.2, 0.7, 0.4	40°C	CCWLE	Cradle	4 1/8"	2 1/2"	1/2"	9 1/4"	4 11/16"	945A	4UU20		250.00
1/8	3	1075	3	115	2.4	40°C	CCWLE	Cradle	4 1/8"	2 1/2"	1/2"	9 1/4"	4 11/16"	DBL6503	4UU21	✓	231.50
1/8, 1/12, 1/14	4	1075	4	208-230	1.2	40°C	CCWLE	Cradle/Stud	4"	2 1/2"	1/2"	10" Ea.	4 7/16"	DB6503	4MA87	✓	208.25
1/8, 1/10, 1/15	3	1075	3	277	0.83	40°C	CCWLE	Ring/Band	4 1/16"	2 1/2"	1/2"	8 1/2"	4 7/16"	596	4UB79	✓	162.00
1/6, 1/10, 1/20	4	1625	4	115	2.2, 1.6, 1.1, 0.9	40°C	CCWLE	Cradle	5"	2 1/2"	1/2"	9 1/4"	5 5/16"	9476A	4UU22	✓	242.50
1/6	1	1075	1	115	2.7, 1.6, 1.0	40°C	CWLE	Cradle	4 13/16"	2 1/2"	1/2"	8 1/16"	5 5/16"	670A	4UU23	✓	241.25
1/6, 1/10, 1/20	3	1075	3	208-230	1.4	40°C	CCWLE	Cradle	4 1/8"	2 1/2"	1/2"	9 1/4"	4 15/16"	DB6504	4UU25	✓	247.00
1/6, 1/10	1	1625	1	208-230	1.0, 0.76, 0.61	40°C	CCWLE	Cradle	5"	2 1/2"	1/2"	9 1/16"	4 15/16"	467A	4UU24	✓	252.75
1/6	1	1550	3	208-230	1.7-1.9	40°C	CCWLE	Ring	—	—	1/2"	6"	4 15/16"	DCA4522	4ME15	✓	244.25
1/6	1	1075	1	208-230	1.3-1.4	40°C	CWLE	Band	—	—	1/2"	5 3/4"	4 15/16"	OYK6518	4MB96	✓	219.25
1/4	1	1075	1	115	4.1	40°C	CCWLE	Cradle/Stud	5 1/4"	2 1/2"	1/2"	8" Ea.	5 1/16"	DBL6524V1	4MA89	✓	232.00
1/4	1	1075	1	208-230	1.6	40°C	CCWLE	Cradle/Stud	5 1/4"	2 1/2"	1/2"	8" Ea.	5 1/16"	DBS525V1	4MA91	✓	235.75
48Y Frame, 5 1/2" Body Dia.																	
1/15	3	1075	3	115	0.63	40°C	CCWLE	Ring	4 3/16"	2 1/2"	1/2"	5 5/16"	4 5/8"	RAL1056	4UB73	‡✓	178.25
																	‡
1550	3	115	2.3	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 1/2"	4 9/16"	9681	4UU56	‡✓	273.75		
1550	3	208-230	1.1	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 1/2"	4 9/16"	9682	4UU57	✓	280.00		
1/8	3	1075	3	115	2.0	60°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	8 1/4", 7 1/2"	4 1/4"	RAL1006	4MA51	✓	171.50
																	2MDV4
1075	3	208-230	0.75	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	8 1/4", 7 1/2"	4 1/4"	RA1006	4MA93	✓	170.25		
1/6	2	1625	2	115	2.4	40°C	CWLE/CCWLE	Cradle	4 11/16"	2 1/2"	1/2"	7"	5 1/8"	DSB1016R	4UU30	✓	235.00
1/6, 1/10, 1/15	1	1625	1	115	1.92, 1.05, 0.80	60°C	CCWLE	Ring/Stud	—	2 1/2"	1/2"	8 1/2", 8"	4 3/8"	9635A	5DV6	✓	198.75
1/6	2	230	1.3	40°C	CWLE/CCWLE	Cradle	4 11/16"	2 1/2"	1/2"	7"	5 1/8"	DSB1016HR	4UU31	✓	238.00		
1/6	3	1550	3	115	2.7	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 1/2", 8"	4 1/8"	9685	4UU60	✓	282.00
1/6	3	1075	3	115	3.1	40°C	CCWLE	Cradle	4 7/16"	2 1/2"	1/2"	7"	4 7/16"	DSB1016	4UU33	✓	155.00
1/6	3	1075	3	115	2.2	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	8 1/8", 7 1/2"	4 3/8"	RAL1016	4MA53	✓	171.50
1/6	3	1075	3	208-230	0.96	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	8 1/8", 7 1/2"	4 1/4"	RA1016	4MA55	✓	169.00
1/6	3	1075	3	230	1.2	40°C	CCWLE	Cradle	4 7/16"	2 1/2"	1/2"	7"	4 7/16"	DSB1016H	4UU34	✓	172.50
1/6	3	1625	2	265	1.3	40°C	CWLE	Lug	—	—	1/2"	11 15/16"	4 7/16"	9651	4UB91	✓	198.25
1/6	2	1625	2	115	2.4	40°C	CCWLE	Cradle	4 11/16"	2 1/2"	1/2"	7"	5 1/8"	DSB1024	4UU28	✓	164.75
1/6	3	1625	3	115	3.4	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 1/8", 7 1/2"	4 7/16"	RAL1024	4MA99	✓	214.50
1/6	3	1625	3	208-230	1.9	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 7/8", 7 1/2"	4 7/16"	RA1024	4MB11	✓	217.00
1/6	2	1625	2	230	1.3	40°C	CCWLE	Cradle	4 11/16"	2 1/2"	1/2"	7"	5 1/8"	DSB1024H	4UU29	✓	183.50
1/6	3	1550	3	115	4.9	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 1/2"	5"	9687	4UU62	✓	298.25
1/6	3	1075	2	208-230	2.2	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 1/2"	5"	9688	4UU63	✓	302.00
1/6	2	1075	2	115	4.4	40°C	CCWLE	Cradle	4 9/16"	2 1/2"	1/2"	7 1/2"	5"	DSB1026	4UU26	✓	169.00
1/6	3	1075	3	115	3.4	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 3/4", 7 1/2"	4 9/16"	RAL1026	4MA79	✓	182.00
1/6	3	1075	3	208-230	1.5	60°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 7/8", 7 1/2"	4 9/16"	RA1026	4MA57	✓	180.50
1/6	3	1075	3	208-230	1.5	60°C	CCWLE	Stud	—	—	1/2"	7 1/8", 8"	4 1/8"	RA1026	4MA73	✓	145.80
1/6	2	1075	2	230	1.9	40°C	CCWLE	Cradle	4 7/16"	2 1/2"	1/2"	7"	4 7/16"	DSB1026H	4UU27	✓	184.25
1/6	3	1075	3	277	1.3	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 1/8", 7 9/16"	4 1/8"	7RA1026	4UB81	✓	258.00
1/6	3	1625	3	208-230	2.0	50°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 3/8", 7 1/2"	5 1/8"	RA1034	4MA63	✓	224.50
1/6	1	1625	1	208-240	2.2-2.4	40°C	CCWLE	Cradle	—	—	1/2"	6 5/8" and 6"	6 1/8"	RAB1034S	4ME31	✓	264.25
1/6	3	1625	3	230	2.0	40°C	CCWLE	Cradle	5 1/8"	2 1/2"	1/2"	7"	5 1/2"	DSB1034H	4UU35	✓	174.50
1/6, 1/4, 1/6	1	1365	1	230	2.7, 2.0, 1.6	60°C	CCWLE	Stud	—	—	1/2"	7 3/4", 7 1/2"	4 1/8"	399A	2DU2	✓	201.00
1/6, 1/4, 1/6	1	1100	3	208-230	1.35-1.5	60°C	CCWLE	Stud	—	—	1/2"	5 1/8" and 5 1/4"	4"	OWR1036	4MB82	✓	250.25
1/6, 1/4, 1/6	3	1075	3	115	5.0	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 7/8", 6 1/4"	5 3/8"	RAL1036	4MA59	✓	174.25
1/6, 1/4, 1/6	3	1075	3	208-230	1.9	60°C	CCWLE	Cradle/Stud	5 1/8"	2 1/4"	1/2"	7 9/16", 6 1/2"	5 5/8"	RA1036WB	4MB17	✓	176.75
1/6, 1/4, 1/6	3	1075	3	208-230	1.9	60°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	8 1/8", 6 1/4"	5 1/8"	RA1036	4MA61	✓	183.00
1/6, 1/4, 1/6	3	1075	3	208-230	2.2	40°C	CCWLE	Stud	—	—	1/2"	7 15/16"	4 1/8"	SAI1036V1	4MA75	✓	153.00
1/6, 1/4, 1/6	3	1075	3	230	3.1	40°C	CCWLE	Cradle	4 15/16"	2 1/2"	1/2"	7"	5 5/8"	DSB1036H	4UU36	✓	203.50
1/6, 1/4, 1/6	3	1075	3	230	1.9	40°C	CCWLE	Stud	—	—	1/2"	4 1/8" & 4"	5"	RAB1036	4MB92	✓	240.50
1/6, 1/4, 1/6	3	1625	3	115	6.0	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 5/8", 6 1/4"	5 5/8"	RAL1054	4MB15	✓	240.50
1/6, 1/4, 1/6	3	1625	3	208-230	3.2	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 5/8", 6 3/4"	5 5/8"	RA1054	4MA67	✓	233.75
1/6, 1/4, 1/6	4	1075	4	115	7.5	40°C	CCWLE	Band	—	—	1/2"	7 1/4" and 3 1/8"	6 1/8"	OCC1056	4ME25	✓	250.75
1/6, 1/4, 1/6	5	1075	3	115	5.2	40°C	CCWLE	Ring/Stud	—	2 1/4"	1/2"	7 3/4", 6 3/4"	5 7/8"	RAL1056	4MA77	*	224.25
1/6, 1/4, 1/6	5	1075	3	208-230													

MOTORS

Direct-Drive Blower/Fan Motors



Century®
Formerly A.O. Smith Electrical Products Company
A BORG-BOSCH Company

Shaded Pole Direct-Drive Blower/Fan Motors

- 42Y Frame (5" body dia.)
- Enclosure: open air-over, except Nos. **4UU95** and **4UU91** are totally enclosed air-over
- Service factor: 1.0
- Max. ambient: 40°C
- Thermal protection: auto
- Bearings: sleeve
- Duty: continuous air-over

These motors are suitable for unit heaters, condensers, furnace blowers, air circulators, fans, and a wide range of other shaft-mounted fan and blower equipment. Nos. **4UU91** and **4UU98** have a 5.0 cu.-in. junction box. Nos. **4KA23**, **4KA20**, and **4KA22** are used in Coleman furnaces. No. **4KA49** has a 2½" ring dia. and is for Lear-Siegle furnaces. All models are UL Recognized and CSA Certified.

Mounting	HP	Nameplate RPM	No. of Speeds	Voltage	Full Load Amps	Rotation	Ring to Ring Center	Shaft Dia.	Shaft Length	Mfr. Model	Item No.	\$ Each
Band	1/12	1050	1	115	3.1	CCWLE	—	1/2"	2 1/2"	BL6409	4KA23	110.00
	1/10	1050	1	115	3.9	CCWLE	—	1/2"	2 1/2"	BL6408	4KA20	✓ 125.35
	1/8	1000	1	115	7.8	CCWLE	—	1/2"	2 1/2"	BL6407	4KA22	✓ 135.20
	1/10	1050	1	115/208-230	4.0/2.0-2.0	CWLE	4 1/16"	2 1/2" x 2 1/2"	3/8" 2 1/4"	RF6402	4UU74	✓ 203.25
Base/Stud/Ring	1/10	1050	1	115/208-230	4.0/2.0-2.0	CCWLE	4 1/16"	2 1/2" x 2 1/2"	3/8" 2 1/4"	RF6403	4UU76	✓ 214.50
	1/10	1550	1	115/208-230	4.0/2.0-2.0	CWSE	4 1/16"	2 1/2" x 2 1/2"	3/8" 2 1/4"	RF4400	4UU75	✓ 167.00
	1/10	1550	1	115/208-230	4.0/2.0-2.0	CCWSE (Lead Exit Shaft End)	4 1/16"	2 1/2" x 2 1/2"	3/8" 2 1/4"	RF4401	4UU77	✓ 174.50
	1/15	1000	1	115	3.2	CCWLE	4 1/16"	—	9/16" 3 1/4"	9694	4UU96	✓ 124.40
Cradle	1/15	1050	1	115	3.3	CCWLE	4 1/16"	—	1/2" 2 1/8"	U6432	4UU95	✓ 144.00
	1/10	1550	1	115	5.0	CWLE	4 1/16"	—	1/2" 2 7/8"	9639	4MA21	✓ 125.25
	1/10	1550	1	230	2.9	CWLE	4 1/16"	—	1/2" 2 7/8"	9638	4MA15	✓ 150.50
	1/8	1550	1	115	6.4	CWLE	4 1/16"	—	1/2" 2 7/8"	9640	4MA23	✓ 157.00
Ring	1/15	1550	1	208-230	3.2	CCWSE	4 1/16"	—	1/2" 2 7/8"	593	4MA13	✓ 169.75
	1/15	1050	1	115	3.3	CCWLE	—	2 1/4" x 3 1/8"	1/2" 2 1/2"	U6433	4UU91	✓ 119.85
	1/8	1050	1	115	5.2	CCWLE	4 1/16"	—	1/2" 5"	BL6410	4KA21	✓ 120.55
	1/8	1050	1	115	5.2	CCWLE	4 13/16"	2 5/8" x 4"	1/2" 4"	9706	4VU34	✓ 115.75
Ring	1/8	1050	1	115	5.2	CCWLE	4 1/16"	2 1/4" x 3 1/8"	1/2" 5"	BLR6403	4UU99	✓ 131.75
	1/8, 1/10, 1/12	1050	3	115	5.1/3.5/3.0	CCWLE	4 13/16"	2 5/8" x 4"	1/2" 3 1/4"	9703	4UU83	✓ 120.80
	1/8	1050	1	208-230	2.6	CCWLE	4 1/16"	—	1/2" 5"	B6411	4KA45	✓ 130.35
	1/8	1050	1	115	5.5	CCWLE	4 1/16"	2 1/4" x 3 1/8"	1/2" 3"	BLR6402	4UU97	✓ 133.60
Ring	1/8	1050	1	115	7.0	CCWLE	4 1/16"	2 5/8" x 4"	1/2" 3 1/4"	345A	4VU35	✓ 114.60
	1/6	1050	3	115	6.3	CCWLE	4 1/16"	2 1/4" x 3 1/8"	1/2" 3 1/16"	9701	4UU79	✓ 120.80
	1/5	1050	1	115	6.0	CCWLE	4 1/16"	4 7/16"	1/2" 5"	BL6413	4KA46	✓ 131.35
	1/5	1050	1	115	6.7	CCWLE	4 1/16"	2 5/8" x 4"	1/2" 3 1/4"	9690	4UU89	✓ 142.15
Ring/Band	1/5	1050	3	115	6.5/4/3.4/2	CCWLE	4 1/16"	4 7/16"	1/2" 5"	BL6414	4KA41	✓ 125.75
	1/5	1050	3	115	6.8/5.3/4.2	CCWLE	5 9/16"	2 5/8" x 4"	1/2" 5"	9695	4UY10	✓ 151.25
	1/5	1050	4	115	7.1	CCWLE	4 1/16"	4 7/16"	1/2" 2 1/8"	BL6416	4KA40	✓ 174.25
	1/5	1050	4	115	7.9	CWSE	4 1/16"	4 5/8"	1/2" 3 5/8"	559	4KA47	✓ 158.75
Ring/Hole/Band	1/5	1050	3	208-230	3.2/2.1/1.5	CCWLE	4 1/16"	4 7/16"	1/2" 5"	B6415	4KA42	✓ 162.00
	1/5	1050	3	208-230	3.4	CWSE	4 1/16"	4 5/8"	1/2" 3 3/8"	429	4KA48	✓ 143.85
	1/5	1050	3	208-230	3.4/2.7/2.2	CCWLE	5 9/16"	2 5/8" x 4"	1/2" 5"	9696	4UY11	✓ 155.25
	1/4	1050	1	115	9.4	CCWLE	5 1/16"	2 1/4" x 3 7/8"	1/2" 3 15/16"	BLR6405	4UU81	✓ 131.65
Ring/Band	1/4	1050	1	115	12.3	CCWLE	5 1/16"	2 5/8" x 4"	1/2" 2 9/16"	BLR6401	4UU90	✓ 165.50
	1/4	1050	3	115	8.2	CCWLE	5 1/16"	2 1/4" x 3 7/8"	1/2" 3 15/16"	BLR6404	4UU80	✓ 139.80
	1/4	1050	1	115	4.2	CWSE	—	—	1/2" 2 3/8"	9646	4KA49	✓ 137.20
	1/5	1550	1	115/208-230	2.8/1.4	CWLE/CCWLE	5 1/16"	2 1/2" x 2 1/2"	3/8" 2 3/4"	613A	4UU78	✓ 176.75
Ring/Hole/Band	1/5	1550	1	115/208-230	2.8/1.4	CWLE/CCWLE	5 1/16"	2 1/2" x 2 1/2"	3/8" 2 3/4"	612A	4UU73	✓ 169.00
	1/5	1050	2	115	3.48	CCWLE	—	2 1/4" x 3 7/8"	3/8" 1 5/8"	BLR6405	4UU92	*✓ 120.10
	1/10	1050	1	115	4.0	CCWLE	—	2 1/4" x 3 7/8"	3/8" 1 5/8"	BLR6406	4UU93	*✓ 120.10
	1/6	1000	1	115	5.7	CCWLE	—	4 5/8"	1/2" 2 1/2"	BL6411	4UU98	✓ 152.50
Stud/Band	1/5	1050	1	115	2.8	CCWLE	—	2 1/4" x 3 7/8"	3/8" 1 5/8"	BLR6407	4UU94	*✓ 114.05
	1/5	1050	1	115	6.5	CWSE	—	—	1/2" 3 3/4"	ONR6026	4MB32	✓ 158.25
	1/4	1050	1	115	8.9	CWSE	—	—	1/2" 4 1/4"	BL6531	4MB34	✓ 163.75
	1/4	1050	3	115	8.2	CCWLE	—	—	1/2" 4 3/8"	BL6534	4MB48	✓ 171.00

* Studs located on opposite shaft end of motor. † Include BX connector.

Century®
Formerly A.O. Smith Electrical Products Company
A BORG-BOSCH Company

ECM Fan Coil Motor

- Enclosure: open air-over
- Max. ambient: 40°C
- Thermal protection: auto
- Bearings: ball
- Duty: continuous

For use in air conditioners, fan coil units, and blower applications. UL Recognized.



HP	Nameplate RPM	No. of Speeds	Voltage	Full Load Amps	Ambient	Rotation	Mounting	Ring Dia.	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each
42 Frame, 5" Body Dia.	1100	3	120	1.6	40°C	CWLE	Cradle	2 1/2"	1/2"	9 5/16"	31 13/16"	CS89	10C902	✓ 370.00

✓ = Repair & Replacement Coverage Available

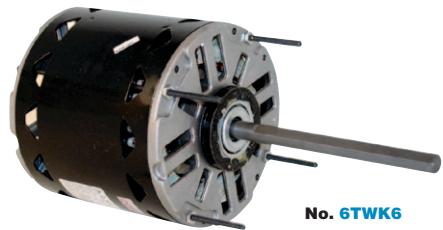


MasterFit® Pro Formerly A.O. Smith Electrical Products Company
A Regal Beloit Company

Direct-Drive Blower Motors

- NEMA frame: 48Y
($5\frac{3}{8}$ " body dia.)
- Enclosure: open
- Mounting: ring/stud/band/hole
- Service factor: 1.0
- Insulation: Class B
- Thermal protection: auto
- Shaft orientation: horizontal
- Rotation: CW/CCW
- Duty: continuous

Replace Emerson, Fasco, Genteq, Marathon and Protech fan and blower motors in residential and light commercial HVAC systems. Motors have predrilled holes for Rheem mounting. Include capacitor and reversing plug. UL Recognized and CSA Certified.



No. 6TWK6

HP	Nameplate RPM	No. of Speeds	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Ambient	Bearings	Mfr. Model	Item No.	\$ Each
1/2 to 1/6	1075	4	115	7.0	1/2"	4 1/2"	5 1/2"	40°C	Sleeve	FDL6001A	6TWK6 ✓	124.05
1/2 to 1/6	1075	4	208-230	1.3-3.9	1/2"	4 1/2"	5 1/2"	40°C	Sleeve	FDL6000A	6TWK7 ✓	126.15
3/4 to 1/6	1075	4	115	9.1	1/2"	4 1/2"	5 1/2"	40°C	Ball	FDL6002A	6TWK8 ✓	127.65
3/4 to 1/6	1075	4	208-230	4.0	1/2"	4 1/2"	5 1/2"	40°C	Ball	FDL601A	6TWK9 ✓	129.70



Multi-HP PSC Direct-Drive/Fan Multi-Speed Motors

- NEMA frame: 48Y
($5\frac{3}{8}$ " body dia.)
- Enclosure: open air-over
- Mounting: ring/stud/band
- Service factor: 1.0
- Insulation: Class B
- Thermal protection: auto
- Shaft orientation: all-angle
- Rotation: CW/CCW
- Duty: continuous

Energy-efficient motors operate at multiple horsepower, reducing inventory needs and expense. Feature quick-change reversing plug. UL Recognized and CSA Certified.



No. 5RHT8

HP	Nameplate RPM	No. of Speeds	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Ambient	Bearings	Mfr. Model	Item No.	\$ Each
1/6 to 3/4	1075	4	115	9.1	1/2"	5"	5 1/8"	60°C	Ball	5RHT8	5RHT8 ✓	139.55
1/6 to 3/4	1075	4	208-230	4.4	1/2"	5"	5 1/8"	60°C	Ball	5RHT9	5RHT9 ✓	140.45
1/6 to 1/2	825	4	208-230	2.2	1/2"	5"	6"	60°C	Ball	5RHU0	5RHU0 ✓	140.75
1/6 to 1/2	825	4	208-230	3.3	1/2"	6"	6 1/8"	60°C	Ball	5RHU1	5RHU1 ✓	168.25



ECM Evergreen® Brushless DC Direct-Drive Fan and Blower Motors

- NEMA frame: 48
($5\frac{3}{8}$ " body dia.)
- Enclosure: open
- Mounting: band
- Service factor: 1.0
- Insulation: Class B
- Thermal protection: electronic
- Shaft orientation: horizontal
- Duty: continuous
- Speeds: 4 selectable, 1 constant low fan speed
- Quick-change voltage plug
- Reverse sensing technology

Replace PSC motors in residential or light commercial HVAC systems. Provide operating cost savings and an energy-efficient alternative to shaded pole and permanent split capacitor designs. Not suitable for replacement of variable-speed or X13 ECM motors. UL and C-UL Recognized.



No. 5XZV5

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Thermal Protection	Rotation	Ambient	Overall Length	Shaft Dia.	Shaft Length	Bearings	Mfr. Model	Item No.	\$ Each
1/6	1070	48	115/230	6.7/4.0	Electronic	CW/CCW	40°C	11 1/4"	1/2"	4 15/16"	Ball	6005	5XZV5 ✓	423.00
1	1070	48	115/230	11.0/6.7	Electronic	CW/CCW	40°C	12 3/4"	1/2"	4 15/16"	Ball	6010	5XZV6 ✓	518.00

Accessories

- Belly Band Mounting Kits, For Use With 10" Dia. Motors
- Belly Band Mounting Kits, For Use With 11" Dia. Motors
- Belly Band Mounting Kits, For Use With 12" Dia. Motors
- ECM Motor Diagnostic Tool, For Use With ECM Motors
- Replacement Control Module, 115/230VAC, For Use With Mfr. No. 5SME39HXL110
- Replacement Control Module, 115/230VAC, For Use With Mfr. No. 5SME39SXL111

24X328019-G1	6PFG4	46.85
24X328019-G2	6PFG5	51.70
24X328019-G3	6PFG6	58.30
8794700FSG01	6PFG9	111.55
RPHXL110P0133	6PFG7 ✓	261.00
RPSXL111P0134	6PFG8 ✓	347.75



ECM Evergreen® Brushless DC Motors

- NEMA frame: 48
($5\frac{3}{8}$ " body dia.)
- Enclosure: open air-over
- Mounting: band
- Service factor: 1.0
- Insulation: Class B
- Thermal protection: electronic
- Shaft orientation: horizontal
- Rotation: CCW
- Duty: continuous

More energy efficient than most PSC motors, and can be used in indoor furnace and air handler applications. Compatible with most building automation systems. UL Recognized and CSA Certified.



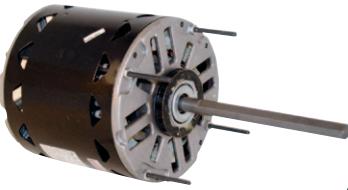
No. 12V752

HP	Nameplate RPM	No. of Speeds	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Ambient Temp.	Bearings	Mfr. Model	Item No.	\$ Each
1/6	1050	5	208-230/277	2.6	1/2"	3 15/16"	5 1/4"	-40 to 55°C	Ball	5SME39DXL227	12V752 ✓	322.50
1/6	1050	5	208-230/277	3.6	1/2"	3 15/16"	5 1/4"	-40 to 55°C	Ball	5SME39HXL228	12V753 ✓	352.75
3/4	1050	5	208-230/277	4.9	1/2"	3 15/16"	6 1/2"	-40 to 45°C	Ball	5SME39NXL229	12V754 ✓	404.75

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

69



Ring/Stud Mount



Torsion Flex Bracket Mount



Ring Mount



PSC Direct-Drive Blower/Fan Motors

- Enclosure: open air-over
 - Service factor: 1.0
 - Thermal protection: auto
 - Duty: continuous air-over
 - $\frac{1}{2}$ " shaft dia., except No. 4MB10 is $\frac{5}{8}$ " dia.

For furnace blowers and other shaft-mounted fan and blower applications. UL Recognized and CSA Certified.

HP	Nameplate RPM	No. of Speeds	Voltage	Full Load Amps	Rotation	Mounting	Ring to Ring Center	Resilient Ring Dia.	Stud Pattern	Shaft Length	Length Less Shaft	Insulation Class	Ambient	Item No.	\$ Each	Capacitor Req.
42Y Frame, 5" Body Dia., Sleeve Bearing, Century®																
1/30	1100	3	115	0.60/0.2/0.2	CW/CCW	Ring/Stud	4 9/16"	2 1/2"	3 1/4 x 3 1/4"	8"	4 15/16"	B	40°C	4MB14 ✓	162.00	2MDV4
	1625	3	115	2.1	CW/CCW	Ring	4 13/16"	2 1/2"	3 1/4 x 3 1/4"	5 1/4"	5 3/16"	B	40°C	4UY12 ✓	197.50	2MDV4
1/10	1075	3	115	1.6	CW/CCW	Ring	4 13/16"	2 1/2"	2 5/16 x 4"	5 1/4"	5 3/16"	B	40°C	4UY13 ✓	182.00	2MDV4
	1625	3	115	1.9	CW/CCW	Ring	5 1/16"	2 1/2"	3 1/4 x 3 1/4"	5 1/4"	5 7/16"	B	40°C	4UY16 ✓	213.25	2MDV4
1/8	1075	1	115	2.7	CW/CCW	Ring/Stud	4 9/16"	2 1/2"	3 1/4 x 3 1/4"	6"	4 11/16"	B	40°C	4UY16 ✓	151.75	2MDV4
	1075	3	115	2.5/1.6/1.3	CW/CCW	Ring/Stud	4 9/16"	2 1/2"	3 1/4 x 3 1/4"	6"	4 11/16"	B	40°C	4MB16 ✓	170.50	2MDV4
1/6	1625	3	115	2.4	CW/CCW	Ring	5 1/16"	2 1/2"	3 1/4 x 3 1/4"	5 1/4"	5 1/16"	B	40°C	4UY18 ✓	219.75	2MDV4
	1075	3	115	3.1	CW/CCW	Ring	5 5/16"	2 1/2"	2 5/16 x 4"	5 1/4"	5 1/16"	B	40°C	4UY19 ✓	203.75	2MDV4
	1075	1	115	3.3	CW/CCW	Ring/Stud	4 13/16"	2 1/2"	3 1/4 x 3 1/4"	5 1/4"	5 3/16"	B	40°C	4MA98 ✓	175.75	2MDV6
1/5	1075	3	115	3.2/2.2/1.7	CW/CCW	Ring/Stud	4 9/16"	2 1/2"	3 1/4 x 3 1/8"	5"	4 15/16"	B	40°C	4MB18 ✓	182.25	2MDV6
	1075	3	115	3.2/2.2/1.7	CW/CCW	Ring	4 9/16"	2 1/2"	4 7/16"	5"	4 15/16"	B	40°C	4KA43 ✓	153.00	2MDV6
	1075	3	230	1.3/0.9/0.7	CW/CCW	Ring/Stud	4 9/16"	2 1/2"	3 1/4 x 3 1/8"	5"	4 15/16"	B	40°C	4MB20 ✓	184.50	2MDV6
	1075	3	230	1.3/0.7/0.9	CW/CCW	Ring	4 9/16"	2 1/2"	4 7/16"	5"	4 15/16"	B	40°C	4KA44 ✓	166.00	2MDV6
1/4	1625	3	115	4.0	CW/CCW	Ring	5 1/16"	2 1/2"	3 1/4 x 3 1/4"	5 1/4"	6 1/16"	B	40°C	4UY20 ✓	226.25	2MDV6
	1075	3	115	4.7	CW/CCW	Ring/Stud	4 13/16"	2 1/2"	3 1/4 x 3 1/8"	4 1/8"	5 5/16"	B	40°C	4MB22 ✓	196.50	2MDV4
	1075	3	115	4.8	CW/CCW	Ring	5 1/16"	2 1/2"	2 5/16 x 4"	5 1/4"	6 3/16"	B	40°C	4UY21 ✓	211.75	2MDV6
	1075	3	230	2.0	CW/CCW	Ring	5 1/16"	2 1/2"	2 5/16 x 4"	5 1/4"	5 1/16"	B	40°C	4UY23 ✓	219.75	2MDV4
1/3	1075	3	115	6.3	CW/CCW	Ring/Stud	4 13/16"	2 1/4"	3 1/8 x 3 1/8"	4 1/8"	5 3/16"	B	40°C	4MB24 ✓	201.00	2MDV4
	1075	3	115	6.3	CW/CCW	Ring/Stud	4 13/16"	2 1/4"	3 1/8 x 3 1/8"	4 1/8"	5 3/16"	B	40°C	4MB26 ✓	212.00	2MDV9
48 Frame, 5 5/8" Body Dia., Ball Bearing, Genteq																
1/6	1075	4	277/230	0.78	CW/CCW	Ring/Stud/Band	4 9/16"	2 1/4"	5 3/16 x 5 3/16"	6 1/2"	4 13/16"	B	40°C	13G399 ✓	196.75	Included
	1075	3	115	3.6	CW/CCW	Ring/Stud/Band	5 1/8"	2 1/4"	19 3/16 x 5 3/16"	6 1/2"	5 3/16"	B	40°C	13G414 ✓	166.75	Included
1/4	1075	3	208-230	1.7	CW/CCW	Ring/Stud/Band	5 1/8"	2 1/2"	23 3/16 x 5 3/16"	6 1/2"	5 3/16"	B	40°C	13G418 ✓	178.50	Included
	1075	4	277/230	1.1	CW/CCW	Ring/Stud/Band	5 1/8"	2 1/4"	6 3/16 x 5 3/16"	6 1/2"	5 3/16"	B	40°C	13G401 ✓	201.00	Included
	1075	3	460	1.1	CW/CCW	Ring/Stud/Band	5 1/8"	2 1/4"	10 3/16 x 5 3/16"	6 1/2"	5 3/16"	B	40°C	13G405 ✓	237.00	Included
1/3	1075	3	115	4.7	CW/CCW	Ring/Stud/Band	5 1/8"	2 1/4"	20 3/16 x 5 3/16"	6 1/2"	5 3/16"	B	40°C	13G415 ✓	184.00	Included
	1075	3	208-230	2.5	CW/CCW	Ring/Stud/Band	5 1/8"	2 1/4"	24 3/16 x 5 3/16"	6 1/2"	5 3/16"	B	40°C	13G419 ✓	187.25	Included
	1075	4	277/230	0.87	CW/CCW	Ring/Stud/Band	5 1/8"	2 1/4"	7 3/16 x 5 3/16"	6 1/2"	5 3/16"	B	40°C	13G402 ✓	227.00	Included
	1075	3	460	1.6	CW/CCW	Ring/Stud/Band	5 1/8"	2 1/4"	11 3/16 x 5 3/16"	6 1/2"	6 3/16"	B	40°C	13G406 ✓	271.50	Included
1/2	1075	3	115	8.6	CW/CCW	Ring/Stud/Band	6 3/8"	2 1/4"	21 3/16 x 5 3/16"	6 1/2"	6 3/16"	B	40°C	13G416 ✓	218.25	Included
	1075	3	208-230	3.8	CW/CCW	Ring/Stud/Band	6 3/8"	2 1/4"	25 3/16 x 5 3/16"	6 1/2"	6 3/16"	B	40°C	13G420 ✓	221.50	Included
	1075	4	277/230	3.1	CW/CCW	Ring/Stud/Band	6 3/8"	2 1/4"	8 9/16 x 5 3/16"	6 1/2"	6 3/16"	B	40°C	13G403 ✓	262.50	Included
3/4	1075	2	115	10.0	CW/CCW	Ring/Stud/Band	6 3/8"	2 1/4"	22 3/16 x 5 3/16"	6 1/2"	6 3/16"	B	40°C	13G417 ✓	269.75	Included
	1075	3	460	2.1	CW/CCW	Ring/Stud/Band	6 3/8"	2 1/4"	12 3/16 x 5 3/16"	6 1/2"	6 3/16"	B	60°C	13G407 ✓	323.00	Included
	1075	3	208-230	4.5	CW/CCW	Ring/Stud/Band	6 3/8"	2 1/4"	26 3/16 x 5 3/16"	6 1/2"	6 3/16"	B	40°C	13G421 ✓	273.00	Included
	1075	4	277/230	3.6	CW/CCW	Ring/Stud/Band	6 3/8"	2 1/4"	9 9/16 x 5 3/16"	6 1/2"	6 3/16"	B	40°C	13G404 ✓	316.00	Included
48Y Frame, 5 5/8" Body Dia., Sleeve Bearing, Century®																
1/8	1550	1	115/208-230	2.7/1.2-1.4	CCWLE	Ring	4 11/16"	2 1/4"	—	4"	5 1/8"	B	40°C	4UU84 ✓	140.15	Included
	1050	1	115	2.4	CCWLE	Ring	4 13/16"	2 1/2"	3 3/8 x 3 3/8"	4 1/16"	5 3/8"	A	40°C	4UU71 ✓	147.05	Included
1/4	1550	1	115/208-230	2.8/1.4-1.4	CCWLE	Ring	4 1/16"	2 1/4"	—	4"	4 7/8"	B	40°C	4UU66 ✓	153.00	2MDV7
	1075	1	208-230	0.95	CW/CCW	Ring	4 1/4"	2 1/4"	3 3/8 x 3 3/8"	5"	4 3/4"	B	60°C	4HC14 ✓	187.75	2MDV4
1/3	1075	3	115	2.5	CW/CCW	Ring	4 13/16"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	4 7/8"	B	50°C	4MB30 ✓	179.00	2MDV6
	1075	3	115	2.7	CW/CCW	Torsion Flex Bracket	—	—	—	5 1/2"	4 1/4"	B	40°C	4MB50 ✓	161.75	2MDV4
	1050	1	115/208-230	3.3/1.5-1.7	CCWLE	Ring	4 9/16"	2 1/4"	11 1/16 x 1 1/16"	3 1/2"	4 3/8"	B	40°C	2CDU1 ✓	163.00	2MDV4
	1625	3	115	3.0	CW/CCW	Ring/Stud	4 13/16"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	5 3/8"	A	40°C	4MA80 ✓	197.50	2MDV7
	1625	3	208-230	1.8	CW/CCW	Ring/Stud	4 13/16"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	5 3/8"	A	40°C	4MA82 ✓	207.25	2MDV4
1/2	1550	1	115/208-230	4.9/2.5-2.5	CCWLE	Ring	5 1/16"	2 1/4"	—	4"	5 1/2"	B	40°C	4UU68 ✓	165.00	2MDV3
	1075	1	115	3.6	CCWSE	Ring	4 11/16"	2 1/4"	2 9/16 x 4 7/16"	2 1/2"	5 1/2"	B	40°C	4UU86 ✓	156.25	Included
	1075	1	208-230	1.5	CW/CCW	Ring	4 9/16"	2 1/4"	3 3/8 x 3 3/8"	5"	5"	B	60°C	5ELK6 ✓	172.25	2MDV4
	1075	3	208-230	1.4	CW/CCW	Torsion Flex Bracket	—	—	—	6"	4 1/8"	B	50°C	4MB52 ✓	165.50	2MDV4
	1075	4	115	3.9	CW/CCW	Torsion Flex Bracket	—	—	—	11 1/16 x 1 1/16"	5 1/2"	B	50°C	2CDT9 ✓	153.00	2MDV4
	1050	1	115/208-230	4.4/2.0-2.2	CCWLE	Ring	4 5/16"	2 1/2"	—	3 3/8"	5 5/16"	B	40°C	2WC7 ✓	159.00	2MDV4
	1050	4	115	3.2/2.5/2.0/1.6	CCWLE	Ring	4 13/16"	2 1/2"	11 1/16 x 1 1/16"	6 1/6"	5 5/16"	B	40°C	2MVR3 ✓	196.75	2MDV4
	1625	3	115	4.0	CW/CCW	Ring/Stud	5 1/16"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	5 5/16"	A	40°C	4MA84 ✓	196.00	2MDV9
	1625	3	208-230	2.0	CW/CCW	Ring/Stud	5 1/8"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	5 5/16"	A	50°C	4MA86 ✓	218.75	2MDV4
1/3	1075	3	115	4.2	CW/CCW	Ring/Stud	5 1/8"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	5 5/16"	A	50°C	4MA66 ✓	151.50	2MDV6
	1075	3	208-230	2.7	CW/CCW	Torsion Flex Bracket	—	—	—	6"	4 1/8"	B	50°C	4MB54 ✓	167.00	2MDV6
	1075	3	208-230	2.1	CW/CCW	Ring/Stud	5 1/8"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	5 5/16"	A	50°C	4MA68 ✓	165.75	2MDV4
	1075	3	115	4.9	CW/CCW	Ring	5 1/8"	2 1/4"	2 9/16 x 4 7/16"	5"	5 1/2"	B	40°C	4UU88 ✓	182.25	2MDV6
	1075	4	115	5.6	CW/CCW	Torsion Flex Bracket	—	—	—	5 1/2"	4 19/16"	B	40°C	2FGP7 ✓	151.50	2MDV4
	1625	3	115	7.6	CW/CCW	Ring/Stud	5 1/16"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	6 1/8"	A	40°C	4MA88 ✓	225.00	2MDV9
	1625	3	208-230	2.8	CW/CCW	Ring/Stud	5 1/16"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	6 1/8"	A	40°C	4MA90 ✓	231.75	2MDV6
1/2	1075	3	115	5.6	CW/CCW	Ring/Stud	5 1/16"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	6 1/8"	A	50°C	4MA70 ✓	169.00	2MDV7
	1075	3	208-230	3.4	CW/CCW	Torsion Flex Bracket	—	—	—	6"	4 1/8"	B	50°C	4MB56 ✓	190.00	2MDV7
	1075	3	208-230	2.7	CW/CCW	Ring/Stud	5 1/16"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	6 1/8"	A	50°C	4MA72 ✓	185.25	2MDV6
	1075	4	115	8.9/5.9/4.2/3.2	CW/CCW	Torsion Flex Bracket	—	—	—	5 1/2"	5 1/16"	B	40°C	2FG1 ✓	173.50	2MDV6
	1625	3	115	8.5	CW/CCW	Ring/Stud	6 3/16"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	6 5/16"	A	40°C	4MA92 ✓	259.50	2MDV9
	1625	3	208-230	4.0	CW/CCW	Ring/Stud	6 3/16"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	6 5/16"	A	40°C	4MA94 ✓	264.00	2MDV6
3/4	1075	3	115	9.8	CW/CCW	Ring/Stud	6 3/16"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	6 5/16"	B	50°C	4MA74 ✓	226.00	2MDV9
	1075	3	208-230	4.9	CW/CCW	Torsion Flex Bracket	—	—	—	6"	5 5/8"	B	50°C	4MB58 ✓	234.50	2MDV7
	1075	4	115	10.9	CW/CCW	Ring/Stud	5 15/16"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	6 5/8"	A	50°C	4MA76 ✓	240.25	2MDV7
	1075	5	115	8.0	CW/CCW	Ring/Stud	6 3/16"	2 1/4"	3 3/8 x 3 3/8"	5 1/8"	6 5/8"	B	40°C	4MA40 ✓	230.75	2MDV9
56YZ Frame, 6 1/2" Body Dia., Ball Bearing, Century®																
1	1075	3	115													

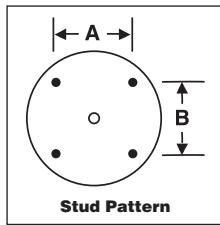
* 60/50 Hz.



PSC Direct-Drive Blower/Fan Motors

- Enclosure: continuous, open air-over
- Mounting: ring/stud/band
- Ring dia.: 2 1/4"
- Body dia.: 5 5/8"
- Service factor: 1.0
- Insulation: Class B
- Thermal protection: auto
- Bearings: sleeve, except Nos. **6AJH4**, **6AJH5**, and **3LU87** are ball
- Rotation: CW/CCW
- Stud pattern: A = 3 5/8", B = 3 5/8"

Motors have quick-reversing leads. High-efficiency models feature a typical energy savings of 10% over standard-efficiency motors. Dayton® motors include split ring adapter. Capacitor and mounting hardware sold separately on page 91. Motors are UL Recognized and CSA Certified.



No. **4M098**

HP Standard Efficiency 2-Speed	Nameplate RPM	NEMA/ IEC Frame	Voltage	Full Load Amps	Ring to Ring Center	Shaft Dia.	Shaft Length	Length Less Shaft	Ambient	Brand	Mfr. Model	Item No.	\$ Each	Capacitor Req.
	1075	48YZ	115	4.2	4 11/16"	1/2"	4"	5 1/8"	40°C	Genteq	5KCP39EGAA03BS	1YH26 ✓	108.55	2MDV4
1/4	1075	48YZ	208-230	2.0	4 11/16"	1/2"	4"	5 1/8"	40°C	Genteq	5KCP39FGM433S	1YH27 ✓	110.65	2MDV4
	1075	48Y	115	3.5	4 11/16"	1/2"	4"	5 1/8"	40°C	Century	DL001	4KA24 ✓	103.15	2MDV4
	1075	48Y	208-230	1.8	4 11/16"	1/2"	4"	5 1/8"	40°C	Century	D0002	4KA25 ✓	112.30	2MDV4
	1075	48YZ	115	6.2	4 15/16"	1/2"	4"	5 5/8"	40°C	Genteq	5KCP39HGA06AS	1YH28 ✓	112.60	2MDV4
	1075	48YZ	208-230	2.9	4 15/16"	1/2"	4"	5 5/8"	40°C	Genteq	5KCP39HGA11AT	1YH29 ✓	117.55	2MDV4
	1075	48Y	115	4.9	4 15/16"	1/2"	4"	5 5/8"	40°C	Century	DL003	4KA26 ✓	109.75	2MDV6
	1075	48Y	208-230	2.6	4 15/16"	1/2"	4"	5 5/8"	40°C	Century	D0004	4KA27 ✓	118.50	2MDV6
1/2	1075	48YZ	115	9.0	5 1/16"	1/2"	4"	6 3/8"	40°C	Genteq	5KCP39NGAA29CS	1YJA1 ✓	130.00	2MDV4
	1075	48YZ	208-230	4.3	5 11/16"	1/2"	4"	6 1/8"	40°C	Genteq	5KCP39MGAA08BS	1YJA2 ✓	133.25	2MDV4
	1075	48Y	115	6.5	5 1/16"	1/2"	4"	5 1/8"	40°C	Century	DL005	4KA28 ✓	124.60	2MDV6
	1075	48Y	208-230	3.2	5 1/16"	1/2"	4"	5 1/8"	40°C	Century	D0006	4KA29 ✓	130.40	2MDV6
3/4	1075	48YZ	115	10.3	5 15/16"	1/2"	4"	6 3/8"	40°C	Genteq	5KCP39PGN091S	1YJA3 ✓	177.50	2MDV9
	1075	48YZ	208-230	5.2	5 15/16"	1/2"	4"	6 3/8"	40°C	Genteq	5KCP39PGN092S	1YJA4 ✓	179.00	2MDV7
3-Speed	1075	48Y	115	8.9	6 3/16"	1/2"	4"	6 5/8"	50°C	Century	DL007	4KA30 ✓	182.50	2MDV9
	1075	48Y	208-230	4.0	6 3/16"	1/2"	4"	6 5/8"	40°C	Century	D0008	4KA31 ✓	185.25	2MDV7
3-Speed	1075	48YZ	115	4.2	4 11/16"	1/2"	4"	5 1/8"	40°C	Genteq	5KCP39FGZ215S	1YJA5 ✓	107.55	Included
	1075	48YZ	208-230	2.0	4 11/16"	1/2"	4"	5 1/8"	40°C	Genteq	5KCP39FGZ216S	1YJA6 ✓	110.65	Included
	1075	48Y	115	3.5	4 11/16"	1/2"	4"	5 1/8"	40°C	Century	DL1026	4KA32 ✓	99.85	2MDV4
	1075	48Y	208-230	1.8	4 11/16"	1/2"	4"	5 1/8"	40°C	Century	D1026	4KA33 ✓	111.00	2MDV4
	1075	48YZ	115	6.1	4 15/16"	1/2"	4"	5 3/8"	40°C	Genteq	5KCP39GZ217S	1YJA7 ✓	113.25	Included
	1075	48YZ	208-230	2.7	4 15/16"	1/2"	4"	5 3/8"	40°C	Genteq	5KCP39JGZ218S	1YJA8 ✓	117.00	Included
	1075	48Y	115	4.9	5 1/16"	1/2"	4"	5 1/2"	40°C	Century	DL1036	4KA34 ✓	102.40	2MDV6
	1075	48Y	208-230	2.6	4 15/16"	1/2"	4"	5 1/2"	40°C	Century	D1036	4KA35 ✓	105.75	2MDV4
	1075	48Y	115	9.0	5 15/16"	1/2"	4"	6 3/8"	40°C	Genteq	5KCP39PGZ219S	1YJA9 ✓	128.15	2MDV4
	1075	48YZ	208-230	4.3	5 15/16"	1/2"	4"	6 1/8"	40°C	Genteq	5KCP39NGZ204S	1YJB1 ✓	131.50	Included
	1075	48Y	115	6.5	5 9/16"	1/2"	4"	6"	40°C	Century	DL1056	4KA36 ✓	121.10	2MDV7
	1075	48YZ	208-230	3.2	5 7/16"	1/2"	4"	5 7/16"	40°C	Century	D1056	4KA37 ✓	130.00	2MDV6
	1075	48YZ	115	11.2	5 15/16"	1/2"	4"	6 3/8"	40°C	Genteq	5KCP39PGZ220S	1YJB2 ✓	170.00	2MDV9
	1075	48YZ	208-230	5.0	5 15/16"	1/2"	4"	6"	40°C	Genteq	5KCP39PGZ198S	1YJB3 ✓	173.25	2MDV7
	1075	48Y	115	8.9	6 3/16"	1/2"	4"	6 5/8"	50°C	Century	DL1076	4KA38 ✓	168.75	2MDV9
	1075	48Y	208-230	4.0	6 3/16"	1/2"	4"	6 5/8"	40°C	Century	D1076	4KA39 ✓	171.75	2MDV7
1	1075	48YZ	115	11.8	6 5/8"	1/2"	4"	6 7/8"	40°C	Genteq	5KCP39SGL854S	6AJH4 ✓	225.25	2MDW2
	1075	48YZ	208-230	5.59	6 5/8"	1/2"	4"	6 7/8"	40°C	Genteq	5KCP39SGL853S	6AJH5 ✓	232.75	2MDV9
MOTOR W/NO. 2MEYE7 Torsion-Flex Bracket														
MOTOR ONLY														
HP Standard Efficiency 3-Speed, Dayton	Nameplate RPM	NEMA/ IEC Frame	Voltage	Full Load Amps	Ring to Ring Center	Shaft Dia.	Shaft Length	Length Less Shaft	Ambient	Capacitor Req.	Item No.	\$ Each	Torsion-Flex Bracket Item No. \$ Each	
1/4	1075	48YZ	115	4.7	4 3/4"	1/2"	4"	5 1/8"	40°C	2MDV4	4M096 ✓	91.40	7E647 111.50	
	1075	48YZ	208-230	1.5-1.7	5 1/4"	1/2"	4"	5 1/8"	40°C	2MDV4	4M097 ✓	94.70	7E648 114.75	
	1075	48YZ	115	5.5	5 1/4"	1/2"	4"	5 1/8"	40°C	2MDV4	4M098 ✓	92.60	7E649 112.70	
	1075	48YZ	208-230	2.6-2.8	5 1/4"	1/2"	4"	5 1/8"	40°C	2MDV4	4M099 ✓	97.80	7E650 117.85	
	1075	48Y	115	11.9	6"	1/2"	4"	6 7/16"	40°C	2MDV4	4M100 ✓	111.80	7E651 131.70	
1/2	1075	48YZ	208-230	3.9-4.3	5 3/4"	1/2"	4"	6 3/8"	40°C	2MDV4	4M101 ✓	114.30	7E652 134.15	
	1075	48YZ	115	11.6	6"	1/2"	4"	6 1/8"	40°C	2MDV4	4M103 ✓	156.50	7E653 175.75	
	1075	48YZ	208-230	5.1-5.6	6"	1/2"	4"	6 7/16"	40°C	2MDV7	4M184 ✓	158.50	7E654 178.00	
	1075	48YZ	277	1.1	4 3/4"	1/2"	6"	5 3/4"	40°C	2MDV3	6GC93 ✓	153.75	7E657 173.25	
	1625	48YZ	115	3.7	5"	1/2"	6"	5 1/8"	40°C	2MDV7	3LU73 ✓	169.00	7E658 188.25	
3/4	1625	48YZ	208-230	1.6-1.8	5"	1/2"	6"	5 1/8"	40°C	2MDV4	3LU74 ✓	163.25	7E659 182.50	
	1075	48YZ	277	1.5	5 1/4"	1/2"	6"	5 1/4"	40°C	2MDV3	3M712 ✓	173.00	7E662 192.25	
	1625	48YZ	115	5.2	5 1/4"	1/2"	6"	5 1/4"	40°C	2MDV9	3LU77 ✓	171.50	7E663 197.05	
	1075	48YZ	277	2.6	5 3/4"	1/2"	6"	6 3/8"	40°C	2MDV4	3LU78 ✓	181.50	7E664 200.50	
	1625	48YZ	115	8.2	5 3/4"	1/2"	6"	6 3/8"	40°C	2MDV9	3LU81 ✓	186.75	7E666 206.00	
1	1075	48YZ	208-230	3.8-4.4	5 3/4"	1/2"	6"	6 3/8"	40°C	2MDV6	3LU82 ✓	198.25	7E669 217.25	
	1075	48YZ	277	3.0	5 3/4"	1/2"	6"	6 3/8"	40°C	2MDV5	3M714 ✓	209.75	7E672 228.75	
	1625	48YZ	115	11.3	6 1/4"	1/2"	6"	6 1/4"	40°C	2MDV9	3LU85 ✓	220.00	7E673 238.75	
	1625	48YZ	208-230	4.7-5.3	6 1/4"	1/2"	6"	6 1/4"	40°C	2MDV7	3LU86 ✓	210.50	7E674 229.50	
	1075	48YZ	277	3.7	6 1/2"	1/2"	6"	6 1/2"	40°C	2MDV9	6GC94 ✓	250.75	7E677 269.25	
1/2	1625	48YZ	115	14.0	7"	1/2"	6"	7 1/8"	40°C	2MDW2	3LU89 ✓	246.25	7E678 264.75	
	1625	48YZ	208-230	5.8-6.6	7"	1/2"	6"	7 1/8"	40°C	2MDW2	3LU90 ✓	247.50	7E679 266.00	
	1075	48YZ	277	4.4	7"	1/2"	6"	7 1/8"	40°C	2MDW4	6GC95 ✓	335.50	7E682 353.25	
	1075	48YZ	115	2.8	4 3/4"	1/2"	6"	5 3/4"	40°C	2MDV3	3LU71 ✓	133.35	7E655 153.00	
	1075	48YZ	208-230	1.1-1.2	4 3/4"	1/2"	6"	5 3/4"	40°C	2MDV4	3LU72 ✓	139.15	7E656 158.75	
1/4	1075	48Y	115	4.0	5"	1/2"	6"	5 1/8"	40°C	2MDV4	3LU75 ✓	126.35	7E660 146.10	
	1075	48YZ	208-230	1.6-1.7	5"	1/2"	6"	5 1/8"	40°C	2MDV4	3LU76 ✓	137.60	7E661 157.25	
	1075	48Y	115	6.2	5 1/2"	1/2"	6"	5 1/2"	40°C	2MDV6	3LU79 ✓	129.15	7E665 148.90	
	1075	48YZ	208-230	2.8-3.3	5 1/2"	1/2"	6"	5 1/2"	40°C	2MDV5	3LU80 ✓	141.90	7E666 161.50	
	1075	48YZ	208-230	2.6-2.9	6"	1/2"	6"	6 1/8"	40°C	2MDV6	3LU83 ✓	140.55	7E670 160.25	
1/2	1075	48YZ	115	10.8	6 1/2"	1/2"	6"	6 1/2"	40°C	2MDV6	3LU84 ✓	158.50	7E671 178.00	
	1075	48YZ	208-230	4.5-5.1	6 1/2"	1/2"	6"	6 1/2"	40°C	2MDV9	3LU87 ✓	173.50	7E675 192.75	
	1075	48YZ	115	14.7	7"	1/2"	6"	7 1/8"	40°C	2MDW2	3LU88 ✓	204.25	7E676 225.75	
	1075</th													

MOTORS

1-Phase Condenser Fan Motors



PSC Stud- and Cradle-Mount Condenser Fan Motors



- Stud pattern: $3\frac{3}{8}$ " x $3\frac{3}{8}$ ", except No. 4MB79 is $4\frac{1}{8}$ " x $4\frac{1}{8}$ "
- Body dia.: 48 frame, $5\frac{5}{8}$ "; 56 frame, $6\frac{1}{2}$ "
- Service factor: 1.0
- Insulation: Class B
- Max. ambient: 60°C
- Thermal protection: auto
- Rotation: CW/CCW
- Duty: continuous air-over

Commercial-duty motors feature higher starting torque, cooler running temperature, and reversing plug. Open air-over motors have totally enclosed shaft endshield and shell (except 460V motors). Opposite endshield is open. Shaft up/down motors have both endshields totally enclosed with removable drain plugs. Can be mounted vertically or horizontally. Shafts are double flat (90° apart). Dayton® motors feature slinger on shaft. All models are suitable for outdoor air conditioner condensers and refrigeration condensers. 2-speed models can be used on heat pumps. All motors are UL Recognized and CSA Certified.

HP	Nameplate RPM	No. of Speeds	NEMA/IEC Frame	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Bearings	Brand	Mfr. Model	Item No.	\$ Each	Capacitor Req.
Stud-Mount, Open Air-Over, Shaft Horizontal														
$\frac{1}{4}$	1625	2	48Y	460	0.9	$\frac{1}{2}$ "	6"	$5\frac{7}{8}$ "	Ball	Century	BDH1024	4MB91	✓ 294.25	Included
$\frac{1}{6}$	1075	2	48Y	460	1.2	$\frac{1}{2}$ "	6"	$6\frac{1}{2}$ "	Ball	Century	BDH1036	4MB93	✓ 361.00	Included
$\frac{1}{2}$	1625	2	48Y	460	1.4	$\frac{1}{2}$ "	6"	$6\frac{1}{4}$ "	Ball	Century	BDH1054	4MB95	✓ 362.25	Included
$\frac{3}{4}$	1075	2	48Y	460	2.2	$\frac{1}{2}$ "	6"	$6\frac{3}{8}$ "	Ball	Century	BDH1076	4MB97	✓ 364.50	Included
Stud-Mount, Open Air-Over, Shaft Up														
$\frac{1}{6}$	1075	2	48Y	208-230	0.8-0.9	$\frac{1}{2}$ "	$5\frac{5}{8}$ "	$5\frac{3}{4}$ "	Sleeve	Century	FS1016	4MB49	✓ 108.60	2MDV4
$\frac{1}{8}$	825	1	48Y	115	4.8	$\frac{1}{2}$ "	6"	$5\frac{3}{4}$ "	Ball	Century	FL1038	4MB71	✓ 178.00	2MDV6
1	1075	1	56Y	200-230/460	4.2-4.8/2.4	$\frac{5}{8}$ "	6"	$10\frac{1}{16}$ "	Ball	Century	C770	4MB79	✓ 482.75	2MDW3
Stud-Mount, Totally Enclosed Air-Over, Shaft Up/Down														
$\frac{1}{10}$	825	1	48YZ	208-230	1.1-1.2	$\frac{1}{2}$ "	6"	$4\frac{7}{8}$ "	Ball	Dayton	—	4MB23	✓ 146.05	2MDV4
$\frac{1}{8}$	825	1	48YZ	208-230	0.7-0.8	$\frac{1}{2}$ "	6"	$4\frac{7}{8}$ "	Ball	Dayton	—	4MB24	✓ 163.75	2MDV4
1	1075	1	48YZ	208-230	1.4-1.6	$\frac{1}{2}$ "	6"	$4\frac{1}{2}$ "	Ball	Dayton	—	4MB61	✓ 102.65	2MDV2
$\frac{1}{6}$	1075	2	48YZ	208-230	1.0-1.1	$\frac{1}{2}$ "	6"	$4\frac{3}{4}$ "	Ball	Dayton	—	3MB89	✓ 182.25	2MDV4
825	1	48YZ	208-230	1.0-1.1	$\frac{1}{2}$ "	6"	$4\frac{3}{4}$ "	Ball	Dayton	—	4MB25	✓ 140.35	2MDV4	
825	2	48YZ	208-230	1.1-1.2	$\frac{1}{2}$ "	6"	$5\frac{1}{4}$ "	Ball	Dayton	—	3LU93	✓ 152.75	2MDV4	
1075	1	48YZ	208-230	1.7-1.9	$\frac{1}{2}$ "	6"	$4\frac{7}{8}$ "	Ball	Dayton	—	4MB205	✓ 87.80	2MDV4	
1075	1	48YZ	460	0.8	$\frac{1}{2}$ "	6"	$5\frac{1}{4}$ "	Ball	Dayton	—	3LU94	✓ 163.25	2MDV6	
$\frac{1}{4}$	1075	2	48YZ	208-230	1.9-2.2	$\frac{1}{2}$ "	6"	$4\frac{3}{4}$ "	Ball	Dayton	—	4M060	✓ 202.25	2MDV4
825	1	48YZ	208-230	1.6-1.9	$\frac{1}{2}$ "	6"	$5\frac{1}{8}$ "	Ball	Dayton	—	4MB226	✓ 146.85	2MDV4	
825	2	48YZ	208-230	1.3-1.4	$\frac{1}{2}$ "	6"	$5\frac{5}{8}$ "	Ball	Dayton	—	3LU95	✓ 172.25	2MDV6	
1075	1	48YZ	208-230	2.5-2.8	$\frac{1}{2}$ "	$5\frac{5}{8}$ "	$5\frac{1}{4}$ "	Ball	Dayton	—	4MB206	✓ 90.10	2MDV6	
1075	1	48YZ	460	1.3	$\frac{1}{2}$ "	6"	$5\frac{3}{8}$ "	Ball	Dayton	—	3LU96	✓ 172.50	2MDV6	
$\frac{1}{3}$	1075	2	48YZ	208-230	2.1-2.3	$\frac{1}{2}$ "	6"	$5\frac{1}{4}$ "	Ball	Dayton	—	4M061	✓ 213.00	2MDV6
825	1	48YZ	208-230	1.8-2.0	$\frac{1}{2}$ "	6"	$5\frac{7}{8}$ "	Ball	Dayton	—	4MB262	✓ 162.50	2MDV7	
825	2	48YZ	208-230	1.9-2.1	$\frac{1}{2}$ "	6"	6"	Ball	Dayton	—	3LU97	✓ 175.50	2MDV6	
1075	1	48YZ	208-230	3.5-4.0	$\frac{1}{2}$ "	6"	$5\frac{1}{2}$ "	Ball	Dayton	—	4MB207	✓ 104.00	2MDV6	
$\frac{1}{2}$	1075	1	48YZ	460	2.1	$\frac{1}{2}$ "	6"	6"	Ball	Dayton	—	3LU98	✓ 190.75	2MDV7
1075	2	48YZ	208-230	3.3-3.8	$\frac{1}{2}$ "	6"	6"	Ball	Dayton	—	4M062	✓ 228.75	2MDV7	
825	1	48YZ	208-230	2.6-2.9	$\frac{1}{2}$ "	6"	$6\frac{1}{2}$ "	Ball	Dayton	—	4MB263	✓ 208.25	2MDV8	
1075	1	48YZ	208-230	5.2-5.4	$\frac{1}{2}$ "	6"	$6\frac{1}{2}$ "	Ball	Dayton	—	4MB208	✓ 134.35	2MDV7	
$\frac{3}{4}$	1075	1	48YZ	460	2.2	$\frac{1}{2}$ "	6"	$6\frac{5}{8}$ "	Ball	Dayton	—	3LU99	✓ 213.50	2MDV7
1075	2	48YZ	208-230	4.0-4.5	$\frac{1}{2}$ "	6"	$6\frac{1}{2}$ "	Ball	Dayton	—	3M769	✓ 264.25	2MDV9	
Cradle-Mount, Open Air-Over, Shaft Up														
$\frac{1}{4}$	1075	1	48YZ	208-230	2.1-2.5	$\frac{1}{2}$ "	6"	$5\frac{1}{16}$ "	Sleeve	Dayton	—	3M990	✓ 207.75	Included
1075	1	48YZ	208-230	2.2-2.4	$\frac{1}{2}$ "	6"	$6\frac{1}{16}$ "	Sleeve	Dayton	—	3M226	✓ 199.00	Included	
1625	1	48YZ	208-230	2.6-3.0	$\frac{1}{2}$ "	6"	$5\frac{1}{16}$ "	Sleeve	Dayton	—	3M265	✓ 208.25	Included	
$\frac{1}{3}$	1075	1	48YZ	208-230	2.2-2.5	$\frac{1}{2}$ "	6"	$5\frac{1}{16}$ "	Ball	Dayton	—	3M217	✓ 221.50	Included
825	1	48YZ	208-230	1.8-2.1	$\frac{1}{2}$ "	6"	$6\frac{5}{16}$ "	Ball	Dayton	—	3M224	✓ 241.75	Included	
1075	1	48YZ	230	4.0	$\frac{1}{2}$ "	6"	$6\frac{5}{16}$ "	Sleeve	Dayton	—	3M221	✓ 219.25	Included	
$\frac{1}{2}$	1075	1	48YZ	230	3.9	$\frac{1}{2}$ "	6"	$6\frac{1}{16}$ "	Ball	Dayton	—	3M994	✓ 256.50	Included
825	1	56YZ	230	3.2	$\frac{1}{2}$ "	6"	$7\frac{1}{16}$ "	Ball	Dayton	—	3M295	✓ 304.75	Included	

PSC High-Ambient Condenser Fan Motors



- Frame: 48Y (5 $\frac{5}{8}$ " body dia.)
- Service factor: 1.0
- Insulation: Class F
- Max. ambient: 70°C
- Thermal protection: auto
- Bearings: ball
- Duty: continuous air-over
- Rheem mounting holes (screws included)

HP	Nameplate RPM	No. of Speeds	Rotation	Voltage	Full Load Amps	Body Dia.	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each	Capacitor Req.
$\frac{1}{2}$	825	1	CW/CCW	208-230	2.25-2.5	$5\frac{5}{8}$ "	$\frac{1}{2}$ "	6"	$6\frac{7}{16}$ "	FE1058SF	1UMG1	✓ 192.00	2MDV7
1075	1	CW/CCW	460	3.0-3.0/1.5	$5\frac{5}{8}$ "	$\frac{1}{2}$ "	6"	$6\frac{7}{16}$ "	FEH1056SF	1UMG2	✓ 185.75	2MDV7	
1075	1	CW/CCW	208-230	3.6-4.0	$5\frac{5}{8}$ "	$\frac{1}{2}$ "	6"	$5\frac{5}{8}$ "	FE1056SF	4MB63	✓ 161.75	2MDV7	
825	1	CW/CCW	208-230	1.9-2.1	$5\frac{5}{8}$ "	$\frac{1}{2}$ "	6"	$5\frac{5}{8}$ "	FE1038SF	4MB19	✓ 175.25	2MDV6	
1075	1	CW/CCW	460	1.3	$5\frac{5}{8}$ "	$\frac{1}{2}$ "	6"	$5\frac{1}{4}$ "	FEH1036SF	4ME16	✓ 184.25	2MDV6	
825	1	CW/CCW	208-230	1.35-1.5	$5\frac{5}{8}$ "	$\frac{1}{2}$ "	6"	$5\frac{7}{16}$ "	FE1028SF	1UME9	✓ 153.50	2MDV4	
1075	1	CW/CCW	208-230	1.8-2.0	$5\frac{5}{8}$ "	$\frac{1}{2}$ "	6"	$4\frac{5}{8}$ "	FE1026SF	4MB59	✓ 126.25	2MDV4	
1075	1	CW/CCW	460	1	$5\frac{5}{8}$ "	$\frac{1}{2}$ "	6"	$4\frac{3}{4}$ "	FEH1026SF	4ME14	✓ 174.25	2MDV6	
825	1	CW/CCW	208-230	0.9-1.0	$5\frac{5}{8}$ "	$\frac{1}{2}$ "	6"	$4\frac{11}{16}$ "	FE1008SF	4MB75	✓ 160.50	2MDV4	
1075	1	CW/CCW	208-230	4.6-5.1	$5\frac{5}{8}$ "	$\frac{1}{2}$ "	6"	$5\frac{7}{8}$ "	FE1076SF	4MB65	✓ 182.00	2MDV9	
1075	1	CW/CCW	460	2.2	$5\frac{5}{8}$ "	$\frac{1}{2}$ "	6"	$6\frac{1}{8}$ "	FEH1076SF	4ME18	✓ 216.50	2MDV7	
825	1	CW/CCW	208-230	1.0-1.1	$5\frac{5}{8}$ "	$\frac{1}{2}$ "	6"	$4\frac{15}{16}$ "	FEH1018SF	1UME8	✓ 135.45	2MDV4	
1075	1	CW/CCW	208-230	1.3-1.4	$5\frac{5}{8}$ "	$\frac{1}{2}$ "	6"	$4\frac{13}{16}$ "	FE1016SF	1UME7	✓ 93.20	2MDV4	

Multi-Mount and Multi-HP PSC Condenser Fan Motors

- NEMA frame: 42 (5" body dia.)
- Enclosure: totally enclosed air-over
- Mounting: stud/band/hole
- Service factor: 1.0
- Insulation: Class B
- Max. ambient: 60°C
- Thermal protection: auto
- Duty: continuous air-over
- Bearings: ball

MultiFit®
Formerly A.O. Smith Electrical Products Company
A Grainger Company

Motors replace 4.33", 4.42", and 4.62" mounting bolt circle without having to change capacitors or follow complicated wiring diagrams. Energy-efficient PSC design with high-efficiency rating ensures performance in elevated temperatures. UL Recognized and CSA Certified.



No. 3RCR6

Multi-HP PSC Blower and Condenser Fan Motors

- NEMA frame: 48YZ (5¾" body dia.)
- Enclosure: totally enclosed air-over
- Mounting: stud/band/hole
- Service factor: 1.0
- Insulation: Class F
- Max. ambient: 70°C
- Thermal protection: auto
- Rotation: CW/CCW
- Duty: continuous air-over
- Bearings: ball

MasterFit® Pro
Formerly A.O. Smith Electrical Products Company
A Grainger Company

Have reversing lug, predrilled holes in shell for Rheem mounting, and in endshield for Rheem and Trane mounting. Use in residential and light commercial air conditioning and refrigeration condensing units. UL Recognized and CSA Certified.



No. 6TWK4

Multi-HP PSC 2-Speed Condenser Fan Motors

Dayton®

- NEMA frame: 48YZ (5¾" body dia.)
- Enclosure: totally enclosed air-over
- Mounting: stud
- Service factor: 1.0
- Insulation: Class B
- Max. ambient: 70°C
- Thermal protection: auto
- Rotation: CW/CCW
- Duty: continuous air-over
- Bearings: ball

Multiple-horsepower design eliminates the need to select speed or change capacitor size during installation. Totally enclosed construction allows all-angle mounting. Energy-efficient PSC design with high-efficiency rating ensures performance in elevated temperatures. Feature quick-change reversing plug. UL Recognized and CSA Certified.



No. 5RHU2

HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each	Capacitor Req.
1/2, 1/6	1075	208-230	1.8	5/8"	5"	5 1/4"	FE6000F	6TWK5	✓ 100.50	2MDV4
	825	208-230	1.9	5/8"	6"	5 1/4"	FE6001F	6TWK4	✓ 128.85	2MDV6



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Receive repairs or replacement of your covered product for up to two years beyond the Grainger one-year warranty for covered failures.

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MOTORS

Condenser Fan Motors



No.
24PR70



No.
24PR76

High-Ambient Condenser Fan Motors

Dayton

- NEMA frame: 56Y (5½" body dia.)
- Enclosure: open air-over
- Mounting: band
- Service factor: 1.0, except Nos. 24PR73 and 24PR79 are 1.15
- Insulation: Class F
- Max. ambient: 70°C, except Nos. 24PR70, 24PR76, and 24PR79 are 60°C

- Thermal protection: thermostats
 - Bearings: ball
 - Rotation: CW/CCW
 - Duty: continuous air-over
- Rugged design and features inverter-duty windings. Suitable for use in commercial air conditioners. Flat shaft; mount with shaft up. UL Recognized and CSA Certified.

HP	Nameplate RPM	Voltage	Full Load Amps	Insulation Class	Shaft Dia.	Shaft Length	Length Less Shaft	Bearings	Mfr. Model	Item No.	\$ Each	Capacitor Req.
1	825	208-230/460	5.2-5.2/2.6	F	5/8"	3 1/4"	12 1/2"	Ball	24PR70	24PR70	530.50	Included
	850	208-230/460	5.0-5.0/2.5	F	5/8"	6"	10 3/4"	Ball	24PR71	24PR71	530.50	Included
	1140	208-230/460	4.3-4.3/2.1	F	5/8"	6"	9 3/4"	Ball	24PR72	24PR72	391.50	Included
1 1/2	850	208-230/460	7.2-7.2/3.6	F	5/8"	3 1/2"	12 1/4"	Ball	24PR73	24PR73	530.50	Included
	1140	208-230/460	5.3-5.3/2.6	F	5/8"	6"	10 1/4"	Ball	24PR74	24PR74	430.50	Included
2	1140	208-230/460	7.8-7.8/3.9	F	5/8"	6"	11 1/4"	Ball	24PR75	24PR75	469.75	Included
1/2	575	230/460	3.1/1.6	F	5/8"	3 1/2"	10 3/4"	Ball	24PR76	24PR76	577.50	Included
1	850	208-230/460	5.0-5.0/2.5	F	5/8"	6"	10 3/4"	Ball	24PR77	24PR77	540.00	Included
	1140	208-230/460	4.3-4.3/2.1	F	5/8"	6"	9 3/4"	Ball	24PR78	24PR78	399.25	Included
1 1/2	850	208-230/460	7.2-7.2/3.6	F	5/8"	3 1/2"	12 1/4"	Ball	24PR79	24PR79	611.50	Included
	1140	208-230/460	5.3-5.3/2.6	F	5/8"	6"	10 3/4"	Ball	24PR80	24PR80	439.25	Included
2	1140	208-230/460	7.8-7.8/3.9	F	5/8"	6"	11 1/4"	Ball	24PR81	24PR81	474.50	Included



No. 4MA25

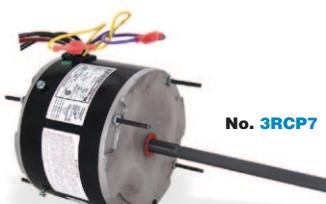
PSC Ring-, Stud-, and Cradle-Mount Condenser Fan Motors

Century
Formerly A.O. Smith Electrical Products Company
A Regal Beloit Company

- NEMA frame: 56Y (6½" body dia.), 48Y (5½" body dia.)
- Service factor: 1.0
- Insulation: Class B
- Thermal protection: auto
- Bearings: ball
- Rotation: CW/CCW
- Shaft: ½" dia. have double flat; 5/8" dia. have flat and keyway

Multipurpose mounting in cradle, band, or by thru-bolt extensions. Mounting vertical shaft position only, except Nos. 4MA46, 4MA48, and 4MA33 are all-angle shaft position. For 5-ton and larger commercial outdoor condensers. Also used for commercial and industrial coolers, and other shaft-mounted fan and blower equipment. UL Recognized and CSA Certified.

HP	Nameplate RPM	NEMA/ IEC Frame	Mounting	Voltage	Full Load Amps	Ring to Ring Center	Resilient Ring Dia.	Stud Pattern	Shaft Dia.	Shaft Length	Ambient	Mfr. Model	Item No.	\$ Each	Capacitor Req.	
Open Air-Over	1075	56Y	Ring/Stud	200-230/460	2.6-2.5/1.25	9 13/16"	2 1/2"	4 1/4" x 4 1/8"	5/8"	6"	60°C	C513V1	4MA37	✓	343.00	2MDV7
	850	56Y	Ring/Stud	200-230/460	3.5-3.4/1.7	10 5/8"	2 1/2"	4 1/4" x 4 1/8"	5/8"	6"	60°C	C512V1	4MA25	✓	384.25	2MDV9
	850	56Y	Ring/Stud	115/208-230	6.6/4.0-3.3	10 19/16"	2 1/2"	4 1/4" x 4 1/8"	5/8"	6"	60°C	C784	4MA39	✓	414.00	2MDV9
3/4	1075	48Y	Cradle/Stud	208-230/460	5.0-5.0/2.5	8 5/16"	2 1/4"	3 3/8" x 3 5/8"	1/2"	5"	60°C	FB1076V1	4MA35	✓	274.75	Included
	1075	56Y	Ring/Stud	200-230/460	4.0-3.8/1.9	9 13/16"	2 1/2"	4 1/4" x 4 1/8"	5/8"	6"	60°C	C661V1	4MA41	✓	365.50	2MDV9
1	825	56Y	Ring/Stud	200-230/460	5.3-5.2/2.6	10 19/16"	2 1/2"	4 1/4" x 4 1/8"	5/8"	6"	60°C	C660V1	4MA43	✓	449.00	2MDV9
	1075	56Y	Ring/Stud	200-230/460	4.8-4.8/2.4	10 5/16"	2 1/2"	4 1/4" x 4 1/8"	5/8"	6"	60°C	C770V1	4MA27	✓	403.50	2MDW3
Totally Enclosed Air-Over	1075	56Y	Ring/Stud	200-230/460	5.0-5.0/2.5	9 5/8"	2 1/2"	4 1/4" x 4 1/8"	5/8"	6"	60°C	FY1106V1	4MA45	✓	404.75	2MDW2
	1075	48Y	Cradle/Stud	208-230/460	2.4-2.4/1.2	8 5/8"	2 1/4"	3 3/8" x 3 5/8"	1/2"	5"	40°C	FB1056TE	4MA29	✓	265.00	Included
1/2	1075	48Y	Ring/Stud	208-230/460	2.4-2.4/1.2	6 3/16"	2 1/2"	3 3/8" x 3 5/8"	1/2"	5 1/2"	60°C	FEH1056D	4MA46	✓	236.25	2MDV7
3/4	1075	48Y	Ring/Stud	208-230/460	3.4-3.4/1.7	6 11/16"	2 1/2"	3 3/8" x 3 5/8"	1/2"	5 1/2"	60°C	FEH1076D	4MA48	✓	244.25	2MDV7
1	1075	56Y	Cradle/Stud	208-230/460	4.2-4.2/2.3	11"	2 1/2"	4 1/4" x 4 1/8"	5/8"	6"	40°C	FB1106TE	4MA31	✓	414.25	Included
1 1/2	1075	56Y	Cradle/Stud	208-230/460	6.6-6.6/3.3	11 5/8"	2 1/2"	4 1/4" x 4 1/8"	5/8"	6"	40°C	FB1156TE	4MA43	✓	419.50	Included
1 1/2	1075	56Y	Ring/Stud	208-230/460	6.6-6.6/3.3	10 19/16"	2 1/2"	4 1/4" x 4 1/8"	5/8"	6"	40°C	C786	4MA52	✓	392.75	2MDW3



No. 3RCP7

Multi-HP PSC Single-Speed Condenser Fan Motors

4-in-1® Century
Formerly A.O. Smith Electrical Products Company
A Regal Beloit Company

- NEMA frame: 48 (5½" body dia.)
- Enclosure: totally enclosed air-over
- Mounting: stud/band/hole
- Service factor: 1.0
- Thermal protection: auto
- Duty: continuous air-over
- Rheem mounting holes

Multiple-horsepower design eliminates the need to select speed or change capacitor size during installation. Totally enclosed construction allows all-angle mounting. Energy-efficient PSC design with high-efficiency rating ensures performance in elevated temperatures. Feature quick-change rotation reversal plugs and drain plugs. Nos. 3RCR1 through 3RCR4 are designed for high ambient temperature applications. All models are UL Recognized and CSA Certified.

HP	Nameplate RPM	Voltage	Full Load Amps	Insulation Class	Shaft Dia.	Shaft Length	Length Less Shaft	Bearings	Mfr. Model	Item No.	\$ Each	Capacitor Req.	
1/5 to 1/8	1075	208-230	0.7-0.8	F	1/2"	6 1/2"	4 1/4"	Sleeve	ORM5454F	5DVX3	✓	117.25	2MDV4
	1075	208-230	0.7-0.8	F	1/2"	6 1/2"	5 1/4"	Ball	ORM5454BF	5DVX6	✓	126.80	2MDV4
	825	208-230	0.7-0.8	F	1/2"	6 1/2"	4 1/4"	Sleeve	ORM5484F	5DVX2	✓	137.60	2MDV4
1/8 to 1/3	825	208-230	0.7-0.8	F	1/2"	6 1/2"	4 1/4"	Ball	ORM5484BF	5DVX4	✓	145.90	2MDV4
	825	208-230	2.1	B	1/2"	6 1/2"	4 7/8"	Sleeve	ORM5488	3RCP8	✓	164.75	2MDV6
1/6 to 1/3	825	208-230	2.1	F	1/2"	6"	5 3/8"	Sleeve	ORM5488F	3RCR3	✓	173.75	2MDV6
	825	208-230	2.1	F	1/2"	6"	5 3/8"	Ball	ORM5488BF	3RCR4	✓	185.00	2MDV6
1/6 to 1/3	460	208-230	1	F	1/2"	6 1/2"	5 1/4"	Ball	ORM4688BF	5DVX5	✓	302.00	2MDV6
	1075	208-230	2	B	1/2"	6 1/2"	4 1/8"	Sleeve	ORM5458	2CDT8	✓	158.00	2MDV6
1/6 to 1/3	1075	208-230	2	B	1/2"	6 1/2"	4 1/8"	Ball	ORM5458B	3RCP7	✓	134.45	2MDV6
	1075	208-230	2.1	F	1/2"	6"	4 5/8"	Sleeve	ORM5458F	3RCR1	✓	129.70	2MDV6
1/2 to 1/3	1075	208-230	2.1	F	1/2"	6"	4 5/8"	Ball	ORM5458BF	3RCR2	✓	140.90	2MDV6
	1075	208-230	1.2	F	1/2"	6 1/2"	4 7/8"	Ball	ORM4658BF	5DVX7	✓	242.25	2MDV6
1/2 to 1/3	825	208-230	2.1	B	1/2"	6 1/2"	4 7/8"	Ball	ORM5488B	3RCP9	✓	176.00	2MDV6
	1075	208-230	3.6	F	1/2"	5 1/2"	5 3/8"	Ball	ORM5459BF	16A115	✓	162.75	Included
1/2 to 1/3	1075	208-230	1.5	F	1/2"	5 1/2"	5 3/8"	Ball	ORM4659BF	16A116	✓	309.75	Included
	825	208-230	2.5	F	1/2"	5 1/2"	6 5/8"	Ball	ORM5489BF	16A114	✓	207.00	Included



HeatMaster®

OEM PSC Fan Canopy Condenser Fan Motors

- Frame: 48Y (5 $\frac{1}{8}$ " body dia.)
- Enclosure: open air-over
- Mounting: band
- Service factor: 1.0
- Insulation: Class F
- Max. ambient: 70°C
- Thermal protection: auto
- Bearings: ball
- Rotation: CW/CCW
- Speeds: 1
- Duty: continuous air-over

Provide a high-ambient alternative to OEM motors in commercial condenser fan applications. Energy-efficient design with ultrahigh torque ensures performance in elevated temperatures. High-efficiency rating increases motor life. Vertical shaft-up only with reversible design supports application flexibility. UL Recognized and CSA Certified.

No.
3RCT1

HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each	Capacitor Req.
5/8	1075	200-230/460	4.0/2.0	5/8"	4 $\frac{1}{16}$ "	8 $\frac{1}{2}$ "	FC1066AF	3RCT1 ✓	283.25	2MDV7
7/8	1075	200-230/460	4.6/2.3	1/2"	4 $\frac{1}{16}$ "	10 $\frac{1}{16}$ "	FC1086F	3RCT2 ✓	397.50	2MDW2
7/8	1075	200-230/460	4.6/2.3	5/8"	4 $\frac{3}{16}$ "	10 $\frac{1}{16}$ "	FC1086AF	3RCT3 ✓	397.50	2MDW2
1	1075	200-230/460	6.4/3.2	5/8"	4 $\frac{1}{16}$ "	10 $\frac{1}{16}$ "	FC1106F	3RCT4 ✓	475.50	2MDW3
1 $\frac{1}{2}$	1075	200-230/460	7.0/3.5	5/8"	4 $\frac{1}{16}$ "	11 $\frac{1}{16}$ "	FC1156F	3RCT5 ✓	526.50	2MDW3

**Heat Shield™ PSC Condenser Fan Motors**

- Enclosure: totally enclosed air-over
- Stud pattern: 3 $\frac{1}{8}$ " x 3 $\frac{1}{8}$ "
- Frame: 48 (5 $\frac{1}{8}$ " body dia.)
- Service factor: 1.0
- Insulation: Class B
- Max. ambient: 70°C
- Thermal protection: auto
- Bearings: ball
- Rotation: CW/CCW
- Duty: continuous air-over

UL Recognized and CSA Certified.

HIGH-AMBIENT HEAT SHIELD MOTORS

Design and insulation withstand higher ambient temps. throughout, to run cooler at full rated load. Quick-change rotation reversal plug. Drain plugs in each endshield. 48" leads with seal bushing. Life-Line multihorsepower models reduce inventory expense. All models are for outdoor condenser and heat pump units. Rheem mounting holes.

HEAT SHIELD MOTORS

Provide operating cost savings and an energy-efficient alternative to shaded pole and permanent split-capacitor designs. Replace PSC motors in residential or light commercial HVAC systems. Clamp screw mounting. 1/2" dia. x 6 $\frac{1}{2}$ "L.

No. **2PRA2**

HP	Nameplate RPM	No. of Speeds	Voltage	Full Load Amps	Shaft Orientation	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each	Capacitor Req.
High-Ambient Heat Shield Motors												
1/8	825	1	208-230	0.85	All Angle	1/2"	6 $\frac{1}{2}$ "	4 $\frac{5}{8}$ "	3202HS	2PRA2 ✓	147.20	2MDV4
1/8	1075	1	208-230	1	All Angle	1/2"	6 $\frac{1}{2}$ "	4 $\frac{3}{8}$ "	3726HS	2PRA3 ✓	117.55	2MDV4
1/8	825	1	208-230	0.9	All Angle	1/2"	6 $\frac{1}{2}$ "	5 $\frac{1}{8}$ "	3203HS	2PRA4 ✓	149.65	2MDV4
1/4	1075	1	208-230	1.7	All Angle	1/2"	6 $\frac{1}{2}$ "	4 $\frac{7}{8}$ "	3721HS	2PRA5 ✓	136.10	2MDV4
1/4	1075	1	460	0.7	Up/Down	1/2"	6 $\frac{1}{2}$ "	4 $\frac{7}{8}$ "	3736HS	2PRD1 ✓	180.25	2MDV6
1/4	825	1	208-230	1.3	All Angle	1/2"	6 $\frac{1}{2}$ "	5 $\frac{3}{8}$ "	3204HS	2PRA6 ✓	176.00	2MDV6
1/4	1075	1	208-230	2.6	All Angle	1/2"	6 $\frac{1}{2}$ "	5 $\frac{5}{8}$ "	3733HS	2PRA7 ✓	138.55	2MDV6
1/3	1075	1	460	1.2	Up/Down	1/2"	6 $\frac{1}{2}$ "	5 $\frac{1}{8}$ "	3737HS	2PRD2 ✓	196.25	2MDV6
1/3	825	1	208-230	1.8	All Angle	1/2"	6 $\frac{1}{2}$ "	5 $\frac{7}{8}$ "	3205HS	2PRA8 ✓	183.75	2MDV7
1/3	1075	1	208-230	3	All Angle	1/2"	6 $\frac{1}{2}$ "	6 $\frac{3}{8}$ "	3734HS	2PRA9 ✓	152.25	2MDV7
1/2	1075	1	460	1.7	Up/Down	1/2"	6 $\frac{1}{2}$ "	6 $\frac{3}{8}$ "	3738HS	2PRD3 ✓	213.25	2MDV7
1/2	825	1	208-230	2.8	All Angle	1/2"	6 $\frac{1}{2}$ "	6 $\frac{7}{8}$ "	3747HS	2PRC1 ✓	196.25	2MDW2
1/2	1075	1	208-230	4.1	All Angle	1/2"	6 $\frac{1}{2}$ "	6 $\frac{3}{8}$ "	3735HS	2PRC2 ✓	189.75	2MDV9
1/2	1075	1	460	2	Up/Down	1/2"	6 $\frac{1}{2}$ "	6 $\frac{3}{8}$ "	3739HS	2PRC4 ✓	245.75	2MDV7
High-Ambient Heat Shield Life-Line Motors												
1/6 to 1/3	825	1	208-230	1.8	All Angle	1/2"	6 $\frac{1}{2}$ "	5 $\frac{7}{8}$ "	3459HS	2PRC5 ✓	137.30	2MDV7
1/6 to 1/3	1075	1	208-230	2.6	All Angle	1/2"	6 $\frac{1}{2}$ "	5 $\frac{5}{8}$ "	3458HS	2PRC3 ✓	127.40	2MDV6
1/6 to 1/3	825	2	208-230	2.5	All Angle	1/2"	6 $\frac{1}{2}$ "	5 $\frac{5}{8}$ "	3465HS	2PRC4 ✓	132.45	2MDV4
1/6 to 1/2	1075	1	208-230	3	All Angle	1/2"	6 $\frac{1}{2}$ "	6 $\frac{3}{8}$ "	3469HS	2PRC6 ✓	142.25	2MDV6
1/6 to 1/2	825	1	208-230	2.8	All Angle	1/2"	6 $\frac{1}{2}$ "	6 $\frac{3}{8}$ "	3460HS	2PRC9 ✓	152.25	2MDV7
1/6 to 1/2	1075	2	208-230	3.1	All Angle	1/2"	6 $\frac{1}{2}$ "	6 $\frac{3}{8}$ "	3468HS	2PRC8 ✓	157.25	2MDV7
Heat Shield Motors												
1/4	1625	2	208-230	1.3	Horizontal	1/2"	6 $\frac{1}{2}$ "	4 $\frac{1}{4}$ "	3C001	10K092 ✓	238.00	5CMU2
1/4	1625	3	460	0.7	Up	1/2"	6 $\frac{1}{2}$ "	4 $\frac{1}{4}$ "	3C005	16U535	242.25	—
1/3	1625	2	208-230	1.8	Horizontal	1/2"	6 $\frac{1}{2}$ "	5"	3C002	10K093 ✓	248.50	5CMU2
1/3	1625	3	460	0.9	Up	1/2"	6 $\frac{1}{2}$ "	5"	3C006	16U536 ✓	253.75	—
1/2	1625	2	208-230	2.5	Horizontal	1/2"	6 $\frac{1}{2}$ "	5 $\frac{1}{4}$ "	3C003	10K094 ✓	267.75	5CMU4
1/2	1625	2	460	1.1	Up	1/2"	6 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	3C007	16U537 ✓	271.75	—
3/4	1625	2	208-230	3.3	Up	1/2"	6 $\frac{1}{2}$ "	6 $\frac{1}{4}$ "	3C004	16U534 ✓	241.75	—
3/4	1625	2	460	1.7	Up	1/2"	6 $\frac{1}{2}$ "	6 $\frac{1}{4}$ "	3C008	16U538 ✓	309.75	—

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

75

MOTORS

Commercial Condenser Fan Motors



No. 4MB81



No. 4ME20



Formerly A.O. Smith Electrical Products Company
A Regal Beloit Company

3-Phase Condenser Fan Motors

- NEMA frame: 56Y (6½" body dia.)
- Mounting: vertical shaft up, except Nos. 4MB89 and 4ME20 are all-angle
- Service factor: 1.0
- Insulation: Class B
- Max. ambient: 60°C
- Thermal protection: auto
- Bearings: ball
- Duty: continuous air-over

High-efficiency motors have cooler running temperature to ensure longer life performance. For 5-ton and larger commercial outdoor condensers. UL Recognized and CSA Certified.

HP	Nameplate RPM	Voltage	Full Load Amps	Mounting	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each
Open Air-Over										
½	1140	200-230/460	2.8-2.6/1.3	Stud/Band	5/8"	6"	10 5/16"	H564	4MB87 ✓	331.50
¾	1140	200-230/460	2.8-3.0/1.5	Stud/Band	5/8"	6"	10 5/16"	H567	4MB85 ✓	330.50
1	850	200-230/460	5.3-5.2/2.6	Stud/Band	5/8"	6"	10 7/8"	H667	4MB24 ✓	348.50
1½	1140	200-230/460	4.4-4.0/2.0	Band	5/8"	4 7/8"	9 9/16"	H686	4ME24 ✓	426.00
1½	1140	200-230/460	5.8-6.0/3.0	Stud/Band	5/8"	6"	10 7/8"	H767	4MB83 ✓	379.50
2	1140	200-230/460	5.8-6.0/3.0	Base	5/8"	6"	10 3/16"	H768	4ME22 ✓	400.00
Totally Enclosed Air-Over										
1	1140	200-230/460	4.2-3.8/1.9	Base	5/8"	3 1/2"	9 3/8"	H685	4ME20 ✓	365.75



No. 2XJK4



Formerly A.O. Smith Electrical Products Company
A Regal Beloit Company

3-Phase OEM Fan Canopy Condenser Fan Motors

- NEMA frame: 48Y (5 5/8" body dia.)
- Enclosure: open air-over
- Mounting: band
- Service factor: 1.0
- Insulation: Class F
- Max. ambient: 70°C
- Thermal protection: auto
- Bearings: ball
- Duty: continuous air-over

Provide a high-ambient alternative to OEM motors in commercial condenser fan applications. Energy-efficient design with ultrahigh torque ensures performance in elevated temperatures. High-efficiency rating increases motor life. Vertical shaft-up-only with reversible design supports application flexibility. UL Recognized and CSA Certified.

HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each
½	1140	200-230/460	3.0-3.0/1.5	5/8"	3 7/8"	7 13/16"	FC3056F	2XJK4 ✓	379.50
¾	1140	200-230/460	4.0-4.0/1.5	5/8"	4 1/16"	10"	FC3076F	2XJK5 ✓	363.25
1	1140	200-230/460	5.6/2.8	5/8"	4 1/16"	10"	FC3106F	3RCT6 ✓	592.50
1½	1120	200-230/460	5.8/2.9	5/8"	4 1/16"	10"	FC3156F	3RCT7 ✓	653.00



No. 16A120



Formerly A.O. Smith Electrical Products Company
A Regal Beloit Company

3-Phase High-Ambient Inverter-Duty Condenser Fan Motors

- NEMA frame: 56HZ (6 1/2" body dia.)
- Enclosure: open air-over
- Mounting: base/stud/band
- Stud pattern: 4 1/8" x 4 1/8"
- Service factor: 1.0
- Insulation: Class F
- Max. ambient: 70°C
- Thermal protection: auto
- Bearings: ball
- Duty: continuous air-over

Replace OEM motors in commercial condenser fan applications. Energy-efficient design ensures performance in elevated temperatures. 56H rigid base is easy to remove and provides mounting flexibility. 60/50 Hz. Nos. 16A120, 16A122, and 16A121 feature an innovative VCM™ (voltage change module) to ease installation and a large water slinger to help protect bearings. All models are UL Recognized and CSA Certified.

HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each
1	1140	208-230/460	4.4-4.0/2.2	5/8"	6 1/16"	10 1/8"	H1050A	16A120 ✓	420.25
	850	208-230/460	5.2-5.0/2.6	5/8"	6 1/16"	12 1/8"	H1053A	16A122 ✓	569.00
	850	208-230/460	2.6/5.2-5.0	5/8"	6"	12 1/8"	H1053B	30C524 ✓	569.00
	1140	208-230/460	5.8-5.8/2.9	5/8"	6 1/16"	11 1/2"	H1051A	16A121 ✓	463.00
1½	850	208-230/460	7.2-6.7/3.6	5/8"	6 1/16"	19"	H1054A	12J035 ✓	631.50
	850	208-230/460	3.6/6.7-7.2	5/8"	6"	12 3/4"	H1054B	30C525 ✓	648.00
2	1140	208-230/460	7.4-7.0/3.7	5/8"	6 1/16"	12 5/8"	H1052A	12J034 ✓	494.75



Ring- and Cradle-Mount Evaporative Cooler Motors

- Ring dia.: 2½"
- Service factor: 1.0, except No. **5DVX1** is 1.25 and No. **4UE50** is 1.15
- Insulation: Class B
- Max. ambient: 40°C
- Thermal protection: auto
- Bearings: ball

Designed for evaporative coolers, pumps, and other devices in high-moisture environments. Moisture-resistant features include: plated hardware and switch parts, fungus treatment, and double-dip varnish. UL Recognized and CSA Certified.

No. **5DVX1**

HP	Nameplate RPM	No. of Speeds	NEMA/IEC Frame	Rotation	Voltage	Full Load Amps	Mounting	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each
Split-Phase, Open Driproof													
1/3	1725	1	56Z	CCWLE	115	6.5	Ring	1 1/2"	7 15/16"		VB2034	2HTK3	✓ 89.25
1/2	1725	1	56Z	CCWLE	115	7.8	Ring	1 1/2"	7 15/16"		VB2054	2HTK7	✓ 112.80
3/4	1725	1	56Z	CCWLE	115	10.6	Ring	1 1/2"	7 15/16"		VB2074	2HTL2	✓ 131.00
1/3, 1/2	1725/1140	2	56Z	CCWLE	115	6.5/3.6	Ring	1 1/2"	7 15/16"		SVB2034	2HTK5	✓ 105.25
1/3, 1/2	1725/1140	2	56Z	CW/CCW	115	6.9/3.4	Cradle	1 1/2"	7 15/16"		SVB2034B	2HTK6	✓ 186.50
1/2, 1/2	1725/1140	2	56Z	CCWLE	115	8.5/4.1	Ring	1 1/2"	7 15/16"		SVB2054	2HTK9	✓ 110.20
1/2, 1/2	1725/1140	2	56Z	CCWLE	230	4.4	Ring	1 1/2"	7 15/16"		SVB2054H	2HTL1	✓ 132.45
3/4, 1/2	1725/1140	2	56Z	CCWLE	115	10.5/5.0	Ring	1 1/2"	7 15/16"		SVB2074	2HTL4	✓ 151.00
3/4, 1/2	1725/1140	2	56Z	CCWLE	230	5.6/2.8	Ring	1 1/2"	7 15/16"		SVB2074H	2HTL5	✓ 146.15
1/3	1725	1	56Z	CW/CCW	115	6.5	Cradle	1 1/2"	7 15/16"		VB2034B	2HTK4	✓ 146.95
1/2	1725	1	56Z	CW/CCW	115	7.8	Cradle	1 1/2"	7 15/16"		VB2054B	2HTK8	✓ 172.75
3/4	1725	1	56	CW/CCW	115	10.6	Cradle	5/8"	7 15/16"		VB2074B	2HTL3	✓ 233.00
3/4, 1/2	1725/1140	2	56	CW/CCW	115	9.8/6.4	Cradle	5/8"	7 15/16"		SVB2074BV1	2HTL6	✓ 285.25
Capacitor-Start, Open													
1	1725	1	56	CW/CCW	115/208-230	14.4/6.6 to 7.2	Cradle	5/8"	1 1/8"	9 7/8"	V1104BL	5DVX1	✓ 400.75
Capacitor-Start, Open Driproof													
1 1/2	1725	1	56Z	CW/CCW	115/230	15.0/7.5	Cradle	7/8"	2 1/4"	7 1/2"	V1154B	4UE51	✓ 420.75
2	1725	1	56Z	CW/CCW	115/230	18.0/9.0	Cradle	7/8"	2 1/4"	7 1/2"	V1204B	4UE50	✓ 464.00



Evaporative Cooler Motors

- Ring dia. 2 1/2"
- Enclosure: open driproof
- Service factor: 1.0
- Insulation: Class B
- Max. ambient: 40°C
- Thermal protection: auto
- Bearings: ball
- Rotation: CWSE

Epoxy paint over a layer of zinc phosphate helps prevent corrosion. For use in evaporative coolers, exhaust fans, blowers, and air conditioning equipment. UL Recognized.

No. **6AYN8**

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Ring to Ring Center	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each
Single-Speed											
1/3	1725	56Z	115	6.6	7 15/16"	1 1/2"	1 11/16"	7 7/8"	.33810S1AEC56	6AYP7	*✓ 114.05
1/2	1725	56Z	115	8.2	7 15/16"	1 1/2"	1 11/16"	7 7/8"	.50180S1AEC56	6AYP8	*✓ 126.85
3/4	1725	56Z	230	4.8	7 15/16"	1 1/2"	1 11/16"	7 7/8"	.50180S1DEC56	6AYP5	*✓ 163.25
3/4	1725	56Z	115	10.4	7 15/16"	1 1/2"	1 11/16"	7 7/8"	.75180S1AEC56	6AYP9	✓ 138.85
3/4	1725	56Z	230	5.5	7 15/16"	1 1/2"	1 11/16"	7 7/8"	.75180S1DEC56	6AYP6	✓ 183.50
2-Speed											
1/3, 1/2	1725/1140	56Z	115	6.6/3.7	7 15/16"	1 1/2"	1 11/16"	7 7/8"	.33820S1AEC56	6AYN8	*✓ 121.60
1/2, 1/2	1725/1140	56Z	115	8.2/4.6	7 15/16"	1 1/2"	1 11/16"	7 7/8"	.50820S1AEC56	6AYN9	✓ 149.15
1/2, 1/2	1725/1140	56Z	230	4.8/2.1	7 15/16"	1 1/2"	1 11/16"	7 7/8"	.50820S1DEC56	6AYP2	✓ 157.25
3/4, 1/2	1725/1140	56Z	115	10.4/5.5	7 15/16"	1 1/2"	1 11/16"	7 7/8"	.75820S1AEC56	6AYP0	✓ 185.50
3/4, 1/2	1725/1140	56Z	230	5.5/2.6	7 15/16"	1 1/2"	1 11/16"	7 7/8"	.75820S1DEC56	6AYP3	✓ 204.25
1, 1/2	1725/1140	56Z	115	12.1/7.1	8 1/8"	5/8"	1 15/16"	8 21/25"	001820S1AEC56	6AYP1	✓ 227.25
1, 1/2	1725/1140	56Z	230	6.45/3.06	8 1/8"	5/8"	1 15/16"	8 21/25"	001820S1DEC56	6AYP4	✓ 258.25

* Split-phase.



PSC Cradle/Stud-Mount Direct-Drive Motors

- Enclosure: totally enclosed air-over
- Service factor: 1.0
- Insulation: Class B
- Max. ambient: 40°C
- Thermal protection: auto
- Bearings: ball
- Duty: continuous air-over

Highly efficient motors are supplied with mounted capacitor. Terminal board on all motors. For use in exhaust fans, air circulators, and other equipment operating in dusty, dirty, noncombustible environments. UL Recognized and CSA Certified.

No. **2FGR2**

HP	Nameplate RPM	No. of Speeds	NEMA/IEC Frame	Rotation	Voltage	Full Load Amps	Ring to Ring Center	Body Dia.	Shaft Dia.	Shaft Length	Length Less Shaft	Stud Pattern	Mfr. Model	Item No.	\$ Each
1/4	1100	1	48Z	CW/CCW	115/230	4.0/2.0	6 1/8"	5 5/8"	1/8"	3 1/4"	2 1/2"	3 5/8" x 3 5/8"	C045A	2FGR2	✓ 159.00
1/4	1100	2	48Z	CW/CCW	115	3.4	7 3/16"	5 5/8"	1/2"	2 1/2"	7 5/8"	3 5/8" x 3 5/8"	C059A	4VY24	✓ 220.75
1/3	1100	1	48Z	CW/CCW	115/230	4.5/2.3	6 3/4"	5 5/8"	1/2"	3 1/4"	7 1/4"	3 3/8" x 3 3/8"	C046A	2FGP8	✓ 170.00
1/2	1100	1	48Z	CW/CCW	115/230	6.5/3.25	7 1/8"	5 5/8"	1/2"	3 1/4"	8 3/8"	3 3/8" x 3 3/8"	C047A	2FGP9	✓ 164.00
3/4	1075	1	56	CCWLE	115/230	7.3/3.7	8 7/8"	6 1/2"	5/8"	1 1/4"	9 5/16"	4 1/8" x 4 1/8"	C060	4UB77	✓ 373.00

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

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MOTORS

OEM Replacement Motors



No. 4HZ61



No. 6XWJO



No. 4YU22

Dayton®

Direct-Drive and Belt-Drive Ventilator Motors

- Max. ambient: 40°C, except 65° for No. 4YU31
- Thermal protection: auto, except for Nos. 4YU38, 4YU39, 4YU40, and 6XWJO
- Duty: continuous
- Permanent split capacitor motors include capacitor

Designed specifically as replacement motors for Dayton® ventilators. UL Recognized. Nos. 4HZ60 to 4HZ71 are also CSA Certified.

HP	Nameplate RPM	Enclosure	NEMA/ IEC Frame	Rotation	Thermal Protection	Voltage	Full Load Amps	Mounting	Shaft Dia.	Bearings	Item No.	\$ Each
Direct-Drive, Shaded Pole												
1/30	1550/1300/1050	Open	3.3	CCWSE	Auto	115	1.3/0.92/0.68	Stud	5/16"	Sleeve	4YU32	✓ 80.65
1/25	1550	Open Air-Over	3.3	CCWSE	Auto	115	1.4	Stud	5/16"	Ball	4HZ66	✓ 199.75
1/20	1550/1300/1050	Open	3.3	CCWSE	Auto	115	1.6/1.4/0.88	Stud	5/16"	Sleeve	4YU33	✓ 88.40
1/20	1550/1300/1050	Open Driproof	4.4	CCWSE	Auto	115	2/1.6/1.3	Stud	1/2"	Sleeve	1AGF8	108.70
Direct-Drive, Permanent Split Capacitor												
1/12	850	Open Air-Over	48Y	CCWSE	Auto	115	1.1	Stud	1/2"	Ball	4HZ62	✓ 220.25
	850	Open Air-Over	48Y	CCWSE	Auto	115	1.4	Stud	5/8"	Ball	4HZ64	✓ 234.50
	1725	Totally Enclosed Air-Over	48	CWLE	Auto	115	1.7	Stud	1/2"	Sleeve	4YY56	✓ 185.75
1/8	1550/1300/1050	Open Air-Over	42Y	CCWSE	Auto	115	2.6/2.3/1.4	Stud	1/2"	Ball	4YU34	✓ 158.50
	1550/1300/1050	Totally Enclosed Nonventilated	48Y	CCWSE	Auto	115	1.7/1.3/1.0	Stud	1/2"	Sleeve	1AGF9	✓ 148.95
	860	Open	48	CW/CCW	Auto	115	2.1	Stud	1/2"	Sleeve	4YU19	219.00
	1650	Open Air-Over	48Y	CCWSE	Auto	115	1.9	Stud	1/2"	Ball	4HZ60	✓ 198.00
1/6	1140	Open Air-Over	48Z	CW/CCW	Auto	115	2.2	Stud	1/2"	Ball	4YU23	✓ 209.75
	1140	Open Air-Over	48Z	CW/CCW	Auto	115	2.2	Stud	1/2"	Ball	5BE62	✓ 302.00
	850	Open Air-Over	48Y	CCWSE	Auto	115	2.3	Stud	5/8"	Ball	4HZ68	✓ 245.25
	1725	Open Air-Over	48Z	CW/CCW	Auto	115	3.4	Base/Stud	1/2"	Ball	4YU27	✓ 271.75
	1725	Open Air-Over	48Z	CW/CCW	Auto	115	3.4	Stud	1/2"	Ball	5BE52	✓ 470.25
1/4	1140	Open Air-Over	48Z	CW/CCW	Auto	115	3.2	Stud	1/2"	Ball	4YY54	✓ 241.25
	860	Open Driproof	56Z	CW/CCW	Auto	115	4.8	Cradle/Stud	5/8"	Ball	4YU20	✓ 604.50
	850	Open Air-Over	48Y	CCWSE	Auto	115	3.2	Stud	5/8"	Ball	4HZ65	✓ 349.75
	1650	Open Air-Over	48Y	CCWSE	Auto	115	4.0	Stud	1/2"	Ball	4HZ67	✓ 354.50
	1140	Open Driproof	56Z	CW/CCW	Auto	115	4.7	Cradle/Stud	5/8"	Ball	4YU24	✓ 311.25
1/3	1140	Open Air-Over	56Z	CW/CCW	Auto	115	4.7	Stud	5/8"	Ball	6TWL4	✓ 292.50
	1100	Open Air-Over	48Y	CCWSE	Auto	115	4.7	Stud	5/8"	Ball	5BE64	449.00
	860	Open Air-Over	56Z	CW/CCW	Auto	115	5.5	Cradle/Stud	5/8"	Ball	4YU21	666.50
	850	Open Air-Over	48Y	CCWSE	Auto	115	4.2	Stud	5/8"	Ball	4HZ70	✓ 392.25
	1725	Open Air-Over	48Z	CW/CCW	Auto	115/230	6.0/3.0	Base/Stud	1/2"	Ball	4YU28	✓ 308.00
	1725	Open Driproof	48Z	CW/CCW	Auto	115/230	6.0/3.0	Stud	1/2"	Ball	5BE54	✓ 415.25
1/2	1650	Open Air-Over	48Y	CCWSE	Auto	115/230	5.6/2.8	Stud	5/8"	Ball	4HZ63	✓ 413.00
	1140	Open Air-Over	56Z	CW/CCW	Auto	115/230	5.4/2.7	Stud	5/8"	Ball	5BE66	✓ 573.50
	1100	Open Air-Over	48Y	CCWSE	Auto	115/230	5.6/2.8	Stud	5/8"	Ball	4HZ61	✓ 359.50
	860	Open Air-Over	48Z	CW/CCW	Auto	115/230	6.0/3.0	Base	1/2"	Ball	4YU22	✓ 734.50
	1725	Open Air-Over	48Z	CW/CCW	Auto	115/230	7.0/3.5	Base/Stud	1/2"	Ball	4YU29	✓ 337.75
3/4	1725	Open Air-Over	48Z	CW/CCW	Auto	115/230	7.0/3.5	Stud	1/2"	Ball	5BE56	✓ 493.75
	1100	Open Air-Over	48Y	CCWSE	Auto	115/230	8.4/4.2	Stud	5/8"	Ball	4HZ71	✓ 575.50
	1140	Open Air-Over	48Z	CW/CCW	Auto	115/230	8.0/4.0	Base	1/2"	Ball	4YY55	✓ 489.00
1	1140	Open Air-Over	48Z	CW/CCW	Auto	115/230	11.4/5.7	Base/Stud	1/2"	Ball	4YU26	✓ 470.25
	1140	Open Air-Over	48Z	CW/CCW	Auto	115/230	11.4/5.7	Stud	5/8"	Ball	5BE68	✓ 583.50
Direct-Drive, Capacitor-Start												
1	1725	Open Driproof	56Z	CW/CCW	Auto	115/208-230	12.8/6.4-6.4	Stud	5/8"	Ball	5BE58	✓ 599.50
1 1/2	1725	Open Driproof	56Z	CW/CCW	Auto	115/208-230	13.2/7.2-6.6	Stud	5/8"	Ball	5BE60	✓ 626.00
Belt-Drive, Capacitor-Start												
1/4	1725	Open Driproof	48YZ	CW/CCW	Auto	115/208-230	6.2/2.8-3.1	Cradle	1/2"	Ball	1AGG1	✓ 184.75
1/6	1725	Open Driproof	48Z	CW/CCW	Auto	115/208-230	5.8/3.1-2.9	Cradle	1/2"	Ball	1AGG2	✓ 201.00
1/2	1725	Open Driproof	56	CW/CCW	Auto	115/208-230	7.2/3.6-3.6	Cradle	5/8"	Ball	1AGG3	218.75
3/4	1725	Open Driproof	56	CW/CCW	Auto	115/208-230	10.6/5.3	Cradle/Stud	5/8"	Ball	4YU35	332.50
1	1725	Open Driproof	56	CW/CCW	Auto	115/208-230	12.8/6.4-6.4	Cradle/Stud	5/8"	Ball	4YU30	✓ 484.75
1 1/2	1725	Open Driproof	56H	CW/CCW	Auto	115/208-230	13.2/7.2-6.6	Base	5/8"	Ball	4YU31	✓ 601.50
Belt-Drive, 3-Phase												
1	1725	Open Driproof	56	CW/CCW	None	208-230/460	3.4-3.4/1.7	Base	5/8"	Ball	4YU38	✓ 363.50
1 1/2	1725	Open Driproof	56H	CW/CCW	None	208-230/460	4.8-4.8/2.4	Base	5/8"	Ball	4YU39	✓ 408.50
2	1725	Open Driproof	56H	CW/CCW	None	208-230/460	6.2-6.2/3.1	Base	5/8"	Ball	4YU40	433.25
3	1755	Open Driproof	182T	CW/CCW	None	208-230/460	8.5-8.0/4.0	Base	1 1/8"	Ball	6XWJO	✓ 767.00

Motor to Ventilator Cross Reference

Motor Belt Drive	Ventilator (Used In)					Motor Direct Drive	Ventilator (Used In)					Motor Direct Drive	Ventilator (Used In)					
1AGG1	1MBE6	2RB59	2RB60	2RB61	3HFL6	—	1AGF8	2RB53	5DVP0	5DVP1	5DVP2	5DVP3	5DVR7	4YU34	4YC66	4YC67	5DVP6	5DVP7
1AGG2	1MBE7	2RB62	—	—	—	—	1AGF9	2RB86	5TK8	—	—	—	—	4YY54	4HZ49	4HZ51	—	—
1AGG3	1MBE8	2RB63	2RB64	3ATT8	3HFL7	—	4YU19	4HZ44	4HZ46	4HZ48	4HZ50	4YC68	6KWK4	4YY55	4HZ53	4HZ55	4YC77	—
4YU30	1MBE9	2TE33	3ATT9	3ATU7	3GY70	5PV07	4YU20	4HZ52	4HZ54	4YC73	—	—	—	4YY56	4YC86	—	—	—
4YU31	2TE34	3ATU5	3ATU9	3GY71	3HFL8	5PV08	4YU21	4YC76	—	—	—	—	—	5BE52	4YC88	4YC91	4YC92	4YC93
4YU35	3ATU2	3ATU4	5PV06	—	—	—	4YU22	4HZ56	4HZ58	—	—	—	—	5BE54	4YC49	4YC56	4YC90	4YC94
4YU38	3ATU1	3ATU3	3GY66	—	—	—	4YU23	4HZ36	4HZ38	4HZ42	4HZ44	5DVR9	5DVT1	5BE56	4YC57	4YC58	—	—
4YU39	3ATU6	3GY67	—	—	—	—	4YU24	5TCL1	—	—	—	—	—	5BE58	4YC51	4YC59	—	—
4YU40	3ATU8	3GY68	3GY73	—	—	—	6TWL4	4YC72	—	—	—	—	—	5BE60	4YC53	4YC61	—	—
6XWJO	2TE35	3ATV1	3GY69	3GY74	—	—	4YU26	4HZ57	4HZ59	—	—	—	—	5BE62	4YC48	4YC87	4YC89	—
						—	4YU27	4HZ37	4HZ39	4HZ41	4HZ43	2RB87	5DVT0	5BE64	4YC50	—	—	—
						—	4YU28	4YC71	5DVP8	5DVP9	4YC69	16D536	16D537	5BE66	4YC52	4YC54	4YC60	4YC62
						—	4YU29	4HZ45	4HZ47	—	—	—	—	5BE68	4YC55	4YC63	—	—
						—	4YU32	4HZ32	4HZ34	4YC64	5DVN8	5DVN9	5DVR6	—	—	—	—	—
						—	4YU33	4HZ33	4HZ35	4YC65	—	—	—	—	—	—	—	—

Dayton®

Yoke (Pedestal)-Mount Fan Motors

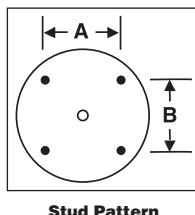
- Service factor: 1.0
- Max. ambient: 40°C
- Thermal protection: auto
- Duty: continuous air-over
- Stud pattern: A = 3 $\frac{5}{8}$ ", B = 3 $\frac{5}{8}$ "

Designed with integral yoke bracket, except Nos. 3M826 and 3M827 include yoke strap. Studs allow fan guard to be mounted directly to shaft endshield. UL Recognized and CSA Certified.

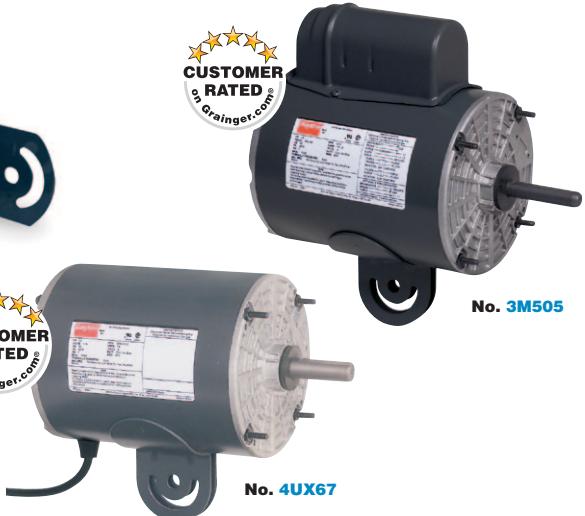
WARNING: Motor overload could result if the fan blade is not correctly matched to the motor's HP and RPM rating.



Shaded Pole



Stud Pattern



No. 3M505

No. 4UX67

HP Nameplate RPM	No. of Speeds	NEMA/ IEC Frame	Rotation	Enclosure	10 ft. Cord & Pull Chain Switch		Full Load Amps	Bearings	Body Dia.	Shaft Dia.	Shaft Length	Overall Length	Insulation Class	Item No.	\$ Each	
					Voltage	Chain Switch										
Shaded Pole																
1/16	1550	1	Nonstandard	CW	Open Air-Over	Yes	115	2.4	Sleeve	4 $\frac{3}{8}$ "	3/8"	1 $\frac{1}{4}$ "	6 $\frac{1}{8}$ "	B	3M826 ✓	164.75
	1550	2	Nonstandard	CW	Open Air-Over	Yes	115	2.4	Sleeve	4 $\frac{3}{8}$ "	3/8"	1 $\frac{1}{8}$ "	7"	B	3M827 ✓	199.50
PSC, Capacitor Included																
1/4	1075	2	48YZ	CW	Totally Enclosed Air-Over	Yes	115	3.9	Ball	5 $\frac{5}{8}$ "	1/2"	3"	10 $\frac{1}{2}$ "	B	4UX61 ✓	260.50
	1075	2	48YZ	CW	Open Air-Over	Yes	115	4.3	Ball	5 $\frac{5}{8}$ "	1/2"	3 $\frac{1}{16}$ "	10 $\frac{1}{4}$ "	B	4UX60 ✓	233.75
	1075	2	48YZ	CW/CCW	Totally Enclosed Air-Over	No	115	4	Ball	5 $\frac{5}{8}$ "	1/2"	2 $\frac{1}{2}$ "	10"	B	3M504 ✓	226.00
	1075	2	48YZ	CW	Totally Enclosed Air-Over	No	115	4	Ball	5 $\frac{5}{8}$ "	1/2"	4 $\frac{1}{4}$ "	11 $\frac{1}{8}$ "	B	4HZ13 ✓	357.00
1/3	1075	2	48YZ	CW/CCW	Totally Enclosed Air-Over	No	115	5.7	Ball	5 $\frac{5}{8}$ "	1/2"	2 $\frac{1}{2}$ "	10 $\frac{1}{8}$ "	B	3M469 ✓	242.00
	825	1	48YZ	CW/CCW	Totally Enclosed Air-Over	Yes	115	4.8	Ball	5 $\frac{5}{8}$ "	1/2"	2 $\frac{1}{4}$ "	10 $\frac{1}{8}$ "	B	4UX64 ✓	298.50
	1075	2	48YZ	CW	Totally Enclosed Air-Over	Yes	115	5.9	Ball	5 $\frac{5}{8}$ "	5/8"	3 $\frac{1}{16}$ "	11 $\frac{1}{8}$ "	B	4UX63 ✓	282.50
1/2	1075	2	48YZ	CW/CCW	Totally Enclosed Air-Over	No	115	8	Ball	5 $\frac{5}{8}$ "	5/8"	2 $\frac{1}{2}$ "	11"	B	3M505 ✓	266.50
	825	1	48YZ	CW/CCW	Totally Enclosed Air-Over	No	115	6.2	Ball	5 $\frac{5}{8}$ "	5/8"	1 $\frac{1}{8}$ "	10"	F	4UX59 ✓	281.75
PSC, Oscillating Air Circulator, Capacitor Included																
1/4	1075	2	48YZ	CW	Totally Enclosed Air-Over	Yes	115	3.5	Ball	5 $\frac{5}{8}$ "	1/2"	2 $\frac{7}{8}$ "	13 $\frac{1}{4}$ $\frac{1}{2}$ "	B	4C354 ✓	456.75
1/2	1075	2	48YZ	CW	Totally Enclosed Air-Over	Yes	115	5.9	Ball	5 $\frac{5}{8}$ "	5/8"	3 $\frac{1}{16}$ "	13 $\frac{1}{4}$ $\frac{1}{2}$ "	B	5C040 ✓	493.25
Split-Phase																
1/4	1725	1	48YZ	CW	Totally Enclosed Air-Over	Yes	115	4.1	Ball	5 $\frac{5}{8}$ "	5/8"	2"	9 $\frac{1}{8}$ "	B	4UX67 ✓	224.25
	1725	1	48YZ	CW	Open Air-Over	Yes	115	4.1	Ball	5 $\frac{5}{8}$ "	5/8"	2"	9 $\frac{1}{8}$ "	B	4UX66 ✓	226.00
	1725	1	48YZ	CW/CCW	Totally Enclosed Air-Over	No	115	4.1	Ball	5 $\frac{5}{8}$ "	5/8"	2"	9 $\frac{1}{8}$ "	B	6K406 ✓	208.25
	1725	1	48YZ	CW/CCW	Open Air-Over	No	115	4.1	Ball	5 $\frac{5}{8}$ "	5/8"	2"	9 $\frac{1}{8}$ "	B	6K403 ✓	173.75
1/3	1725	1	48YZ	CW/CCW	Open Air-Over	Yes	115	4.8	Ball	5 $\frac{5}{8}$ "	5/8"	2"	9 $\frac{1}{8}$ "	B	4UX68 ✓	266.00
	1725	1	48YZ	CW/CCW	Open Air-Over	No	115	4.8	Ball	5 $\frac{5}{8}$ "	5/8"	2"	9 $\frac{1}{8}$ "	B	6K807 ✓	199.75
	1725	1	48YZ	CW/CCW	Totally Enclosed Air-Over	No	115	4.8	Ball	5 $\frac{5}{8}$ "	5/8"	2"	9 $\frac{1}{8}$ "	B	4UX65 ✓	218.00
1/2	1725	1	48YZ	CW/CCW	Open Air-Over	Yes	115	6.4	Ball	5 $\frac{5}{8}$ "	5/8"	2"	10 $\frac{1}{8}$ "	B	6K405 ✓	224.25
	1725	1	48YZ	CW/CCW	Open Air-Over	No	115	6.4	Ball	5 $\frac{5}{8}$ "	5/8"	2"	10 $\frac{1}{8}$ "	B	6K809 ✓	284.00
	1725	1	48YZ	CW/CCW	Totally Enclosed Air-Over	No	115/230	6.4/3.2	Ball	5 $\frac{5}{8}$ "	5/8"	2"	10 $\frac{1}{8}$ "	B	6K411 ✓	290.25

^f Includes 6-ft. yellow power cord with grounded plug, and a 1-ft. yellow drop cord to connect to No. 1VCH6 rocker switch on page 4083.

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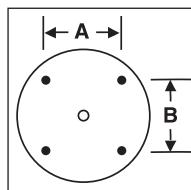
High-Efficiency PSC and 3-Phase Transformer Cooling Fan Motors

- Enclosure: totally enclosed air-over
- 60/50 Hz
- Mounting: base/stud
- Service factor: 1.0 (No. 2WCE6); 1.5 (No. 4UY24)
- Insulation: Class B
- Max. ambient: 65°C
- Thermal protection: auto
- Bearings: ball
- Rotation: CW/CCW
- Shaft orientation: all-angle
- Duty: continuous air-over
- Stud pattern: A = 3 $\frac{5}{8}$ ", B = 3 $\frac{5}{8}$ " (PSC); A = 4 $\frac{1}{8}$ ", B = 4 $\frac{1}{8}$ " (3-Phase)

Specifically designed for use on outdoor transformer cooling fans. High-efficiency motors with stainless steel shaft. Capacitor included with No. 2WCE6. Both models are UL Recognized and CSA Certified.



No. 2WCE6



Stud Pattern



No. 4UY24

HP Permanent Split Capacitor	Nameplate RPM	RPM @ 50 Hz	NEMA/ IEC Frame	Voltage	Full Load Amps	Body Dia.	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	\$ Each
1/3	1075	900	48Y	115/200-230	6.4/3.6-3.1	5 $\frac{5}{8}$ "	1/2"	2"	7 $\frac{3}{4}$ "	C723V1A	2WCE6 ✓	436.50
1/3	1140	950	56	200-230/460	1.9-1.8/0.9	6 $\frac{1}{2}$ "	5/8"	1 $\frac{1}{8}$ "	10 $\frac{5}{16}$ "	H1040	4UY24 ✓	662.00

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

79

MOTORS

Unit Heater & Oil Burner Motors



PSC Unit Heater Motors

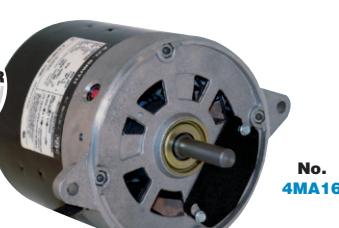
 Century®
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- Enclosure: totally enclosed air-over
- Service factor: 1.0
- Thermal protection: auto
- Rotation: CW/CCW
- Duty: continuous air-over

Use with unit heaters and other shaft-mounted fan and blower equipment in dusty, dirty, noncombustible environments. Cradle base models have 1" x $\frac{5}{16}$ " mounting slots in a $1\frac{1}{16}$ " x $3\frac{1}{2}$ " pattern. UL Recognized and CSA Certified.

Nameplate HP	RPM	Voltage	Full Load Amps	Bearings	Mounting	Ambient Temp.	Body Dia.	Shaft Dia.	Shaft Length	Length Less Shaft	Ring Dia.	Ring to Ring Center	Insulation Class	Stud Pattern	Item No.	\$ Each
1-Speed, 42Y Frame																
$\frac{1}{2}$	1550	115	1.6	Sleeve	Ring/Hole	40°C	5"	$\frac{3}{8}$ "	1 $\frac{1}{2}$ "	6 $\frac{1}{16}$ "	2 $\frac{1}{4}$ "	6 $\frac{5}{16}$ "	B	—	4UE31	✓ 294.50
$\frac{1}{2}$	1050	115	1.8	Sleeve	Ring/Hole	40°C	5"	$\frac{3}{8}$ "	1 $\frac{1}{2}$ "	6 $\frac{1}{16}$ "	2 $\frac{1}{4}$ "	6 $\frac{5}{16}$ "	B	—	4UE32	✓ 325.25
$\frac{1}{2}$	1550	208-230	0.65-0.65	Sleeve	Ring/Hole	40°C	5"	$\frac{3}{8}$ "	1 $\frac{1}{2}$ "	6 $\frac{1}{16}$ "	2 $\frac{1}{4}$ "	6 $\frac{5}{16}$ "	B	—	4UE33	✓ 303.50
$\frac{1}{2}$	1050	208-230	0.61-0.61	Sleeve	Ring/Hole	40°C	5"	$\frac{3}{8}$ "	1 $\frac{1}{2}$ "	6 $\frac{1}{16}$ "	2 $\frac{1}{4}$ "	6 $\frac{5}{16}$ "	B	—	4UE34	✓ 333.75
$\frac{1}{8}$	1075	115	2.6	Sleeve	Cradle/Stud	40°C	5"	$\frac{1}{2}$ "	2 $\frac{3}{8}$ "	4 $\frac{1}{16}$ "	2 $\frac{1}{2}$ "	4 $\frac{5}{16}$ "	A	4 $\frac{1}{16}$ " Bolt Circle	4LY82	✓ 171.25
1-Speed, 48Y Frame																
$\frac{1}{6}$	1075	115	2.8	Sleeve	Ring/Stud	40°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	2 $\frac{1}{2}$ "	5 $\frac{1}{8}$ "	2 $\frac{1}{2}$ "	4 $\frac{1}{16}$ "	B	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ ", 4 $\frac{1}{2}$ x 2 $\frac{5}{16}$ "	4HCH9	✓ 234.00
$\frac{1}{6}$	1075	115	2.8	Sleeve	Cradle/Stud	40°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	2 $\frac{1}{2}$ "	5 $\frac{1}{8}$ "	2 $\frac{1}{2}$ "	4 $\frac{1}{16}$ "	B	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ ", 4 $\frac{1}{2}$ x 2 $\frac{5}{16}$ "	4HCH1	✓ 256.00
$\frac{1}{6}$	1075	115	2.2	Ball	Stud	60°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	3 $\frac{1}{4}$ "	5 $\frac{1}{8}$ "	—	—	B	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ ", 4 $\frac{1}{2}$ x 2 $\frac{5}{16}$ "	4LY86	✓ 191.75
$\frac{1}{6}$	1075	115	2.2	Ball	Stud	60°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	3 $\frac{1}{4}$ "	5 $\frac{1}{8}$ "	5 $\frac{1}{4}$ "	—	B	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ ", 4 $\frac{1}{2}$ x 2 $\frac{5}{16}$ " SE	4LY94	✓ 155.00
$\frac{1}{6}$	1075	115	2.2	Ball	Cradle/Stud	60°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	3 $\frac{1}{4}$ "	5 $\frac{1}{8}$ "	5 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "	4 $\frac{1}{16}$ "	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ ", 4 $\frac{1}{2}$ x 2 $\frac{5}{16}$ "	4UE26	†✓ 187.25
$\frac{1}{4}$	1140	115/208-230	3.1/1.4-1.6	Ball	Cradle/Stud	60°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	5"	7 $\frac{3}{8}$ "	2 $\frac{1}{2}$ "	6 $\frac{7}{8}$ "	B	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ "	4HCH2	✓ 330.75
$\frac{1}{4}$	1075	115	4.9	Sleeve	Ring/Stud	40°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	2 $\frac{1}{2}$ "	5 $\frac{1}{8}$ "	2 $\frac{1}{2}$ "	4 $\frac{1}{16}$ "	B	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ ", 4 $\frac{1}{2}$ x 2 $\frac{5}{16}$ "	4LY84	✓ 165.75
$\frac{1}{4}$	1075	115	4.9	Ball	Ring/Stud	40°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	2 $\frac{1}{2}$ "	5 $\frac{1}{8}$ "	—	—	B	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ ", 4 $\frac{1}{2}$ x 2 $\frac{5}{16}$ "	4LY90	✓ 216.75
$\frac{1}{4}$	1075	208-230	1.8-1.8	Ball	Cradle/Stud	40°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	5"	5 $\frac{1}{8}$ "	2 $\frac{1}{2}$ "	4 $\frac{1}{16}$ "	B	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ ", 4 $\frac{1}{2}$ x 2 $\frac{5}{16}$ "	4UE27	† 220.50
$\frac{1}{3}$	1075	115	5.3	Ball	Cradle/Stud	40°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	2 $\frac{1}{2}$ "	5 $\frac{1}{8}$ "	2 $\frac{1}{2}$ "	4 $\frac{1}{16}$ "	B	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ "	4UE30	✓ 226.50
$\frac{1}{3}$	1075	115	5.3	Ball	Cradle/Stud	40°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	5"	5 $\frac{1}{8}$ "	2 $\frac{1}{2}$ "	4 $\frac{1}{16}$ "	A	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ ", 4 $\frac{1}{2}$ x 2 $\frac{5}{16}$ "	4HCH8	✓ 277.25
$\frac{1}{3}$	1075	208-230	2.2-2.2	Ball	Cradle/Stud	40°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	5"	5 $\frac{1}{8}$ "	2 $\frac{1}{2}$ "	5 $\frac{1}{16}$ "	A	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ ", 4 $\frac{1}{2}$ x 2 $\frac{5}{16}$ "	4UE28	†✓ 205.00
$\frac{1}{2}$	1140	115/208-230	5.6/2.5-2.8	Ball	Cradle/Stud	60°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	4 $\frac{1}{2}$ "	8 $\frac{3}{8}$ "	2 $\frac{1}{4}$ "	7 $\frac{7}{8}$ "	B	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ "	4UE29	†✓ 241.75
2-Speed, 48Y Frame																
$\frac{1}{3}$	1100	230	1.7	Ball	Ring/Stud	40°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	5"	6 $\frac{1}{8}$ "	2 $\frac{1}{4}$ "	5 $\frac{1}{16}$ "	B	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ "	4LY88	*✓ 249.00
$\frac{1}{3}$	1100	115	4.3	Ball	Ring/Stud	40°C	$\frac{5}{8}$ "	$\frac{1}{2}$ "	5"	6 $\frac{1}{8}$ "	2 $\frac{1}{4}$ "	5 $\frac{1}{16}$ "	B	3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ "	4LY92	* 224.25

* Includes split rings to increase ring dia. from 2 $\frac{1}{4}$ " to 2 $\frac{1}{2}$ ". † Unassembled cradle base.



No. 4MA16



No. 4MA30



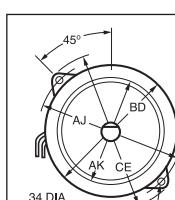
No. 4MA22

1-Phase Flange-Mount Oil Burner Motors

 Century®
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- Service factor: 1.0 (except No. 4MA22 is 1.35 and No. 4MA24 is 1.25)
- Insulation: Class B
- Max. ambient: 40°C
- Thermal protection: manual (except No. 4GZK2 is auto)

NEMA oil burner flange for direct coupling to domestic oil burners. Feature quick-change reversing terminals. Capacitor-start and PSC motors include capacitor. UL Recognized and CSA Certified.



NEMA 48M, 48N, and 56N Flange Mount Dimensions Oil Burner Motors

48M	48N, 56N
AJ	6 $\frac{3}{4}$ "
BD	7 $\frac{1}{4}$ " Max.
AK	5 $\frac{1}{2}$ "
CE	6 $\frac{3}{8}$ "
	8 $\frac{1}{4}$ " Max.

HP	Nameplate RPM	NEMA/IEC Frame	Rotation	Voltage	Full Load Amps	Motor Type	Bearings	Mfr. Model	Item No.	\$ Each
Totally Enclosed, Ventilated Flange										
$\frac{1}{7}$	3450	48M	CW	115	2.0	Split-Phase	Sleeve	EL2002V1	4MA16	✓ 88.90
$\frac{1}{7}$	3450	48M	CCWSE	115	2.88	Split-Phase	Sleeve	OBK2002	4LY96	✓ 104.65
$\frac{1}{4}$	3450	48M	CCWSE	115	1.8	PSC	Ball	OBK6002V1	4GZK2	✓ 100.90
$\frac{1}{3}$	3450	48N	CW/CCW	115	3.4	Split-Phase	Sleeve	EL2022	4MA18	✓ 120.45
$\frac{1}{3}$	3450	48N	CW/CCW	115/230	4.2/2.1	Split-Phase	Sleeve	OL2032	4MA26	✓ 166.00
$\frac{1}{3}$	1725	48N	CW/CCW	115	4.3	Split-Phase	Sleeve	OL2034	4MA20	✓ 182.00
Totally Enclosed, Non-Ventilated Flange										
$\frac{1}{3}$	1725	48N	CW/CCW	115	4.3	Split-Phase	Sleeve	EL2034	4MA30	✓ 196.25
Open Dripproof, Non-Ventilated Flange										
$\frac{1}{3}$	3450	48N	CW/CCW	115/230	4.2/2.1	Capacitor-Start	Sleeve	OL1032D	4MA22	✓ 235.50
$\frac{1}{2}$	3450	48N	CW/CCW	115/230	6.4/3.2	Capacitor-Start	Sleeve	OL1052DS	4MA24	✓ 267.50

For replacement parts, couplers, and bearing assemblies, see page 3763.



Formerly A.O. Smith Electrical Products Company

A Regal-Heil-Ort Company

1- and 3-Phase Water Circulator Motors

- Enclosure: open dripproof
- Insulation: class B
- 60 Hz
- 1725 rpm
- Ring dia.: 2½"

These exact replacement motors are fully interchangeable with specific motors on Bell & Gossett, Armstrong, Teel, and Taco brand circulator pumps. Red finish. UL Recognized and CSA Certified.



HP	NEMA/ IEC Frame	Rotation	Thermal Protection	Full Load Amps	Service Factor	Ambient	Bearings	Mounting	Bolt Circle Dia.	Ring to Ring Center	Mfr. Model	Item No.	\$ Each
Split-Phase, 115 VAC													
1/2	48YZ	CCWLE	Auto	2	1.0	50°C	Sleeve	Bracket	4½"	6 1/16"	HW20084BL	SELL6	✓ 225.00
	48YZ	COWLE	Auto	2.5	1.75	50°C	Sleeve	Ring	—	5 1/8"	HW20084L	4HV65	✓ 122.10
1/6	48Y	CW/CCW	Auto	3.1	1.0	40°C	Sleeve	Bracket	4 5/8"	5 1/16"	OBG2004	4UE22	✓ 252.75
	48Z	CCWLE	Auto	2.8	1.4	50°C	Sleeve	Ring	—	7"	HW2004L	SELL5	✓ 250.25
1/6	48Z	CWLE	Auto	3	1.35	50°C	Sleeve	Ring	—	7 1/16"	HW2014L	5DVU9	✓ 217.75
	48Z	CCWLE	Auto	3	1.35	50°C	Sleeve	Bracket	5"	6 1/16"	HW2014BL	SELL9	✓ 232.25
1/6	48Z	CWLE	Auto	3.5	1.75	50°C	Sleeve	Bracket	4 5/8"	6 1/16"	HW2014BL	SELL7	✓ 335.00
	48Z	CCWLE	Auto	3.5	1.75	50°C	Sleeve	Bracket	5"	6 1/16"	HW2014B1L	SELL8	✓ 334.00
1/4	48	CWLE	Auto	4.6	1.25	70°C	Ball	Bracket	5 1/8"	8 3/8"	HW2024BL	SELNO	✓ 604.00
	48Z	CW/CCW	Auto	3.4	1.75	50°C	Sleeve	Bracket	5"	7"	HW2024BL	5DVX0	✓ 584.00
1/3	48Z	CWLE	Auto	5.7	1.3	50°C	Ball	Bracket	5 1/8"	8 1/16"	HW2034BL	SELN1	✓ 762.00
Capacitor-Start, 115/208-230 VAC													
1/2	Y56YZ	CCWLE	Auto	5.8/2.8 to 2.9	1.5	50°C	Sleeve	Bracket	5 1/8"	9 1/16"	C249	4UE16	✓ 964.00
3/4	Y56YZ	CCWLE	Auto	8.4/4.2 to 4.2	1.5	50°C	Sleeve	Bracket	5 1/8"	9 1/16"	C250	4UE18	✓ 1,047.00
3-Phase, 208-230/460 VAC													
3/4	H56CZ	CW/CCW	None	2.7 to 2.8/1.4	1.5	50°C	Ball	Face	5 1/8"	—	H1042L	5DVU8	✓ 750.00

OEM Hot Water Circulator Motor Cross Reference

WWG	OEM Motor Found on SKU	Page 3763	Armstrong	B&G Model	B&G Model	B&G Model	B&G Model	B&G Model	B&G Model	B&G Model	B&G Model	B&G Model	B&G Model	B&G Model	
SELL7	3CFE8	817025-001	111031	111036	M10711	M10293	M10291	MOT109-6	MOT115-6	MOT300-6	MOT441-6	MOT911-6	M10294	—	
SELL8	3CFE9	817025-005	111061	M10711	M10293	M10292	—	—	—	—	—	—	—	—	
SELL6	3CFE7	805316-010	111034	M09181	M09186	MOT101-5	MOT112-5	MOT113-5	MOT132-5	MOT133-5	M09180	—	—	—	
5DVX0	3CFD8	—	111040	M10532	M95171	MBG00A-2606B	MOT102-6	MOT309-6	MOT442-6	M95172	—	—	—	—	
5ELN1	3CFE1	816141-002	111042	M80121	M80026	MOT107-6	MOT108-6	MOT323-6	MOT325-6	111043	M10740	M10800	M80028	M80033	M80058
4UE16	3CFE2	811757-001	111044	M80067	M80066	MAGOOG-5106B	M80065	MOT212-6	MOT330-6	MOT929-6	169047	—	—	—	—
4UE17	—	831001-083	111046	M80037	M80070	MAGOOG-5106B	169049	MOT246-6	MOT334-6	MOT931-6	—	—	—	—	—
4UE18	3CFE3	811757-002	111047	M80082	M80081	MAGOOG-7606B	169051	MOT259-6	MOT260-6	MOT335-6	MOT925-6	M80077	—	—	—
5DVU8	—	831012-083	111049	M80039	M80080	MAGOOG-7606B	169053	MOT236-6	MOT237-6	MOT337-6	MOT922-6	—	—	—	—
5ELN0	—	816141-001	169035	M10534	M97185	MAGOOA-2606B	169040	MOT203-6	MOT314-6	—	—	—	—	—	—
5ELN1	—	816141-002	169038	M80027	M80059	MAGOOD-3306B	169041	M80062	MOT326-6	MOT937-6	—	—	—	—	—
4UE20	—	816676-069	169090	M98551	MOT262-8	M12570	M98541	M98550	169089	—	—	—	—	—	—
4UE21	—	816678-069	169092	M98558	M98552	M98543	M98544	169091	—	—	—	—	—	—	—



Stud- and Bracket-Mount Draft Booster Motors

- Enclosure: open air-over
- Studs are 2.85" bolt center, #8-32 studs
- Body dia.: 3.3"
- Ball bearings
- Centrifugal safety switch
- Max. ambient: 40°C
- Duty: continuous air-over

Motors are required for most gas furnaces and help improve energy efficiency. Auxiliary contacts of SPST centrifugal safety switch are included and rated 120VA pilot duty. No. 1D089 also has 3 holes on 4.36" bolt circle. All models are UL Recognized and CSA Certified.



Bracket/Stud-Mount

HP	Nameplate RPM	Rotation	Thermal Protection	Voltage	Full Load Amps	Mounting	Shaft Dia.	Shaft Length	Contact Make	Contact Break	Foot- notes	Item No.	\$ Each
Shaded Pole, 60 Hz													
1/30	3000	CCW	Auto	115/230	1.3/0.65	(2) Stud	1/4"	3 3/4"	2500 rpm	800 rpm	14	1D093	✓ 167.50
1/25	3200	CW	Auto	115	1.7	(2) Stud	5/16"	1 1/4"	2500 rpm	800 rpm	—	3M895	✓ 175.25
1/20	3000	CW	Auto	115/230	2.2/1.1	(4) Stud	1/4"	3 3/4"	2500 rpm	800 rpm	14	1D092	✓ 182.25
1/15	3000	CCW	Auto	115/230	2.2/1.1	(4) Stud	1/4"	3 3/4"	2500 rpm	800 rpm	14	1D094	✓ 172.50
1/10	3000	CW	Auto	208-230	1.1/1.1	(4) Stud	1/4"	3 3/4"	2500 rpm	800 rpm	14	1D091	✓ 186.75
PSC, 60/50 Hz													
1/6	3000	CW/CCW	Auto	230	0.6	Bracket/Stud	1/4"	3 3/4"	1800 rpm	800 rpm	14	1D089	✓ 268.50

Footnotes: 14—Includes 5/16" dia. shaft bushing.

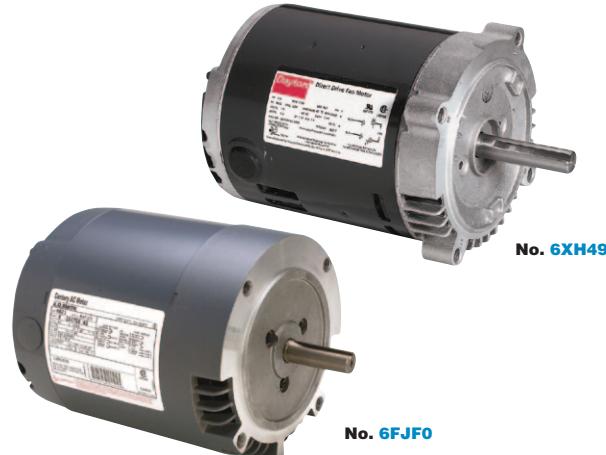
IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

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MOTORS

Face-Mount & Agitator Motors



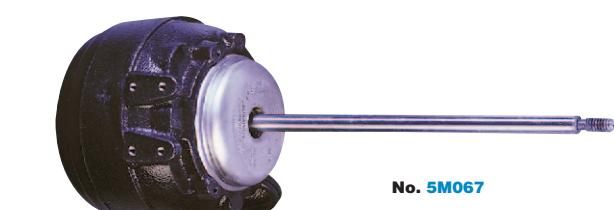
SPLIT-PHASE FACE-MOUNT MOTORS

- Enclosure: open dripproof (ODP)
- Insulation: Class B
- Max. ambient: 40°C
- Rotation: CW/CCW
- Bearings: ball

NEMA service factors up to 1.40 provide a reserve margin for applications where intermittent overloading or fluctuating (high/low) voltage conditions may occur. Provide direct replacement in many Jenn-Air® and similar commercial kitchen exhaust ventilators. Motors are compatible with 2-speed 115V switch No. 1DGZ9 sold on page 4094. For use in exhaust ventilators in commercial cooking areas and other moderate-starting torque equipment that can be directly connected to a NEMA 56CZ face-mounted motor. UL Recognized and CSA Certified.

Note: Not intended for power transmission applications.

HP	Nameplate RPM	NEMA/IEC Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Shaft Dia.	Shaft Length	Brand	Mfr. Model	Item No.	\$ Each
Single-Speed												
1/2	1140	56CZ	None	115	2.4	1.40	5/8"	2 1/16"	Dayton	—	6XH90 ✓	208.75
	850	56CZ	Auto	115	2.6	1.4	5/8"	2 3/8"	Century	F395	4MB80 ✓	344.50
	850	56CZ	None	115	2.9	1.40	5/8"	2 1/16"	Dayton	—	6XJ02 ✓	317.75
1/4	1140	56CZ	Auto	115	3.0	1.4	5/8"	2 1/4"	Century	F270	4MB60 ✓	239.75
	1140	56CZ	None	115	3.2	1.40	5/8"	2 1/8"	Dayton	—	6XJ66 ✓	228.75
	850	56CZ	None	115	4.4	1.40	5/8"	2 1/16"	Dayton	—	6XJ67 ✓	388.25
1/6	1725	56CZ	None	115	3.4	1.35	5/8"	2 1/4"	Dayton	—	6XH46 ✓	170.75
	1140	56CZ	Auto	115	3.6	1.35	5/8"	2 1/4"	Century	F271	4MB62 ✓	268.25
	1140	56CZ	None	115	3.8	1.35	5/8"	2 1/16"	Dayton	—	6XH47 ✓	254.00
	1725	56CZ	Auto	115	5.3	1.35	5/8"	2 1/4"	Century	F392	4MB68 ✓	199.75
1/4	1725	56CZ	None	115	4.9	1.35	5/8"	2 1/4"	Dayton	—	6XH49 ✓	179.50
	1140	56CZ	Auto	115	5.0	1.35	5/8"	2 1/4"	Century	F273	4MB66 ✓	344.50
	850	56CZ	Auto	115	5.0	1.35	5/8"	2 1/8"	Dayton	—	6XH44 ✓	313.25
1/8, 1/10	1725/1140	56CZ	Auto	115	5.4/2.3	1.35	5/8"	2 1/4"	Century	F262	4MB64 ✓	573.50
	1725	56CZ	Auto	115	5.9	1.35	5/8"	2 1/4"	Century	F394	4MB72 ✓	347.75
1/8	1725	56CZ	None	115	5.6	1.35	5/8"	2 1/4"	Dayton	—	6XH50 ✓	212.50
	1140	56CZ	None	115	7.4	1.35	5/8"	2 1/16"	Dayton	—	6XH51 ✓	376.00
	850	56CZ	Auto	115	8.6	1.0	5/8"	2 1/4"	Century	F276	4MB74 ✓	629.50
1/2	1725	56CZ	None	115	8.0	1.25	5/8"	2 1/16"	Dayton	—	6XH52 ✓	235.75
	1140	56CZ	None	115	8.5	1.25	5/8"	2 1/16"	Dayton	—	6XH53 ✓	435.25
2-Speed												
1/6, 1/15	1140/850	56CZ	None	115	3.8/3.0	1.35	5/8"	2 1/16"	Dayton	—	6XH54 ✓	381.50
1/4, 1/2	1725/1140	56CZ	Auto	115	5.0	1.35	5/8"	2 1/4"	Century	F393L	6FJ0 ✓	255.25
	1725/1140	56CZ	None	115	4.3/2.4	1.35	5/8"	2 1/4"	Dayton	—	6XH84 ✓	252.00
1/4, 1/10	1140/850	56CZ	None	115	4.6/3.0	1.35	5/8"	2 1/16"	Dayton	—	6XH85 ✓	464.00
1/8, 1/6	1725/1140	56CZ	None	115	5.2/3.5	1.35	5/8"	2 1/4"	Dayton	—	6XH86 ✓	314.25
1/2, 1/2	1725/1140	56CZ	None	115	7.2/3.8	1.25	5/8"	2 1/16"	Dayton	—	6XH79 ✓	384.00
	1725/1140	56CZ	Auto	115	6.8/3.8	1.25	5/8"	2 1/4"	Century	F263	4MB78 ✓	414.75



SHADED-POLE UNIT-BEARING WATER AGITATOR MOTORS



- Enclosure: totally enclosed
- Mounting: rigid foot base with vertical shaft down
- Body dia.: 3 7/8"
- Service factor: 1.0
- Max. ambient: 40°C
- Rotation: CCW, facing shaft end
- No. 5M067 has threaded shaft, No. 5M068 has 1" flat on shaft

OEM replacement motors for beverage dispensers manufactured by Cornelius, Lancer, Alco, Wilshire, Booth, K-Way, Multiplex, and Manitowoc beverage. Cast-iron construction with machined 400 Series stainless steel shaft. Eleven #8-36 mounting screws included. UL Recognized and CSA Certified.

Watts	HP	Nameplate RPM	Thermal Protection	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Insulation Class	Mfr. Model	Item No.	\$ Each
15	1/50	1500	Auto	115	0.6	5/16"	7"	A	ESP-L15EMJR1B1	5M067 ✓	145.60
15	1/50	1500	Auto	115	0.6	5/16"	5"	A	ESP-L15EMJR1B2	5M068 ✓	140.85



3.3"-Dia. SHADED-POLE VIBRATOR MOTORS



- Enclosure: open
- Mounting: strap-type
- Insulation: Class B
- Max. ambient: 40°C

Equipped with 9-ft. 3-cond. cordset and inline On/Off switch. Bracket mounting holes are 7/8" x 3" O.C.; includes bolt and nut to secure to motor. UL Recognized and CSA Certified.

HP	Force	Nameplate RPM	Thermal Protection	Vel.	Voltage	Full Load Amps	Bearings	Item No.	\$ Each
1/200	2.50 lb.	1550	Auto	1.33 in./sec.	115	0.5	Sleeve	2PUX4 ✓	49.10
1/100	5.00 lb.	1625	Auto	2.2 in./sec.	115	0.65	Ball	5FTT3 ✓	85.20
1/100	8.00 lb.	2900	Auto	7.00 in./sec.	115	0.48	Ball	10C903	52.80
Strap-Type Motor Mounting Bases								10C904	8.69

For Mounting 10C903 and 5FTT3 Vibrator Motors



SPLIT-PHASE OPEN DRIPROOF MOTORS

- Insulation: Class B, except No. 4K259 is Class F
- Max. ambient: 40°C
- Thermal protection: auto, except No. 4RGX1 has no thermal protection
- Rotation: CW/CCW

5/8"-dia. shaft bushing is supplied with all Dayton® motors having 1/2" x 1 1/2" shafts, and with all A.O. Smith 56Z frame motors. Nos. 3K384 and 3K386 are for attic fans and feature wiring connections on shaft end. Century adjustable ring-mount motors have 2 1/4"-dia. resilient rings, and come with snap rings to increase diameter to 2 1/2". For use in fans, blowers, whole-house fans, air circulators, and air coolers where a quiet running motor is required. UL Recognized and CSA Certified.

2-SPEED

Dayton® motors have quick-connect terminal board.



Cradle Mount



Adjustable Ring Mount



Base Mount

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Bearings	Mounting	Shaft Dia.	Shaft Length	Brand	Mfr. Model	Item No.	\$ Each
Single-Speed Residential													
1/4	1725	48Y	115	4.8	1.35	Sleeve	Cradle	1/2"	1 1/2"	Dayton	—	3K771	‡✓ 92.65
1/4	1725	48Y	115	6.6	1.35	Ball	Cradle	1/2"	1 1/2"	Dayton	—	6K778	‡✓ 100.70
1/4	1725	48Y	115	8.3	1.25	Sleeve	Cradle	1/2"	1 1/2"	Dayton	—	3K772	‡✓ 138.40
3/4	1725	56H	115	11.6	1.15	Ball	Cradle	5/8"	1 7/8"	Dayton	—	1D170	✓ 241.00
Single-Speed Commercial													
1/2	1140	48Z	115	2.69	1.4	Ball	Cradle	1/2"	1 1/2"	Century	BF20086V1	5DVU6	✓ 217.00
1/2	1140	48Z	115	3.0	1.4	Ball	Cradle	1/2"	2"	Century	BF2006L	4YHW3	✓ 243.25
1/2	850	56	115	4.4	1.4	Ball	Cradle	5/8"	1 1/8"	Century	BF2008	4UE66	✓ 387.75
1/2	1725	48Y	115	3.6	1.35	Sleeve	Cradle	1/2"	1 1/2"	Dayton	—	6K551	‡✓ 111.55
1/2	1725	48Y	115/208-230	4.4/2.2-2.0	1.35	Ball	Cradle	1/2"	1 1/2"	Dayton	—	3K613	‡✓ 149.45
1/2	1140	48Z	115	3.6	1.35	Ball	Cradle	1/2"	1 1/8"	Century	815V2	4RGX1	✓ 247.00
1/2	1725	48	115	5.4	1.35	Sleeve	Cradle	1/2"	1 1/2"	Century	GF2024	4UE76	✓ 119.05
1/2	1725	48	115	5.4	1.35	Sleeve	Adjustable Ring	1/2"	1 1/2"	Century	AR2024	4UE61	✓ 118.85
1/2	1725	48Y	115	3.9	1.35	Sleeve	Cradle	1/2"	1 1/2"	Dayton	—	6K870	‡✓ 165.25
1/2	1725	48Y	115	4.8	1.35	Sleeve	Cradle	1/2"	1 1/2"	Dayton	—	5K907	‡✓ 119.30
1/2	1725	48Y	115/208-230	4.6/2.2-2.3	1.35	Ball	Cradle	1/2"	1 1/2"	Century	—	3K091	‡✓ 163.00
1/2	1725	48Z	115/208-230	4.6/2.2-2.3	1.35	Ball	Cradle	1/2"	1 1/8"	Century	—	3ZP92	‡✓ 165.00
1/2	1725	56	115	4.8	1.35	Sleeve	Cradle	5/8"	1 1/8"	Century	—	5K260	✓ 139.95
1/2	1725	56Z	115	4.8	1.35	Sleeve	Cradle	5/8"	1 1/2"	Century	—	5K977	✓ 126.80
1/2	3450	48Z	115/230	6.3/3.2	1.35	Ball	Cradle	1/2"	2 1/4"	Century	F344V1	4UE70	✓ 207.75
1/2	1725	48	115	6.1	1.35	Ball	Base	1/2"	1 1/2"	Century	889A	4RGX2	✓ 177.50
1/2	1725	48	115	6.0	1.35	Ball	Adjustable Ring	1/2"	1 1/2"	Century	AR2034	4UE60	✓ 151.25
1/2	1725	48Y	115	6.6	1.35	Sleeve	Cradle	1/2"	1 1/2"	Dayton	—	3K384	‡✓ 138.40
1/2	1725	48Y	115	6.6	1.35	Sleeve	Cradle	1/2"	1 1/2"	Dayton	—	6K570	‡✓ 142.05
1/2	1725	48Y	115	4.4	1.35	Sleeve	Cradle	1/2"	1 1/2"	Dayton	—	6K871	‡✓ 178.50
1/2	1725	48YZ	115/208-230	6.6/3.4-3.1	1.35	Ball	Cradle	1/2"	1 1/8"	Century	—	4K252	‡✓ 183.50
1/2	1725	48Z	115	6.0	1.35	Ball	Cradle	1/2"	1 1/8"	Century	922L	2JFT8	✓ 183.00
1/2	1725	48Z	115	5.3	1.15	Ball	Base	1/2"	2 3/4"	Century	889V2	4HC5H	✓ 166.00
1/2	1725	56	115	6.6	1.35	Sleeve	Cradle	5/8"	1 1/8"	Century	—	5K261	✓ 143.10
1/2	1725	56Z	115	6.6	1.35	Sleeve	Cradle	5/8"	1 1/2"	Century	—	6K030	✓ 143.10
1/2	1725	56Z	115	5.7	1.0	Sleeve	Cradle	5/8"	1 1/2"	Century	807L	5DVT5	✓ 183.75
1/2	1725	48	115	8.0	1.25	Sleeve	Cradle	1/2"	1 1/2"	Century	GF2054	4UE85	✓ 185.75
1/2	1725	48	115	8.0	1.25	Sleeve	Adjustable Ring	1/2"	1 1/2"	Century	AR2054	4UE62	✓ 166.75
1/2	1725	48Y	115	7.6	1.25	Sleeve	Cradle	1/2"	1 1/2"	Dayton	—	6K589	‡✓ 184.25
1/2	1725	48Z	115/208-230	7.6/3.7-3.8	1.25	Ball	Cradle	1/2"	1 1/8"	Century	—	4K259	‡✓ 230.50
1/2	1725	56	115	7.2	1.25	Sleeve	Cradle	5/8"	1 1/8"	Century	—	5K416	✓ 186.75
1/2	1725	56	115/208-230	7.6/3.7-3.8	1.25	Ball	Cradle	5/8"	1 1/8"	Century	—	6K729	✓ 233.00
1/2	1725	56Z	115	7.8	1.25	Sleeve	Cradle	5/8"	1 1/2"	Century	—	5K258	✓ 191.75
1/2	1725	56Z	115	5.4	1.25	Sleeve	Cradle	5/8"	1 1/2"	Century	—	6K872	✓ 236.00
1/2	1725	56Z	115	6.8	1.0	Ball	Cradle	1/2"	1 15/16"	Century	F670A	4UE86	✓ 204.75
1/2	1140	56	115/230	9.2/4.6	1.25	Ball	Cradle	5/8"	1 1/8"	Century	BF2056D	4UE95	✓ 462.25
1/2	1725	56H	115	11.6	1.25	Ball	Cradle	5/8"	1 1/8"	Century	—	3ZP97	✓ 258.50
1/2	1725	56	115	8.4	1.25	Ball	Cradle	5/8"	1 1/8"	Century	—	6K857	✓ 294.75
1/2	1725	56H	115/208-230	11.6/5.9-5.8	1.25	Ball	Cradle	5/8"	1 1/8"	Century	—	3K617	✓ 271.15
1/2	1725/1425	56	115/230	10.4/5.2	1.25	Ball	Cradle	5/8"	1 1/8"	Century	F680	4UE84	✓ 285.75
2-Speed Commercial													
1/2, 1/8	1725/1140	48Z	115	4.4/2.1	1.35	Ball	Cradle	1/2"	1 15/16"	Century	BGF2014L	5ELL4	✓ 227.25
1/2, 1/8	1725/1140	56Z	115	6.2/4.0	1.35	Ball	Cradle	1/2"	1 1/2"	Dayton	—	6K425	✓ 212.75
1/4, 1/4	1725/1140	48Z	115	4.4/2.2	1.35	Ball	Cradle	1/2"	1 15/16"	Century	927L	5ELK5	✓ 246.50
1/4, 1/2	1725/1140	48	230	2.7/1.3	1.35	Ball	Cradle	1/2"	1 9/16"	Century	927AL	5ELK8	✓ 249.75
1/2, 1/15	1725/850	56Z	115	5.2/3.0	1.0	Ball	Cradle	1/2"	1 1/8"	Century	SGF2034V3	4UE97	✓ 367.00
1/2, 1/11	1725/1140	48	115	6.6/2.4	1.0	Ball	Cradle	1/2"	1 9/16"	Century	925AL	5ELK7	✓ 232.75
1/2, 1/6	1725/1140	48Y	115	5.1/2.9	1.35	Ball	Cradle	1/2"	1 1/2"	Dayton	—	3K371	✓ 235.75
1/2, 1/11	1725/1140	56	115	5.0/3.0	1.35	Ball	Cradle	5/8"	1 7/8"	Century	—	3K386	✓ 220.50
1/2, 1/8	1725/1140	56Z	115	5.0/3.0	1.0	Ball	Cradle	1/2"	2"	Century	F390	4UE93	✓ 338.50
1/2, 1/6	1725/1140	56	115	6.0/3.8	1.35	Sleeve	Cradle	5/8"	1 7/8"	Century	SGF2034V2	4UE98	✓ 244.25
1/2, 1/6	1725/1140	56Z	115	6.0/3.8	1.35	Ball	Cradle	1/2"	1 1/2"	Dayton	—	5K654	✓ 228.50
1/2, 1/2	1725/1140	56	115	6.8/3.8	1.25	Ball	Cradle	5/8"	1 7/8"	Century	F391	4UE94	✓ 316.75
1/2, 1/4	1725/1140	56	115	8.6/6.0	1.25	Ball	Cradle	5/8"	1 7/8"	Dayton	—	6K394	✓ 296.75

* Split-phase, capacitor-run. † 60/50 Hz. # Notched for 48 or 56 frame mount. # Leads exit shaft end.

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

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MOTORS

Split-Phase Air-Over Motors



Cradle/Stud Mount



Base/Stud Mount

Split-Phase Air-Over Motors

Century®
Formerly A.O. Smith Electrical Products Company
A Regal Beloit Company

- Body dia.: 48 frame, 5 $\frac{5}{8}$ "; 56 frame, 6 $\frac{1}{2}$ "

- Insulation: Class B

- Max. ambient: 40°C

- Rotation: CW/CCW, except No. 2HUB3 is CWLE

- Duty: continuous air-over

High-efficiency motors feature extended studs for mounting fan guard on shaft endshield. No. 2HUB3 is a replacement for OEM motors used in Triangle belt-drive exhaust fans. For use in exhaust fans, air circulators, and other air-over fan applications. Open motors are for use in clean, dry, nonhazardous locations. Enclosed motors are for use in dusty, dirty, nonhazardous locations. UL Recognized and CSA Certified.

2-Speed—Designed specifically for diminishing torque air-moving applications, such as belted or direct-drive fans.

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Thermal Protection	Mounting	Shaft Dia.	Shaft Length	Length Less Shaft	Ring to Ring Center	Bearings	Stud Pattern	Mfr. Model	Item No.	\$ Each
Single-Speed, Open																
1/6	1725	48	115	5.1	1.35	Auto	Base	1/2"	1 1/8"	7 1/16"	—	Sleeve	—	OS2014LA	4UE67	✓ 120.55
	1725	56Z	115	5.1	1.35	Auto	Cradle	1/2"	1 1/8"	7 3/4"	6 1/16"	Sleeve	—	RS2014	4UE68	*✓ 123.65
	1725	48Z	115	5.1	1.35	Auto	Cradle	1/2"	1 1/8"	7 1/4"	6 1/16"	Ball	3 5/8" x 3 5/8"	RB2014	4UE73	✓ 125.90
	1725	48	115	5.1	1.35	Auto	Cradle	1/2"	1 1/8"	7 3/8"	6 1/16"	—	—	GF2014	4UE81	✓ 112.60
	1725	48Z	115	5.4	1.15	Auto	Base	1/2"	2 1/4"	7 3/8"	—	Ball	3 5/8" x 3 5/8"	OB2024	4UE77	✓ 110.95
1/4	1725	48	115/208-230	5.2/2.6	1.35	Auto	Cradle	1/2"	1 1/8"	7 5/8"	7 1/16"	Ball	3 5/8" x 3 5/8"	BF2024	4UE79	#✓ 177.50
	1725	56Z	115	5.4	1.35	Auto	Cradle	1/2"	1 1/8"	7 5/8"	7 1/16"	Sleeve	—	RS2026	4UE83	*✓ 146.45
	1140	56	115	5.6	1.35	Auto	Cradle	5/8"	1 1/8"	8 1/16"	8 1/16"	Ball	4 1/4" x 4 1/4"	RB2026	4UE69	✓ 289.00
1/8	1725	48	115/230	6 4/3.2	1.35	Auto	Cradle	1/2"	1 1/8"	7 13/16"	7 1/16"	Ball	3 3/8" x 3 3/8"	BF2034	4UE63	#✓ 184.00
	1725	56Z	115/208-230	6.6/3.2-3.3	1.35	Auto	Cradle	1/2"	2 1/4"	7 1/8"	7 1/16"	Ball	3 3/8" x 3 5/8"	BF2034B	4UE80	*✓ 215.00
	1725	48	115/208-230	8.2/4.1	1.25	Auto	Cradle	1/2"	1 1/8"	8 1/8"	7 1/16"	Ball	3 3/8" x 3 5/8"	BF2054	4UE88	✓ 254.75
1/2	1725	56Z	115/208-230	8.2/4.1	1.25	Auto	Cradle	1/2"	2 1/4"	8 1/8"	7 1/16"	Ball	3 3/8" x 3 5/8"	BF2054V1	4UE99	#✓ 254.75
	1725	56Z	115/230	9.6/4.8	1.25	Auto	Cradle	1/2"	2"	8 1/8"	—	Ball	3 3/8" x 3 5/8"	OS2050	4UJ10	*✓ 200.00
3/4	1725	56Z	115/230	9.6/4.8	1.25	Auto	Cradle	5/8"	1 1/8"	8 9/16"	7 13/16"	Ball	5 1/16" x 5 1/16"	RB2054DV3	4YHW4	#✓ 251.00
	1725	56Z	115	9.6	1.0	Auto	Base	5/8"	2 1/4"	8 9/16"	—	Ball	4 1/4" x 4 1/4"	RB2054DV2	5ELN2	✓ 241.50
	1725	56Z	115	9.6	1.0	Auto	Base	5/8"	2 1/4"	8 7/8"	—	Ball	3 3/8" x 3 5/8"	OS2074	4UJ11	*✓ 242.75
Single-Speed, Open Driproof																
1/2	1725	56Z	115	7.5	1.0	Auto	Base	1/2"	1 1/8"	7 1/16"	—	Ball	—	OTE2054A	2HUB3	✓ 199.75
Single-Speed, Totally Enclosed																
1/4	1725	56Z	115	4.3	1.0	Manual	Cradle/Stud	1/2"	1 1/8"	8 3/16"	7 1/16"	Sleeve	4 1/4" x 4 1/4"	ARB2024M	4UB95	✓ 155.75
1/2	1725	56	115	7.0	1.0	Manual	Cradle/Stud	5/8"	1 1/8"	9 3/16"	8 1/16"	Ball	4 1/4" x 4 1/4"	F352V1	4UB97	✓ 241.75
Single-Speed, Totally Enclosed Air-Over																
1/6	1725	48Y	115/208-230	2.8/1.4-1.4	1.0	Auto	Cradle/Stud	1/2"	1 1/8"	7 3/8"	6 3/4"	Ball	3 3/8" x 3 5/8"	ARB2014L	5XRZ7	✓ 156.75
	1725	48Y	115/208-230	2.8/1.4-1.4	1.0	None	Cradle/Stud	1/2"	1 1/8"	7 1/8"	6 3/4"	Ball	3 3/8" x 3 5/8"	ARB2014L2	5ELK9	✓ 154.25
	1140	56Z	115	3.8	1.0	Manual	Cradle/Stud	1/2"	1 1/8"	8 1/16"	7 15/16"	Sleeve	4 1/4" x 4 1/4"	ARB2016M	4UB94	✓ 234.75
1/4	1725	48Y	115/208-230	3.3/1.7-1.7	1.0	Auto	Cradle/Stud	1/2"	1 1/8"	7 13/16"	7 1/2"	Ball	3 3/8" x 3 5/8"	ARB2024L3	4HVG6	#✓ 153.00
	1725	56Z	115	3.3	1.0	None	Cradle	1/2"	1 1/8"	7 1/8"	—	Ball	3 3/8" x 3 5/8"	ARB2024L4	5DVL1	#✓ 157.25
	1140	48Y	115/208-230	6.2/2.8-3.1	1.0	Auto	Cradle	1/2"	1 1/8"	8 1/8"	—	Ball	3 3/8" x 3 5/8"	ARB2026SV1	5DVL2	#✓ 270.50
	1140	48Y	115/208-230	6.2/2.8-3.1	1.0	None	Cradle	1/2"	1 1/8"	8 1/8"	—	Ball	3 3/8" x 3 5/8"	ARB2026SLV1	5DVL3	#✓ 253.00
1/8 to 1/6	1725/1140	56Z	115	5.6/3.2	1.0	None	Cradle/Stud	1/2"	1 1/8"	9 9/16"	9"	Ball	4 1/4" x 4 1/4"	ARB2034L3	5ELL0	✓ 267.00
1/2 to 1/6	1725/1140	48Y	115/208-230	4.9/2.3-2.5	1.0	Auto	Cradle/Stud	1/2"	1 1/8"	8 1/4"	7 3/4"	Ball	3 3/8" x 3 5/8"	ARB2034L6	4HCH6	✓ 159.25
1/8	1725	56Z	115/208-230	7.3/3.8-3.8	1.35	Auto	Cradle	1/2"	1 1/8"	8 3/8"	—	Ball	4 1/4" x 4 1/4"	ARB2034L5	5DVL5	✓ 245.50
1/2	1725	48Y	115/208-230	5.6/2.8	1.35	None	Cradle/Stud	1/2"	1 1/8"	8 3/8"	—	Ball	4 1/4" x 4 1/4"	ARB2034L4	4YHW5	#✓ 193.50
	1725	48	115/208-230	4.9/2.3-2.5	1.0	None	Cradle	1/2"	1 1/8"	8 3/8"	—	Ball	3 3/8" x 3 5/8"	ARB2034L2	5DVL4	✓ 182.75
	1140	56	115/208-230	6.0/3.0-3.0	1.0	None	Cradle/Stud	5/8"	1 1/8"	9 9/16"	9 1/16"	Ball	4 1/4" x 4 1/4"	ARB2036SL	4Y45	✓ 321.25
	1140	56	115/208-230	6.0/3.0-3.0	1.0	Auto	Cradle/Stud	5/8"	1 1/8"	9 9/16"	9 1/16"	Ball	4 1/4" x 4 1/4"	ARB2036S	4Y46	✓ 337.75
1/2	1725/1425	56	115/208-230	6.8/3.1-3.4	1.3	Auto	Cradle/Stud	5/8"	1 1/8"	8 15/16"	—	Ball	4 1/4" x 4 1/4"	ARB2054L3	4YHW6	✓ 258.50
1/2 to 1/4	1725/1140	56	115	8.2/5.3	1.0	Auto	Cradle/Stud	5/8"	2"	9 13/16"	9 9/16"	Ball	4 1/4" x 4 1/4"	ARB2054L1	SELL1	✓ 349.25
1/2	1725/1140	56	115	8.2/5.3	1.0	None	Cradle/Stud	5/8"	2"	8 13/16"	8 5/16"	Ball	4 1/4" x 4 1/4"	ARB2054L2	SELL2	✓ 307.25
1/6	1725	56	115/208-230	6.8/3.1-3.4	1.0	None	Cradle/Stud	5/8"	2"	8 13/16"	8 5/16"	Ball	—	ARB2054L4	SELL3	✓ 246.25
2-Speed, Open Driproof																
1/2, 1/6	1725/1140	56	230	5.3/2.4	1.0	Auto	Cradle	5/8"	1 1/8"	8 8/16"	7 7/8"	Sleeve	4 1/4" x 4 1/4"	SGF2054HL	5XTA5	✓ 334.00
2-Speed, Totally Enclosed Air-Over																
1/4, 1/2	1725/1140	56Z	115	4.4/3.0	1.0	Auto	Cradle	1/2"	1 1/8"	9 9/16"	—	Ball	4 1/4" x 4 1/4"	ARB2024L1	5DVT9	*✓ 208.00
1/4, 1/2	1725/1140	56Z	115	4.4/3.0	1.0	None	Cradle	1/2"	1 1/8"	9 9/16"	—	Ball	4 1/4" x 4 1/4"	ARB2024L2	5DVO0	*✓ 195.25
1/4, 1/2	1725/1140	56Z	115	5.5	1.0	Auto	Cradle/Stud	1/2"	1 1/8"	9 9/16"	8 7/8"	Ball	4 1/4" x 4 1/4"	ARB2034L1	5XRZ8	✓ 286.00

* $\frac{5}{8}$ " shaft adapter/key. † Cradle base has 48/56 mounting holes. # Usable on 208V at 1.0 service factor. # Includes $\frac{5}{8}$ " dia. shaft bushing.



No. 4VAF9

High-Temperature Belt-Drive Motors

Dayton®

- Insulation: Class B
 - Enclosure: open driproof
 - Max. ambient: 60°C
 - Thermal protection: auto
 - Bearings: ball
 - Mounting: cradle/stud
 - Rotation: CW/CCW
- For use in roof ventilators. Single-speed, 1-phase, continuous-duty with quick-connect terminals. 48Y frames are notched to replace 48 or 56 frame. Steel frame. Nos. 4VAF9 and 4VAG1 to 4VAG3 are split phase. Nos. 4VAG4 to 4VAG7 are capacitor start. No. 4VAG8 is capacitor run. UL Recognized and CSA Certified.

Open Driproof Belt-Drive Motors

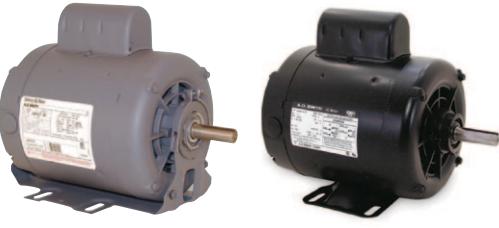
- Max. ambient: 40°C
- Thermal protection: auto
- Rotation: CW/CCW

For use with belt-drive applications, including furnace blowers, exhaust fans, industrial blowers, and ventilators. 2-speed motors are for use in diminishing-torque air-moving applications such as belt- or direct-drive fans and blowers.

Nos. 4UB57, 4UB47, and 4UB98 include $\frac{5}{8}$ "-key shaft adapter. No. 4UB57 is notched for 48 or 56 NEMA frame mount. UL Recognized and CSA Certified.



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Cradle Mount

Base Mount

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Bearings	Body Dia.	Shaft Dia.	Shaft Length	Length Less Shaft	Insulation Class	Mfr. Model	Item No.	\$ Each
Single-Speed, Cradle Mount														
$\frac{1}{2}$	3450	48	115/208-230	7.2/3.6	1.6	Ball	$\frac{5}{8}$ "	$\frac{1}{2}"$	$1\frac{1}{2}"$	$9\frac{1}{16}"$	A	BF1052	4LY93 ✓	220.75
	3450	48	115/208-230	10.0/5.0-5.0	1.5	Ball	$\frac{5}{8}$ "	$\frac{1}{2}"$	$1\frac{1}{2}"$	$9\frac{1}{16}"$	A	BF1072	4UB48 ✓	283.50
$\frac{3}{4}$	3450	56	115/208-230	9.2/4.7-4.6	1.25	Sleeve	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$9\frac{3}{16}"$	A	B642	4LY81 ✓	245.50
	3450	56	115/208-230	10.0/5.0	1.5	Ball	$\frac{5}{8}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$9\frac{3}{16}"$	A	BK1072	4UB61 ✓	288.75
	3450	56	115/208-230	12.0/6.6-6.0	1.25	Sleeve	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$9\frac{3}{16}"$	A	B701	4LY83 ✓	285.00
1	3450	56	115/208-230	12.0/6.6-6.0	1.25	Ball	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$9\frac{3}{16}"$	B	B589	4UB65 ✓	345.75
	1725	56	115/208-230	12.6/6.2-6.3	1.25	Sleeve	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$9\frac{3}{16}"$	B	C692	4LY91 ✓	329.75
$1\frac{1}{2}$	3450	56	115/208-230	16.0/8.6-8.0	1.2	Ball	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$10\frac{1}{16}"$	B	B72L	2LTA1 ✓	362.25
2	1725	56H	115/208-230	22.0/11.0	1.15	Ball	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$11"$	B	RB1204AV1	4RGW9 #✓	540.00
Single-Speed, Cradle/Stud Mount														
	3450	48Y	115/208-230	8.0/3.8-4.0	1.25	Ball	$\frac{5}{8}$ "	$\frac{1}{2}"$	$1\frac{1}{2}"$	$8\frac{7}{16}"$	B	B590	4UB57 †✓	228.50
$\frac{1}{2}$	3450	48Z	115/208-230	7.2/3.6-3.6	1.6	Ball	$\frac{5}{8}$ "	$\frac{1}{2}"$	$2\frac{1}{4}"$	9"	A	BF1052V1	4UB47 †✓	252.50
	1725	56	115/208-230	9.0/4.0-4.5	1.25	Ball	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$9\frac{3}{16}"$	B	C412V1	4UB59 †✓	279.00
$\frac{3}{4}$	1725	56	115/208-230	11.0/5.4-5.5	1.25	Ball	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$9\frac{3}{16}"$	B	C426V1	4UB63 †✓	315.00
1	1725	56Z	115/208-230	12.6/6.2-6.3	1.15	Ball	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$2\frac{1}{16}"$	$9\frac{3}{16}"$	B	C523V1	4UB98 †✓	321.50
Single-Speed, Base Mount														
$\frac{3}{4}$	1725	56	115/230	8.6/4.3	1.25	Ball	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$10\frac{5}{16}"$	B	C526	4UB67 *✓	379.75
2 Speed, Cradle Mount														
$\frac{1}{2}$, $\frac{1}{4}$	1725/1140	56	115	6.8/4.8	1.0	Sleeve	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$9\frac{3}{16}"$	A	C678V1	4LY80 ✓	294.00
$\frac{3}{4}$, $\frac{1}{2}$	1725/1140	56	115	10.0/6.4	1.0	Sleeve	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$10\frac{5}{16}"$	A	C741V1	4LY85 ✓	468.75
2 Speed, Cradle/Stud Mount														
$\frac{1}{2}$, $\frac{1}{4}$	1725/1140	56	115	6.8/4.0	1.25	Ball	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$9\frac{3}{16}"$	B	C532	4UB50 †✓	487.50
$\frac{3}{4}$, $\frac{1}{2}$	1725/1140	56	115	10.0/4.0	1.25	Ball	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$10\frac{5}{16}"$	B	C533	4UB51 †✓	541.00
$\frac{3}{4}$, $\frac{1}{2}$	1725/1140	56	208-230	5.0-5.0/2.7-2.8	1.25	Ball	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$10\frac{5}{16}"$	B	C534V1	4UB52 †✓	539.00
$\frac{3}{4}$	1725/1140	56	115	12.4-7.8	1.15	Ball	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$10\frac{13}{16}"$	B	C471A	4UB53 †✓	564.50
1 , $\frac{1}{2}$	1725/1140	56	208-230	6.4-6.0/3.4-3.5	1.15	Ball	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$10\frac{13}{16}"$	B	C472A	4UB55 †✓	595.00
1 , $\frac{1}{2}$	1725/1140	56	208-230	6.3-6.0/3.3-3.8	1.0	Ball	$6\frac{1}{2}$ "	$\frac{5}{8}$ "	$1\frac{1}{8}"$	$10\frac{13}{16}"$	B	C472V1	4LY89 †✓	582.00

* 60/50 Hz. † Capacitor-start, capacitor-run. ‡ 3 $\frac{3}{8}$ " x 3 $\frac{3}{8}$ " stud mounting pattern. # 4 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ " stud mounting pattern.

3-Phase Belt-Drive Motors

- Insulation: Class B, except No. 10K089 is Class F
- Max. ambient: 40°C, except No. 4LY55 is 65°C
- Bearings: ball
- Rotation: CW/CCW

Use with pumps, industrial fans, blowers, and exhaust fans. UL Recognized and CSA Certified.



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Cradle Mount,
Open Driproof



Base Mount, Totally
Enclosed Air-Over

HP	Nameplate RPM	NEMA/IEC Frame	Voltage	Full Load Amps	Service Factor	Thermal Protection	Mounting	Shaft Dia.	Shaft Length	Length Less Shaft	Stud Pattern	Mfr. Model	Item No.	\$ Each
Single-Speed, Open Driproof														
$\frac{1}{3}$	1725	56	200-230/460	1.4-1.6/0.8	1.35	None	Cradle	$\frac{5}{8}$ "	2"	$9\frac{1}{16}"$	$51\frac{13}{16}"$	H262V2	10K091 ✓	199.00
	3450	56	200-230/460	1.9-2.0/1.0	1.6	Auto	Cradle	$\frac{5}{8}$ "	$1\frac{7}{8}"$	—	—	H840	4MA38 †✓	238.75
$\frac{1}{2}$	1725	56	200-230/460	1.8-2.0/1.0	1.25	None	Cradle	$\frac{5}{8}$ "	2"	$9\frac{1}{16}"$	$51\frac{13}{16}"$	H275V2	12N863 ✓	247.25
$\frac{3}{4}$	3450	56	200-230/460	2.8-2.8/1.4	1.5	Auto	Cradle	$\frac{5}{8}$ "	$1\frac{7}{8}"$	$10\frac{1}{16}"$	$4\frac{1}{8}" x 4\frac{1}{8}"$	H841V1	4LY72 ✓	347.75
	1725	56	200-230/460	2.7-2.8/1.4	1.25	None	Cradle	$\frac{5}{8}$ "	$1\frac{7}{8}"$	$8\frac{3}{16}"$	$4\frac{1}{8}" x 4\frac{1}{8}"$	H582V2	4RGW8 ✓	341.50
	1725	56	200-230/460	2.8-3.0/1.5	1.25	Auto	Cradle	$\frac{5}{8}$ "	2"	$10\frac{1}{16}"$	$51\frac{13}{16}"$	H851V2	12N866 ✓	334.75
	3450	56H	200-230/460	3.5-3.6/1.8	1.4	Auto	Cradle	$\frac{5}{8}$ "	$1\frac{7}{8}"$	$10\frac{13}{16}"$	$4\frac{1}{8}" x 4\frac{1}{8}"$	H842V1	4LY73 ✓	380.00
1	1725	56	200-230/460	3.4-3.6/1.8	1.25	None	Cradle	$\frac{5}{8}$ "	$1\frac{15}{16}"$	$9\frac{1}{8}"$	$4\frac{1}{8}" x 4\frac{1}{8}"$	H161V2	6PW64 ✓	343.00
	1725	56H	200-230/460	3.7-4.0/2.0	1.15	Auto	Base	$\frac{5}{8}$ "	$1\frac{15}{16}"$	$10\frac{3}{16}"$	$51\frac{13}{16}" x 5\frac{1}{16}"$	H882L	14L704 ✓	333.50
	3450	56H	200-230/460	4.7-4.6/2.3	1.3	Auto	Cradle	$\frac{5}{8}$ "	$1\frac{7}{8}"$	$11\frac{1}{16}"$	$4\frac{1}{8}" x 4\frac{1}{8}"$	H843V1	4LY74 ✓	432.00
$1\frac{1}{2}$	1725	56H	200-230/460	5.3-5.6/2.8	1.2	None	Cradle	$\frac{5}{8}$ "	$1\frac{15}{16}"$	$10\frac{1}{16}"$	$4\frac{1}{8}" x 4\frac{1}{8}"$	H536L	6PW67 ✓	349.50
	1725	56H	200-230/460	5.0-5.6/2.8	1.15	Auto	Base	$\frac{5}{8}$ "	2"	11"	$51\frac{13}{16}"$	H884L	10K088 ✓	342.50
	1725	56H	200-230/460	5.0-5.6/2.8	1.15	Auto	Crade	$\frac{5}{8}$ "	$1\frac{15}{16}"$	$11"$	$51\frac{13}{16}" x 5\frac{1}{16}"$	H853V2	14L703 ✓	391.00
	3450	56H	200-230/460	6.0-5.8/2.9	1.2	Auto	Cradle	$\frac{5}{8}$ "	$1\frac{7}{8}"$	$12\frac{1}{8}"$	$4\frac{1}{8}" x 4\frac{1}{8}"$	BK3202L	2LTA2 ✓	459.25
	3450	56H	200-230/460	6.0-5.8/2.9	1.2	Auto	Cradle	$\frac{5}{8}$ "	$1\frac{7}{8}"$	—	—	H844	4MA40 ✓	405.00
2	1725	56H	200-230/460	6.6-6.8/3.4	1.15	Auto	Base	$\frac{5}{8}$ "	2"	12"	$51\frac{13}{16}"$	H1045L	10K090 ✓	376.50
	1725	56H	208-230/460	5.8-5.8/2.9	1.15	Auto	Cradle	$\frac{5}{8}$ "	$1\frac{7}{8}"$	11"	$4\frac{1}{8}" x 4\frac{1}{8}"$	RB3204A	4LY71 *†✓	485.25
3	1725	56HZ	200-230/460	9.0-8.8/4.4	1.15	Auto	Base	$\frac{5}{8}$ "	$2\frac{1}{16}"$	$12\frac{1}{8}"$	$51\frac{13}{16}"$	H887L	10K089 ✓	443.00
5	3450	56HZ	208-230/460	13.4-13.2/6.6	1.15	None	Cradle	$\frac{5}{8}$ "	$2\frac{1}{4}"$	$12\frac{1}{8}"$	$4\frac{1}{8}" x 4\frac{1}{8}"$	H1039L	3DGD1 ✓	638.50
Single-Speed, Totally Enclosed Air-Over														
1	1725	56	200-230/460	3.3-3.4/1.7	1.15	None	Cradle	$\frac{5}{8}$ "	$1\frac{15}{16}"$	$9\frac{1}{2}"$	$4\frac{1}{8}" x 4\frac{1}{8}"$	H1031L	6PW5 ✓	299.75
2	1725	145T	208-230/460	6.0-5.8/2.9	1.0	None	Base	$\frac{5}{8}$ "	$2\frac{1}{4}"$	$11\frac{1}{16}"$	$4\frac{1}{8}" x 4\frac{1}{8}"$	H1032	4LY55 †✓	515.00
Single-Speed, Totally Enclosed Nonventilated														
$\frac{1}{4}$	1140	56	200-230/460	1.3-1.2/0.6	1.15	None	Cradle	$\frac{5}{8}$ "	$1\frac{7}{8}"$	$8\frac{3}{16}"$	$4\frac{1}{8}" x 4\frac{1}{8}"$	H1026	4LY49 ✓	363.50
$\frac{1}{2}$	1725	48Y	208-230/460	1.2-1.2/0.6	1.0	None	Cradle	$\frac{5}{8}$ "	$1\frac{7}{8}"$	$7\frac{1}{2}"$	$4\frac{1}{8}" x 4\frac{1}{8}"$	H1027A	5DVU7 *✓	284.50
$\frac{1}{2}$	1140	56	200-230/460	2.1-2.0/1.0	1.15	None	Cradle	$\frac{5}{$						

MOTORS

Peripheral & Tangential Vacuum Motors

AMETEK
LAMB ELECTRIC

Vacuum Motors

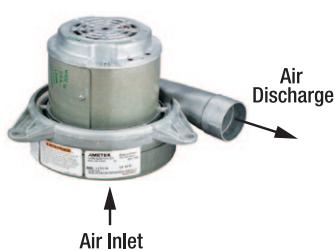
- Enclosure: open
- Mounting: all-position
- Max. ambient: 40°C
- Duty: intermittent
- Bearings: ball, permanently lubricated
- Average brush life: 4.3" and 5.7" dia., 500 hr.; 7.2" dia., 700 hr.; 7.5" dia., 1000 hr.

Designed to move clean and dry air. Units with air-sealed bearings (see footnote 72) provide added protection against dirt and moisture. Units with plastic housings are designed for light-duty applications. No. 3GXF5 is for use in high velocity/low pressure paint sprayer applications only. For use in commercial canister or utility vacuums, sprayer/foggers, material handling and transfer systems, car wash, and central vacuum systems. Replacement Brush Sets include 2 brushes, 2 holders, and 2 springs; except Nos. 2UV67, 2UV76, and 2UV78 include 4 brushes, 2 holders, and 4 springs. Motors are UL Recognized and CSA Certified.



PERIPHERAL DISCHARGE

Air flows into the bottom of the motor and is discharged through vents in the motor.



TANGENTIAL DISCHARGE

Air flows into the bottom of the motor and is discharged through an air tube on the side of the motor.

REPLACEMENT BRUSH SETS

Mfr. Model	Item No.	\$ Each
833384-50	2UV64	14.25
833378-50	2UV65	14.18
833392-61	2UV66	21.34
833423-51	2UV68	9.60
833423-69	2UV71	12.21
833415-55	2UV77	10.99
833326-51	2UV81	9.69
833423-71	2UY16	13.97
833400-57	2UY17	12.96
833415-54	2XB23	13.48
833410-52	2XB24	30.45
833300-50	2UV67	87.00
833196-50	2UV76	96.10
833450-52	2UV78	16.62

[†] Auto thermal protection; all others have none. Footnotes: 68—Metal mounting brackets. 69—Thermoset mounting brackets. 70—2-speed. 72—Air-sealed bearing protection. 73—1½" inlet tube. 74—1¾" inlet tube. 75—2" inlet tube. 76—Double insulated. 77—Hazardous Location Class I Group D; Class II Groups E, F, and G.

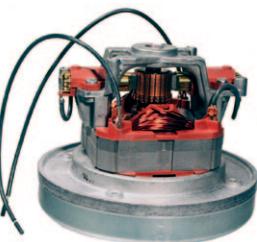
CONTINUED

Vacuum Motors**AMETEK[®]
LAMB ELECTRIC**

Body Dia.	Voltage	Blower Stages	CFM @ 2" Orifice	Vacuum (H ₂ O Sealed)	Max. Air Watts	Max. Amps	Overall Height	Replacement Brushes	Foot-notes	Mfr. Model	Item No.	\$ Each
Tangential Discharge (Cont.)												
Plastic Housing/Brush Holder												
5.7"	24 DC	2	66.4	43.6	98	14.4	6 ⁹ / ₁₆ "	833490-64	—	119436-13	3GXF4	✓ 300.75
	24 DC	3	69.0	67.6	142	21.5	7 ¹ / ₁₆ "	833490-64	—	119433-13	3GXF3	✓ 281.25
	36 DC	3	76.0	74.0	185	17.9	7 ¹ / ₁₆ "	833494-50	—	119432-13	3GXF2	✓ 266.25
	120	2	97.0	81.8	248	8.6	6 ⁹ / ₁₆ "	833474-50	—	119412-13	3GXE7	✓ 147.35
	120	2	112.0	106.7	404	11.7	6 ¹ / ₁₆ "	833490-52	—	119407-13	3GXE5	✓ 198.25
Thru-Flow												
Metal Housing/Brush Holder												
4.3"	120	2	92.5	70.8	177	7.5	6 ¹ / ₁₆ "	833326-51	68	116378-00	4M975	✓ 166.50
	120	1	107.0	57.4	177	6.4	4 ¹ / ₂ "	833384-50	68	115717	2M264	✓ 100.00
	120	1	112.0	63.0	189	6.8	4 ¹ / ₂ "	833400-57	69	116881-50	4M911	✓ 88.55
	120	1	112.0	63.0	190	6.8	4 ¹ / ₂ "	833400-57	68	116309-00	2M194	✓ 67.20
	120	1	112.0	63.0	190	6.8	4 ¹ / ₂ "	833400-57	68	116455-50	2M425	†✓ 82.50
	120	1	123.0	60.6	227	6.9	4 ¹ / ₂ "	833400-57	69	116297-00	2M203	✓ 86.50
	120	1	147.0	98.0	500	12.0	4 ³ / _{4"}	833326-51	—	119347-00	3EAK7	✓ 119.80
	120	2	94.0	90.2	241	7.7	5 ¹ / ₁₆ "	833384-50	69	116883-50	2M193	✓ 95.15
	120	2	94.0	90.2	241	7.7	5 ¹ / ₁₆ "	833326-51	68	116669-50	2M421	†✓ 116.30
	120	2	94.0	90.2	241	7.7	5 ¹ / ₁₆ "	833384-50	68	116457-00	2M420	†✓ 134.70
	120	2	95.0	91.2	245	8.2	5 ¹ / ₁₆ "	833384-50	68	116311-01	2M192	✓ 98.40
	120	2	99.0	92.0	257	8.0	5 ¹ / ₁₆ "	833326-51	68	115750	2M262	✓ 124.75
	120	2	99.0	92.0	260	8.0	5 ¹ / ₁₆ "	833326-51	68	115737	2M263	✓ 126.40
	120	2	99.0	92.0	257	8.0	5 ¹ / ₁₆ "	833384-50	68	115744	2M198	†✓ 159.25
5.7"	120	2	101.3	114.4	365	10.6	5 ¹ / ₁₆ "	833392-61	68	116432-00	2M422	✓ 138.30
	120	2	104.0	100.0	323	9.0	6"	833326-51	68	116671-50	4M898	†✓ 157.25
	120	2	107.0	106.9	316	8.8	5 ¹ / ₁₆ "	833384-50	68, 70	116227-00	2M199	✓ 174.00
	120	2	115.0	96.4	356	9.5	5 ¹ / ₁₆ "	833326-51	68	116146-00	2M186	✓ 150.25
	120	2	115.0	96.4	356	9.5	5 ¹ / ₁₆ "	833384-50	68	115982	4M982	✓ 144.15
	120	2	115.0	96.4	356	9.5	5 ¹ / ₁₆ "	833326-51	68	116884-49	4M905	†✓ 162.75
	120	2	122.0	100.4	447	10.8	6 ³ / ₁₆ "	833392-61	68	115923	4M903	✓ 138.30
	240	1	113.0	61.7	198	3.8	4 ¹ / ₂ "	833378-50	68	116310-00	2M426	✓ 91.65
	240	1	113.0	61.7	197	3.8	4 ¹ / ₁₆ "	833378-50	68	116668-50	2M427	† 115.10
	240	2	89.0	78.0	196	3.5	5 ¹ / ₁₆ "	833378-50	68	115756	2M182	✓ 154.00
	240	2	102.0	87.8	248	4.0	5 ¹ / ₁₆ "	833378-50	68	116670-50	2M424	†✓ 140.35
	240	2	102.0	87.8	248	4.0	5 ¹ / ₁₆ "	833465-50	68	116312-00	2M423	✓ 116.70
	240	2	112.3	98.3	346	4.7	6 ¹ / ₁₆ "	833378-50	68	116343-00	4M902	✓ 159.25
	240	2	113.0	93.7	291	5.8	6 ¹ / ₁₆ "	833378-50	68	116111-00	4M901	✓ 174.00
	240	2	119.0	98.9	345	5.1	6 ¹ / ₂ "	833378-50	68	116604-00	4M900	†✓ 174.00
Plastic Housing/Brush Holder												
	120	1	112.0	63.0	190	6.8	4 ³ / ₁₆ "	833474-50	—	119411-00	3GXE6	†✓ 95.40
	120	1	112.0	63.0	189	6.8	4 ³ / ₁₆ "	833474-50	—	119400-00	3EAK8	✓ 76.35
5.7"	240	1	113.0	62.0	190	3.8	4 ¹ / ₂ "	833474-51	—	119401-00	3GXE1	✓ 92.45
	120	2	94.0	90.2	241	7.7	5 ¹ / ₁₆ "	833474-50	—	119402-00	3GXE2	✓ 513.20
	240	2	102.0	87.8	248	4.0	5 ¹ / ₁₆ "	833474-51	—	119403-00	3GXE3	✓ 120.20

* Auto thermal protection; all others have none. Footnotes: 68—Metal mounting brackets. 69—Thermoset mounting brackets.
70—2-speed. 72—Air-sealed bearing protection. 73—1¹/₂" inlet tube. 74—1¹/₈" inlet tube. 75—2" inlet tube. 76—Double insulated.

77—Hazardous Location Class I Group D; Class II Groups E, F, and G.

**REPLACEMENT BRUSH SETS**

Mfr. Model	Item No.	\$ Each
491278	6VDG4	13.37
4962755	6VDG5	13.37
492.2.470	6VDG6	13.37
492.2.772-2	6VDG7	13.37
491.2.760	6VDG8	13.37

These motors should not come into contact with foam, liquids, or moisture-laden air. Applications should be designed to protect the motor's fan system, housing, and electrical components. UL Recognized.

Body Dia.	Voltage	Blower Stages	CFM @ 2" Orifice	Vacuum (H ₂ O Sealed)	Max. Air Watts	Max. Amps	Overall Height	Replacement Brushes	Mfr. Model	Item No.	\$ Each
Bypass											
Peripheral											
5.7"	120	2	103.8	79.9	364	9.8	6.7"	Mfr. No. 492.2.470	492.3.575-4	5DVY8	✓ 117.35
	120	2	95.3	88.3	350	9.7	6.6"	Mfr. No. 492.2.470	492.3.581	5DVZ2	✓ 120.55
	120	2	93.2	83.5	310	8.3	6.4"	Mfr. No. 492.2.470	492.3.314-3	5DVZ5	✓ 126.25
Tangential											
5.7"	120	2	89.0	81.1	285	7.9	6.6"	Mfr. No. 492.2.470	491.3.422	5DVY9	✓ 142.00
	120	2	112.3	104.4	470	13.4	7.0"	Mfr. No. 492.2.772-2	491.3.702	5DVZ1	✓ 148.00
	120	2	108.1	104.0	457	13.3	7.0"	Mfr. No. 491.2.760	491.3.715	5DVZ6	✓ 136.30
	120	3	91.1	122.4	438	13.2	8.0"	Mfr. No. 492.2.772-2	491.3.752-3	5DVZ0	✓ 168.50
7.2"	230	2	130.6	120.5	651	8.23	7.28"	Mfr. No. 49627575	49937012	6VDG3	✓ 364.00
	240	2	131.8	122.5	678	16.6	7.28"	Mfr. No. 492.2.470	4993701	6VDG2	✓ 319.75
Thru-Flow											
5.7"	120	1	105.9	69.9	290	7.5	4.7"	Mfr. No. 492.2.470	496.3.211	5DVY6	✓ 92.70
	120	1	148.3	82.7	415	10.6	5.0"	Mfr. No. 492.2.772-2	496.3.447	5DVZ7	✓ 102.15
	110	2	118.7	91.5	410	12.0	6.0"	Mfr. No. 492.2.470	496.3.430	5DVZ3	✓ 99.75
	120	2	99.6	80.3	300	9.0	6.0"	Mfr. No. 492.2.470	496.3.446	5DVY7	✓ 99.50
	120	2	105.9	91.1	380	10.7	6.2"	Mfr. No. 492.2.470	496.3.545-2	5DVZ4	✓ 105.60

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

1-800-GRAINGER

87

MOTORS

Brushless DC Blowers & Controls



No.
2EUD4

Northland
MOTOR TECHNOLOGIES
Putting Concepts in Motion



No. 2EUD5

5.1"-Dia. Tangential Bypass Brushless DC Blowers and Controls

BLOWERS

- Enclosure: open
- Mounting: tab, all-position
- Max. ambient: 50°C
- Thermal protection: auto
- Bearings: ball

Adjustable-speed blowers can be used in vacuum or pressure applications.

making a secondary pressure control device unnecessary. Included wiring harness allows connection to external controller. For use in air beds; medical, dental, and printing equipment; material handling and packaging; air samplers/evacuators and vacuum cleaners; and lifting, transport, and hold-down applications. RoHS compliant.

BLOWER CONTROLS

- 10A max.

Electronic control, sold separately, can be set for adjustable or fixed speed. Adjustable remote 0 to 5VDC or built-in trim-pot speed control. Feature current limit and fuse protection.

Watts	Blower Stages	Voltage	Max. Amps	H	Discharge Dia.	Vacuum (H ₂ O Sealed)	CFM	Mfr. Model	Item No.	\$ Each	Mfr. Model	Item No.	\$ Each
100	1	12 DC	8.0	4"	1 1/4"	13.0	42	BBD13-B11SXB-00	2EUD4 ✓	262.25	BDDC-CB11-00	2EUD5 ✓	400.00
	1	24 DC	4.0	4"	1 1/4"	20.0	51	BBD13-G11SXB-00	2EUD6 ✓	328.75	BDAC-C111-00	2EUD9 ✓	477.75
150	1	120	2.5	4"	1 1/4"	16.0	46	BBA13-111SXB-00	2EUD8 ✓	298.50	BDAC-C211-00	2EUE2 ✓	507.50
	1	240	2.0	4"	1 1/4"	16.0	46	BBA13-211SXB-00	2EUE1 ✓	317.75			

DOMEL
We create motion



No. 5DVY2

5.7"-Dia. Tangential Bypass Brushless DC Blowers

- Enclosure: open
- Mounting: tab
- Max. ambient: 50°C
- Thermal protection: auto
- Bearings: ball
- Control: 0 to 10VDC
- 60/50 Hz

Resist corrosion and have an optimized sealing system. Suitable for constant- or adjustable-speed applications; adjustable-speed applications require a remote 0 to 10VDC reference signal (not included). For use in vacuum cleaners, central vacuum systems, business machines, industrial fume extractors, clean rooms, air purification systems, scrubber driers, and air beds.

Watts	Blower Stages	Voltage	Max. Amps	H	Discharge Dia.	Vacuum (H ₂ O Sealed)	CFM	Mfr. Model	Item No.	\$ Each
	1	230	4.0	7"	1 1/8"	40.0	90	497.3.265-326	5DVY2 ✓	1,662.00
450	3	120	7.0	9"	1 1/8"	70.0	63	497.3.265-432	5DVY3 ✓	1,601.00
	1	120	7.0	7"	1 1/8"	38.0	90	497.3.265-311	5DVY4 ✓	1,510.00
	1	120	7.0	7"	1 1/8"	31.0	120	497.3.265-313	5DVY5 ✓	1,489.00

Northland
MOTOR TECHNOLOGIES
Putting Concepts in Motion



No. 1MCG5

5.7"-Dia. Tangential Bypass Brushless DC Blowers

- Enclosure: open
- Mounting: tab, all-position
- Max. ambient: 50°C
- Thermal protection: auto
- Bearings: ball

Adjustable, built-in speed control makes a secondary pressure control device unnecessary. An external hose is easily attached to the exhaust tube. Included wiring harness allows hard-wiring to external power. Manually controlled units have easily-adjusted built-in trim-pot. Electronically controlled models require a remote 0 to 10VDC reference signal (not included). For use in business machines, computer peripherals, material handling, air samplers/evacuators, packaging systems, photographic medical equipment, and air beds. RoHS Compliant.

Watts	Blower Stages	Voltage	Max. Amps	H	Discharge Dia.	Vacuum (H ₂ O Sealed)	CFM	MANUAL SPEED CONTROL BLOWERS		ELECTRONIC SPEED CONTROL BLOWERS			
								Mfr. Model	Item No.	Mfr. Model	Item No.		
400	1	120	5.0	6 1/8"	1 1/4"	28.0	120	BBA14-111HMB-00	1MCG6 ✓	1,058.00	BBA14-111HEB-00	1MCG5 ✓	1,076.00
	1	120	5.0	4 1/4"	1 1/4"	28.0	66			BBA14-111SET-00	1MCG8 ✓	1,081.00	
	1	120	5.0	5 1/8"	1 1/4"	34.0	72	BBA14-111SMB-00	1MCG9 ✓	1,027.00	BBA14-111SEB-00	1MCG7 ✓	1,058.00
	1	240	4.5	5 1/8"	1 1/4"	26.0	74	BBA14-211SMB-00	1MCJ4 ✓	1,094.00	BBA14-211SEB-00	1MCJ3 ✓	1,102.00
	1	240	4.5	6 1/8"	1 1/4"	25.0	115	BBA14-211HMB-00	1MCJ2 ✓	1,102.00	BBA14-211HEB-00	1MCJ1 ✓	1,113.00
	2	120	5.0	5"	1 1/4"	50.0	66	—	—	BBA14-112SET-00	1MCH3 ✓	1,116.00	
	2	120	5.0	7 1/8"	1 1/4"	49.0	90	BBA14-112HMB-00	1MCH1 ✓	1,071.00	BBA14-112HEB-00	1MCH2 ✓	1,082.00
	2	240	4.5	7 1/8"	1 1/4"	39.0	100	BBA14-212HMB-00	1MCJ5 ✓	1,138.00	BBA14-212HEB-00	1MCJ6 ✓	1,116.00
800	3	120	5.2	7 5/8"	1 1/4"	75.0	50	BBA14-113SMB-00	1MCH5 ✓	1,076.00	BBA14-113SEB-00	1MCH4 ✓	1,085.00
	3	240	4.7	7 5/8"	1 1/4"	60.0	58	—	—	BBA14-213SEB-00	1MCJ8 ✓	1,131.00	
	3	240	4.7	7 5/8"	1 1/4"	50.0	86	—	—	BBA14-213HEB-00	1MCJ7 ✓	1,141.00	
	1	120	9.5	6 1/8"	1 1/4"	36.0	140	BBA14-121HMB-00	1MCJ6 ✓	1,294.00	—	—	—
	2	120	9.5	7 1/8"	1 1/4"	56.0	107	BBA14-122HMB-00	1MCJ7 ✓	1,308.00	—	—	—
1200	3	120	9.0	7 5/8"	1 1/4"	85.0	68	BBA14-123SMB-00	1MCJ9 ✓	1,286.00	BBA14-123SEB-00	1MCJ8 ✓	1,322.00
	1	240	10.5	6 1/8"	1 1/4"	46.0	176	BBA14-221HMB-00	1MCK1 ✓	1,363.00	BBA14-221HEB-00	1MCJ9 ✓	1,344.00
	2	240	10.5	7 1/8"	1 1/4"	80.0	137	BBA14-222HMB-00	1MCK3 ✓	1,348.00	BBA14-222HEB-00	1MCK2 ✓	1,388.00
	3	240	10.5	7 5/8"	1 1/4"	118.0	85	BBA14-223SMB-00	1MCK5 ✓	1,351.00	BBA14-223SEB-00	1MCK4 ✓	1,362.00

AMETEK
LAMB ELECTRIC



No. 12G952

7.2"- and 9.1"-Dia. Tangential Bypass Brushless DC Blowers

- Enclosure: open
- Mounting: all-position
- Max. ambient: 65°C
- Thermal protection: auto
- Bearings: ball
- Control: 0 to 48VDC

Compact, direct-drive design is smaller and lighter than most regenerative blowers. Feature variable-speed drive for optimum air performance at 50 or 60 Hz. Rapid motor acceleration capability is ideal for continuous cycling. For use in air knives, fume evacuation, material/pellet transfer, and water aeration.

Watts	Blower Stages	Voltage	Max. Amps	H	Discharge Dia.	Vacuum (H ₂ O Sealed)	CFM	Mfr. Model	Item No.	\$ Each
306	2	36 DC	26.5	8 1/8"	2"	105	96	121116-13	12G957 ✓	632.50
464	2	115	7.2	8 1/8"	2"	115	111	121114-13	12G956 ✓	632.50
504	2	120	14.7	8 1/8"	2"	120	114	121113-13	12G955 ✓	645.00
685	1	230	8.3	11 1/8"	2 1/4"	90	200	121119-00	12G954 ✓	653.50
724	1	230	7.9	11 1/8"	2 1/4"	70	300	121131-00	12G953 ✓	653.50
754	1	120	16.4	11 1/8"	2 1/4"	70	300	121118-00	12G952 ✓	653.50

HVAC Contractor Smart Kit/Pack



Smart Kit—Includes 20 bleed resistors, 60 vinyl insulated quick disconnects, 100 split lock washers, 50 machine screws, 100 nuts, 20 yellow and 20 brown wire nuts, 50 sheet metal screws, 20 wire jumpers, 5 capacitor boots, and 5 oval capacitor trap brackets.

Smart Pack—Includes 440VAC round capacitors (2 each of 45/5MFD and 35/5MFD), 440V oval capacitors (3 each of 5MFD, 7.5MFD, 10MFD, and 15MFD), 24V contactors (2 pole, 40FLA; 1 pole, 30FLA; and 2 pole, 30FLA), Smart Bag No. 19L414, and Smart Kit No. 19L415.

Description	Item No.	\$ Each
Smart Kit	19L415	64.35
Smart Pack	19L413	206.25
Smart Bag, 5 Pocket, Black/Red	19L414	38.95



No. 19L415



No. 19L413

How to Select a Power Factor Correction Capacitor

The most obvious benefit for correcting (improving) power factor in a facility is to reduce utility costs by reducing or eliminating the penalty for a low power factor. Another benefit is that additional loads can be added to the facility for the same installed KVA (transformer) and, in many cases, postpone the need for system additions or upgrades. Capacitor selection is based on the motor's horsepower, rpm, and voltage. To select the correct capacitor:

Step 1—Determine the motor's horsepower located under the "HP" column in the Power Factor Correction KVAR chart shown at right. For example, select "40 HP".

Step 2—Read across the row to select the correct motor rpm. For example, select the "1800 RPM" column. Where the row and column intersect is "12.5", the suggested maximum capacitor (KVAR) needed to correct the power factor of a 40-HP motor rated at 1800 rpm.

Step 3—In the table below find the "KVAR" column and read down the column to find "12.5". Reading across the row, there are 4 capacitors compatible with the motor: Nos. 16Y132 (240VAC, Nonfused), 16Y152 (240VAC, Fused), 16Y172 (480VAC, Nonfused), and 16Y196 (480VAC, Fused). Choose the one matching the motor voltage, with or without power fuses. Power fuses are required per the NEC if capacitors are installed on the line side of the motor starter.

HP	3600 RPM	1800 RPM	1200 RPM	900 RPM	720 RPM	600 RPM
1	0.5	0.75	1	1.5	1.5	2
1.5	0.75	1	1.5	2	2	2
2	1	1	2.5	3	3	3
3	1.5	1.5	2.5	3	3	3
5	2	2.5	3	3	3	5
7.5	2.5	3	3	5	5	5
10	3	3	5	5	7.5	7.5
15	5	5	5	7.5	7.5	10
20	5	5	7.5	7.5	12.5	17.5
25	7.5	7.5	7.5	10	12.5	17.5
30	7.5	7.5	10	12.5	15	22.5
40	10	12.5	15	17.5	22.5	25
50	12.5	17.5	20	20	22.5	30
60	15	20	20	25	30	35
75	20	20	25	27.5	30	40
100	20	30	30	35	40	45
125	25	35	35	40	45	50
150	30	40	40	50	50	60
200	35	50	50	60	60	90
250	40	60	60	75	85	100
300	45	60	75	100	100	120
350	50	75	90	120	120	135
400	75	75	100	130	140	150
450	75	90	120	140	160	160
500	100	100	150	160	180	180

Low-Voltage Power Factor Correction Capacitors



- Temp. range: -25° to 55°C
- Discharge time: 30 sec.
- Max. starts: 30 per hr.
- Max. rating: 45 KVAR at 240VAC, 75 KVAR at 480VAC
- 60 Hz
- NEMA 4 rated

A low power factor in your facility can cause voltage drops that lead to overheating and premature failure of motors and other inductive equipment. Capacitors help raise the power factor for greater efficiency of equipment, conductors, and motors. Allow additional loads to be added in your facility for the same KVA without the need for system additions or upgrades. A higher power factor can also reduce or eliminate the utility company's penalty for a low power factor. UL Listed.

KVAR*	240VAC, NON-FUSED		240VAC, FUSED		480VAC, NON-FUSED		480VAC, FUSED	
	Item No.	\$ Each	Item No.	\$ Each	Item No.	\$ Each	Item No.	\$ Each
0.5	16Y122	405.75	16Y142	561.00	16Y162	405.00	16Y186	589.00
0.75	16Y123	408.00	16Y143	563.00	16Y163	406.25	16Y187	590.00
1	16Y124	410.50	16Y144	565.50	16Y164	408.25	16Y188	591.50
1.5	16Y125	415.25	16Y145	571.00	16Y165	411.75	16Y189	595.00
2	16Y126	420.00	16Y146	574.50	16Y166	415.75	16Y190	599.00
2.5	16Y127	432.75	16Y147	586.50	16Y167	440.25	16Y191	602.00
3	16Y128	437.50	16Y148	593.00	16Y168	443.25	16Y192	605.50
5	16Y129	477.50	16Y149	629.00	16Y169	465.25	16Y193	628.50
7.5	16Y130	546.00	16Y150	832.00	16Y170	486.25	16Y194	647.50
10	16Y131	651.00	16Y151	928.00	16Y171	499.25	16Y195	659.00
12.5	16Y132	710.50	16Y152	1,002.00	16Y172	562.00	16Y196	854.50
15	16Y133	755.00	16Y153	1,120.00	16Y173	574.50	16Y197	875.50
17.5	16Y134	929.00	16Y154	1,174.00	16Y174	729.00	16Y198	1,015.00
20	16Y135	950.50	16Y155	1,202.00	16Y175	741.00	16Y199	1,028.00
25	16Y136	1,021.00	16Y156	1,279.00	16Y177	765.00	16Y202	1,070.00
27.5	16Y137	1,080.00	16Y157	1,331.00	16Y178	904.50	16Y203	1,122.00
30	16Y138	1,092.00	16Y158	1,650.00	16Y179	917.00	16Y204	1,171.00
35	16Y139	1,240.00	16Y159	1,835.00	16Y180	1,089.00	16Y205	1,336.00
40	16Y140	1,310.00	16Y160	1,909.00	16Y181	1,113.00	16Y206	1,364.00
45	16Y141	1,379.00	16Y161	2,013.00	16Y182	1,137.00	16Y207	1,394.00
50	—	—	—	—	16Y183	1,162.00	16Y208	1,424.00
60	—	—	—	—	16Y184	1,400.00	16Y209	2,260.00
75	—	—	—	—	16Y185	1,473.00	16Y210	2,352.00

* Table applies to 3-phase, 60Hz motors when switched with capacitors as a local correction (single unit). Power factor correction calculated to approximately 95%. If specific KVAR is not available, use next lower KVAR rating. For 208VAC 60Hz applications, derate the 240VAC capacitors. The KVAR at 208VAC will be 0.75 times the KVAR at 240VAC. Higher KVARs can be obtained by paralleling 2 or more units. i.e.: to obtain 100 KVAR, two 50 KVAR units can be used.



No. 16Y122



No. 22F163

MFD Rating	H	W	Item No.	\$ Each	MFD Rating	H	W	Item No.	\$ Each
370VAC									
2	1 1/2"	1 1/16"	22F163	5.27	2	1 1/2"	1 1/16"	22F172	5.27
3	1 1/2"	1 1/16"	22F164	5.49	3	1 1/2"	1 1/16"	22F173	5.49
4	1 1/8"	1 1/16"	22F165	5.71	4	1 1/8"	1 1/16"	22F174	5.71
5	1 1/8"	1 1/16"	22F166	5.93	5	1 1/8"	1 1/16"	22F175	5.93
7.5	2"	1 1/8"	22F167	8.96	7.5	2"	1 1/8"	22F176	8.96
8	2"	1 1/8"	22F168	9.40	8	2"	1 1/8"	22F177	9.40
10	2 1/4"	2 1/4"	22F169	11.02	10	2 1/4"	2 1/4"	22F178	11.02
12.5	2 1/4"	2 1/4"	22F170	12.53	12.5	2 1/4"	2 1/4"	22F179	12.53
15	2 1/4"	2 1/4"	22F171	14.03	15	2 1/4"	2 1/4"	22F180	14.03

Packard

Dry Motor Run Capacitors

▪ Temp. range: -40° to 85°C (-40° to 185°F)

Feature ABS case constructed with self-healing dielectric metallized polypropylene film, with 1/4" blade, quick-connect terminals, and metal tab mounting bracket. For use in blower, fan, and pump motors. RoHS Compliant and UL Recognized.



Dayton®

MFD Rating	Dia.	Overall H	Item No.	\$ Each
110-125VAC				
36-43	1 1/16"	2 3/4"	6FLK7	8.03
56-75	1 1/16"	2 3/4"	6FLL2	7.43
72-88	1 1/16"	2 3/4"	6FLL6	6.44
88-108	1 1/16"	2 3/4"	2MDN9	6.34
108-130	1 1/16"	2 3/4"	2MDR1	6.52
124-149	1 1/16"	2 3/4"	6FLK1	7.06
130-156	1 1/16"	2 3/4"	2MDR2	6.78
145-174	1 1/16"	2 3/4"	2MDR3	8.02
161-193	1 1/16"	2 3/4"	2MDR4	6.66
189-227	1 1/16"	2 3/4"	2MDR5	7.26
200-240	1 1/16"	2 3/4"	6FLK3	7.92
216-259	1 1/16"	2 3/4"	2MDR6	8.10
216-259	1 1/16"	3 3/4"	2MDR7	7.81
233-280	1 1/16"	2 3/4"	2MDR8	8.28
233-280	1 1/16"	3 3/4"	2MDR9	8.28
243-292	1 1/16"	2 3/4"	2MDT1	8.71
243-292	1 1/16"	3 3/4"	2MDT2	8.71
270-324	1 1/16"	3 3/4"	2MDT3	8.40
270-324	1 1/16"	2 3/4"	6FLK4	8.83
300-360	1 1/16"	4 3/4"	6FLK5	9.01
324-388	1 1/16"	2 3/4"	2MDT4	9.32
324-388	1 1/16"	3 3/4"	2MDT5	9.72
324-388	1 1/16"	3 3/4"	2MDT6	9.32
340-408	1 1/16"	3 3/4"	2MDT7	9.98
340-408	1 1/16"	3 3/4"	6FLK6	10.86
378-455	1 1/16"	3 3/4"	2MDT8	10.94
378-455	1 1/16"	3 3/4"	6FLK8	11.40
400-480	1 1/16"	3 3/4"	2MDT9	10.69
400-480	1 1/16"	3 3/4"	6FLK9	11.63
430-516	1 1/16"	3 3/4"	2MDU1	11.95
430-516	1 1/16"	3 3/4"	6FLL0	12.43
460-552	1 1/16"	3 3/4"	2MDU2	11.39
460-552	1 1/16"	3 3/4"	2MDU3	11.65
460-552	1 1/16"	4 3/4"	2MDU4	11.45
540-648	1 1/16"	4 3/4"	2MDU5	12.61
540-648	1 1/16"	3 3/4"	6FLL1	13.52
590-708	1 1/16"	4 3/4"	2MDU6	14.00
590-708	1 1/16"	3 3/4"	6FLL3	15.25
645-774	1 1/16"	4 3/4"	4UHC7	16.01
708-850	1 1/16"	4 3/4"	2MDU7	16.68
708-850	2 1/16"	4 3/4"	6FLL4	17.79
708-850	1 1/16"	3 3/4"	6FLL5	17.79
800-960	1 1/16"	3 3/4"	6FLL7	17.60
815-978	1 1/16"	4 3/4"	2MDU8	17.45
829-995	1 1/16"	4 3/4"	6FLL8	19.36
829-995	2 1/16"	4 3/4"	6FLL9	19.36
850-1020	2 1/16"	4 3/4"	6FLN0	20.09
1000-1200	2 1/16"	4 3/4"	2MDU9	20.68
1290-1548	2 1/16"	4 3/4"	6FLK2	25.20



No. 2MEW3

No. 2MEW6

No. 2MEY1

No. 2MEW1

No. 2MEV8

Mounting Brackets

Type	Item No.	Pkg. Qty.	\$ Pkg.
Mounting Brackets			
2 3/4" Length	2MEW5	5	5.32
3 3/4" Length	2MEW4	5	5.71
4 3/4" Length	2MEW3	5	8.85
End Caps (Bottom Lead Hole)			
1 1/8" Diameter with Bottom Lead Hole	2MEW6	5	8.16
1 1/8" Diameter with Bottom Lead Hole	2MEW7	5	9.92
2 1/16" Diameter with Bottom Lead Hole	2MEW8	5	11.00
2 1/16" Diameter with Bottom Lead Hole	2MEW9	5	12.58

Start Capacitor Accessories

Dayton®

Mounting Brackets—Use in conjunction with end caps to provide secure and electrically safe mounting.

End Caps—Provide weatherproofing for lead connections and facilitate mounting capacitor in bracket. With bottom lead hole, leads exit through bracket; with top lead hole, leads exit opposite bracket.

Type

End Caps (Top Lead Hole)

1 1/8" Diameter with Top Lead Hole

1 1/8" Diameter with Top Lead Hole

2 1/16" Diameter with Top Lead Hole

2 1/16" Diameter with Top Lead Hole

Resistors

2 Watt, 15,000 Ohm

2 Watt, 15,000 Ohm With 1/4" Female Terminals

Jumper Wire Sets

Includes 4" Wire with 1/4" Female Terminals

Includes 6" Wire with 1/4" Female Terminals

Resistors—Bleed off electrical charge when soldered across capacitor terminals. Prevent contact-point arcing and welding under rapid cycling.

Jumper Wire Sets—Connect 2 capacitors in series or parallel.

Item No.	Pkg. Qty.	\$ Pkg.
Resistors		
2MEW1	10	13.60
2MEW2	10	16.71
2MEW3	10	35.60
2MEW4	10	33.05
2MEW5	10	33.15
2MEW6	10	33.15
2MEW7	10	33.15
2MEW8	10	15.39
2MEW9	10	17.80



Run Capacitors

▪ Temp. range: -40° to 70°C (-40° to 158°F), except No. 39P226 is -40° to 85°C (-40° to 185°F)
 Aluminum, hermetically sealed capacitors improve the electrical performance of motors, air conditioners, and refrigeration equipment. PCB-free, the capacitors feature an aluminum case with steel cover and 1/4" male quick-connect terminals with plastic insulators. Protected to 10,000 AFC. RoHS compliant. UL and C-UL Recognized.



No. 2MDV7



No. 2MDX3



No. 2MEC1



No. 2MEF6



OVAL RUN CAPACITORS										ROUND RUN CAPACITORS									
MFD Rating	370VAC			440VAC			MFD Rating	370VAC			440VAC			Overall H	W	Dia.	Item No.	\$ Each	
Single Rated	Overall H	W	D	Item No.	\$ Each	Overall H	W	D	Item No.	\$ Each	Overall H	W	Dia.	Item No.	\$ Each	Overall H	W	Item No.	\$ Each
2	2 3/4"	2"	1 1/4"	2MDV1	6.26	2 3/4"	2"	1 1/4"	4UHA5	5.22	5	1 1/16"	3 1/4"	2MEC1	5.92	1 1/16"	3 1/4"	2MEG4	7.29
3	2 3/4"	2"	1 1/4"	2MDV2	6.72	2 3/4"	2"	1 1/4"	4UHA6	5.42	6	1 1/16"	3 1/4"	6FLP3	6.67	—	—	—	—
4	2 3/4"	2"	1 1/4"	2MDV3	6.92	2 3/4"	2"	1 1/4"	2MDY4	7.48	7.5	1 1/16"	3 1/4"	2MEC2	6.79	1 1/16"	3 1/4"	2MEG5	9.12
5	2 3/4"	2"	1 1/4"	2MDV4	7.18	2 3/4"	2"	1 1/4"	2MDY5	8.05	10	1 1/16"	3 1/4"	2MEC3	7.33	1 1/16"	3 1/4"	2MEG6	9.62
6	3 3/8"	2"	1 1/4"	2MDV5	7.77	2 3/4"	2"	1 1/4"	2MDY6	8.99	12.5	1 1/16"	3 1/4"	2MEC4	11.26	1 1/16"	3 1/4"	2MEG7	11.85
7.5	3 3/8"	2"	1 1/4"	2MDV6	7.75	2 3/4"	2"	1 1/4"	2MDY7	11.49	15	1 1/16"	3 5/8"	2MEC5	11.77	1 1/16"	3 5/8"	2MEG8	12.25
10	3 3/8"	2"	1 1/4"	2MDV7	9.22	3 3/8"	2"	1 1/4"	2MDY8	12.98	17.5	1 1/16"	3 5/8"	2MEC6	13.13	1 1/16"	3 5/8"	2MEG9	14.50
12.5	3 3/8"	2"	1 1/4"	2MDV8	11.55	3 3/8"	2"	1 1/4"	4UHA7	15.13	20	1 3/4"	3 5/8"	2MEC7	14.53	1 3/4"	3 5/8"	2MEH1	15.63
15	3 3/8"	2"	1 1/4"	2MDV9	13.15	3 3/8"	2"	1 1/4"	2MDY9	17.67	22.5	1 3/4"	3 5/8"	39P226	14.76	—	—	—	—
17.5	3 3/8"	2 3/4"	1 3/4"	2MDW1	16.70	3 3/8"	2 3/4"	1 3/4"	2MDZ1	20.31	25	1 3/4"	4 1/16"	2MCE8	14.97	1 3/4"	4 1/16"	2MEH2	16.55
20	3 1/16"	2 3/4"	1 3/4"	2MDW2	16.77	3 3/8"	2 3/4"	1 3/4"	2MDZ2	20.26	30	2"	4 5/8"	2MCE9	15.74	2"	4 5/8"	2MEH3	19.55
25	4 1/16"	2 3/4"	1 3/4"	2MDW3	19.15	4 5/8"	2 3/4"	1 3/4"	2MDZ3	20.37	35	2"	4 5/8"	2MEE1	15.97	2"	4 5/8"	2MEH4	21.88
25	—	—	—	—	—	4 5/8"	2 3/4"	1 3/4"	6FLN7	*	40	2"	4 5/8"	2MEE2	16.85	2"	4 5/8"	2MEH5	24.09
30	4 1/16"	2 3/4"	1 1/4"	2MDW4	22.39	4 5/8"	2 3/4"	1 3/4"	2MDZ4	27.30	45	2"	4 5/8"	2MEE3	17.42	2"	4 5/8"	2MEH6	28.35
35	4 1/16"	2 3/4"	1 1/4"	2MDW5	23.97	4 5/8"	2 3/4"	1 3/4"	2MDZ5	30.20	50	2"	5 1/4"	2MEE4	18.69	2"	5 1/4"	2MEH7	30.20
40	4 1/16"	2 3/4"	1 1/4"	2MDW6	26.75	4 5/8"	2 3/4"	1 3/4"	2MDZ6	31.95	55	2 3/4"	4 5/8"	4UHC3	24.90	2 3/4"	4 5/8"	2MEH8	33.00
45	4 1/16"	2 3/4"	1 1/4"	2MDW7	30.25	4 1/16"	2 3/4"	1 3/4"	2MDZ7	36.00	60	2 3/4"	5 1/4"	2MEE5	21.91	2 3/4"	5 1/4"	2MEH9	35.50
50	5 1/16"	2 3/4"	1 3/4"	2MDW8	32.25	5 1/16"	2 3/4"	1 3/4"	2MDZ8	40.15	70	2 3/4"	5 1/4"	6FLP4	26.15	2 3/4"	5 1/4"	6FLR8	41.05
55	5 1/16"	2 3/4"	1 3/4"	2MDW9	34.70	5 1/16"	2 3/4"	1 3/4"	2MDZ9	45.70	80	2 3/4"	5 1/4"	2MEE6	23.43	2 3/4"	5 1/4"	2MEJ1	46.45
60	5 5/8"	2 3/4"	1 3/4"	2MDX1	34.05	5 5/8"	2 3/4"	1 3/4"	2MEA1	46.70	100	2 1/2"	5 5/8"	6FLP2	32.70	—	—	—	—
70	5 5/8"	2 3/4"	1 3/4"	6FLN1	35.95	5 5/8"	2 3/4"	1 3/4"	6FLN8	49.15	—	—	—	—	—	—	—	—	—
80	5 5/8"	2 3/4"	1 3/4"	2MDX2	38.95	5 5/8"	2 3/4"	1 3/4"	4UHA8	50.30	—	—	—	—	—	—	—	—	—
Dual Rated										Dual Rated									
15/3	3 3/8"	2 3/4"	1 3/4"	6FLN2	18.30	—	—	—	—	—	20/5	—	—	—	—	2"	4 5/8"	4UHC6	20.55
15/4	3 3/8"	2 3/4"	1 3/4"	6FLN3	19.12	—	—	—	—	—	25/3	2"	4 5/8"	6FLP5	23.94	—	—	—	—
15/5	3 3/8"	2 3/4"	1 3/4"	2MDX3	21.99	3 3/8"	2 3/4"	1 3/4"	6FLN9	25.05	25/4	2"	4 5/8"	12N967	17.72	—	—	—	—
17.5/5	3 3/8"	2 3/4"	1 3/4"	2MDX4	23.12	—	—	—	—	—	25/5	2"	4 5/8"	2MEE7	20.52	2"	4 5/8"	2MEJ2	20.76
20/5	4 1/16"	2 3/4"	1 3/4"	2MDX5	23.60	—	—	—	—	—	25/7.5	—	—	—	—	2"	4 5/8"	6FLR9	21.76
25/5	4 1/16"	2 3/4"	1 3/4"	2MDX6	25.65	4 5/8"	2 3/4"	1 3/4"	2MEA2	26.85	30/3	2"	4 5/8"	6FLP6	22.53	2"	4 5/8"	6FLT0	24.65
30/5	4 1/16"	2 3/4"	1 3/4"	2MDX7	27.65	4 5/8"	2 3/4"	1 3/4"	2MEA3	27.45	30/4	2"	4 5/8"	6FLP7	20.77	—	—	—	—
30/7.5	4 1/16"	2 3/4"	1 3/4"	4UGZ8	27.05	4 5/8"	2 3/4"	1 3/4"	4UHA9	23.55	30/5	2"	4 5/8"	2MEE8	19.73	2"	4 5/8"	2MEJ3	25.25
35/3	4 1/16"	2 3/4"	1 3/4"	6FLN5	28.20	4 5/8"	2 3/4"	1 3/4"	6FLP0	28.55	30/7.5	2"	4 5/8"	4UHC4	21.47	2"	4 5/8"	2MEJ4	28.40
35/4	4 1/16"	2 3/4"	1 3/4"	6FLN6	30.50	—	—	—	—	—	35/3	2"	4 13/16"	6FLP8	26.55	2"	4 13/16"	6FLT1	28.00
35/5	4 1/16"	2 3/4"	1 3/4"	2MDX8	27.90	4 5/8"	2 3/4"	1 3/4"	2MEA4	34.10	35/4	—	—	—	—	2"	4 13/16"	6FLT2	29.40
35/7.5	5 1/4"	2 3/4"	1 3/4"	2MDX9	31.40	5 1/4"	2 3/4"	1 3/4"	4UHC1	34.15	35/5	2 3/4"	4 5/8"	2MEE9	19.73	2 3/4"	4 5/8"	2MEJ5	27.05
35/10	5 1/4"	2 3/4"	1 3/4"	6FLN4	33.95	—	—	—	—	—	35/7.5	2 3/4"	4 5/8"	2MEE1	20.90	2 3/4"	4 5/8"	2MEJ6	30.25
40/5	5 1/4"	2 3/4"	1 3/4"	2MDY1	31.70	5 1/4"	2 3/4"	1 3/4"	2MEA5	35.95	40/3	2 3/4"	4 5/8"	6FLP9	20.67	2 3/4"	4 5/8"	6LT13	30.95
40/7.5	5 1/4"	2 3/4"	1 3/4"	2MDY2	36.20	5 1/4"	2 3/4"	1 3/4"	4UHC2	37.70	40/5	2 3/4"	4 5/8"	2MEE2	20.27	2 3/4"	4 5/8"	2MEJ7	29.20
40/7.5	—	—	—	—	—	5 1/4"	2 3/4"	1 3/4"	12N964	30.50	40/7.5	2 3/4"	5 1/4"	2MEE3	23.43	2 3/4"	5 1/4"	2MEJ8	33.30
40/10	5 1/4"	2 3/4"	1 3/4"	12N962	27.80	—	—	—	—	—	45/3	2 3/4"	5 1/4"	6FLR0	24.34	2 3/4"	5 1/4"	6LT4	25.15
45/5	5 1/4"	2 3/4"	1 3/4"	2MDY3	34.75	5 1/4"	2 3/4"	1 3/4"	2MEA6	38.95	45/5	2 3/4"	5 1/4"	2MEE4	22.78	2 3/4"	5 1/4"	2MEJ9	29.55
45/10	5 1/4"	2 3/4"	1 3/4"	12N963	32.25	—	—	—	—	—	45/7.5	2 3/4"	5 1/4"	2MEE5	25.50	2 3/4"	5 1/4"	2MEK1	34.10
50/5	5 5/8"	2 3/4"	1 3/4"	4UGZ9	36.55	6 5/8"	2 3/4"	1 3/4"	2MEA7	45.55	50/3	2 3/4"	5 1/4"	6FLR2	28.00	—	—	—	—
55/5	6 5/8"	2 3/4"	1 3/4"	4UHA1	37.70	6 5/8"	2 3/4"	1 3/4"	2MEA8	49.05	50/5	2 3/4"	5 1/4"	2MEE6	25.75	2 3/4"	5 1/4"	2MEK2	32.05
55/7.5	6 5/8"	2 3/4"	1 3/4"	4UHA2	38.90	—	—	—	—	—	50/7.5	2 3/4"	5 1/4"	2MEE7	28.60	2 3/4"	5 1/4"	2MEK3	32.50
55/10	—	—	—	—	—	6 5/8"	2 3/4"	1 3/4"	6FLP1	48.95	50/10	2 3/4"	5 1/4"	6FLR1	31.00	—	—	—	—
60/5	6 5/8"	2 3/4"	1 3/4"	4UHA3	46.85	6 5/8"	2 3/4"	1 3/4"	2MEA9	57.20	55/5	2 3/4"	5 1/4"	2MEE8	32.20	2 3/4"	5 1/4"	2MEK4	35.10
60/7.5	6 5/8"	2 3/4"	1 3/4"	4UHA4	48.05	—	—	—	—	—	55/7.5	2 3/4"	5 1/4"	6FLR4	35.35	2 3/4"	5 1/4"	2MEK5	38.65
60/10	—	—	—	—	—	—	—	—	—	—	55/10	2 1/2"	5 1/4"	6FLR3	41.05	—	—	—	—
60/3	—	—	—	—	—	—	—	—	—	—	60/3	—	—	—	—	2 1/2"	5 1/4"	6FLT5	45.15
60/5	2 1/2"	5 1/4"	—	—	—	—	—	—	—	—	60/5	2 1/2"	5 1/4"	2MEE9	37.25	2 1/2"	5 1/4"	2MEK6	45.50
60/7.5	2 1/2"	5 1/4"	—	—	—	—	—	—	—	—	60/7.5	2 1/2"	5 1/4"	2MEE1	39.80	2 1/2"	5 1/4"	2MEK7	47.50
60/10	—	—	—	—	—	—	—	—	—	—	60/10	—	—	—	—	—	—	—	—
70/5	2 3/4"	5 5/8"	—	—	—	—	—	—	—	—	70/5	2 3/4"	5 5/8"	6FLR5	44.15	2 3/4"	5 5/8"	6FLT6	45.25
70/7.5	2 3/4"	5 5/8"	—	—	—	—	—	—	—	—	70/7.5	2 3/4"	5 5/8"	6FLR6	47.95	2 3/4"	5 5/8"	6FLT7	46.35
80/5	2 3/4"	5 5/8"	—	—	—	—	—	—	—	—	80/5	2 3/4"	5 5/8"	2MEE2	40.95	2 3/4"	5 5/8"	2MEK9	89.15
80/7.5	2 3/4																		



No. 5JNPO

Capacitor Kit and Replenishment Items

An all-in-one replacement kit for both single- and dual-run capacitors. Suitable for most single capacitor ratings and for 48 of the most common ratings in both 370 and 440VAC applications. Kit allows 2 capacitors of different ratings to be combined in order to achieve the exact rating for an application using parallel capacitance technology. Includes 6 Proline capacitors (5, 10, 15, 25/5, 45/5, and 55/7.5 MFD 440V) 60/50 Hz., 2 "spider" connector devices, 3 connector device

Item	Mfr. Model	Item No.	Pkg. Qty.	\$ Pkg.
Capacitor Kit	LCKP-001	5JNPO	✓ 1	125.70
Replenishment Items				
Connector Device Mounting Bracket	LCK-DBA-001	5JNN7	3	5.68
Capacitor Mounting Bracket	LCK-SBA-001	5JNN8	3	7.50
Connector Device	LCK-CID-001	5JNN9	4	76.45

mounting brackets, 3 capacitor mounting brackets with hardware, and a carrying case (5½" H x 11½" W x 8"D). Connector Device Mounting Bracket No. 5JNN7 helps mount connector device to capacitor.

Capacitor Mounting Bracket No. 5JNN8 helps mount the capacitor to the control box of the system. Includes hardware.

Connector Device No. 5JNN9 connects 2 capacitors to create the desired MFD rating.

Capacitors are UL and C-UL Recognized. RoHS compliant. Connector Device No. 5JNN9 is UL Recognized.

Life-Line™



Oval, Single Rated

Round, Dual Rated

PROLINE™ CAPACITORS

Run Capacitors

- Temp. range: -40° to 70°C
- Contain an innovative pressure-sensitive interrupter
- Aluminum case with steel cover. 60/50 Hz. ¼" male terminals. For use where capacitors are used in conjunction with permanent split capacitor motors. Meet or exceed IEC-252 Class B Standard. UL and C-UL Recognized. RoHS compliant.

MFD Rating	370VAC			OVAL RUN CAPACITOR 440VAC						
	Overall H	W	D	Item No.	\$ Each	Overall H	W	D	Item No.	\$ Each
Single Rated										
2	2 1/16"	2 1/16"	1 1/4"	5CMU9	7.34	2 1/16"	1 1/4"	2 1/16"	11K714	6.91
3	2 1/16"	2 1/16"	1 1/4"	5CMU0	7.60	2 1/16"	1 1/4"	2 1/16"	11K715	7.29
4	2 1/16"	2 1/16"	1 1/4"	5CMU1	7.91	2 1/16"	2 1/16"	1 1/4"	5CMY1	9.05
5	2 1/16"	2 1/16"	1 1/4"	5CMU2	8.18	2 5/8"	2 1/16"	1 1/4"	5CMY2	8.78
6	2 9/16"	2 1/16"	1 1/4"	5CMU3	8.88	2 9/16"	2 1/16"	1 1/4"	5CMY3	9.24
7.5	2 9/16"	2 1/16"	1 1/4"	5CMU4	8.80	3 3/8"	2 1/16"	1 1/4"	5CMY4	12.77
10	3 3/8"	2 1/16"	1 1/4"	5CMU5	10.49	3 3/8"	2 1/16"	1 1/4"	5CMY5	14.71
12.5	3 3/8"	2 1/16"	1 1/4"	5CMU7	13.20	4 1/8"	2 1/16"	1 1/4"	11K716	15.08
15	3 3/8"	2 1/16"	1 1/4"	5CMU8	13.91	5 1/4"	2 1/16"	1 1/4"	5NC8	19.77
30	3 3/8"	2 3/4"	1 1/4"	5CMV5	24.63	4 3/8"	2 3/4"	1 1/4"	5CMZ2	29.20
35	4 3/8"	11 1/4"	2 3/4"	11K726	23.58	4 3/8"	2 3/4"	1 1/4"	5CMZ5	32.35
40	4 3/8"	2 3/4"	1 1/4"	5CMW2	28.65	4 3/8"	2 3/4"	1 1/4"	5CNA0	35.55
50	3 3/8"	3 3/8"	1 7/8"	5CMW8	34.55	4 3/8"	3 3/8"	1 7/8"	5CNA7	43.20
55	4 3/8"	1 7/8"	3 3/8"	11K727	33.95	5 1/4"	3 3/8"	1 7/8"	5CNC1	49.05
Dual Rated										
10/10	2 9/16"	2 3/4"	1 1/4"	5CMU6	24.80	3 3/8"	1 1/4"	2 9/16"	11K717	23.11
15/15	3 3/8"	2 3/4"	1 1/4"	5CMU9	23.36	3 3/8"	1 1/4"	2 9/16"	11K718	24.89
25/25	3 3/8"	2 3/4"	1 1/4"	5CMV3	28.25	4 3/8"	1 1/4"	2 9/16"	11K719	26.10
30/30	4 3/8"	2 3/4"	1 1/4"	5CMV7	30.55	4 3/8"	1 1/4"	2 9/16"	11K720	28.55
35/35	4 3/8"	2 3/4"	1 1/4"	5CMW0	34.70	5 1/4"	1 1/4"	2 9/16"	11K721	30.90
ROUND RUN CAPACITOR										
370VAC										
MFD Rating	Overall Dia.	Item No.	\$ Each	Dia.	Overall H	Item No.	\$ Each	Overall Dia.	Item No.	\$ Each
Single Rated										
12.5	1 3/4"	3 3/8"	11K728	14.54	1 3/4"	3 3/8"	5CMY6	17.09		
15	1 3/4"	3 3/8"	11K729	17.84	1 3/4"	3 3/8"	5CMY7	18.84		
20	1 3/4"	3 3/8"	5CMV0	21.35	1 3/4"	3 3/8"	5CMY8	22.20		
25	1 3/4"	3 3/8"	5CMV1	20.90	1 3/4"	4 3/8"	5CMY9	23.45		
30	1 3/4"	4 3/8"	5CMV4	21.97	1 3/4"	4 3/8"	5CMZ1	25.65		
35	1 3/4"	4 3/8"	5CMV8	29.90	2"	4 3/8"	5CMZ4	29.65		
40	1 3/4"	4 3/8"	5CMW1	27.90	1 3/4"	5 1/4"	5CMZ9	32.40		
45	1 3/4"	5 1/4"	5CMW4	29.20	2"	4 3/8"	5CNA3	39.45		
50	1 3/4"	5 1/4"	5CMW7	30.95	2"	6 1/4"	5CNA6	39.65		
55	1 3/4"	5 1/4"	11K730	29.70	2 1/2"	5 1/4"	5CNC0	45.50		
60	1 3/4"	5 1/4"	5CMX3	40.05	2 1/2"	5 1/4"	5CNC4	41.25		
80	2 1/2"	5 1/4"	5CMX8	43.00	2 1/2"	5 1/4"	5CNC7	45.75		
Dual Rated										
25/25	2"	3 3/8"	5CMV2	22.54	2"	4 3/8"	5CMZ0	26.90		
30/30	2"	3 3/8"	5CMV6	22.54	2"	4 3/8"	5CMZ3	31.05		
35/35	2 1/2"	4 3/8"	11K731	19.68	2"	5 1/4"	5CMZ7	30.65		
35/35	2"	4 3/8"	5CMV9	21.76	2 1/2"	3 3/8"	5CMZ6	30.45		
35/35	2"	4 3/8"	11K732	20.15	2"	5 1/4"	5CMZ8	30.95		
40/40	2"	4 3/8"	5CMW3	24.15	2 1/2"	3 3/8"	5CNA1	38.90		
40/40	2"	4 3/8"	11K733	22.96	2"	5 1/4"	5CNA2	35.60		
45/45	2"	4 3/8"	5CMW5	30.80	2 1/2"	4 3/8"	5CNA4	39.10		
45/45	2"	4 3/8"	5CMW6	34.25	2 1/2"	4 3/8"	5CNA5	40.25		
50/50	2"	4 3/8"	5CMW9	37.05	2 1/2"	4 3/8"	5CNA8	40.85		
50/50	2"	5 1/4"	5CMX0	37.65	2 1/2"	5 1/4"	5CNA9	42.85		
55/55	2 1/2"	4 3/8"	5CMX1	40.95	2 1/2"	5 1/4"	5CNC2	40.25		
55/55	2 1/2"	4 3/8"	5CMX2	42.40	2 1/2"	5 1/4"	5CNC3	44.35		
60/60	2 1/2"	4 3/8"	5CMX4	42.70	2 1/2"	5 1/4"	5CNC5	43.55		
60/60	2 1/2"	5 1/4"	5CMX5	44.40	2 1/2"	5 1/4"	5CNC6	44.40		
70/70	2 1/2"	5 1/4"	5CMX6	44.65	2 1/2"	5 1/4"	11K722	41.55		
70/70	2 1/2"	5 1/4"	5CMX7	45.60	2 1/2"	5 1/4"	11K723	42.95		
80/80	2 1/2"	5 1/4"	5CMX9	44.40	2 1/2"	5 1/4"	11K724	43.65		
80/80	2 1/2"	5 1/4"	5CMY0	46.50	2 1/2"	5 1/4"	11K725	44.50		



TITAN PRO™ Run Capacitors

- Temp. range: -40° to 70°C

The dielectric is made of metallized polypropylene film, and the dielectric coils are impregnated under vacuum and high temperature with an innovative biodegradable oil. 60/50 Hz. ¼" male terminals. UL Recognized.

MFD Rating	OVAL RUN CAPACITOR 440VAC/370VAC			ROUND RUN CAPACITOR 440VAC/370VAC						
	Overall H	W	D	Item No.	\$ Each	Overall Dia.	Item No.	\$ Each		
Single Rated										
2	2 3/4"	2"	1 1/4"	30D576	9.04	5	1 3/4"	2 1/2"	30D623	7.35
2.5	2 3/4"	2"	1 1/4"	30D577	9.51	7.5	1 3/4"	2 1/2"	30D627	10.04
3	2 3/4"	2"	1 1/4"	30D581	8.37	10	1 3/4"	2 1/2"	30D613	11.61
4	2 3/4"	2"	1 1/4"	30D584	8.31	12.5	1 3/4"	2 1/2"	30D614	13.51
5	2 3/4"	2"	1 1/4"	30D587	8.64	15	1 3/4"	3 1/4"	30D615	14.83
6	3 3/8"	2"	1 1/4"	30D590	9.85	17.5	1 3/4"	3 1/4"	30D616	17.91
7.5	2 3/4"	2"	1 1/4"	30D592	10.39	20	1 3/4"	3 1/4"	30D617	16.74
10	3 3/8"	2"	1 1/4"	30D572	12.36	25	1 3/4"	3 1/4"	30D618	17.33
12.5	3 3/8"	2"	1 1/4"	30D573	13.23	30	2"	3 5/8"	30D619	18.44
15	3 3/8"	2"	1 1/4"	30D574	13.77	35	2"	3 5/8"	30D620	20.15
17.5	4 3/8"	2"	1 1/4"	30D575	17.01	40	2"	4 1/4"	30D621	22.38
20	3 9/16"	2 1/2"	1 1/4"	30D578	19.50	45	2"	4 1/4"	30D622	26.50
25	3 9/16"	2 1/2"	1 1/4"	30D579	20.31	50	2"	4 1/4"	30D624	27.95
30	3 1/4"	2 1/2"	1 1/4"	30D582	23.16	55	2"	5 1/4"	30D625	32.45
35	4 3/8"	2 1/2"	1 1/4"	30D583	26.55	60	2"	5 5/8"	30D626	35.40
50	5 1/4"	2 1/2"	1 1/4"	30D589	36.40	70	2.5"	4 4/4"	30D628	42.90
55	5 1/4"	3 1/2"	1 1/4"	30D591	38.00	80	2 1/2"	4 1/4"	30D629	47.00
Dual Rated										
15/15	3 3/8"	2 3/4"	1 1/4"	30D593	23.89	20/20	2"	3 5/8"	30D631	25.95
15/15	3 3/8"	2 3/4"	1 1/4"	30D594	24.03	25/25	2"	4 1/4"	30D630	28.80
20/20	4 3/8"	2 3/4"	1 1/4"	30D595	30.75	25/25	2"	3 5/8"	30D633	22.31
25/25	3 1/4"	2 3/4"	1 1/4"	30D597	28.35	25/25	2"	4 1/4"	30D634	27.20
25/25	3 1/4"	2 3/4"	1 1/4"	30D598	29.05	30/30	2"	4 1/4"	30D632	30.35
30/30	3 1/4"	2 3/4"	1 1/4"	30D596	32.00	30/30	2"	4 1/4"	30D635	24.01
30/30	4 3/8"	2 3/4"	1 1/4"	30D601	27.80	35/35	2"	4 5/8"	30D640	30.95
30/30	4 3/8"	2 3/4"	1 1/4"	30D602	30.75	40/40	2 1/2"	3 5/8"	30D641	33.10
35/35	4 3/8"	2 3/4"	1 1/4"	30D603	29.90	40/40	2"	4 1/4"	30D642	28.20
35/35	4 3/8"	2 3/4"								

U-Frame Adapt-O-Mounts

Note: Not for ceiling or sidewall installations.



Converts NEMA U Frames	Converts to NEMA T Frames	H	W	L	Item No.	\$ Each
182 or 184	143T or 145T	1"	2 1/4"	7 1/2"	3M130	36.40
213 or 215	182T or 184T	3/4"	1 1/8"	9 1/2"	3M131	61.55
254U or 256U	213T or 215T	1"	2 1/2"	13"	3M132	60.90
284U or 286U	254T or 256T	3/4"	2 1/2"	14 1/2"	3M367	85.00
324U or 326U	284T or 286T	1"	3"	16"	3M368	117.50



No. 3M130

Adjustable Slide Rails

Use to position mounted NEMA and NEC motors for proper belt tension during installation and at later maintenance checks. Suitable for motor belt adjustments in fan, blower, pump, and compressor



applications. Include 4 motor mounting bolts and 2 adjusting bolts.

Note: Not for ceiling or side wall installations.

For NEMA Frame	Bolt Size	H	W	L	Item No.	\$ Each
56/140	5/16"	1 1/8"	3 1/8"	12"	6YTP6	87.30
180/210	3/8"	1 1/4"	5 1/2"	15"	6YTP7	136.20
250/280	1/2"	2"	7 3/8"	19 1/4"	6YTP8	192.25
320/360	5/8"	2 1/2"	9 1/4"	25 1/2"	6YTP9	366.75



No. 6YTP6

Adjustable Steel Motor Bases

Use to position mounted motor for proper belt tension during initial installation and at later maintenance checks. 4 motor mounting bolts included.



Note: Not for ceiling or sidewall installations.

For NEMA Frame*	Bolt Size	H	W	L	Item No.	\$ Each
Single Bolt						
56	5/16"	1 1/8"	6 1/2"	10 5/8"	3M276	30.85
143	5/16"	1 1/8"	7 1/2"	10 1/2"	3M277	43.45
145	5/16"	1 1/8"	8 1/2"	10 1/2"	3M278	40.75
182	3/8"	1 1/8"	9 1/2"	12 3/4"	3M279	47.70
184	3/8"	1 1/8"	10 1/2"	12 3/4"	3M280	44.00
213	3/8"	1 3/4"	11"	15"	3M281	68.40
215	3/8"	1 3/4"	12 1/2"	15"	3M282	59.50
Double Bolt						
254	1/2"	2"	15 1/8"	17 3/4"	2M512	114.95
256	1/2"	2"	16 1/8"	17 3/4"	2M513	116.80
284	1/2"	2"	16 7/8"	19 3/4"	2M514	127.90
286	1/2"	2"	18 3/8"	19 3/4"	2M515	127.90
324	5/8"	2 1/2"	19 1/4"	22 3/4"	2M516	189.00
326	5/8"	2 1/2"	20 1/4"	22 3/4"	2M517	201.25
364	5/8"	2 1/2"	20 1/2"	25 1/2"	2M518	254.25
365	5/8"	2 1/2"	21 1/2"	25 1/2"	2M519	254.25
404	3/4"	3"	22 3/8"	28 3/4"	2M520	375.25
405	3/4"	3"	23 3/8"	28 3/4"	2M521	375.25
444	3/4"	3"	24 3/8"	31 1/4"	2M522	537.50
445	3/4"	3"	26 3/8"	31 1/4"	2M523	538.00
447	3/4"	3"	30 1/8"	31 1/4"	2M524	537.50
449	3/4"	3"	35 1/8"	31 1/4"	2M525	556.50



No. 3M276



No. 2M512

* May also be used if the motor frame is succeeded by S, T, TS, U, US, or any letter combination as long as the motor complies with NEMA.

Adjustable Pivot Bases

Use to tension a motor belt where motor is above or below the drive unit. Allow easy access to adjustment screws on top of plate. Belt tension can be adjusted without loosening the motor hold-down bolts, and alignment maintained when changing



belt. Suitable for use in blower, compressor, fan, mixer, and pump applications where belt adjustment is required. Include 1 adjustment bolt.

Note: Not for ceiling or side wall installations.

For NEMA Frame	H	W	L	Item No.	\$ Each
143/145	3 1/2"	7 1/2"	15"	6YTR0	70.15
182/184, 213/215	3"	11"	16 3/4"	6YTR1	109.75
254/256, 284/256	3 1/2"	15"	20"	6YTR2	183.25



No. 6YTR0

Automatic Motor Bases

Adjust belt tension automatically while motor is in use. Ideal for motors that are difficult to access. Bases maintain proper belt tension to help reduce operating stress and increase the life of belts and



bearings. Suitable for use in blower, compressor, fan, mixer, and pump applications. Include 1 adjustment bolt.

Note: Not for ceiling or side wall installations.

For NEMA Frame	H	W	L	Item No.	\$ Each
56	1 3/8"	6 1/8"	9 1/2"	6YTR3	166.75
143/145	1 1/8"	8 1/2"	11 1/16"	6YTR4	282.50
182/184	2 1/8"	9 9/16"	14 1/16"	6YTR5	476.00
213/215	2 3/8"	11 1/4"	16 3/8"	6YTR6	643.00
254/256	3 1/8"	15 1/2"	19 1/2"	6YTR7	912.00
284/286	3 3/8"	17"	22 1/8"	6YTR8	1,072.00
324/326	4 1/16"	18 1/8"	29 1/8"	6YTR9	2,852.00
364/365	4 1/16"	20"	32"	6YTT0	3,910.00
404/405	4 1/8"	22 1/4"	34 1/8"	6YTT1	4,168.00
444/445	4 1/4"	24 1/8"	37 1/8"	6YTT2	5,334.00
447	4 3/16"	27 1/8"	37 1/2"	6YTT3	6,608.00



No. 6YTR3

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for motor selection guidelines, standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.

MOTORS

Motor Mounting Accessories

Dayton®

Welded 3-Ring Brackets

Include adjustable motor bracket with welded rings and 3 rubber grommets for mounting to blower housing.

Fits Blower Wheel Dia.	For NEMA Frame	Item No.	\$ Each
5"	42	2MEV2	18.89
10"	48	2MEV4	17.99



No. 2MEV2

Dayton®

Band/Lug Mounting Kit

Lug mounting kit for 3"- to 7"-dia. motors. $\frac{1}{4}$ " x $\frac{7}{8}$ " slots. Enlarges to $\frac{3}{4}$ " x $\frac{15}{16}$ ". For NEMA 48 frame motors. Kit includes lugs and band.

Item No.	\$ Each
3M133	21.23

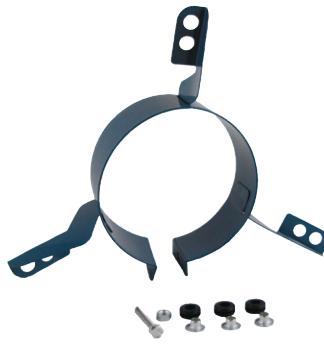


Dayton®

3-Leg Torsion-Flex Brackets

Designed to effectively isolate and prevent torsional vibrations from reaching blower housing and causing noise. No preassembly; bracket clamps to motor shell. Plastic inserts supplied for adapting bracket to NEMA 42 frame.

Fits Blower Wheel Dia.	For NEMA Frame	Item No.	\$ Each
9 or 10"	42	2MEY5	20.82
9 or 10"	48	2MEY6	19.83
9 or 10" 42 and 48		2MEY7	20.99



No. 2MEY5

Dayton®

Rubber Grommet Kits

Use isolators in combination with mounting brackets to eliminate excess vibration.

Outside Dia.	Item No.	Pkg. Qty.	\$ Pkg.
$\frac{11}{16}$ " and $\frac{7}{8}$ "	2MEV3	6	8.90
$\frac{7}{8}$ " and 1"	2MEV5	3	12.13



No. 2MEV3



No. 2MEV5



AEGIS
BEARING PROTECTION RING

Shaft Grounding Rings

Help extend motor life by safely diverting harmful VFD-induced shaft voltages away from motor's bearings to ground. Protect both motor bearings and the bearings in attached equipment. Aluminum construction. Include mounting brackets.

Dayton®

Butt-Mount Bracket

Galvanized stamped-steel bracket mounts 5 $\frac{5}{8}$ "-dia. motors in Rheem-Ruud condensing units. For NEMA 48 frame motors.

Item No.	\$ Each
2MEV6	23.34



Dayton®

Double-Wire Band/Lug Mounting Kits

Solid double-wire construction with lock-on hangers for extra security. Kits include lugs and band. No. 4UEY9 has extra-long lugs to accommodate 6 $\frac{7}{16}$ "- to 11 $\frac{1}{16}$ "-dia. bolt circles.

For NEMA Frame	Item No.	\$ Each
42	4UEY9	29.05
48	3LC31	21.84



No. 4UEY9

No. 3LC31

Dayton®

Torsion-Flex Bracket Kit

Replaces mounting bracket on direct-drive blowers in Rheem furnaces. Includes 8 mounting screws. For NEMA 48 frame motors with 10" blower wheel.

Item No.	\$ Each
2MEV7	22.45



Dayton®

4-Leg Torsion-Flex Bracket

Helps isolate and prevent torsional vibrations from reaching blower housing and causing noise.

For Use With	Item No.	\$ Each
5 $\frac{5}{8}$ "-dia. Motors	12N970	21.84



Dayton®

Vibration Isolator

Helps reduce noise and vibration.

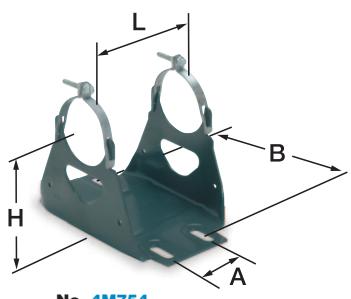
Size	Item No.	Pkg. Qty.	\$ Pkg.
$\frac{3}{8} \times \frac{5}{8} \times \frac{3}{8}$ "	12N971	4	32.50



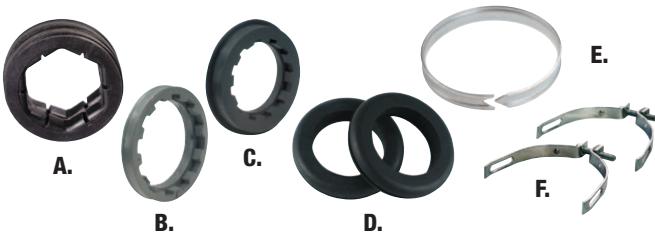
Fits Shaft Dia.	For Use With	Item No.	\$ Each
Grounding Rings			
$\frac{5}{8}$ "	Motor Frames 56	14R028	189.00
$\frac{7}{8}$ "	Motor Frames 143T, 145T	14R029	203.75
$1\frac{1}{8}$ "	Motor Frames 182T, 184T	14R030	218.00
$1\frac{3}{8}$ "	Motor Frames 213T, 215T	14R031	232.75
$1\frac{5}{8}$ "	Motor Frames 254T, 256T, 284TS, 286TS	14R032	296.75
$1\frac{7}{8}$ "	Motor Frames 284T, 286T, 324TS, 326TS, 364TS, 365TS	14R033	326.75
$2\frac{1}{8}$ "	Motor Frames 324T, 326T, 404TS, 405TS	14R034	364.25
$2\frac{3}{8}$ "	Motor Frames 364T, 365T, 444TS, 445TS, 447TS, 449TS	14R035	393.50
$2\frac{7}{8}$ "	Motor Frames 404T, 405T	14R036	510.50
$3\frac{3}{8}$ "	Motor Frames 444T, 445T, 447T, 449T	14R037	686.50
Mounting Epoxy			
5 Min., (2) 7g syringe		14C789	230.75



No. 22F190



No. 4M754



Dayton **genteq** **Century**

Formerly A.O. Smith Electrical Products Company
A Regal Beloit Company

Resilient Ring Mounting Bases and Accessories

RESILIENT RING MOUNTING BASES

Use to mount shaded-pole and permanent split-capacitor ring-mount motors in direct-drive heating and air conditioning applications. Set of mounting latches included.

MOTOR MOUNTING RINGS

Resilient-mount rubber rings reduce vibration and are designed to replace mounting rings.

MOTOR MOUNTING ACCESSORIES

Split Rings

Overlapping aluminum split ring adapters enlarge $\frac{1}{4}$ "-dia. resilient frame mounting rings to $\frac{1}{2}$ " dia.

Latches

Mounting latches fasten the motor to the cradle.

Motor Body Dia.	Ring to Ring Center L	Ring Dia.	Mounting Holes O.C. A	Shaft H	Brand	Mfr. Model	Item No.	\$ Each
Resilient Ring Mounting Bases								
		$3\frac{1}{16}$ "	$2\frac{1}{8}$ "	$1\frac{5}{8}$ "	Dayton	—	22F205	20.71
		$3\frac{1}{16}$ "	$2\frac{1}{8}$ "	$1\frac{3}{4}$ "	Dayton	—	22F191	20.71
		$4\frac{1}{4}$ "	$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	Dayton	—	22F192	20.71
		$4\frac{1}{4}$ "	$2\frac{1}{2}$ "	$4"$	Dayton	—	22F206	20.71
		$4\frac{1}{4}$ "	$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	Dayton	—	22F193	20.71
		$4\frac{3}{8}$ "	$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	Dayton	—	22F207	20.71
		$4\frac{3}{8}$ "	$2\frac{1}{2}$ "	$4\frac{1}{4}$ "	Dayton	—	22F194	20.71
		$3\frac{3}{8}$ "	$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	Dayton	—	22F204	20.71
		$3\frac{3}{8}$ "	$2\frac{1}{2}$ "	$4\frac{1}{4}$ "	Dayton	—	22F190	20.71
		$4\frac{3}{4}$ "	$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	Dayton	—	22F208	20.71
		$4\frac{3}{4}$ "	$2\frac{1}{2}$ "	$1\frac{1}{4}$ "	Dayton	—	22F195	20.71
		$4\frac{7}{8}$ "	$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	Dayton	—	22F209	20.71
		$4\frac{7}{8}$ "	$2\frac{1}{2}$ "	$1\frac{1}{4}$ "	Dayton	—	22F196	20.71
		$5"$	$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	Dayton	—	22F210	20.71
		$5"$	$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	Dayton	—	22F197	20.71
		$5\frac{1}{4}$ "	$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	Dayton	—	22F211	20.71
		$5\frac{1}{4}$ "	$2\frac{1}{2}$ "	$2\frac{3}{4}$ "	Dayton	—	22F198	20.71
		$5\frac{1}{2}$ "	$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	Dayton	—	22F212	20.71
		$5\frac{1}{2}$ "	$2\frac{1}{2}$ "	$2\frac{3}{4}$ "	Dayton	—	22F199	20.71
		$5\frac{3}{4}$ "	$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	Dayton	—	22F213	20.71
		$5\frac{3}{4}$ "	$2\frac{1}{2}$ "	$4\frac{1}{4}$ "	Dayton	—	22F201	20.71
		$6\frac{1}{16}$ "	$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	Dayton	—	22F214	20.71
		$6\frac{1}{16}$ "	$2\frac{1}{2}$ "	$2\frac{3}{4}$ "	Dayton	—	22F202	20.71
		$7\frac{3}{16}$ "	$2\frac{1}{2}$ "	$1\frac{3}{4}$ "	Dayton	—	22F215	20.71
		$7\frac{3}{16}$ "	$2\frac{1}{2}$ "	$4\frac{1}{4}$ "	Dayton	—	22F203	20.71
		$4"$	$2\frac{1}{2}$ "	$1\frac{11}{16}$ "	Genteq	A468	4M754	23.81
		$4\frac{1}{4}$ "	$2\frac{1}{2}$ "	$1\frac{11}{16}$ "	Genteq	A469	4M755	23.81
		$4\frac{1}{2}$ "	$2\frac{1}{2}$ "	$1\frac{11}{16}$ "	Genteq	A470	4M756	23.81
		$4\frac{3}{4}$ "	$2\frac{1}{2}$ "	$1\frac{11}{16}$ "	Genteq	A471	4M757	23.83
		$5"$	$2\frac{1}{2}$ "	$1\frac{11}{16}$ "	Genteq	A472	4M758	23.81
		$5\frac{1}{4}$ "	$2\frac{1}{2}$ "	$1\frac{11}{16}$ "	Genteq	A473	4M759	23.81
		$5\frac{1}{2}$ "	$2\frac{1}{2}$ "	$1\frac{11}{16}$ "	Genteq	A474	4M760	23.81
		$6"$	$2\frac{1}{2}$ "	$1\frac{11}{16}$ "	Genteq	A476	4M761	23.81
		$6\frac{1}{2}$ "	$2\frac{1}{2}$ "	$1\frac{11}{16}$ "	Genteq	A475	4M762	23.81

Key	For NEMA Frame	Outside Dia.	Inside Dia.	Thickness	Brand	Mfr. Model	Item No.	Pkg. Qty.	\$ Pkg.
Motor Mounting Rings									
For NEMA Frames									
A	42 and 48	$2\frac{1}{4}$ "	$1\frac{1}{2}$ " Hex	$\frac{7}{16}$ "	Dayton	—	4UFA6	2	15.24
A	42 and 48	$2\frac{1}{2}$ "	$1\frac{1}{2}$ " Hex	$\frac{1}{2}$ "	Dayton	—	4UFA5	2	15.39
A	48 and 56	$2\frac{1}{2}$ "	$1\frac{11}{16}$ "	$\frac{3}{8}$ "	Century	1014B28H01	2X456	2	16.60
B	48	$2\frac{1}{4}$ "	$1\frac{11}{16}$ "	$\frac{9}{16}$ "	Genteq	A494	4M737	2	20.20
C	48	$2\frac{1}{4}$ "	$1\frac{11}{16}$ "	$\frac{13}{16}$ "	Genteq	A493	4M751	2	20.20
D	48	$2\frac{1}{2}$ "	$1\frac{11}{16}$ "	$\frac{19}{32}$ "	Genteq	A460	4M752	2	20.20
For 3.3" Motors									
A	—	$1\frac{3}{4}$ "	$1\frac{1}{8}$ " Hex	$\frac{5}{16}$ "	Dayton	—	4UFA7	2	18.22
D	—	$1\frac{13}{16}$ "	$1\frac{1}{4}$ "	$\frac{5}{16}$ "	Dayton	—	4UFA9	2	13.00
Motor Mounting Accessories									
E	Split Rings				Genteq	A459	1A682	4	7.61
F	Latches				Century	—	2X234	2	9.35

Dayton

3.3"-Dia. Motor Mounting

BLOWER MOUNTING BRACKET SYSTEM

No. 4UFA2—Aluminum stand-off bracket for motor-blower mounting. Kit No. 4UEZ9 required to mount to motor.

No. 4UEZ9—Special end plate for D401 motor. For mounting to Comfort-Aire units.

END SHIELD SYSTEM

No. 4UFA1—For base mounting. Use with rubber mounting rings No. 4UFA8.

Nos. 4UFA8 and 12N972—No. 4UFA8 Henrite rubber mounting rings with steel band. Use with No. 4UFA1 end shield, cradle bases, and knife edge motor supports.

FLANGE KIT NO. 4UFA4

Used to mount motors to blower housings.

HALO KIT NO. 4UFA3

Motor mounting bracket converts 3.3"-dia. motor to triangular mounting pattern on $4\frac{3}{8}$ " bolt circle.

Dayton

1/2"- and 5/8"-Dia. Anti-Windmilling Brakes

Use to stop windmilling of rooftop motors.

Description	Item No.	\$ Each
For $\frac{1}{2}$ dia. Shafts	4UEZ3	✓ 67.25
For $\frac{5}{8}$ dia. Shafts	4UEZ4	✓ 67.25



No. 4UEZ3



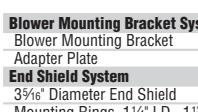
No. 4UFA2



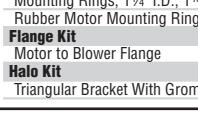
No. 4UEZ9



No. 4UFA1



No. 4UFA4



No. 4UFA3

Description

Item No.

\$ Each

Blower Mounting Bracket System

4UFA2

19.30

4UEZ9

7.66

Adapter Plate

4UFA1

12.92

End Shield System

4UFA8

10.41

35/8" Diameter End Shield

12N972

32.70

Mounting Rings, 1 1/4" I.D., 1 1/8" O.D., Qty. 2

Rubber Motor Mounting Ring, 3.3" dia., Qty. 2

Flange Kit

4UFA4

7.73

Motor to Blower Flange

Halo Kit

4UFA3

18.51

Description

Dayton

Adapter Plate

Provides rectangular mounting stud pattern on 5"- or $5\frac{1}{8}$ - dia. motors to match Feeders stud motors. Matches Emerson and RMR rectangular mounting stud patterns.

IMPORTANT MOTOR INFORMATION:

Refer to pages 3-7 for motor selection guidelines,

standardized motor dimensions, NEMA and IEC guidelines, motor terminology, and energy legislation data.



No. 4M753



No. 4M220



Motor Rainshields

Disc-shaped rainshields prevent water from damaging open motors that are mounted either shaft-up or shaft-down in outdoor condenser units. Heavy-duty nylon construction resists heat and ultraviolet rays. Nos. 4M219 and 4M220 have internal cooling vanes to reduce motor temperature, and a removable center plug. No. 4UEZ6 has a deep dish for added protection.

Bore Dia.	Dia.	Brand	Mfr. Model	Item No.	\$ Each
1/2"	3 3/4"	Genteq	A483	4M753	15.84
1/2"	6 3/4"	Dayton	—	4M219	10.54
5/8"	6 3/4"	Dayton	—	4M220	10.55
1/2"	7 1/4"	Dayton	—	4UEZ6	10.41



No. 30D489

Shaft Length Adapter Kits

Use to add additional length to the motor to fit in older bases.

For Use With	Item No.	\$ Each
4.4 & 5.6"-Dia. Motors	30D490	24.54
NEMA 42/48 Frame	30D489	33.80
5"-Dia. Motors	30D498	27.65
6"-Dia. Motors	30D491	35.70



No. 30D492

Shaft Adapters

For converting motor shaft to different diameter applications. Include hole for setscrew.

Converts From	Converts To	Item No.	Pkg. Qty.	\$ Pkg.
1/4" Shaft	5/16" Shaft	30D492	4	25.60
3/8" Shaft	1/2" Shaft	30D493	4	25.60
5/16" Shaft	3/8" Shaft	30D494	4	26.30
1/2" Shaft	5/8" Shaft	30D495	4	27.80



No. 12N973
Shown Assembled



Shaft Extender Kits

Use to extend motor shaft length. Include two #5-40 socket setscrews to secure adapter to shaft.

Description	Item No.	\$ Each
1/4" Dia. x 4 1/8" Length	12N973	25.85
5/16" Dia. x 4 1/2" Length	12N974	25.85
1/2" Dia. x 4 1/4" Length	12N975	25.85



No. 30D497



Motor Tie Rod Kits

Use as through bolts for repairing small motors.

Description	Item No.	Pkg. Qty.	\$ Pkg.
8" Length, #8-32 Threads	30D496	4	22.89
8" Length, #10-32 Threads	30D497	4	22.89



No. 3GD74



No. 3GD81

Commutator Resurfacing Tools

Use to smooth commutators on generators, fractional horsepower motors, and similar equipment. 1 grade on each end of handle.

No. 3GD74 has a 10"L handle. No. 3GD81 has an 8 1/2"L handle.

Grade	Mfr. Model	Item No.	\$ Each
Medium/Finish	80-012A	3GD74	42.10
Polish/Finish	80-033	3GD81	29.35



Sand Screen

Use to prepare surfaces for brazing, soldering, and epoxy repairs. 1 1/2" x 72" roll.

Item No.	\$ Each
4UEZ5	6.37



No. 4UEZ1



Conduit Boxes and Conduit Connector

CONDUIT BOXES

No. 4UEZ1 includes 2 mounting screws. No. 4UEZ2 includes spacers, grommet, lockwasher, nut, and 2 mounting screws.

For Use With	Item No.	\$ Each
Conduit Boxes	4UEZ1	24.98
3.3"-Dia. Motors	4UEZ2	24.98
4.4, 5.0 and 5.6"-Dia. Motors	4VZJ7	10.41
Conduit Connector		
Flexible Metal Conduit		



No. 4VZJ7

✓ = Repair & Replacement Coverage Available