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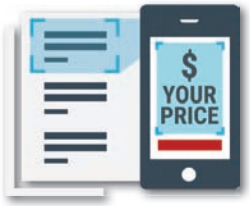

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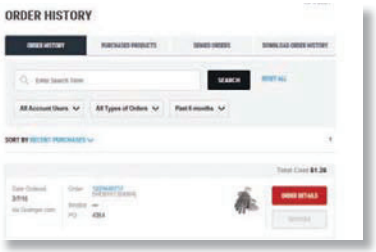

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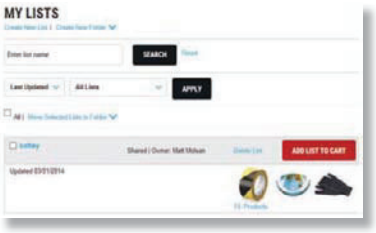

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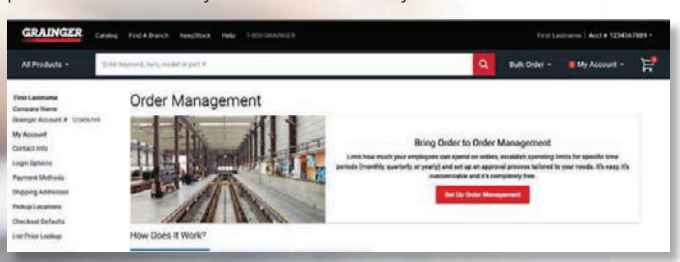

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A3

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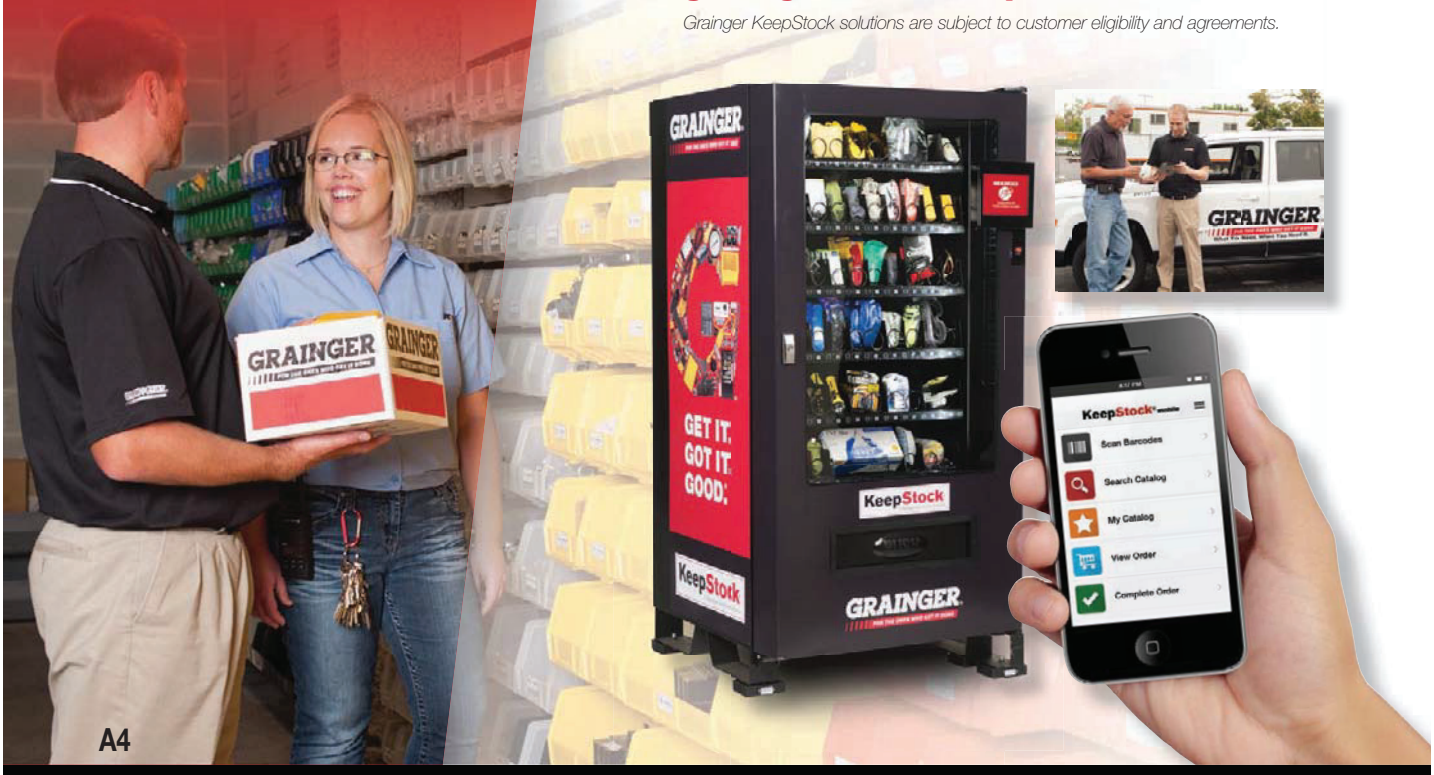

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All products may not be available for export depending on the country.

Motor Selection Guidelines

Motors are used in a wide variety of applications. In some applications more than one 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-Frame: Match exactly.

5-RPM: Match within 5%.

6-Frequency (Hz): Match exactly.

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

8-Design: See table on this page.

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

10-Duty: If current motor is intermittent duty, you may upgrade to continuous.

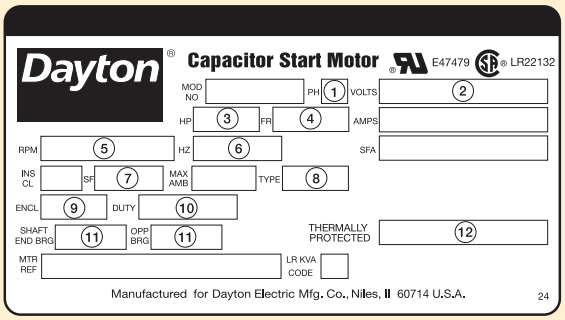
11-Bearing Type: Sleeve or Ball.

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

STEP 2: DETERMINE THE RIGHT CATALOG SECTION

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

By the characteristics: Motor design, horsepower, RPM, 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,



HVAC motors for various air moving applications, and Pump motors for applications moving water and gases.

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 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 washdown, hazardous location, farm-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.

Pump Motors are used for pump applications like pool pumps, carbonator pumps, and close-couple pumps. Motor features are driven by the application and move water and gases.

STEP 3: SELECT THE SPECIFIC MOTOR

Match the information gathered in Step 1.

AC MOTOR TYPES

Phase	Design	Typical RPM	Starting Torque as Percent of Full-Load Torque	Comparative Efficiency	Typical Uses
1	Shaded Pole	1050, 1550, 3000	Very Low 50-100%	Low	Small direct-drive fans & blowers
1	Permanent Split Capacitor (PSC)	825, 1075, 1625	Low 75-150%	Moderate	Direct-drive fans & blowers
1	Split-Phase	1140, 1725, 3450	Low to Moderate 130-170%	Moderate	Belt-drive & direct-drive fans & blowers, small tools, centrifugal pumps, & appliances
1	Capacitor-Start	1140, 1725, 3450	Moderate to High 200-400%	Moderate to High	Pumps, compressors, tools, conveyors, farm equipment, & industrial ventilators
3	3-Phase	1140, 1725, 3450	Moderate to High 200-300%	High	Applications where 3-Phase power is available

ENCLOSURE TYPES

Enclosure Type	How Can I Tell?	Where Do I Use This Enclosure?
Open Dripproof (ODP)/ Open/Open Air-Over (OPAO)	Ventilation holes in shell and/or endshield	Clean, dry, nonhazardous environments
Totally Enclosed Fan-Cooled (TEFC)/Totally Enclosed Nonventilated (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 for more details.

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.

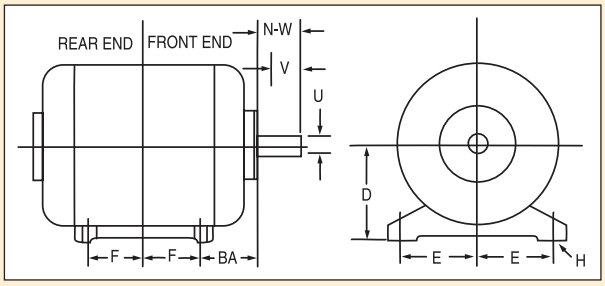
Longer Bearing Life: The lower the temp., the longer the bearing grease will last.

Annual Savings = $0.746 \times HP \times L \times C \times N \left(\frac{100}{E1} - \frac{100}{E2}\right)$

- 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

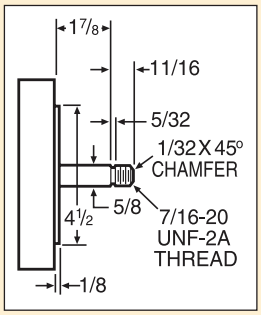
Motor Dimensional Chart

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.

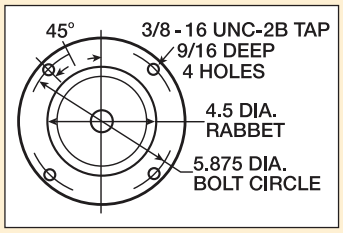


NEMA C- AND J-FACE MOUNTING DIMENSIONS

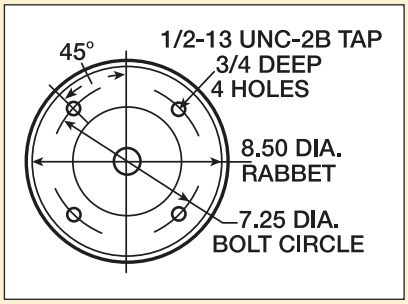
Mounting dimensions of the 56J-Face are exactly the same as the NEMA 56C. 56J-Face has a threaded shaft of stainless steel while all others have a keyed steel shaft. See illustrations and table below for specifics.



56J SHAFT



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



182TC THRU 256TC – FACE DIMENSIONS

NEMA Face	Shaft Dia. (U)	Shaft Long (N-W)	Rabbet Dia.	Bolt Circle Dia.
42C	⅜	1⅛	3	3¾
48C	½	1½	3	3¾
56C	⅝	1⅞	4½	5⅞
56HC‡	⅝	1⅞	4½	5⅞
56J	⅝	2 1/16	4½	5⅞
143TC & 145TC	⅞	2¼	4½	5⅞
146ATC & 1412ATC	⅞	2¼	4½	5⅞
L182ACY & 186ACY	⅞	2¼	4½	5⅞
182TC & 184TC	1⅛	2¾	8½	7¼
186ATC & 189ATC	1⅛	2¼	8½	7¼
213TC & 215TC	1⅜	3⅜	8½	7¼
219ATC & 2110ATC	1⅜	2¾	8½	7¼
254TC & 256TC	1⅝	4	8½	7¼
284TC & 286TC	1⅝	4⅝	10½	9

NEMA Frame	All Dimensions in Inches D*	2E	2F	BA	H	N-W	U	V§ Min.	Key Wide	Key Thick	Key Long
42	2⅝	3½	1 11/16	2 1/16	9/32 slot	1⅛	⅜	—	—	3/64 flat	—
48	3	4¼	2¾	2½	11/32 slot	1½	½	—	—	3/64 flat	—
48H	3	4¼	4¾	2½	11/32 slot	1½	½	—	—	3/64 flat	—
56	3½	4⅞	3	2¾	11/32 slot	1⅞ †	⅝ †	—	3/16 †	3/16 †	1⅜ ‡
56H	3½	4⅞	3 & 5‡	2¾	11/32 slot	1⅞ †	⅝ †	—	3/16 †	3/16 †	1⅜ †
56HZ	3½	**	**	**	**	2¼	⅞	2	3/16	3/16	1⅜
66	4⅛	5⅞	5	3⅛	13/32 slot	2¼	¾	—	3/16	3/16	1⅞
143T	3½	5½	4	2¼	11/32 dia.	2¼	⅞	2	3/16	3/16	1⅜
145T	3½	5½	5	2¼		2¼	⅞	2	3/16	3/16	1⅜
146AT	3½	5½	5½	2¾		2¼	⅞	2	3/16	3/16	1⅜
148AT	3½	5½	7	2¾	11/32 dia.	2¼	⅞	2	3/16	3/16	1⅜
149AT	3½	5½	8	2¾		2¼	⅞	2	3/16	3/16	1⅜
1412AT	3½	5½	11	2¾		2¼	⅞	2	3/16	3/16	1⅜
182	4½	7½	4½	2¾		2¼	⅞	2	3/16	3/16	1⅜
184	4½	7½	5½	2¾	13/32 dia.	2¼	⅞	2	3/16	3/16	1⅜
182T	4½	7½	4½	2¾		2¾	1⅛	2½	¼	¼	1⅜
184T	4½	7½	5½	2¾		2¾	1⅛	2½	¼	¼	1⅜
182AT	4½	7½	4½	2¾		2¼	1⅛	2	¼	¼	1⅜
L182ACY	4½	7½	4½	2¾		2¼	⅞	2	3/16	3/16	1⅜
L182AT	4½	7½	4½	2¾		2¼	1⅛	2	¼	¼	1⅜
186ACY	4½	7½	7	2¾	13/32 dia.	2¼	⅞	2	3/16	3/16	1⅜
186AT	4½	7½	7	2¾		2¼	1⅛	2	¼	¼	1⅜
L186AT	4½	7½	7	2¾		2¼	1⅛	2	¼	¼	1⅜
189AT	4½	7½	10	2¾		2¼	1⅛	2	¼	¼	1⅜
203#	5	8	5½	3⅛	13/32 dia.	2¼	¾	2	3/16	3/16	1⅜
204#	5	8	6½	3⅛		2¼	¾	2	3/16	3/16	1⅜
213	5¼	8½	5½	3½		3	1⅛	2¾	¼	¼	2
215	5¼	8½	7	3½	13/32 dia.	3	1⅛	2¾	¼	¼	2
213T	5¼	8½	5½	3½		3⅜	1⅜	3⅛	5/16	5/16	2⅜
215T	5¼	8½	7	3½		3⅜	1⅜	3⅛	5/16	5/16	2⅜
219AT	5¼	8½	11	3½	13/32 dia.	2¾	1⅜	2½	5/16	5/16	1¾
2110AT	5¼	8½	12½	3½		2¾	1⅜	2½	5/16	5/16	1¾
224#	5½	9	6¾	3½	13/32 dia.	3	1	2¾	¼	¼	2
225#	5½	9	7½	3½		3	1	2¾	¼	¼	2
254#	6¼	10	8¼	4¼	21/32 dia.	3⅜	1⅛	3⅛	¼	¼	2⅜
254U	6¼	10	8¼	4¼		3¾	1⅜	3½	5/16	5/16	2¾
256U	6¼	10	10	4¼	17/32 dia.	3¾	1⅜	3½	5/16	5/16	2¾
254T	6¼	10	8¼	4¼		4	1⅝	3¾	⅜	⅜	2⅞
256T	6¼	10	10	4¼		4	1⅝	3¾	⅜	⅜	2⅞
284#	7	11	9½	4¾	21/32 dia.	3¾	1¼	3½	¼	¼	2¾
284U	7	11	9½	4¾		4⅛	1⅝	4⅜	⅜	⅜	3¾
286U	7	11	11	4¾		4⅛	1⅝	4⅜	⅜	⅜	3¾
284T	7	11	9½	4¾	17/32 dia.	4⅜	1⅞	4⅜	½	½	3¼
286T	7	11	11	4¾		4⅜	1⅞	4⅜	½	½	3¼
284TS	7	11	9½	4¾		3¼ ^	1⅝ ^	3 ^	⅜	⅜	1⅞ ^
286TS	7	11	11	4¾		3¼ ^	1⅝ ^	3 ^	⅜	⅜	1⅞ ^
324#	8	12½	10½	5¼	21/32 dia.	4⅛	1⅝	4⅜	⅜	⅜	3¾
326#	8	12½	12	5¼		4⅛	1⅝	4⅜	⅜	⅜	3¾
324U	8	12½	10½	5¼		5⅝	1⅞	5⅜	½	½	4¼
326U	8	12½	12	5¼		5¼	1⅞	5⅜	½	½	4¼
324T	8	12½	10½	5¼	21/32 dia.	5¼	2⅛	5	½	½	3⅞
326T	8	12½	12	5¼		5¼	2⅛	5	½	½	3⅞
324TS	8	12½	10½	5¼		3¾ ^	1⅞ ^	3½ ^	½	½	2 ^
326TS	8	12½	12	5¼		3¾ ^	1⅞ ^	3½ ^	½	½	2 ^
364#	9	14	11¼	5⅞		5⅝	1⅞	5⅜	½	½	4¼
364S#	9	14	11¼	5⅞	21/32 dia.	3¼	1⅝	3	⅜	⅜	1⅞
365#	9	14	12½	5⅞		5⅝	1⅞	5⅜	½	½	4¼
364U	9	14	11¼	5⅞	21/32 dia.	6⅜	2⅛	6⅛	½	½	5
365U	9	14	12½	5⅞		6⅜	2⅛	6⅛	½	½	5
364T	9	14	11¼	5⅞		5⅞	2⅜	5⅞	⅝	⅝	4¼
365T	9	14	12¼	5⅞	21/32 dia.	5⅞	2⅜	5⅞	⅝	⅝	4¼
364TS	9	14	11¼	5⅞		3¾ ^	1⅞ ^	3½ ^	½	½	2 ^
365TS	9	14	12¼	5⅞		3¾ ^	1⅞ ^	3½ ^	½	½	2 ^
404T	10	16	12¼	6⅝		7¼	2⅞	7	¾	¾	5⅝
405T	10	16	13¾	6⅝		7¼	2⅞	7	¾	¾	5⅝
404TS	10	16	12¼	6⅝	13/16 dia.	4¼ ^	2⅛ ^	4 ^	½	½	2¾ ^
405TS	10	16	13¾	6⅝		4¼ ^	2⅛ ^	4 ^	½	½	2¾ ^
404U	10	16	12¼	6⅝		7⅛	2⅜	6⅞	⅝	⅝	5½
405U	10	16	13¾	6⅝		7⅛	2⅜	6⅞	⅝	⅝	5½
444T	11	18	14½	7½		8½	3⅜	8¼	⅞	⅞	6⅞
445T, 447T§§	11	18	16½	7½	13/16 dia.	8½	3⅜	8¼	⅞	⅞	6⅞
444TS, 447TS§§	11	18	14½	7½		4¾ ^	2⅜ ^	4½ ^	⅝	⅝	3 ^
445TS	11	18	16½	7½		4¾ ^	2⅜ ^	4½ ^	⅝	⅝	3 ^
444U	11	18	14½	7½		8⅜	2⅞	8⅜	¾	¾	7
445U	11	18	16½	7½	13/16 dia.	8⅜	2⅞	8⅜	¾	¾	7
449T	11	18	25	7½		8½	3⅜	8¼	⅞	⅞	6⅞
449TS	11	18	25	7½		4¾ ^	2⅜ ^	4½ ^	⅝	⅝	3 ^

* Dimension "D" will never be greater than the above values on rigid mount motors, but it may be less so that shims up to 1/32" thick (1/16" on 364U and 365U frames) may be required for certain machines.

‡ Designated 56H motors have 2 sets of 2F mounting holes—3" and 5".

^ Standard short shaft for direct-drive applications.

\# Discontinued NEMA frame.

** Base of Dayton 56HZ frame motors has holes and slots to match NEMA 56, 56H and 145T mounting dimensions.

† Certain NEMA 56Z frame motors have ½" dia. x 1½" long shaft with 3/64" flat." These exceptions are noted in this catalog.

§ Dimension "V" is shaft length available for coupling, pinion, or pulley hub—this is a minimum value.

§§ The 2F dimension is 20.

NEMA Letter Designations Following Frame Number

C: Face-mount; see this page.

H: Designated 56H motors have 2 sets of 2F mounting holes—3" and 5".

J: Face-mount for jet pumps; see this 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 59.

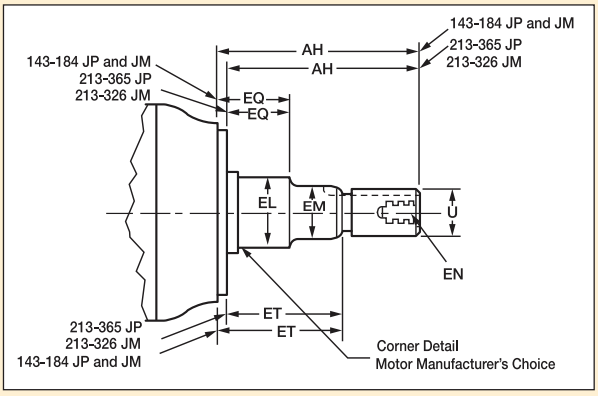
T, U: Integral HP motor dimension standards set by NEMA in 1964 and 1953.

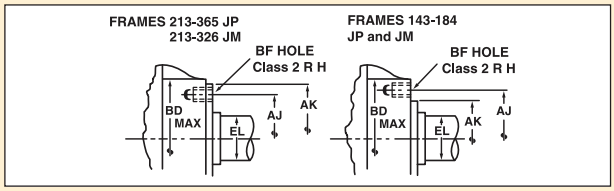
V: Vertical mount.

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





Frame Designations	Dimensions (in.) U	EL	EM	EN	EQ	ET	AH	AJ	AK	BD	BF
143JM/145JM	⅞	1 3/32	1	⅜-16 x ¾	⅝	2⅞	4¼	5⅞	4½	6⅝	⅜-16
143JP/145JP	⅞	1 3/32	1	⅜-16 x ¾	1 9/16	5 15/16	7 5/16	5⅞	4½	6⅝	⅜-16
182JM/184JM	⅞	1¼	1	⅜-16 x ¾	⅝	2⅞	4¼	5⅞	4½	6⅝	⅜-16
182JP/184JP	⅞	1¼	1	⅜-16 x ¾	1 9/16	5 15/16	7 5/16	5⅞	4½	6⅝	⅜-16
213JM/215JM	⅞	1¼	1	⅜-16 x ¾	⅝	2⅞	4¼	7¼	8½	9	½-13
213JP/215JP	1¼	1¾	1⅜	½-13 x 1	2⅜	5⅛	8⅛	7¼	8½	9	½-13
254JM/256JM	1¼	1¾	1⅜	½-13 x 1	⅝	3	5¼	7¼	8½	9¼	½-13
254JP/256JP	1¼	1¾	1⅜	½-13 x 1	2⅜	5⅛	8⅛	7¼	8½	9	½-13
284JM/286JM	1¼	1¾	1⅜	½-13 x 1	⅝	3	5¼	11	12½	13⅞	⅝-11
284JP/286JP	1¼	1¾	1⅜	½-13 x 1	2⅜	5⅛	8⅛	11	12½	13⅞	⅝-11

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 Dripproof 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

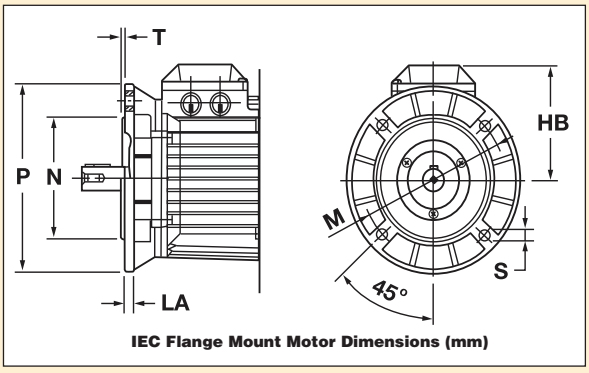
Efficiency Ratings

IEC uses the following ratings to designate motor efficiencies:

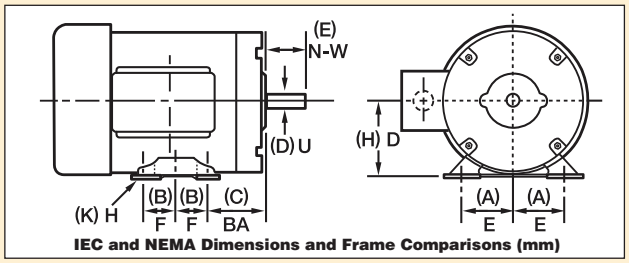
IE2 = Meets Epact levels

IE3 = Meets NEMA Premium

IE4 = Exceeds NEMA Premium



IEC Flange Mount Motor Dimensions (mm)



IEC and NEMA Dimensions and Frame Comparisons (mm)

IEC FLANGE MOUNT MOTOR DIMENSIONS (mm)

Frame	Large Flange (B5) D-Flange HB	LA	M	N	P	S	T	Small Flange (B14) C-Face HB	LA	M	N	P	S	T
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

* M2AA63 can be supplied with shaft extension D=11, E=23, F=4, and GA=125mm, and DB=M4, if flange M=115mm.

IEC and NEMA DIMENSIONS AND FRAME COMPARISONS (mm)

(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

IEC and NEMA DIMENSIONS AND FRAME COMPARISONS (mm)

(IEC) NEMA	(H) D	(A) E	(B) F	(K) H	(D) U	(C) BA	(E) N-W
(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.

2015 Energy Conservation Standards For Small Electric Motors

2015 SMALL MOTOR LEGISLATION

Energy efficiency is becoming more important for electric motors used in industrial, commercial, and residential applications. The U.S. Department of Energy (DOE) has established new standards for certain types of small electric motors that will become effective on March 9th, 2015 (March 9th, 2017 for motors that require listing or certification). The motors governed under the small motor ruling include NEMA General Purpose two digit frames 42, 48, and 56, open construction, continuous duty, 1/4 horsepower up through 3 horsepower in 3-phase, capacitor start induction run and capacitor start capacitor run designs. The small motor rule also includes metric designs built in IEC frames 63, 71, or 80, and kilowatt ranges from .18 kW to 2.2 kW. See tables for standard efficiency levels.

Table I.1—Standard Levels for 3-Phase Small Electric Motors

HP/kW	6-Pole (1200 RPM)	4-Pole (1800 RPM)	2-Pole (3600 RPM)
0.25/0.18	67.5	69.5	65.6
0.33/0.25	71.4	73.4	69.5
0.5/0.37	75.3	78.2	73.4
0.75/0.55	81.7	81.1	76.8
1/0.75	82.5	83.5	77.0
1.5/1.1	83.8	86.5	84.0
2/1.5	—	86.5	85.5
3/2.2	—	86.9	85.5

Table I.2—Standard Levels for Capacitor-Start Induction-Run and Capacitor-Start Capacitor-Run Small Electric Motors

HP/kW	6-Pole (1200 RPM)	4-Pole (1800 RPM)	2-Pole (3600 RPM)
0.25/0.18	62.2	68.5	66.6
0.33/0.25	66.6	72.4	70.5
0.5/0.37	76.2	76.2	72.4
0.75/0.55	80.2	81.8	76.2
1/0.75	81.1	82.6	80.4
1.5/1.1	—	83.8	81.5
2/1.5	—	84.5	82.9
3/2.2	—	—	84.1

3-Phase Motor 2016 Final IHP (Integral HP) Rule

NEMA Premium

- Replaces Energy Independence and Security Act of 2007
- Takes effect June 1, 2016
- Almost all motors will be covered at Premium Efficiency levels NEMA MG1, Table 12-12 or Part 20, Table B (IE3)
- EISA 2007 Subtype 1 and II, 1-200 HP must now meet Table 12-12-NEMA Premium Efficient
- 56 Frame 3-phase Enclosed motors must now meet Table 12-12-NEMA Premium Efficient
- Custom 3-Phase motors must now meet Table 12-12-NEMA Premium Efficient

3-PHASE MOTORS COVERED UNDER IHP FINAL RULE

- Is a single speed induction motor
- Is rated for continuous duty (MG 1) operation or for duty type S1 (IEC)
- Contains a squirrel-cage (MG 1) or cage (IEC) rotor
- Operated on polyphase alternating current (AC) 60Hz sinusoidal line power
- Has 2-, 4-, 6-, or 8-pole configuration
- Is rated 600V or less
- Have a 3 or 4 digit NEMA frame size (or IEC metric equivalent), including: designs between 2 consecutive NEMA frame sizes (or IEC metric equivalent), or enclosed 56 NEMA frame size (or IEC metric equivalent)
- 2-digit frame size TENV and TEFC motors that are 1.0 HP and larger must also be in compliance.
- Between 1 and 500 HP (or kilowatt equivalent)
- Meets all performance requirements of NEMA design A, B, or C or IEC design N or H electric motor

NEMA Premium Nominal Full-Load Efficiency

Motor HP	Open Motors RPM			Enclosed Motors RPM		
	1200	1800	3600	1200	1800	3600
1	82.5	85.5	77.0	82.5	85.5	77.0
1½	86.5	86.5	84.0	87.5	86.5	84.0
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	95.8	95.8	95.0	95.8	96.2	95.8
300	95.8	95.8	95.4	95.8	96.2	95.8
350	95.8	95.8	95.4	95.8	96.2	95.8
400	—	95.8	95.8	95.8	96.2	95.8
450	—	96.2	96.2	95.8	96.2	95.8
500	—	96.2	96.2	95.8	96.2	95.8

Motor Compliance Certification (CC) Numbers

The Department of Energy (DOE) has mandated energy efficiency levels for certain classes of 1- and 3-phase electric motors. For certain categories within these groups of energy efficient motors, a Compliance Certification (CC) number that is unique to a specific motor manufacturer, assigned by the DOE, must appear on the motor's nameplate. The CC number is listed in the Tech Spec section on Grainger.com® for affected motors.

Motor Compliance Certification (CC) Numbers

Dayton Brand	National Brand	
CC005A	CC001A	CC029A
CC029A	CC003A	—
CC030A	CC004A	—
CC060A	CC005A	—

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.

TEMPERATURE IDENTIFICATION NUMBERS

"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

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.

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

Motor Terminology

AC—Alternating Currents

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

Auto—Automatic

Bearings—Basic types:

- **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.

CSA—Canadian Standards Association

DC—Direct Current

Enclosure—The motor's housing. Types:

- **Open Dripproof (ODP)—**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.
- **Open Air-Over (OPAO)—**Motors intended for fan and blower service. Must be located in the driven fan blade's air stream to provide motor cooling.
- **Totally Enclosed Air-Over (TEAO)—** Air flow from driven or external device provides cooling air flow over the motor, but not airtight or waterproof.
- **Totally Enclosed Fan-Cooled (TEFC)—** Includes an external fan in a protective shroud, to blow cooling air over the motor, but not airtight or waterproof.
- **Totally Enclosed Nonventilated (TENV)—**Not equipped with an external cooling fan, but not airtight or waterproof. Depends on convection air for cooling.

Energy Efficient—Any motor that has improved efficiency performance above a standard design as determined by the manufacturer, i.e., Epact levels in compliance with NEMA Table 12-11, but does not qualify for a NEMA Premium designation and or a small motor energy legislation model because the motor cannot meet the Federal and/or NEMA nominal efficiency guidelines, will be categorized as "Energy Efficient."

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.

Imp.—Impedance

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).

Man.—Manual

Max.—Maximum

µF—Microfarad

Min.—Minimum

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.

NEMA—National Electrical Manufacturer's Association

NEMA Premium Efficient—Any 3-phase motor that meets NEMA MG1 Table 12-12 Nominal Premium Efficiency Levels for a particular HP, rpm, and enclosure type rating and is required to display a CC Number on the nameplate, as registered with the Department of Energy, or single-phase motor that meet EISA standards, i.e. small motor rule, that are not required to display a CC Number, but do have the NEMA logo on the nameplate will be categorized as "NEMA Premium Efficient".

Nom.—Nominal

OC—On Center

PE—Pump end

Premium Efficient—For 2-digit open enclosure, single and 3-phase motors that meet EISA standards, i.e. small motor rule, that are not required to display a CC Number on the nameplate, will be categorized as "Premium Efficient".

Prot.—Protection

PSC—Permanent Split Capacitor

Resil.—Resilient

Rev.—Reversible

Rotation—Basic types:

- **CCW—**Counterclockwise
- **CW—**Clockwise
- **CW/CCW—**Reversible
- **CWSE—**Clockwise Facing Shaft End
- **CWLE—**Clockwise Facing Lead End
- **CCWSE—**Counterclockwise Facing Shaft End
- **CCWLE—**Counterclockwise Facing Lead End

RPM—Revolutions per Minute

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.

Syn.—Synchronous

Standard Efficient—Any motor not required to meet any specific called out nominal efficiency specifications including federal guidelines will be categorized as "Standard Efficient".

Temperature Rise—The amount by which a motor, operating under rated conditions, is hotter than its surroundings.

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.

Insulation Classes and Temperature Rise

Heat is a byproduct of the operation of a motor. A motor's internal operating temp. depends on its design. Insulation classes are designated to meet the requirements of the motor design. The insulation class is determined by the ability of each insulation system to handle a specified amount of heat:

Class A: 105°C (221°F)
Class B: 130°C (266°F)
Class F: 155°C (311°F)
Class H: 180°C (356°F)

A newer design of general purpose 3-phase motors has been introduced to promote longer service life. These motors feature a higher insulation class (primarily Class F) with a lower temp. rise (primarily Class B rise). This allows for about 25°C reserve thermal capacity in the motor. The reserve thermal capacity is what helps maintain the integrity of the insulation and lengthen motor life.

Dayton

Split-Phase Open Dripproof Motors

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

Open dripproof 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.

Rigid-Base Mount
No. 5K279

Cradle-Base Mount
No. 6XH57

HP	Nameplate RPM	Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Ins. Class	Nom. Efficiency	Mounting	Shaft Dia.	Shaft Length	Overall Length	Item No.
1 Speed													
1/12	1725	42	None	115	3.7	1.40	F	32.8%	Cradle Base	3/8"	1 1/4"	6 7/8"	**6K402**
1/6	1725	48Z	None	115	4.2	1.35	B	43.4%	Cradle Base	1/2"	1 7/8"	9 9/16"	**6XH64** #
	1140	48Z	None	115	4.5	1.35	B	50.0%	Cradle Base	1/2"	1 7/8"	10 5/16"	**6XH78** ‡#
	1140	56Z	None	115	4.5	1.35	B	50.0%	Cradle Base	1/2"	1 7/8"	10 5/16"	**5K559** ††
	850	56	None	115	7.0	1.35	F	40.3%	Cradle Base	5/8"	1 7/8"	11 13/16"	**6XH80** **
1/4	1725/1425	48Z	Auto	110/220	4.2/2.1	1.35	B	59.5%	Rigid Base	1/2"	1 7/8"	9 1/2"	**6XJ46** *
	1725	48Z	None	115	5.3	1.35	B	52.0%	Cradle Base	1/2"	1 7/8"	9 13/16"	**6XH65** ‡#
	1725	48Z	None	115	5.3	1.35	B	52.0%	Rigid Base	1/2"	2 1/4"	9 3/4"	**6XJ35**
	1725	48Z	None	230	2.5	1.35	B	53.7%	Cradle Base	1/2"	1 7/8"	9 13/16"	**6XH61**
	1725	48Z	Auto	115	5.3	1.35	B	52.0%	Cradle Base	1/2"	1 7/8"	9 13/16"	**6K718** ‡
	1725	56Z	None	115	5.3	1.35	B	52.0%	Cradle Base	1/2"	1 7/8"	9 13/16"	**5K280** #††
	1725	56Z	None	115	5.9	1.35	B	52.0%	Rigid Base	1/2"	1 7/8"	9 1/2"	**5K279**
	1140	56	None	115	5.5	1.35	B	53.6%	Cradle Base	5/8"	1 7/8"	10 13/16"	**6XJ57** **
	1140	56	None	208-230	2.7-2.9	1.35	B	58.7%	Cradle Base	5/8"	1 7/8"	10 13/16"	**24C177**
	850	56	None	115	6.9	1.25	B	52.0%	Cradle Base	5/8"	1 7/8"	11 13/16"	**6XH73** **
1/3	3450	48Z	None	115	5.4	1.35	B	53.3%	Cradle Base	1/2"	1 7/8"	10 5/16"	**5K586** ‡
	1725	48Z	None	115	7.0	1.35	B	54.3%	Cradle Base	1/2"	1 7/8"	9 13/16"	**5K917**
	1725	48Z	None	115	7.0	1.35	B	54.3%	Rigid Base	1/2"	2 1/4"	9 3/4"	**6XH45**
	1725	48Z	None	230	3.5	1.35	B	54.9%	Cradle Base	1/2"	1 7/8"	9 13/16"	**6XH71** ‡
	1725	48Z	Auto	115	7.0	1.35	B	54.3%	Cradle Base	1/2"	1 7/8"	9 13/16"	**5K601** ‡
	1725	48Z	Auto	230	3.5	1.35	B	54.9%	Cradle Base	1/2"	1 7/8"	9 13/16"	**5K602** ‡
	1725	56Z	None	115	7.0	1.35	B	54.3%	Cradle Base	1/2"	1 7/8"	9 13/16"	**5K534** ††
	1725	56Z	None	115	7.0	1.35	B	54.3%	Rigid Base	1/2"	1 7/8"	9 1/2"	**5K281** ††
	1725	56Z	Auto	115	7.0	1.35	B	54.3%	Rigid Base	1/2"	1 7/8"	9 1/2"	**5K412**
	1140	56	None	115/230	6.7/3.4	1.35	B	60.3%	Cradle Base	5/8"	1 7/8"	10 13/16"	**6XH74** **
1/2	3450	48Z	None	115	7.8	1.25	B	57.5%	Cradle Base	1/2"	1 7/8"	10 3/8"	**6K844** ‡
	1725	48Z	None	115	8.9	1.25	F	54.5%	Cradle Base	1/2"	1 7/8"	10 5/16"	**6K764** ‡
	1725	48Z	None	115	8.9	1.25	F	58.8%	Rigid Base	1/2"	1 7/8"	9 15/16"	**5K984**
	1725	56	None	115	8.9	1.25	F	58.8%	Cradle Base	5/8"	1 7/8"	10 5/16"	**5K283**
	1725	56	None	230	4.6	1.25	B	59.7%	Cradle Base	5/8"	1 7/8"	10 13/16"	**5K288**
	1725	56	Manual	115	8.9	1.25	F	58.8%	Rigid Base	5/8"	1 7/8"	9 15/16"	**5K597**
	1725	56Z	None	115	8.9	1.25	F	54.5%	Cradle Base	1/2"	1 7/8"	10 5/16"	**4K913**
	1725	56Z	None	115	8.9	1.25	F	58.8%	Rigid Base	5/8"	2 1/4"	10 5/16"	**6XH82**
3/4	1725	56	None	115	11.3	1.25	B	63.6%	Cradle Base	5/8"	1 7/8"	11 5/16"	**6XJ13**
	1725	56Z	None	115	11.3	1.25	B	63.6%	Rigid Base	5/8"	2 1/4"	11 1/4"	**6XJ24**
2 Speed													
1/6, 1/18	1725/1140	48Z	None	115	4.0/2.4	1.35	B	46.8%	Cradle Base	1/2"	1 7/8"	9 13/16"	**6XH57** †#
1/4, 1/8	1725/1140	48Z	None	115	4.6/4.3	1.35	F	52.5%	Cradle Base	1/2"	1 7/8"	10 5/16"	**5K671** †‡
	1725/1140	56Z	None	115	4.9/3.3	1.35	B	53.0%	Cradle Base	1/2"	1 7/8"	10 5/16"	**5K574** † ††
1/3, 1/9	1725/1140	48Z	None	115	5.9/3.4	1.35	B	56.7%	Cradle Base	1/2"	1 7/8"	10 13/16"	**6XH75** †‡#
	1725/1140	56	None	115	6.1/3.5	1.35	B	59.0%	Cradle Base	5/8"	1 7/8"	10 5/16"	**6XH76** †**
1/3, 1/6	1725/1140	56Z	None	115	6.1/3.8	1.35	B	59.0%	Cradle Base	1/2"	1 7/8"	10 5/16"	**5K554** † ††
1/2, 1/6	1725/1140	56	None	115	7.5/4.9	1.25	B	63.9%	Cradle Base	5/8"	1 7/8"	10 13/16"	**6XH67** †**
1/2, 1/4	1725/1140	56	None	115	7.5/5.4	1.25	B	63.9%	Cradle Base	5/8"	1 7/8"	10 13/16"	**5K423** †
	1725/1140	56	None	230	3.8/2.8	1.25	B	63.7%	Cradle Base	5/8"	1 7/8"	10 13/16"	**5K556**

**** 60/50 Hz. † 2-speed 115V switch No. 1DGZ9 available, see page 2929. ‡ Cradle base is notched to fit 48 and 56 frame mount. # Cradle with studs in a 3⅝" square pattern. ** Cradle with studs in a 4⅜" square pattern. †† Supplied with ⅝"-dia. shaft bushing.***

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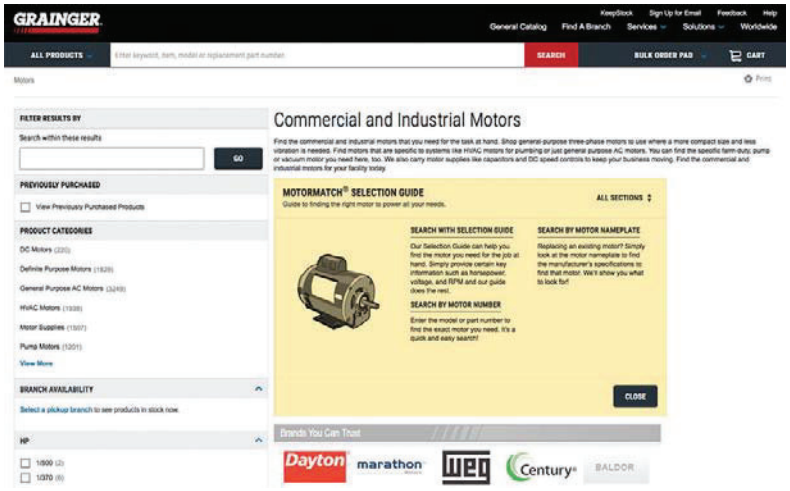


Dayton

Split-Phase Totally Enclosed Fan-Cooled Motors

- Rotation: CW/CCW
- Thermal protection: none
- Service factor: 1.00
- Bearings: ball
- Max. ambient temp.: 40°C

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.

No. 6XJ01

No. 6XJ06

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Ins. Class	Nom. Efficiency	Mounting	Shaft Dia.	Shaft Length	Overall Length	Item No.	
1 Speed												
⅛	1140	48Z	115	3.5	B	50.0%	Cradle Base	½"	1⅞"	11 1⁄16"	**6XJ01**	†
⅙	1725	48Z	115	3.2	B	54.1%	Cradle Base	½"	1⅞"	11 1⁄16"	**6XJ03**	
	1725	48Z	115	3.2	B	54.1%	Rigid Base	½"	1⅞"	11"	**6XJ06**	
	1140	48Z	115	4.4	B	50.8%	Rigid Base	½"	1⅞"	11 9⁄16"	**6XH99**	
	1140	48Z	115	4.4	B	50.8%	Cradle Base	½"	1⅞"	11 9⁄16"	**6XJ04**	†
¼	1725	48Z	115	4.9	B	55.2%	Cradle Base	½"	1⅞"	11"	**6K517**	†
	1725	48Z	115	4.9	B	55.2%	Rigid Base	½"	1⅞"	10⅝"	**6XJ07**	
	1140	56	115/230	5.8/2.9	B	54.1%	Cradle Base	⅝"	1⅞"	12"	**6XJ14**	†
⅓	1725	48Z	115	5.9	B	61.4%	Cradle Base	½"	1⅞"	11"	**6K572**	
	1725	56	115	5.9	B	63.9%	Cradle Base	⅝"	1⅞"	11"	**6XJ10**	‡
	1140	56	115	6.4	B	59.1%	Cradle Base	⅝"	1⅞"	12 13⁄16"	**6XJ47**	‡
½	1725	56	115	8.0	F	63.9%	Rigid Base	⅝"	1⅞"	11½"	**5K596**	
	1725	56	115	8.0	F	63.9%	Cradle Base	⅝"	1⅞"	11½"	**6XJ11**	‡
	1140	56	115	8.7	B	63.4%	Cradle Base	⅝"	1⅞"	13 5⁄16"	**6XJ56**	‡
2 Speed												
⅓, 1⁄10	1725/1140	56	115	5.5/3.0	B	62.5%	Cradle Base	⅝"	1⅞"	12 5⁄16"	**6XJ15**	*‡
½, ¼	1725/1140	56	115	7.2/5.0	B	64.0%	Rigid Base	⅝"	1⅞"	11 13⁄16"	**5K618**	*
	1725/1140	56	115	7.2/5.0	B	64.0%	Cradle Base	⅝"	1⅞"	12 13⁄16"	**6XJ58**	*‡

**** 2-speed 115V switch No. 1DGZ9 available, see page 2929. †Cradle with studs in a 3⅝" square pattern. ‡ Cradle with studs in a 4 1⁄16" square pattern.***

marathon Motors

Capacitor-Start/Run Open Dripproof and Totally Enclosed Fan-Cooled Motors

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

Open dripproof motors are for use in clean, dry, and nonhazardous applications including fan and blower applications.

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

No. 1K101

No. 1K108

HP	Nameplate RPM	Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Mounting	Overall Length	Mfr. Stock No.	Item No.	
Open Dripproof												
⅓	1725	56	Auto	120/240	4.0-3.8/2.0-1.9	1.35	70.2%	Cradle Base	10¾"	E254	**1K101**	*
½	1725	56	Auto	120/240	5.8-5.6/2.9-2.8	1.25	74.0%	Cradle Base	10¾"	E263	**1K103**	*
¾	1725	56	Auto	120/240	9.0-8.8/4.5-4.4	1.00	75.2%	Cradle Base	11⅜"	E272	**1K105**	*
1	1725	56H	Auto	120/240	11.8-11.4/5.9-5.7	1.15	77.4%	Cradle Base	12 1⁄16"	E281	**1K107**	*
Totally Enclosed Fan-Cooled												
⅓	1725	56	None	120/240	4.0-3.8/2.0-1.9	1.35	70.2%	Rigid Base	11 13⁄16"	E258	**1K108**	*
½	1725	56	None	120/240	5.8-5.6/2.9-2.8	1.25	74.0%	Rigid Base	11 13⁄16"	E267	**1K109**	*
¾	1725	56	None	120/240	9.0-8.8/4.5-4.4	1.25	75.2%	Rigid Base	12 1⁄16"	EG276	**1K110**	*
	1140	56	None	115/230	10.6/5.3	1.00	67.3%	Rigid Base	13 13⁄16"	C271	**2K599**	
1	1725	56	None	120/240	11.8-11.4/5.9-5.7	1.15	77.4%	Rigid Base	12 13⁄16"	E285	**1K111**	*

**** 60/50 Hz.***

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
⅛	14 (18)*	14 (18)*	14	14 (18)*	12	14 (18)*	10	14 (16)*	8	14
⅙	14 (16)*	14 (18)*	12	14 (18)*	10	14 (16)*	6	14	6	12
¼	14	14 (18)*	10	14 (16)*	8	14	6	12	4	10
⅓	14	14 (18)*	10	14 (16)*	8	14	6	12	4	10
½	12	14 (18)*	8	14	6	12	4	10	3	8
¾	10	14 (16)*	6	12	4	10	2	8	1	6
1	10	14 (16)*	6	12	4	10	2	8	1	6
1½	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.***

No. 30PT45

No. 5FTR9

No. 5K410

HP	Nameplate RPM	Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Ins. Class	Nom. Efficiency	Shaft Dia.	Shaft Length	Overall Length	Item No.	
Open Dripproof, 1-Speed													
¼	3450	48Z	Auto	115/230	2.7/1.3	1.35	B	66.6%	½"	1⅞"	10⅝"	**30PT45**	‡
	1725	48Z	Auto	115/230	3.1/1.5	1.35	B	68.5%	½"	1⅞"	10⅝"	**30PT46**	‡
	1725	48Z	None	115/230	3.1/1.5	1.35	B	68.5%	½"	1⅞"	10⅝"	**30PT49**	‡
	1725	56	Auto	115/230	3.1/1.5	1.35	B	68.5%	⅝"	1⅞"	10⅝"	**30PT47**	‡
	1725	56	None	115/230	3.1/1.5	1.35	B	68.5%	⅝"	1⅞"	10⅝"	**30PT48**	‡
	1140	56	Auto	115/230	3.7/1.9	1.35	B	62.2%	⅝"	1⅞"	10 13⁄16"	**30PT50**	‡
	1140	56	None	115/230	3.7/1.9	1.35	B	62.2%	⅝"	1⅞"	10 13⁄16"	**30PT51**	‡
⅓	3450	48Z	Auto	115/230	3.7/1.8	1.35	B	70.5%	½"	1⅞"	10⅝"	**30PT52**	‡
	1725	48Z	Auto	115/230	3.8/1.9	1.35	B	72.4%	½"	1⅞"	10⅝"	**30PT55**	‡
	1725	48Z	None	115/230	3.8/1.9	1.35	B	72.4%	½"	1⅞"	10⅝"	**30PT56**	‡
	1725	56	None	115/230	3.8/1.9	1.35	B	72.4%	⅝"	1⅞"	10⅝"	**30PT53**	‡
	1725	56	Auto	115/230	3.9/1.9	1.35	B	72.4%	⅝"	1⅞"	10⅝"	**30PT54**	‡
	1725	56	Manual	115/230	3.8/1.9	1.35	B	72.4%	⅝"	1⅞"	10⅝"	**30PT57**	‡
	1140	56	None	115/230	4.4/2.3	1.35	B	66.6%	⅝"	1⅞"	11¼"	**30PT58**	‡
	1140	56	Auto	115/230	4.2/2.3	1.35	B	66.6%	⅝"	1⅞"	11⅛"	**30PT59**	‡
½	3450	48Z	None	115/230	5.0/2.5	1.25	B	72.4%	½"	1⅞"	10⅝"	**30PT61**	‡
	3450	56	Auto	115/230	5.0/2.5	1.25	B	72.4%	⅝"	1⅞"	10⅝"	**30PT60**	‡
	1725	48Z	None	115/230	5.0/2.6	1.25	B	76.2%	½"	1⅞"	10⅝"	**30PT64**	‡
	1725	48Z	Auto	115/230	5.0/2.6	1.25	B	76.2%	½"	1⅞"	10⅝"	**30PT65**	‡
	1725	56	Auto	115/230	5.0/2.6	1.25	B	76.2%	⅝"	1⅞"	10⅝"	**30PT62**	‡
	1725	56	None	115/230	5.0/2.6	1.25	B	76.2%	⅝"	1⅞"	10⅝"	**30PT63**	‡
	1725	56H	Auto	115/230	5.0/2.6	1.25	B	76.2%	⅝"	1⅞"	11⅛"	**30PT66**	‡
	1140	56	None	115/230	4.8/2.4	1.25	B	76.2%	⅝"	1⅞"	12⅝"	**30PT67**	‡
	1140	56	Auto	115/230	4.8/2.4	1.25	B	76.2%	⅝"	1⅞"	12⅝"	**30PT68**	‡
¾	3450	56	Auto	115/230	7.0/3.6	1.25	B	76.2%	⅝"	1⅞"	11 13⁄16"	**30PT89**	‡
	3450	56	None	115/230	7.0/3.6	1.25	B	76.2%	⅝"	1⅞"	11 13⁄16"	**30PT90**	‡
	1725	56	Auto	115/230	7.0/3.5	1.25	B	81.8%	⅝"	1⅞"	12⅝"	**30PT69**	‡
	1725	56	None	115/230	7.0/3.5	1.25	B	81.8%	⅝"	1⅞"	12⅝"	**30PT70**	‡
	1725	56H	Auto	115/230	7.0/3.5	1.25	B	81.8%	⅝"	1⅞"	12⅝"	**30PT71**	‡
	1140	56	None	115/230	7.4/3.7	1.15	B	80.2%	⅝"	1⅞"	13 13⁄16"	**30PT72**	†‡
	1140	56	Auto	115/230	6.6/3.4	1.15	B	80.2%	⅝"	1⅞"	13 13⁄16"	**30PT73**	‡
1	3450	56	Auto	115/230	9.3/4.3	1.25	B	80.4%	⅝"	1⅞"	13⅝"	**30PT74**	‡
	3450	56	None	115/230	9.3/4.3	1.25	B	80.4%	⅝"	1⅞"	13 13⁄16"	**30PT75**	‡
	1725	56	None	115/230	8.8/4.4	1.15	B	82.6%	⅝"	1⅞"	12⅝"	**30PT76**	‡
	1725	56	Auto	115/230	8.8/4.4	1.15	B	82.6%	⅝"	1⅞"	12⅝"	**30PT77**	‡
	1725	56H	Auto	115/230	8.8/4.4	1.15	B	82.6%	⅝"	1⅞"	12⅝"	**30PT78**	‡
	1140	56	Auto	115/230	8.9/4.6	1.15	B	81.1%	⅝"	1⅞"	13⅝"	**30PT79**	†‡
	1140	56	None	115/230	8.9/4.6	1.15	B	81.1%	⅝"	1⅞"	13⅝"	**30PT91**	†‡
1½	3450	56	Auto	115/230	13.3/6.7	1.15	B	81.5%	⅝"	1⅞"	12 13⁄16"	**30PT80**	‡
	3450	56	None	115/230	13.3/6.7	1.15	B	81.5%	⅝"	1⅞"	12 13⁄16"	**30PT88**	‡
	1725	56	None	115/230	13.4/6.7	1.15	B	83.8%	⅝"	1⅞"	12 13⁄16"	**30PT81**	‡
	1725	56	Auto	115/230	13.4/6.7	1.15	B	83.8%	⅝"	1⅞"	13⅝"	**30PT82**	‡
	1725	56H	Auto	115/230	13.4/6.7	1.15	B	83.8%	⅝"	1⅞"	13⅝"	**30PT83**	‡
2	3450	56	None	115/230	17.3/8.7	1.15	B	82.9%	⅝"	1⅞"	13 13⁄16"	**30PT85**	‡
	3450	56H	Auto	115/230	17.3/8.7	1.15	B	82.9%	⅝"	1⅞"	13 13⁄16"	**30PT84**	‡
	1725	56H	Auto	115/230	17.0/8.5	1.15	B	84.5%	⅝"	1⅞"	13⅝"	**30PT86**	‡
	1725	56H	None	115/230	17.0/8.5	1.15	B	84.5%	⅝"	1⅞"	13⅝"	**30PT87**	‡
Open Dripproof, 2-Speed													
½, ⅓	1725/1140	56	None	115	7.1/3.7	1.25	B	63.6%	⅝"	1⅞"	11¼"	**5FTR9**	*
	1725/1140	56	Auto	115	7.1/3.7	1.25	B	63.7%	⅝"	1⅞"	11¼"	**5FTT0**	*
¾, ¼	1725/1140	56	None	115	7.9/4.9	1.25	B	73.3%	⅝"	1⅞"	10 13⁄16"	**6XJ26**	†
¾, ⅓	1725/1140	56	Auto	115	9.8/5.2	1.25	B	69.7%	⅝"	1⅞"	11 13⁄16"	**5FTT1**	*
1, ⅓	1725/1140	56	None	115	10.1/7.1	1.15	B	74.4%	⅝"	1⅞"	11 13⁄16"	**6XJ34**	†
	1725/1140	56	None	208-230	5.2-5.0/3.5	1.15	B	76.3%	⅝"	1⅞"	11 13⁄16"	**6XJ36**	†
	1725/1140	56	Auto	115	11.9/6.0	1.15	B	69.1%	⅝"	1⅞"	11 13⁄16"	**5FTT2**	*
Totally Enclosed Fan-Cooled, 1-Speed													
¼	3450	48Z	Auto	115/230	5.2/2.6	1.00	B	47.1%	½"	1⅞"	12"	**5PHA0**	*
	3450	56	Auto	115/230	5.2/2.6	1.00	B	47.1%	⅝"	1⅞"	12"	**5PHA1**	*
	1725	48Z	None	115/230	5.3/2.7	1.00	B	54.3%	½"	1⅞"	11½"	**6XJ08**	*
	1725	56	Auto	115/230	5.3/2.7	1.00	B	54.3%	⅝"	1⅞"	11½"	**5K410**	*
⅓	3450	56	Auto	115/230	5.7/2.9	1.00	B	52.3%	⅝"	1⅞"	12"	**5PHA3**	*
	1725	56	Auto	115/230	5.8/2.9	1.00	B	54.3%	⅝"	1⅞"	11½"	**5K411**	*
	1140	56	Auto	115/230	6.3/3.2	1.00	B	57.6%	⅝"	1⅞"	12⅝"	**5PHA4**	*
½	3450	56	Auto	115/230	8.7/4.4	1.00	B	59.3%	⅝"	1⅞"	11 13⁄16"	**5PHA5**	*
	1725	56	Auto	115/230	10.1/5.1	1.00	B	60.3%	⅝"	1⅞"	12⅝"	**6K477**	*
	1140	56	Auto	115/230	8.5/4.2	1.00	B	59.0%	⅝"	1⅞"	13⅝"	**5PHA6**	*
¾	3450	56	Auto	115/230	10.1/5.1	1.00	B	65.4%	⅝"	1⅞"	12 13⁄16"	**5PHA7**	*
	1725	56	Auto	115/230	12.2/6.1	1.00	B	66.8%	⅝"	1⅞"	12⅞"	**6K478**	*
	1140	56H	Auto	115/230	10.4/5.2	1.00	B	73.7%	⅝"	1⅞"	14¼"	**5PHA8**	*
1	3450	56	Auto	115/230	14.5/7.3	1.00	B	72.0%	⅝"	1⅞"	13⅝"	**5PHA9**	*
	1725	56	Auto	115/230	13.1/6.6	1.00	B	72.3%	⅝"	1⅞"	12 13⁄16"	**6K810**	*
	1140	56H	Auto	115/230	12.1/6.1	1.00	B	75.7%	⅝"	1⅞"	14¾"	**5PHC0**	

**** Capacitor-start. † Cradle with studs in a 4¾6" square pattern. ‡ Complies with 2015 efficiency legislation for small-frame motors; see page 5 for more information.***

Dayton

2015 SMALL MOTOR LEGISLATION

Capacitor-Start/Run Open Dripproof and Totally Enclosed Fan-Cooled Cradle-Base Mount Motors

- Rotation: CW/CCW
- Frame material: steel
- Bearings: ball
- Max. ambient temp.: 40°C

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 dripproof motors are used, and are also suitable for dusty, dirty, and nonhazardous environments. UL Recognized and CSA Certified.

HP	Nameplate RPM	Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Ins. Class	Nom. Efficiency	Overall Length	Item No.	
¼	1725	48	Auto	115/208-230	2.4/1.2-1.2	1.35	B	68.5%	10⅜"	**20CL63**	‡
	1725	56	Auto	115/208-230	2.4/1.2-1.2	1.35	B	68.5%	10¾"	**20VD04**	‡
	1725	56	None	115/208-230	2.4/1.2-1.2	1.35	B	68.5%	10¾"	**20VD11**	‡
	1140	56	None	115/208-230	2.4/1.2-1.2	1.35	B	62.2%	12"	**20VD16**	‡
⅓	3450	48	Auto	115/208-230	3.0/1.6-1.5	1.35	B	70.5%	10⅛"	**20CL57**	‡
	3450	48	None	115/208-230	3.0/1.6-1.5	1.35	B	70.5%	10⅛"	**20CL58**	‡
	1725	48	None	115/208-230	3.8/1.9-1.9	1.35	B	72.4%	10⅝"	**20CL61**	‡
	1725	48	Auto	115/208-230	3.8/1.9-1.9	1.35	B	72.4%	10⅝"	**20CL64**	‡
	1725	56	None	115/208-230	3.8/1.9-1.9	1.35	B	72.4%	11"	**20VD05**	‡
	1725	56	Auto	115/208-230	3.8/1.9-1.9	1.35	B	72.4%	11"	**20VD07**	‡
	1725	56	Manual	115/208-230	3.8/1.9-1.9	1.35	B	72.4%	11"	**20VD09**	‡
	1140	56	None	115/208-230	3.4/1.8-1.7	1.35	B	66.6%	12"	**31TR95**	‡
½	3450	48	Auto	115/208-230	4.4/2.4-2.2	1.25	B	72.4%	10⅝"	**20CL53**	‡
	3450	48	None	115/208-230	4.4/2.4-2.2	1.25	B	72.4%	10⅝"	**20CL54**	‡
	3450	48	Manual	115/208-230	4.4/2.4-2.2	1.25	B	72.4%	10⅝"	**20CL62**	‡
	3450	56	Auto	115/208-230	4.4/2.4-2.2	1.25	B	72.4%	11"	**20VD17**	‡
	3450	56	Manual	115/208-230	4.4/2.4-2.2	1.25	B	72.4%	11"	**20VD18**	‡
	3450	56	None	115/208-230	4.4/2.4-2.2	1.25	B	72.4%	11"	**20VD19**	‡
	1725	48	Auto	115/208-230	4.6/2.4-2.3	1.25	B	76.2%	11⅛"	**20CL56**	‡
	1725	48	None	115/208-230	4.6/2.4-2.3	1.25	B	76.2%	11⅛"	**20CL60**	‡
	1725	56	None	115/208-230	4.6/2.4-2.3	1.25	B	76.2%	11½"	**20VD06**	‡
	1725	56	Auto	115/208-230	4.6/2.4-2.3	1.25	B	76.2%	11½"	**20VD08**	‡
	1725	56	Manual	115/208-230	4.6/2.4-2.3	1.25	B	76.2%	11½"	**20VD10**	‡
	1140	56	None	115/208-230	5.6/3.0-2.8	1.25	B	76.2%	12⅛"	**31TR96**	‡
¾	3450	48	None	115/208-230	7.2/4.0-3.6	1.25	B	76.2%	11⅛"	**20CL55**	‡
	3450	48	Auto	115/208-230	7.2/4.0-3.6	1.25	B	76.2%	11⅛"	**20CL59**	‡
	3450	56	Auto	115/208-230	7.2/4.0-3.6	1.25	B	76.2%	11½"	**20VD15**	‡
	3450	56	None	115/208-230	7.2/4.0-3.6	1.25	B	76.2%	11½"	**20VD20**	‡
	1725	56	None	115/208-230	6.6/3.5-3.3	1.25	B	81.8%	13⅛"	**31TR72**	‡
	1725	56	Auto	115/208-230	6.6/3.5-3.3	1.25	B	81.8%	13⅛"	**31TR73**	‡
	1725	56	Manual	115/208-230	6.6/3.5-3.3	1.25	B	81.8%	13⅛"	**31TR74**	‡
	1140	56H	None	115/208-230	6.7/3.7-3.35	1.15	B	80.2%	13 1/16"	**31TT06**	‡
1	3450	56	Auto	115/208-230	8.8/4.9-4.4	1.25	B	80.4%	12⅜"	**31TR94**	‡
	3450	56	None	115/208-230	8.8/4.9-4.4	1.25	B	80.4%	12⅜"	**31TT03**	‡
	3450	56	Manual	115/208-230	8.8/4.9-4.4	1.25	B	80.4%	12⅜"	**31TT04**	‡
	1750	182	None	115/230	14.0/7.2	1.25	F	73.0%	12¾"	**5K480**	*
	1725	143T	None	115/208-230	14.8/7.5-7.3	1.25	B	71.5%	12¼"	**6K825**	*
	1725	56H	None	115/208-230	8.4/4.6-4.2	1.15	B	82.6%	12⅝	**31TR75**	‡
	1725	56HZ	Auto	115/208-230	8.4/4.6-4.2	1.15	B	82.6%	13"	**31TR77**	‡
	1725	56H	Auto	115/208-230	8.4/4.6-4.2	1.15	B	82.6%	13⅛"	**31TR80**	‡
	1725	56HZ	None	115/208-230	8.4/4.6-4.2	1.15	B	82.6%	13¼"	**31TR81**	‡
	1725	56HZ	Manual	115/208-230	8.4/4.6-4.2	1.15	B	82.6%	13"	**31TR86**	‡
	1725	56H	Manual	115/208-230	8.4/4.6-4.2	1.15	B	82.6%	12⅝"	**31TR87**	‡
1½	3450	143T	None	115/208-230	18.6/9.8-9.3	1.15	B	70.0%	12¼"	**6K630**	*
	3450	56H	Manual	115/208-230	13.6/7.0-6.8	1.15	B	81.5%	12 15/16"	**31TR97**	‡
	3450	56H	Auto	115/208-230	13.6/7.0-6.8	1.15	B	81.5%	12 15/16"	**31TR98**	‡
	3450	56H	None	115/208-230	13.6/7.0-6.8	1.15	B	81.5%	12 15/16"	**31TR99**	‡
	1750	184	None	115/230	22.0/11.0	1.15	F	74.3%	13¼"	**5K481**	*
	1725	145T	None	115/208-230	19.2/10.0-9.6	1.15	B	74.0%	13¼"	**6K826**	*
	1725	56H	None	115/208-230	12.6/6.9-6.3	1.15	B	83.8%	13⅝"	**31TR76**	‡
	1725	56H	Manual	115/208-230	12.6/6.9-6.3	1.15	B	83.8%	13⅛"	**31TR78**	‡
	1725	56HZ	Auto	115/208-230	12.6/6.9-6.3	1.15	B	83.8%	13⅞"	**31TR79**	‡
	1725	56HZ	None	115/208-230	12.6/6.9-6.3	1.15	B	83.8%	13⅞"	**31TR82**	‡
	1725	56H	Auto	115/208-230	12.6/6.9-6.3	1.15	B	83.8%	13⅛"	**31TR83**	‡
	1725	56HZ	Manual	115/208-230	12.6/6.9-6.3	1.15	B	83.8%	13⅞"	**31TR85**	‡
2	3450	145T	None	115/208-230	17.5/9.3-8.6	1.15	B	80.0%	13¼"	**6K631**	
	3450	56H	Auto	115/208-230	17.8/9.2-8.9	1.15	B	82.9%	11 15/16"	**31TT01**	‡
	3450	56H	None	115/208-230	17.8/9.2-8.9	1.15	B	82.9%	12 15/16"	**31TT02**	‡
	3450	56H	Manual	115/208-230	17.8/9.2-8.9	1.15	B	82.9%	11 15/16"	**31TT05**	‡
	1740	213	None	115/230	24.6/12.3	1.15	F	76.1%	15"	**5K482**	*
	1730	182T	None	115/230	23.2/11.6	1.15	F	75.1%	14¾"	**5K953**	*
	1725	56H	None	115/208-230	17.6/9.5-8.8	1.15	B	84.5%	13 7/16"	**31TR70**	‡
	1725	56H	Auto	115/208-230	17.6/9.5-8.8	1.15	B	84.8%	14 3/16	**31TR71**	‡
	1725	56HZ	None	115/208-230	17.6/9.5-8.8	1.15	B	84.5%	14¾"	**31TR84**	‡
	1725	56HZ	Auto	115/208-230	17.6/9.5-8.8	1.15	B	84.5%	14¾"	**31TR88**	‡
3	3540	182T	None	115/230	32.0/16.0	1.15	F	84.9%	17¼"	**6K632**	*
	3450	145T	None	115/230	25.0/12.5	1.15	B	84.1%	13¾"	**5JE13**	
	1745	215	None	115/230	35.6/17.8	1.15	F	80.4%	16⅞"	**5K483**	
	1735	184T	None	115/230	32.0/16.0	1.15	F	78.1%	15¾"	**5K675**	*
5	3530	184T	None	230	19.6	1.15	F	88.1%	18"	**6K633**	
	1745	213T	None	230	22	1.15	F	85.0%	17¼"	**5K676**	
	1740	184T	None	230	20	1.15	F	84.2%	16¼"	**6K854**	
7½	3530	213T	None	230	30.3	1.15	F	89.3%	19⅛"	**6K634**	
	1740	215T	None	230	35.5	1.15	F	85.4%	19⅞"	**5K677**	
10	1740	215T	None	230	42.2	1.15	F	88.2%	19⅞"	**6K100**	

** Capacitor-start. ‡ Complies with 2015 efficiency legislation for small-frame motors; see page 5 for more information.*

No. 20CL62

No. 6K634

Dayton

2015 SMALL MOTOR LEGISLATION

Capacitor-Start/Run Open Dripproof Rigid Base-Mount Motors

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

For use in clean, dry, and nonhazardous environments. 1½ HP and above feature side-mounted conduit box. UL Recognized and CSA Certified or UL Recognized for US and Canada.

No. 5K191

No. 6K562

Dayton

Capacitor-Start Totally Enclosed Fan-Cooled Rigid Base-Mount Motors

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

For use in dirty, dusty, and nonhazardous environments. Can be used in place of open dripproof motors. UL Recognized and CSA Certified or UL Recognized for US and Canada.

HP	Nameplate RPM	Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Ins. Class	Overall Length	Item No.	
¼	1725	48	Auto	115/208-230	5.6/2.7-2.8	1.00	B	10½"	**5K191**	
	1725	56	None	115/208-230	5.6/2.7-2.8	1.15	B	11"	**5K262**	
	1725	56	Auto	115/208-230	5.6/2.7-2.8	1.15	B	11"	**5K263**	
	1140	56	None	115/208-230	6.9/3.0-3.4	1.15	B	11⅜"	**5UKE5**	
⅓	3450	48	Auto	115/208-230	4.7/2.4-2.3	1.00	B	9¾"	**6K481**	†
	3450	48	None	115/208-230	4.7/2.4-2.3	1.00	F	10"	**5UKE6**	†
	1725	48	Auto	115/208-230	6.6/3.0-3.3	1.15	B	10¼"	**5K192**	
	1725	56	None	115/208-230	6.0/3.0-3.0	1.15	B	11"	**4K936**	
	1725	56	Auto	115/208-230	7.0/3.3-3.5	1.15	B	10⅝"	**5K121**	
	1725	56	Manual	115/208-230	6.6/3.0-3.3	1.15	B	11"	**5UKE8**	
	1140	56	None	115/208-230	6.8/3.4-3.4	1.00	B	11⅜"	**5K502**	
½	3450	48	Auto	115/208-230	6.3/3.4-3.3	1.00	B	10⁷⁄₁₆"	**6K482**	†
	3450	48	Manual	115/208-230	6.5/3.5-3.4	1.00	B	11½"	**5UKE9**	†
	3450	48	None	115/208-230	6.5/3.5-3.4	1.00	B	10⁷⁄₁₆"	**5UKF0**	†
	3450	56	Manual	115/208-230	8.0/3.8-4.0	1.00	B	11⁹⁄₁₆"	**6K184**	
	3450	56	Auto	115/208-230	8.6/4.1-4.4	1.00	B	11⅞"	**5UKF1**	
	3450	56	None	115/208-230	8.6/4.1-4.4	1.00	B	11¹³⁄₁₆"	**5UKF2**	
	1725	48	Auto	115/208-230	8.5/4.2-4.3	1.00	F	11⅛"	**5K193**	
	1725	48	None	115/208-230	8.2/4.1-4.1	1.00	B	11"	**6K177**	
	1725	56	Auto	115/208-230	9.0/4.3-4.5	1.15	B	11⅜"	**6K122**	
	1725	56	Manual	115/208-230	9.0-4.3-4.5	1.15	B	11"	**6K637**	
	1725	56	None	115/208-230	9.0/4.3-4.5	1.15	B	11⅜"	**6K937**	
	1140	56	None	115/208-230	10.6/5.4-5.3	1.00	B	13⅜"	**5K672**	*
¾	3450	48	None	115/208-230	11.1/5.4-5.6	1.00	F	12"	**5UKF4**	
	3450	56	Manual	115/208-230	10.4/5.3-5.2	1.00	B	11⅞"	**6K358**	
	3450	56	Auto	115/208-230	10.4/5.3-5.2	1.15	B	11⁵⁄₁₆"	**6K483**	
	1725	56	Auto	115/208-230	11.4/5.7-5.7	1.15	F	11⅞"	**6K123**	
	1725	56	Manual	115/208-230	11.4/5.7-5.7	1.15	B	11⅞"	**6K639**	
	1725	56	None	115/208-230	11.4/5.7-5.7	1.15	F	11⅜"	**6K938**	
	1140	56H	None	115/208-230	10.6/5.4-5.3	1.15	B	13⅜"	**5UKF6**	*
1	3450	56	Manual	115/208-230	13.6/6.9-6.8	1.00	B	12⅜"	**5K960**	
	3450	56	Auto	115/208-230	13.6/6.9-6.8	1.00	B	12⅜"	**6K484**	
	3450	56	None	115/208-230	13.6/6.9-6.8	1.00	B	12⁷⁄₁₆"	**5UKF7**	
	1740	182	None	115/230	13.8/6.9	1.00	F	14⅛"	**5K485**	
	1725	56H	None	115/208-230	14.0/6.9-7.0	1.15	B	12⅜"	**1K065**	
	1725	56H	Auto	115/208-230	9.9/5.2-5.0	1.15	B	12¹⁵⁄₁₆"	**6K562**	*
	1725	56H	Manual	115/208-230	14.0/6.9-7.0	1.15	B	12⅜"	**6K640**	
	1725	56HZ	None	115/208-230	14.0/6.9-7.0	1.15	B	12¾"	**6K407**	
	1725	56HZ	Manual	115/208-230	14.0/6.9-7.0	1.15	B	12¾"	**6K418**	
	1725	56HZ	Auto	115/208-230	14.0/6.9-7.0	1.15	B	12¾"	**5UKF8**	
	1725	143T	None	115/208-230	14.0/6.9-7.0	1.15	B	12¾"	**6K827**	
1½	3450	56H	Manual	115/208-230	14.6/8.1-7.4	1.00	B	12⅞"	**6K338**	*
	3450	56H	Auto	115/208-230	14.6/8.1-7.4	1.00	B	12⅞"	**6XJ53**	*
	3450	143T	None	115/208-230	14.6/8.1-7.4	1.00	B	13¼"	**3K300**	*
	1750	184	None	115/230	18.4/9.2	1.00	F	15⅛"	**5K486**	
	1725	56H	None	115/208-230	14.4/8.0-7.2	1.15	B	13⅞"	**1K066**	*
	1725	56H	Auto	115/208-230	14.4/8.0-7.2	1.15	B	13-14/16"	**5K565**	*
	1725	56H	Manual	115/208-230	14.4/8.0-7.2	1.15	B	13⅞"	**5K641**	*
	1725	56HZ	None	115/208-230	14.4/8.0-7.2	1.15	B	14¼"	**6K419**	*
	1725	56HZ	Manual	115/208-230	14.4/8.0-7.2	1.15	B	14¼"	**6K420**	*
	1725	56HZ	Auto	115/208-230	14.4/8.0-7.2	1.15	B	14¼"	**5UKG0**	*
	1725	145T	None	115/208-230	14.4/8.0-7.2	1.15	B	14¼"	**6K828**	*
2	3450	56H	Manual	115/208-230	19.5/10.8-9.7	1.00	B	13⅜"	**5K961**	*
	3450	56H	Auto	115/208-230	19.5/10.8-9.7	1.15	B	13⅞"	**5UKG3**	*
	3450	56H	None	115/208-230	19.5/10.8-9.7	1.00	B	13⅜"	**5UKG4**	*
	3450	145T	None	115/208-230	19.5/10.8-9.7	1.00	B	14¼"	**3K344**	*
	1740	182T	None	115/230	23.6/11.8	1.00	F	15⅛"	**5K966**	*
	1725	56H	None	115/208-230	18.9/10.3-9.4	1.00	F	13⅞"	**1K067**	*
	1725	56H	Auto	115/208-230	18.9/10.3-9.4	1.00	F	14⁷⁄₁₆"	**5UKG5**	*
	1725	56HZ	Auto	115/230	18.9/9.4	1.00	F	14⁵⁄₁₆"	**5UKG6**	*
	1725	56HZ	None	115/208-230	18.8/10.2-9.4	1.00	B	14⁵⁄₁₆"	**5UKG7**	*
3	3540	182T	None	115/230	32.0/16.0	1.00	F	16⅝"	**6K145**	
	3450	145T	None	230	15.4	1.00	F	15"	**5UKG8**	*
	1740	184T	None	115/230	30.0/15.0	1.00	F	17⅝"	**5K967**	*
5	3540	184T	None	230	19.6	1.15	F	17¹¹⁄₃₂"	**6K146**	*
	1745	213T	None	230	23.0	1.00	F	19⁹⁄₁₆"	**5K968**	*
	1740	184T	None	230	22.0	1.00	F	18⅛"	**2TJ12**	*
7½	3530	213T	None	230	30.3	1.00	F	20"	**6K179**	*
	1745	215T	None	230	30	1.00	F	22⅛"	**6K176**	*
10	3535	215T	None	230	41.5	1.00	F	22⅛"	**5UKH0**	*
	1730	215T	None	230	38.0	1.00	F	22⅛"	**5UKH1**	*

***** Capacitor-start, capacitor-run. † Totally enclosed nonventilated.***

Capacitor-Start Open Dripproof and Totally Enclosed Face-Mount Motors

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

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. UL Recognized and CSA Certified or UL Recognized for US and Canada.

HP	Nameplate RPM	Frame	Motor Thermal Protection	Voltage	Full Load Amps	Motor Service Factor	Ins. Class	Nom. Efficiency	Brand	Item No.	
Open Dripproof, Face-Mount											
¼	1725	56C	None	115/230	3.1/1.5	1.35	B	68.5%	Dayton	**30PT38**	*‡
	1725	56C	Auto	115/208-230	2.4/1.2-1.2	1.35	B	68.5%	Dayton	**20VD14**	*‡
⅓	1725	56C	None	115/230	3.8/1.9	1.35	B	72.4%	Dayton	**30PT39**	*‡
	1725	56C	Auto	115/208-230	3.8/1.9-1.9	1.35	B	72.4%	Dayton	**20VD12**	*‡
½	1725	56C	None	115/230	5.0/2.6	1.25	B	76.2%	Dayton	**30PT40**	*‡
	1725	56C	Auto	115/208-230	4.6/2.4-2.3	1.25	B	76.2%	Dayton	**20VD13**	*‡
¾	1725	56C	None	115/230	7.0/3.5	1.25	B	81.8%	Dayton	**30PT41**	*‡
	1725	56C	Auto	115/208-230	6.6/3.5-3.3	1.25	B	81.8%	Dayton	**31TR92**	*‡
1	1725	56C	None	115/208-230	8.4/4.6-4.2	1.15	B	82.6%	Dayton	**31TR91**	*‡
	1725	56C	Auto	115/208-230	8.4/4.6-4.2	1.15	B	82.6%	Dayton	**31TR93**	*‡
1½	1725	56C	None	115/230	13.4/6.7	1.15	B	83.8%	Dayton	**30PT42**	*‡#
2	1725	56C	None	115/208-230	17.6/9.5-8.8	1.15	B	84.5%	Dayton	**31TR89**	*‡#
Open Dripproof, Face/Base-Mount											
⅓	1725	56C	None	115/230	3.8/1.9	1.35	B	72.4%	Dayton	**30PT43**	*‡
½	1725	56C	None	115/230	5.0/2.6	1.25	B	76.2%	Dayton	**30PT44**	*‡
¾	1725	56C	None	115/208-230	6.6/3.5-3.3	1.25	B	81.8%	Dayton	**31TR90**	*‡
1	1725	145TC	None	115/208-230	14.8/7.5-7.3	1.15	B	70.0%	Dayton	**4K811**	#
1½	1725	145TC	None	115/208-230	19.2/10.0-9.6	1.15	B	74.0%	Dayton	**4K812**	#
3	1750	184TC	None	115/230	33.0/16.5	1.15	F	82.7%	Dayton	**4K815**	*#
Totally Enclosed Fan-Cooled, Face-Mount											
⅛	1725	42CZ	None	115/230	3.8/1.9	1.15	B	49.1%	Dayton	**1K057**	#
	1725	56C	None	115/208-230	4.3/1.9-2.1	1.15	F	52.9%	Dayton	**5GD53**	†#
	1140	56C	None	115/208-230	3.8/1.8-1.9	1.15	B	54.1%	Dayton	**5GD54**	#
¼	1725	42CZ	None	115/230	4.5/2.3	1.15	B	60.3%	Dayton	**1K058**	#
	1725	56C	None	120/208-230	5.6/2.7-2.8	1.35	F	56.2%	Dayton	**6K975**	#
	1140	56C	None	115/208-230	5.6/2.7-2.8	1.00	B	58.5%	Dayton	**6XJ44**	#
⅓	3450	56C	Auto	115/208-230	4.7/2.4-2.3	1.00	B	60.0%	Dayton	**6K181**	†#
	1725	42CZ	None	115/230	6.2/3.1	1.00	F	61.2%	Dayton	**1K059**	#
	1725	56C	None	115/208-230	7.7/3.9-3.9	1.15	B	52.7%	Dayton	**5K341**	#
½	3450	56C	Auto	115/208-230	7.8/4.1-3.9	1.00	B	57.8%	Dayton	**6K182**	#
	3450	56C	Auto	115/230	7.4/3.7	1.15	B	64.0%	Marathon	**2K376**	
	1725	56C	None	115/208-230	7.7/3.9-3.9	1.15	B	60.8%	Dayton	**6K342**	#
	1725	56C	Auto	115/208-230	9.0/4.3-4.5	1.15	B	60.7%	Dayton	**5GD57**	#
	1725	56C	Auto	115/230	8.6/4.3	1.15	B	64.0%	Marathon	**21YZ93**	
	1140	56C	None	115/208-230	10.4/5.1-5.2	1.15	B	62.2%	Dayton	**5GD58**	#
¾	3450	56C	Auto	115/208-230	10.4/5.3-5.2	1.15	B	67.8%	Dayton	**6K831**	#
	3450	56C	Auto	115/230	9.8/4.9	1.00	B	70.0%	Marathon	**2K388**	
	1725	56C	None	115/208-230	11.0/5.4-5.5	1.15	B	70.2%	Dayton	**6K436**	#
	1725	56C	Auto	115/208-230	11.4/5.7-5.7	1.15	B	69.0%	Dayton	**5GD60**	#
1	3450	56C	Auto	115/208-230	13.6/6.9-6.8	1.00	B	66.7%	Dayton	**6K197**	#
	1725	56C	None	115/208-230	9.9/5.2-5.0	1.15	B	79.3%	Dayton	**6K674**	*#
1½	3450	56C	Auto	115/208-230	14.6/8.1-7.4	1.00	B	78.5%	Dayton	**6K832**	*#
	3450	56C	Auto	115/230	16.4/8.2	1.00	B	75.5%	Marathon	**2K389**	
	1725	56C	None	115/208-230	14.4/8.0-7.2	1.15	B	80.0%	Dayton	**6K702**	*#
2	3450	56C	None	115/208-230	19.5/10.8-9.7	1.15	B	80.0%	Dayton	**5GD67**	*#
	3450	56C	None	115/208-230	19.5/10.8-9.7	1.00	B	80.0%	Dayton	**5GD68**	*#
	3450	56C	Auto	115/230	17.8/8.9	1.00	B	78.5%	Marathon	**2K383**	
	1725	56C	None	115/208-230	18.8/10.2-9.4	1.00	F	81.5%	Dayton	**1K075**	*#
Totally Enclosed Fan-Cooled, Face/Base-Mount											
⅓	3450	56C	Auto	115/208-230	6.6/3.2-3.3	1.15	B	51.6%	Dayton	**1K076**	#
	1725	56C	None	115/208-230	6.6/3.0-3.3	1.00	B	71.6%	Dayton	**1K077**	#
½	3450	56C	Auto	115/208-230	7.8/4.1-3.9	1.00	B	56.1%	Dayton	**1K078**	#
	1725	56C	None	115/208-230	7.7/3.9-3.9	1.15	B	69.4%	Dayton	**1K079**	#
¾	3450	56C	Auto	115/208-230	10.4/5.3-5.2	1.15	B	74.7%	Dayton	**1K080**	#
	1725	56C	None	115/208-230	11.0/5.4-5.5	1.15	B	71.3%	Dayton	**1K081**	#
1	3450	56C	None	115/208-230	13.9/6.9-7	1.00	B	75.1%	Dayton	**3K348**	#
	3450	56C	Auto	115/230	13.0/6.5	1.00	B	70.0%	Marathon	**2K380**	
	1725	56HC	None	115/208-230	9.9/5.2-5.0	1.15	B	67.8%	Dayton	**6K045**	*#
1½	1725	56HC	None	115/208-230	14.4/8.0-7.2	1.15	B	80.0%	Dayton	**1K082**	*#

No. 30PT38

No. 1K057

No. 1K081

**** Capacitor-start/run. † Totally enclosed nonventilated. ‡ Complies with 2015 efficiency legislation for small-frame motors; see page 5 for more information. # Supplied with conduit box.***

Capacitor-Start/Run Totally Enclosed Face-Mount Motors

- Rotation: CW/CCW
- 60/50 Hz
- Insulation: Class B
- Bearings: ball
- Max. ambient temp.: 40°C
- Include side-mount conduit box

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

HP	Nameplate RPM	Frame	Motor Thermal Protection	Voltage	Full Load Amps	Motor Service Factor	Nom. Efficiency	Mfr. Stock No.	Item No.
Face-Mount									
⅓	1725/1425	56C	None	120/240	4.0-3.8/2.0-1.9	1.35	70.2%	E256	**1K125**
½	1725/1425	56C	None	120/240	5.8-5.6/2.9-2.8	1.25	74.0%	E265	**1K128**
1	1725/1425	56C	None	120/240	11.8-11.4/15.9-5.7	1.15	77.4%	E283	**1K134**
Face/Base-Mount									
⅓	1725/1425	56C	Manual	120/240	4.0-3.8/2.0-1.9	1.35	70.2%	E255	**1K124**
	1725/1425	56C	Auto	120/240	4.0-3.8/2.0-1.9	1.35	70.2%	E257	**1K126**
½	1725/1425	56C	Auto	120/240	5.8-5.6/2.9-2.8	1.25	74.0%	E266	**1K129**
¾	1725/1425	56C	Auto	120/240	9.0-8.8/4.5-4.4	1.25	75.2%	E275	**1K132**
1	1725/1425	56C	Manual	120/240	11.8-11.4/15.9-5.7	1.15	77.4%	EG282	**1K133**
	1725/1425	56C	Auto	120/240	11.8-11.4/15.9-5.7	1.15	77.4%	EG284	**1K135**

No. 1K132

Find Motor Selection Guidelines on pg. 3, or use MotorMatch® at grainger.com/motors

No. 2NKY8

No. 20CL65

Dayton NEMA Premium

3-Phase Open Dripproof Rigid Base Motors

- Rotation: CW/CCW
- Thermal protection: none
- Voltage: 230/460
- Insulation: Class F motors have Class B temperature rise for longer life
- Inverter rated
- Bearings: ball
- Max. ambient temp.: 40°C
- Usable at 208V

143-5T/56HZ frames have ⅞" x 2¼" shaft and base bolt-hole configuration to match 56, 56H, 143T, and 145T. Steel frame. All models are suitable for clean, dry, nonhazardous applications with pumps, ventilation equipment, machine tools, and other industrial equipment. UL Recognized and CSA Certified or UL Recognized for US and Canada.

HP	Nameplate RPM	Frame	Full Load Amps	Service Factor	Ins. Class	Nom. Efficiency	Overall Length	Item No.	
NEMA Premium Efficient									
1	1760	143-5T/56HZ	3.2-3.1/1.6	1.15	F	85.5%	12 13/16"	**2NKX3**	*
	1770	182/4	2.7/1.3	1.15	F	85.5%	14¼"	**36VE91**	*†
	1165	143-5T/56HZ	4.0/2.0	1.15	F	82.5%	14 1/16"	**2NKX5**	*
	1170	182/4	2.5/1.2	1.15	F	82.5%	13½"	**36VE93**	*†
1½	3525	143-5T/56HZ	3.8/1.9	1.15	F	84.0%	12 13/16"	**2NKY4**	*
	3530	182/4	4.1/2.0	1.15	F	84.0%	13½"	**36VE97**	*†
	1760	56H	4.2/2.1	1.15	F	86.5%	13 1/16"	**31LH33**	†
	1750	143-5T/56HZ	4.3/2.1	1.15	F	86.5%	12 13/16"	**2NKX7**	*
	1770	182/4	4.1/2.0	1.15	F	86.5%	13½"	**36VE92**	*†
	1170	182/4	4.6/2.3	1.15	F	86.5%	14¼"	**36VE94**	*†
	1165	182/4T	4.5/2.2	1.15	F	86.5%	13½"	**36VF34**	*†
2	3510	56H	5.3/2.7	1.15	F	85.5%	12 1/16"	**31LH34**	†
	3515	143-5T/56HZ	5.0/2.5	1.15	F	85.5%	12 13/16"	**2NKX9**	*
	3520	182/4	5.1/2.2	1.15	F	85.5%	13½"	**36VE98**	*†
	1745	143-5T/56HZ	5.6/2.8	1.15	F	86.5%	12 13/16"	**2NKY2**	*
	1750	182/4	6.2/3.1	1.15	F	86.5%	13⅛"	**2N982**	*†
	1165	182/4T	5.9/2.9	1.15	F	87.5%	14¾"	**36VF35**	*†
	1170	213/5	6.2/3.1	1.15	F	88.5%	16 13/16"	**2N990**	*†
3	3490	143-5T/56HZ	7.4/3.7	1.15	F	85.5%	12 13/16"	**2NKY6**	*
	3445	182/4	7.8/3.9	1.15	F	85.5%	13½"	**36VE99**	*†
	1760	143-5T/56HZ	8.1/4.0	1.15	F	90.2%	16⅛"	**41D773**	*†
	1770	182/4T	7.8/3.9	1.15	F	89.5%	14"	**2NKY8**	*
	1740	213/5	7.9/3.9	1.15	F	89.5%	16 13/16"	**2N983**	*†
	1180	213/5	8.6/4.4	1.15	F	88.5%	16 3/16"	**36VE95**	*†
	1175	213/5T	8.3/4.1	1.15	F	88.5%	16⅝"	**36VF36**	*†
5	3520	182/4T	12.2/6.1	1.15	F	86.5%	14¾"	**36VF37**	*†
	3550	213/5	12.0/6.0	1.15	F	86.5%	16 3/16"	**36VF01**	*†
	1760	182/4T	12.7/6.3	1.15	F	89.5%	16⅜"	**36VF38**	*†
	1740	213/5	12.7/6.4	1.15	F	89.5%	16 13/16"	**2N984**	*†
	1175	213/5T	13.4/6.7	1.15	F	89.5%	16"	**36VF39**	*†
	1180	254/6U	14.6/7.3	1.15	F	89.5%	20¼"	**36VE96**	*†
7½	3500	182/4T	17.3/8.6	1.15	F	88.5%	15 3/16"	**36VF40**	*†
	3540	213/5	17.8/8.9	1.15	F	88.5%	16 3/16"	**36VF02**	*†
	1770	213/5T	18.5/9.2	1.15	F	91.0%	16⅝"	**36VF41**	*†
	1770	254/6U	18.8/9.4	1.15	F	91.0%	21 13/16"	**2N985**	*†
	1175	254/6T	20.4/10.2	1.15	F	90.2%	20½"	**36VF06**	*†
10	3535	213/5T	23.3/11.6	1.15	F	89.5%	16"	**36VF42**	*†
	3540	254/6U	23.4/11.7	1.15	F	89.5%	20¼"	**36VF03**	*†
	1770	213/5T	24.8/12.4	1.15	F	91.7%	17¾"	**36VF43**	*†
	1770	254/6U	25.7/12.9	1.15	F	91.7%	21 13/16"	**2N986**	*†
	1180	254/6T	27.8/13.9	1.15	F	91.7%	20½"	**36VF07**	*†
15	3530	213/5T	34.0/17.0	1.15	F	90.2%	18 15/16"	**36VF44**	*†
	1770	254/6T	36.4/18.2	1.15	F	93.0%	22½"	**4GZC4**	*
	1175	284/6T	38.3/19.1	1.15	F	91.7%	25⅜"	**4GZC5**	*†
20	3530	254/6T	44.7/22.3	1.15	F	91.0%	20½"	**36VF08**	*†
	1770	254/6T	48.5/24.3	1.15	F	93.0%	22½"	**4GZC7**	*
	1175	284/6T	49.4/24.7	1.15	F	93.0%	25⅜"	**4GZC8**	*†
25	3530	254/6T	58.2/29.1	1.15	F	91.7%	20½"	**36VF09**	*†
	1765	284/6T	58.8/29.4	1.15	F	93.6%	25⅜"	**4GZD1**	*
30	1770	284/6T	69.4/34.7	1.15	F	94.1%	25⅜"	**4GZD4**	*
40	3535	284/6TS	89.6/44.8	1.15	F	92.4%	24"	**4GZD6**	*
	1180	364T	97.0/48.5	1.15	F	94.1%	31 1/16"	**4GZD8**	
50	3560	324TS	113/56.5	1.15	F	93.0%	27 1/16"	**4GZD9**	
	1780	326T	118.0/59	1.15	F	94.5%	28 9/16"	**4GZE1**	
Premium Efficient									
¼	1725	48	1.0/0.50	1.35	B	69.5%	10⅜"	**20CL67**	*‡
	1725	56	1.0/0.55	1.35	B	69.5%	10¾"	**20VD21**	*‡
	1140	56	1.2/0.60	1.35	B	67.5%	11 3/16"	**31TT09**	*‡
⅓	3450	48	1.4/0.70	1.35	B	69.5%	9 5/16"	**20CL65**	*‡
	1725	48	1.2/0.60	1.35	B	73.4%	10⅞"	**20CL68**	*‡
	1725	56	1.2/0.60	1.35	B	73.4%	11¼"	**20VD22**	*‡
	1140	56	1.4/0.70	1.35	B	71.4%	12"	**31TT10**	*‡
½	3450	48	1.8/0.90	1.25	B	73.4%	9 7/16"	**20CL66**	*‡
	3450	56	1.8/0.90	1.25	B	73.4%	10"	**20VD23**	*‡
	1725	56	1.7/0.85	1.25	B	78.2%	11⅛"	**31TT08**	*‡
	1140	56	2.8/1.4	1.25	B	75.3%	11 1/16"	**31TT11**	*‡
¾	1725	56	2.5/1.3	1.25	B	81.1%	11 5/16"	**31TT14**	*‡
	1140	56H	3.5/1.8	1.25	B	81.7%	14"	**31TT16**	*‡
1	3450	56	3.0/1.5	1.15	B	77.0%	10 3/16"	**30PT92**	*‡
	1725	56	3.0/1.5	1.15	B	83.5%	11 1/16"	**31TT12**	*‡
	1760	56H	3.14/1.57	1.15	F	83.5%	11½"	**31LH31**	†‡
	1725	56H	3.0/1.5	1.15	B	83.5%	11 1/16"	**31TT15**	*‡
1½	3450	56	4.2/2.1	1.15	B	84.0%	11 3/16"	**30PT93**	*‡
	3510	56H	3.7/1.85	1.15	F	84.0%	11⅞"	**31LH32**	†‡
	1725	56H	4.7/2.4	1.15	B	86.5%	13 7/16"	**31TT13**	*‡
2	3450	56H	5.4/2.7	1.15	B	85.5%	12 1/16"	**31TT07**	*‡
	1725	56H	6.0/3.0	1.15	B	86.5%	13 7/16"	**31TT22**	*‡
3	1735	56H	8.1/4.0	1.15	F	86.9%	13 1/16"	**31LH35**	†‡

** 60/50 Hz. † Usable at 200V at 1.0 SF. ‡ Complies with 2015 efficiency legislation for small-frame motors; see page 5 for more information.*

No. 14R028

No. 41D790

AEGIS® SGR BEARING PROTECTION RING

Looking for 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.

See page 17 or go to Grainger.com®

Dayton NEMA Premium

3-Phase Totally Enclosed Nonventilated and Totally Enclosed Fan-Cooled Rigid Base Motors

- Rotation: CW/CCW
- Thermal protection: none
- Voltage: 230/460
- Insulation: Class F motors have Class B temperature rise for longer life
- Inverter rated
- Bearings: ball
- Max. ambient temp.: 40°C
- Usable at 208V
- Warranty: 48, 56, and 143-5T/56HZ frame 1 yr.; 140T frame and above 3 yr.

143-5T/56HZ frame motors have ⅞" x 2¼" 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 are UL Recognized and CSA Certified.

No. 48ZJ83

HP	Nameplate RPM	Frame	Full Load Amps	Service Factor	Ins. Class	Nom. Efficiency	Frame Material	Overall Length	Item No.	
Totally Enclosed Nonventilated, NEMA Premium Efficient										
1	1750	56H	3.1-3.0/1.5	1.25	F	85.5%	Rolled Steel	11⅛"	**48ZJ83**	*†
Totally Enclosed Nonventilated, Premium Efficient										
¼	1725	48	1.2-1.2/0.60	1.00	B	69.7%	Rolled Steel	9 1/16"	**3N349**	*
⅓	3450	48	1.2-1.1/0.60	1.15	B	72.0%	Rolled Steel	9¼"	**3N854**	*
	1725	48	1.3-1.3/0.70	1.00	B	72.0%	Rolled Steel	10 1/16"	**3N350**	*
	1765	56	1.4-1.5/0.70	1.00	F	72.0%	Rolled Steel	10 3/16"	**3N694**	*
½	1755	56	1.9/1.8-1.0	1.15	F	78.5%	Rolled Steel	10 3/16"	**3N695**	*
¾	1725	56	2.9-2.8/1.4	1.15	B	81.1%	Rolled Steel	11⅞"	**3N696**	*
Totally Enclosed Fan-Cooled, NEMA Premium Efficient										
1	3475	143T	2.8/1.4	1.15	F	80.0%	Cast Iron	12 5/16"	**2MXT3**	
	1755	56H	3.0/1.5	1.25	F	85.5%	Rolled Steel	12⅝"	**48ZJ84**	*†
	1745	143T	2.7/1.4	1.15	F	85.5%	Cast Iron	12 5/16"	**2MXT4**	
	1755	143-5T/56HZ	3.1-3.0/1.5	1.25	F	85.5%	Rolled Steel	13"	**2NKX4**	*
	1760	182/4	3.4/1.7	1.15	F	85.5%	Steel	15¼"	**2N933**	*†
	1155	56H	3.5/1.8	1.25	F	82.5%	Rolled Steel	12⅝"	**48ZJ85**	*†
	1155	143-5T/56HZ	3.8/1.9	1.25	F	82.5%	Rolled Steel	13"	**2NKX6**	*
	1160	145T	3.2/1.6	1.15	F	82.5%	Cast Iron	13 9/16"	**2MXT5**	
	1170	182/4	3.2/1.6	1.15	F	82.5%	Rolled Steel	15⅞"	**36VE88**	*†
1½	3465	56H	3.9/1.9	1.15	B	84.0%	Rolled Steel	12⅝"	**48ZJ86**	*†
	3485	143T	3.9/1.9	1.15	F	84.0%	Cast Iron	12 5/16"	**2MXT6**	
	3515	143-5T/56HZ	4.0/2.0	1.25	F	84.0%	Steel	13"	**2NKY5**	*
	3455	182/4	3.9/1.9	1.15	F	84.0%	Steel	15¼"	**2N946**	*†
	1730	56H	4.1/2.0	1.15	F	86.5%	Steel	13 13/16"	**6VPF0**	*†
	1755	56H	4.3/2.1	1.25	F	86.5%	Rolled Steel	12⅝"	**48ZJ88**	*
	1755	143-5T/56HZ	4.8/2.4	1.25	F	86.5%	Rolled Steel	13"	**2NKX8**	*
	1740	145T	4.0/2.0	1.15	F	86.5%	Cast Iron	13 9/16"	**2MXT7**	
	1765	182/4	4.4/2.2	1.15	F	84.0%	Rolled Steel	15⅞"	**36VF24**	*†
	1170	182/4	4.5/2.2	1.15	F	85.5%	Rolled Steel	16⅝"	**36VE89**	*†
	1170	182/4T	5.8/2.9	1.15	F	87.5%	Steel	16 9/16"	**4GYY7**	*
	1180	182T	4.7/2.4	1.15	F	86.5%	Cast Iron	14 11/16"	**2MXT8**	
2	3505	56H	5.0/2.5	1.25	F	85.5%	Rolled Steel	12⅝"	**48ZJ89**	*†
	3505	143-5T/56HZ	4.8/2.4	1.25	F	85.5%	Rolled Steel	12¾"	**2NKY1**	*
	3480	145T	5.0/2.5	1.15	F	85.5%	Cast Iron	13 9/16"	**2MXT9**	
	3510	182/4	5.4/2.7	1.15	F	84.0%	Rolled Steel	15⅞"	**36VF26**	*†
	1745	56H	5.4/2.7	1.15	F	86.5%	Rolled Steel	13⅝"	**36VF93**	*†
	1750	56H	5.7/2.8	1.25	F	86.5%	Rolled Steel	12⅝"	**48ZJ90**	*†
	1750	143-5T/56HZ	5.8/2.9	1.25	F	86.5%	Rolled Steel	12¾"	**2NKY3**	*
	1730	145T	5.0/2.5	1.15	F	86.5%	Cast Iron	13 9/16"	**2MXU1**	
	1765	182/4	6.0/3.0	1.15	F	84.0%	Rolled Steel	15⅞"	**36VF25**	*†
	1165	182/4T	6.6/3.3	1.15	F	88.5%	Steel	16 9/16"	**4GYY8**	*
	1180	184T	6.1/3.1	1.15	F	88.5%	Cast Iron	15¾"	**2MXU2**	
	1175	213/5	6.3/3.1	1.15	F	88.5%	Steel	19¼"	**2N943**	*†
3	3510	143-5T/56HZ	7.2/3.6	1.25	F	86.5%	Rolled Steel	13"	**41D774**	*†
	3510	182/4	7.6/3.8	1.15	F	85.5%	Rolled Steel	15⅞"	**36VF27**	*†
	3500	182T	7.4/3.7	1.15	F	86.5%	Cast Iron	14 11/16"	**2MXU3**	
	3540	182T/4T	7.8/3.9	1.15	F	87.5%	Rolled Steel	14⅞"	**2NKY7**	*
	1765	182/4T	7.6/3.8	1.15	F	89.5%	Rolled Steel	17 15/16"	**36VF28**	*†
	1760	182T	7.6/3.8	1.15	F	89.5%	Cast Iron	14 11/16"	**2MXU4**	
	1770	213/5	7.8/3.9	1.15	F	87.5%	Rolled Steel	18 15/16"	**36VE86**	*†
	1170	213/5	8.9/4.5	1.15	F	89.5%	Steel	19¼"	**2N944**	*†
	1175	213/5T	8.3/4.1	1.15	F	89.5%	Rolled Steel	19 9/16"	**36VF29**	*†
	1180	213T	8.4/4.3	1.15	F	89.5%	Cast Iron	18"	**2MXU5**	
5	3500	182/4T	11.8/5.9	1.15	F	89.5%	Rolled Steel	17 13/16"	**36VF04**	*†
	3500	184T	12/6.0	1.15	F	88.5%	Cast Iron	16 9/16"	**2MXU6**	
	3485	213/5	12.4/6.2	1.15	F	88.5%	Steel	19¼"	**2N949**	*†
	1750	182/4T	13.0/6.4	1.15	F	89.5%	Rolled Steel	17 15/16"	**36VF05**	*†
	1750	184T	12.4/6.2	1.15	F	89.5%	Cast Iron	15¾"	**2MXU7**	
	1770	213/5	12.4/6.2	1.15	F	87.5%	Rolled Steel	18½"	**36VE87**	*†
	1175	213/5T	13.4/6.7	1.15	F	89.5%	Rolled Steel	20 1/16"	**36VF30**	*†
	1175	215T	13.8/6.9	1.15	F	89.5%	Cast Iron	19½"	**2MXU8**	
7½	3540	213/5T	17.6/8.8	1.15	F	90.2%	Rolled Steel	20½"	**36VF31**	*†
	3510	213T	17.8/8.9	1.15	F	89.5%	Cast Iron	18"	**2MXU9**	
	1770	213/5T	18.1/9.0	1.15	F	91.7%	Rolled Steel	18 15/16"	**36VF32**	*†
	1770	213T	19.6/9.8	1.15	F	91.7%	Cast Iron	18"	**2MXV1**	
	1770	254/6U	18.4/9.2	1.15	F	91.7%	Steel	23⅛"	**2N938**	*†
	1165	254T	20.9/10.4	1.15	F	91.0%	Cast Iron	23 1/16"	**2MXV2**	

No. 3N350

No. 2MXT3

No. 36VE89

** 60/50 Hz. † Usable at 200V at 1.0 SF.*

CONTINUED

CONTINUED

Dayton NEMA Premium

3-Phase Totally Enclosed Fan-Cooled Rigid Base Motors

HP	Nameplate RPM	Frame	Full Load Amps	Service Factor	Ins. Class	Nom. Efficiency	Frame Material	Overall Length	Item No.	
Totally Enclosed Fan-Cooled, NEMA Premium Efficient (Cont.)										
10	3485	213/5T	23.9/12.0	1.15	F	91.0%	Steel	20½"	**4GYZ7**	*
	3505	215T	23.0/11.5	1.15	F	90.2%	Cast Iron	19½"	**2MXV3**	
	1755	213/5T	24.4/12.2	1.15	F	91.7%	Rolled Steel	19⁵⁄₁₆"	**36VF33**	*†
	1770	215T	25.8/12.9	1.15	F	91.7%	Cast Iron	19½"	**2MXV4**	
	1180	256T	27.8/13.9	1.15	F	91.0%	Cast Iron	25⁷⁄₁₆"	**2MXV5**	
15	3540	254T	35.5/17.7	1.15	F	91.0%	Cast Iron	23¹¹⁄₁₆"	**2MXV6**	
	1770	254T	37.5/18.8	1.15	F	92.4%	Cast Iron	26¹⁄₁₆"	**2MXV7**	
20	3535	256T	47.3/23.6	1.15	F	91.0%	Cast Iron	25⁷⁄₁₆"	**2MXV9**	
	1770	256T	48.5/24.3	1.15	F	93.0%	Cast Iron	27¹³⁄₁₆"	**2MXW1**	
25	3550	284TS	58/29	1.15	F	91.7%	Cast Iron	25⁷⁄₁₆"	**2MXW3**	
	1775	284T	61.8/30.9	1.15	F	93.6%	Cast Iron	30¹⁄₁₆"	**2MXW4**	
30	3550	286TS	68.8/34.4	1.15	F	91.7%	Cast Iron	28¹⁵⁄₁₆"	**2MXW6**	
	1770	286T	73.2/36.6	1.15	F	93.6%	Cast Iron	31¼"	**2MXW7**	
40	3560	324TS	91.0/45.5	1.15	F	92.4%	Cast Iron	28⁷⁄₁₆"	**2MXW9**	
	1775	324T	94.8/47.4	1.15	F	94.1%	Cast Iron	29¹⁵⁄₁₆"	**2MXX1**	
	1185	364T	96.0/48.0	1.15	F	94.1%	Cast Iron	32⁹⁄₁₆"	**2MXX2**	
50	1780	326T	119.0/59.5	1.15	F	94.5%	Cast Iron	31⁷⁄₁₆"	**2MXX4**	
Totally Enclosed Fan-Cooled, Energy Efficient										
⅓	1140	56	1.4-1.4/0.70	1.00	B	70.0%	Rolled Steel	11⅞"	**2N925**	*
½	3450	48	2.0-2.0/1.0	1.15	B	76.0%	Rolled Steel	10¾6"	**10C901**	*
	1155	56	2.0/1.0	1.25	F	77.0%	Rolled Steel	12¹⁵⁄₁₆"	**2N926**	*
¾	3500	56	2.4-2.2/1.1	1.00	F	75.5%	Rolled Steel	11¹¹⁄₁₆"	**3N443**	*
	1725	48	2.8-2.8/1.5	1.00	B	74.0%	Rolled Steel	11½"	**10C899**	*
	1155	56H	3.0-2.9/1.5	1.15	F	78.5%	Rolled Steel	12-10/16"	**3N427**	*
Totally Enclosed Fan-Cooled, Standard Efficient										
⅓	1765	56	1.5/0.70	1.25	F	72.0%	Rolled Steel	11¹¹⁄₁₆"	**2N864**	*
½	3500	56	1.7-1.5/0.80	1.25	F	72.0%	Rolled Steel	11¹¹⁄₁₆"	**3N442**	*
	1725	48	1.9-1.9/1.0	1.00	B	74.0%	Rolled Steel	11¼"	**10C897**	*
	1745	56	1.7/0.90	1.25	F	75.5%	Rolled Steel	11¹¹⁄₁₆"	**2N865**	*
¾	1750	56	2.7/1.3	1.25	F	78.5%	Rolled Steel	11¹¹⁄₁₆"	**2N866**	*
5	1175	254/6U	14.0/7.0	1.15	F	89.5%	Rolled Steel	22⁵⁄₁₆"	**36VE90**	*†

** 60/50 Hz. † Usable at 200V at 1.0 SF.*

No. 10C901

No. 2N864

No. 40Z948

marathon™ Motors NEMA Premium

3-Phase Totally Enclosed Fan-Cooled Rigid Base Motors with Aegis® Rings

- Rotation: CW/CCW
- Thermal protection: none
- Voltage: 230/460
- Service factor: 1.15
- Insulation: Class F
- Inverter rated
- Bearings: ball
- Max. ambient temp.: 40°C
- 3-yr. warranty

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.

HP	Nameplate RPM	Frame	Full Load Amps	Nom. Efficiency	Overall Length	Mfr. Model	Item No.
1	1735	143T	3.0/1.5	85.5%	14"	143TTFN16040	**40Z948**
1½	1755	145T	4.6/2.3	87.5%	14"	145TTFN16046	**40Z949**
2	1755	145T	6.0/3.0	87.5%	14"	145TTFN16045	**40Z950**
3	1765	182T	8.0/4.0	82.5%	15⅞"	182TTFN16047	**40Z951**
5	1755	184T	12.4/6.2	81.5%	17⅞"	184TTFN16056	**40Z952**
7½	1765	213T	19.2/9.6	91.7%	19⅝"	213TTFND16326	**482P73**
10	1765	215T	26.6/13.3	91.7%	22⅝"	215TTFND16057	**482R04**
15	1775	254T	37.5/18.8	94.5%	23½"	254TTFNA16074	**40Z955**
20	1775	256T	48.0/24.1	94.5%	25¼"	256TTFNA16070	**40Z956**
25	1775	284T	62.0/31.0	95.4%	26⁵⁄₁₆"	284TTFNA16070	**40Z957**
30	1775	286T	73.0/36.5	95.4%	27¹³⁄₁₆"	286TTFNA16328	**40Z958**
40	1780	324T	95.0/47.5	95.8%	30⅜"	324TTFS16066	**40Z959**
50	1775	326T	120.0/60.0	96.2%	31⅛"	326TTFS16073	**40Z960**

Pro TIP

NEMA Premium® Motors Help Deliver Extra Cost Savings

At some point, even the most reliable electric motor will need to be replaced. Selecting the right motor can make a big difference in productivity and cost savings.

NEMA Premium® efficiency motors offer 1% to 4% better operating efficiency compared to other high-efficiency motors. Plus, many utilities and state and federal energy regulators offer several **programs for rebates, tax incentives and cost sharing** that make these premium efficiency motors even more enticing.

Read the full article, "NEMA Premium Motors Help Deliver Extra Cost Savings," at **grainger.com/nematip**

Find Motor Selection Guidelines on pg. 3, or use MotorMatch® at grainger.com/motors

Rolled Steel Frame

Cast-Iron Frame

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Service Factor	Ins. Class	Nom. Efficiency	Overall Length	Mfr. Model	Item No.
Rolled Steel Frame										
¼	3525	56	230/460	9.1/0.45	1.35	F	65.6%	10⅝"	.25360T3E56-S	**52XR10**
	1765	56	230/460	1.1/0.53	1.35	F	69.5%	9¹⁵⁄₁₆"	.25180T3E56-S	**52XR09**
	1160	56	230/460	1.1/0.54	1.35	F	67.5%	10⅝"	.25120T3E56-S	**52XR08**
⅓	3520	56	230/460	1.8/0.93	1.35	F	69.5%	10⅝"	.33360T3E56-S	**52XR13**
	1765	56	230/460	1.3/0.66	1.35	F	73.4%	10⅝"	.33180T3E56-S	**52XR12**
	1160	56	230/460	1.1/0.56	1.35	F	71.4%	10⅝"	.33120T3E56-S	**52XR11**
½	3490	56	230/460	1.6/0.81	1.25	F	73.4%	10⅝"	.50360T3E56-S	**52XR17**
	1765	56	230/460	1.7/0.86	1.25	F	78.2%	10¹¹⁄₁₆"	.50180T3E56-S	**52XR16**
	1155	56	230/460	1.8/0.93	1.25	F	75.3%	10¹¹⁄₁₆"	.50120T3E56-S	**52XR14**
¾	3485	56	230/460	2.2/1.1	1.25	F	76.8%	10¹¹⁄₁₆"	.75360T3E56-S	**52XR20**
	1760	56	230/460	2.3/1.1	1.25	F	81.1%	11⅛"	.75180T3E56-S	**52XR19**
	1160	56H	230/460	2.5/1.2	1.15	F	81.7%	12¹¹⁄₁₆"	.75120T3E56-S	**52XR18**
1	3470	56	230/460	3.0/1.5	1.25	F	77.0%	10¹¹⁄₁₆"	00136OT3E56-S	**52XR23**
	1765	56C	230/460	2.2/1.1	1.15	F	85.5%	13½"	00118ET3E56C-S	**52XR30**
	1760	143/5T	230/460	3.0/1.5	1.15	F	85.5%	11¾⅛"	00118OT3E143T-S	**33HN85**
1½	3510	143/5T	230/460	3.7/1.8	1.15	F	84.0%	11¾⅛"	00156OT3E143T-S	**33HN89**
	1760	143/5T	230/460	4.1/2.1	1.15	F	86.5%	12⁷⁄₁₆"	00158OT3E145T-S	**33HN91**
2	3510	143/5T	230/460	4.8/2.4	1.15	F	85.5%	12"	00236OT3E145T-S	**33HN99**
	1730	143/5T	208-230/460	5.4/2.7	1.15	F	86.5%	12⁷⁄₁₆"	00218OT3E145T-S	**33HN95**
3	3480	143/5T	230/460	7.2/3.6	1.15	F	85.5%	12⁷⁄₁₆"	00336OT3E145T-S	**33HP06**
	1765	182/4T	230/460	7.7/3.9	1.15	F	89.5%	15⅛"	00318OT3E182T-S	**33HP02**
5	3510	182/4T	230/460	12.2/6.1	1.15	F	86.5%	14¾"	00536OT3E182T-S	**33HP12**
	1760	182/4T	230/460	12.7/6.3	1.15	F	89.5%	16⅝"	00518OT3E184T-S	**33HP08**
7½	3500	182/4T	230/460	17.3/8.6	1.15	F	88.5%	15⅛"	00736OT3E184T-S	**33HP18**
	1770	213/5T	230/460	18.5/9.3	1.15	F	91.0%	16⅜"	00718OT3E213T-S	**33HP14**
10	3535	213/5T	230/460	24.0/12.0	1.15	F	89.5%	17"	01036OT3E213T-S	**33HP24**
	1770	213/5T	208-230/460	24.8/12.4	1.15	F	91.7%	17¾"	01018OT3E215T-S	**33HP20**
15	3535	213/5T	230/460	34.4/17.2	1.15	F	90.2%	17¾"	01536OT3E215T-S	**33HP26**
	1775	254/6T	230/460	37.2/18.6	1.15	F	93.0%	20½"	01518OT3E254T-S	**33HM95**
Cast-Iron Frame										
20	3520	254T	230/460	49.2/24.6	1.15	F	91.0%	20¹¹⁄₁₆"	02036OT3E254T-W40	**1XTX3**
	1770	256T	230/460	49.4/24.7	1.15	F	93.0%	22⅜"	02018OT3E256T-W40	**1XTX2**
25	3530	256T	230/460	59.6/29.8	1.15	F	91.7%	22⅜"	02536OT3E256T-W40	**1XTX5**
	1770	284T	230/460	59.8/29.9	1.15	F	93.6%	23⅜"	02518OT3E284T-W40	**1XTX4**
30	3540	284TS	230/460	70.4/35.2	1.15	F	92.4%	22"	03036OT3E284TS-W40	**1XTX7**
	1775	286T	230/460	70.8/35.4	1.15	F	94.1%	24⅞"	03018OT3E286T-W40	**1XTX6**
40	3535	286TS	230/460	94.2/47.1	1.15	F	93.0%	23½"	04036OT3E286TS-W40	**1XTX9**
	1775	324T	230/460	96.4/48.2	1.15	F	94.1%	26⅜"	04018OT3E324T-W40	**1XTX8**
50	3555	324TS	230/460	118.0/59.1	1.15	F	93.6%	24¹¹⁄₁₆"	05036OT3E324TS-W40	**1XTY2**
	1775	326T	230/460	122.8/61.4	1.15	F	94.5%	27¹¹⁄₁₆"	05018OT3E326T-W40	**1XTY1**
60	3555	326TS	230/460	142.0/71.0	1.15	F	93.6%	26⅜"	06036OT3E326TS-W40	**1XTY4**
	1780	364T	230/460	140.0/69.9	1.15	F	95.0%	29¾"	06018OT3E364T-W40	**1XTY3**
75	3550	364TS	230/460	163.0/81.5	1.15	F	94.1%	27⅝"	07536OT3E364TS-W40	**1XTY6**
	1780	365T	230/460	171.0/85.5	1.15	F	95.0%	29¾"	07518OT3E365T-W40	**1XTY5**
100	3550	365TS	230/460	222.0/111.0	1.15	F	94.5%	27⅝"	10036OT3E365TS-W40	**1XTZ6**
	1780	404T	230/460	230.0/115.0	1.15	F	95.4%	34⅛"	10018OT3E404T-W40	**1XTY7**
125	3550	404TS	230/460	72.0/136.0	1.15	F	94.5%	31⅛"	12536OT3E404TS-W40	**1XTZ7**
	1780	405T	230/460	284.0/143.0	1.15	F	95.4%	34⅛"	12518OT3E405T-W40	**1XTY8**
150	3555	405TS	230/460	162.0	1.15	F	94.5%	31⅛"	15036OT3G405TS	**1XTZ8**
	1785	444T	230/460	166.0	1.15	F	95.8%	39¹³⁄₁₆"	15018OT3G444T	**1XTY9**
200	3575	444TS	230/460	223.0	1.15	F	95.0%	36¹⁄₁₆"	20036OT3G444TS	**1XTZ9**
	1780	445T	230/460	223.0	1.15	F	95.8%	39¹³⁄₁₆"	20018OT3G445T	**1XTZ1**

WEG NEMA Premium

3-Phase Open Dripproof Rigid Base Motors

- Rotation: CW/CCW
- Thermal protection: none
- Voltage: 230/460 (usable at 208V)
- Insulation: Class F motors have Class B temp. rise for longer life
- Inverter rated
- Bearings: ball, regreasable on 254T frame and above
- Max. ambient temp.: 40°C
- 150 HP and up are part-winding start capable
- Warranty: 56 frame 1½ yr., 140T and above 3 yr.

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 and CSA Certified. Cast-iron frames are also CE Certified.

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

Shaft Grounding Rings

AEGIS® SGR BEARING PROTECTION RING

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.

Fits Shaft Dia.	For Use With	1-PIECE Item No.	SPLIT RING Item No.
Grounding Rings			
⅝"	Motor Frame 56	**14R028**	**41D790**
⅞"	Motor Frames 143T, 145T	**14R029**	**41D791**
1⅛"	Motor Frames 182T, 184T	**14R030**	**41D792**
1⅜"	Motor Frames 213T, 215T	**14R031**	**41D793**
1⅝"	Motor Frames 254T, 256T, 284TS, 286TS	**14R032**	**41D794**
1⅞"	Motor Frames 284T, 286T, 324TS, 326TS, 364TS, 365TS	**14R033**	**41D795**
2⅛"	Motor Frames 324T, 326T, 404TS, 405TS	**14R034**	**41D796**
2⅜"	Motor Frames 364T, 365T, 444TS, 445TS, 447TS, 449TS	**14R035**	**41D797**
2⅞"	Motor Frames 404T, 405T	**14R036**	**41D798**
3⅜"	Motor Frames 444T, 445T, 447T, 449T	**14R037**	**41D799**
Conductive Mounting Epoxy			
5 min., 0.50 oz.		**14C789**	

No. 14R028

No. 41D790

No. 35JF93

No. 6AHZ5

WEG NEMA Premium

3-Phase Totally Enclosed Fan-Cooled Rigid Base Motors

- Rotation: CW/CCW
- Thermal protection: none
- 230/460V; 125 HP and above are 460V
- Service factor: 1.15 for Rolled Steel and Cast-Iron 125 HP and up; 1.25 for Cast-Iron to 100 HP and Premium
- Insulation: Class F motors have Class B temperature rise for longer life
- Inverter rated
- Bearings: ball, regreasable on 254T frame and above
- Max. ambient temp.: 40°C
- Usable at 208V
- 125 HP and above are part-winding start
- Warranty: 56 frame 1½ yr., 140T and above 3 yr.

Corrosion-resistant finish. V-ring slingers on both endshields block debris from entering bearing cavity. Automatic pressure-compensated drain plugs. Gasketed conduit boxes are threaded for easier installation. Stainless steel, laser-etched nameplate maintains information over long life. Not for cooling tower applications. Suitable for dusty, dirty, nonhazardous applications with pumps, ventilation equipment, machine tools, and other industrial equipment. Motors meet IP55 enclosure ratings and can be operated in moist to wet environments. Cast-iron models offer 50 Hz operation on 190/380V at rated HP and 5/6 of 60 Hz rpm. Severe-duty rated. Rolled Steel Frames are UL Recognized and CSA Certified; Cast-Iron Frames are UL Recognized, CSA and CE Certified.

HP	Nameplate RPM	Frame	Full Load Amps	Nom. Efficiency	Overall Length	Item No.
Rolled Steel Frame						
¼	3475	56	1.0-0.91/0.45	57.5%	11⅛"	**35JF93**
	1765	56	1.1-1.0/0.52	70.0%	11⅛"	**35JF94**
⅓	3485	56	1.3-1.2/0.60	62.0%	11⅛"	**35JF95**
	1765	56	1.3-1.2/0.62	74.0%	11½"	**35JF96**
½	1160	56	2.1-1.9/0.99	72.0%	12⅝"	**35JF88**
¾	3475	56	2.5-2.2/1.1	72.0%	11½"	**35JF89**
	1155	56	2.9-2.6/1.3	75.5%	12¾"	**35JF91**
1	3435	56	3.0/1.5	78.5%	11⅛"	**52XR33**
Cast-Iron Frame						
1	3485	143T	2.7/1.3	84.0%	12⅜"	**39J093**
	1760	143T	2.8/1.4	85.5%	12⅜"	**6AHZ7**
	1150	145T	3.4/1.7	82.5%	13⅜"	**6AHZ6**
	875	182T	4.6/2.3	78.5%	14⅛"	**6AHZ5**
1½	3490	143T	3.8/1.9	84.0%	12⅜"	**6AHZ9**
	3485	143T	3.9/1.9	86.5%	12⅜"	**39J095**
	1760	145T	3.9/1.9	88.5%	14⅝"	**39J096**
	1755	145T	4.0/2.0	86.5%	13⅜"	**6AJA0**
	1165	182T	4.7/2.4	87.5%	14⅛"	**6AHZ8**
	860	182/4T	5.4/2.7	82.5%	15⅛"	**6AJA1**
2	3490	145T	5.1/2.6	87.5%	13⅜"	**39J097**
	3480	145T	5.0/2.5	85.5%	13⅜"	**6AJA5**
	1760	145T	5.3/2.6	88.5%	14⅝"	**39J098**
	1750	145T	5.2/2.6	86.5%	13⅜"	**6AJA4**
	1165	184T	6.4/3.2	88.5%	15⅛"	**6AJA3**
	870	213T	6.7/3.4	85.5%	18"	**6AJA2**
3	3520	182T	7.3/1.6	88.5%	14⅞"	**39J099**
	3510	182T	7.2/3.6	86.5%	14⅞"	**6AJA9**
	1765	182T	7.5/3.8	91.0%	16"	**39J101**
	1760	182T	7.7/3.8	89.5%	14⅞"	**6AJA8**
	1175	213T	8.6/4.3	90.2%	19½"	**39J102**
	1170	213T	8.8/4.4	89.5%	18"	**6AJA7**
	865	215T	9.1/4.5	85.5%	19½"	**6AJA6**
5	3505	184T	12.0/6.0	90.2%	15⅞"	**39J103**
	3500	184T	11.8/5.9	88.5%	15⅞"	**6AJC3**
	1755	184T	12.9/6.4	89.5%	15⅞"	**6AJC2**
	1755	184T	12.8/6.4	91.0%	17"	**39J104**
	1170	215T	13.6/6.8	91.0%	20⅞"	**39J105**
	1160	215T	13.7/6.8	89.5%	19½"	**6AJC1**
	880	254T	15.2/7.5	87.5%	23¼"	**6AJC0**
7½	3530	213T	17.6/8.8	91.0%	18"	**39J106**
	3520	213T	17.5/8.7	89.5%	18"	**6AJC6**
	1765	213T	18.0/9.0	91.7%	18"	**6AJC5**
	1175	254T	19.0/9.4	91.0%	23¼"	**6AJC4**
	1175	254T	18.9/9.5	92.4%	23¼"	**39J108**
10	3535	215T	23.0/11.5	91.7%	19½"	**39J109**
	3515	215T	23.2/11.6	90.2%	19½"	**6AJC9**
	1765	215T	24.0/12.0	93.0%	20⅞"	**39J110**
	1760	215T	24.8/12.4	91.7%	19½"	**6AJC8**
	1180	256T	25.4/12.7	92.4%	25"	**39J111**
	1175	256T	25.8/12.9	91.0%	25"	**6AJC7**
15	3545	254T	34.8/17.4	92.4%	23¼"	**39J112**
	3530	254T	34.4/17.2	91.0%	23¼"	**6AJD2**
	1775	254T	35.6/17.8	93.6%	23¼"	**39J113**
	1765	254/6T	36.0/18.0	92.4%	23¼"	**6AJD1**
	1180	284T	36.2/18.1	93.0%	26⅜"	**39J114**
	1175	284T	35.8/17.9	91.7%	26⅛"	**6AJD0**
20	3545	256T	46.0/23.0	93.0%	25"	**39J115**
	3520	256T	46.4/23.2	91.0%	24 15⁄16"	**6AJD5**
	1770	256T	49.4/24.7	94.1%	25"	**39J116**
	1765	256T	48.8/24.4	93.0%	24 15⁄16"	**6AJD4**
	1180	286T	48.8/24.4	93.0%	27⅛"	**39J117**
	1175	286T	8.4/24.2	91.7%	27 15⁄16"	**6AJD3**

HP	Nameplate RPM	Frame	Full Load Amps	Nom. Efficiency	Overall Length	Item No.
25	3550	284TS	57.0/28.5	93.6%	25"	**39J118**
	3535	284TS	57.0/28.5	91.7%	25 1⁄16"	**6AJD8**
	1775	284T	60.6/30.3	94.5%	26⅜"	**39J119**
	1765	284T	59.0/29.5	93.6%	26 1⁄16"	**6AJD7**
	1185	324T	61.6/30.8	94.1%	29⅝"	**39J120**
	1180	324T	60.8/30.4	93.0%	29⅝"	**6AJD6**
30	3550	286TS	67.0/33.5	93.6%	26½"	**39J121**
	3535	286TS	67.6/33.8	91.7%	26 3⁄16"	**6AJE1**
	1775	286T	71.2/35.6	94.5%	27⅞"	**39J122**
	1765	286T	70.2/35.1	93.6%	27 15⁄16"	**6AJE0**
	1185	326T	73.4/36.7	94.1%	31⅛"	**39J123**
	1180	326T	71.6/35.8	93.0%	31⅛"	**6AJD9**
40	3565	324TS	93.0/46.5	94.1%	28⅛"	**39J124**
	3555	324TS	91.6/45.8	92.4%	28⅛"	**6AJE4**
	1780	324T	97.8/48.9	95.0%	29⅝"	**39J125**
	1775	324T	96.4/48.2	94.1%	29⅝"	**6AJE3**
	1185	364/5T	97.8/48.9	95.0%	34¼"	**39J126**
	1180	364/5T	93.0/46.5	94.1%	34¼"	**6AJE2**
50	3570	326TS	114.0/57.1	94.5%	29⅝"	**39J127**
	3550	326TS	112.0/56.1	93.0%	29⅝"	**6AJE7**
	1780	326T	120.0/60.1	95.4%	31⅛"	**39J128**
	1775	326T	118.0/59.2	94.5%	31⅛"	**6AJE6**
	1185	364/5T	121.0/60.3	95.0%	34¼"	**39J129**
	1180	364/5T	115.0/57.4	94.1%	34¼"	**6AJE5**
60	3570	364/5TS	134.0/66.8	95.0%	32¼"	**39J130**
	3560	364/5TS	134.0/67.0	93.6%	32¼"	**6AJF0**
	1780	364/5T	140.0/70.2	95.8%	34¼"	**39J131**
	1775	364/5T	137.0/68.3	95.0%	34¼"	**6AJE9**
	1185	404/5T	144.0/72.2	95.4%	39¾"	**39J132**
	1180	404/5T	139.0/69.5	94.5%	39¾"	**6AJE8**
75	3570	364/5TS	165.0/82.6	95.0%	32¼"	**39J133**
	3555	364/5TS	164.0/81.9	93.6%	32¼"	**6AJF3**
	1780	364/5T	174.0/86.8	95.8%	34¼"	**39J134**
	1775	364/5T	168.0/84.1	95.4%	34¼"	**6AJF2**
	1190	404/5T	179.0/89.3	95.4%	39¾"	**39J135**
	1180	404/5T	170.0/84.9	94.5%	39¾"	**6AJF1**
100	3570	404/5TS	222.0/111.0	95.4%	36¾"	**39J136**
	3555	404/5TS	220.0/110.0	94.1%	36¾"	**6AJF6**
	1780	404/5T	232.0/116.0	96.2%	39¾"	**39J137**
	1775	404/5T	222.0/111.0	95.4%	39¾"	**6AJF5**
	1190	444/5T	248.0/124.0	95.8%	45"	**39J138**
	1185	444/5T	242.0/121.0	95.0%	45"	**6AJF4**
125	3580	444/5TS	136.0	95.8%	41¼"	**39J139**
	3570	444/5TS	134.0	95.0%	41 1⁄16"	**6AJF9**
	1785	444/5T	144.0	96.2%	45"	**39J140**
	1780	444/5T	139.0	95.4%	45"	**6AJF8**
	1190	444/5T	152.0	95.8%	45"	**39J141**
	1185	444/5T	143.0	95.0%	44 15⁄16"	**6AJF7**
150	3580	444/5TS	163.0	96.2%	41¼"	**39J142**
	3570	444/5TS	161.0	95.0%	41¼"	**6AJG1**
	1785	444/5T	170.0	96.5%	45"	**39J143**
	1780	444/5T	170.0	95.8%	44 15⁄16"	**6AJG0**
	1190	447/9T	179.0	96.2%	56⅜"	**39J144**
200	3575	445/7TS	217.0	96.2%	45"	**39J145**
	3570	445/7TS	219.0	95.4%	44 15⁄16"	**6AJG3**
	1785	447/9T	234.0	96.8%	56⅜"	**39J146**
	1780	445/7T	230.0	96.2%	48¾"	**6AJG2**
	1190	447/9T	245.0	96.2%	56⅜"	**39J147**
250	3575	445/7TS	267.0	96.5%	45"	**39J148**
	1785	447/9T	286.0	96.8%	56⅜"	**39J149**

Dayton NEMA Premium

3-Phase Face-Base and Face-Mount Motors

- Rotation: CW/CCW
- Thermal protection: none
- Voltage: 230/460V (usable at 208V)
- Insulation: Class F, except Nos. 3N841 and 3N842 are B
- Inverter rated
- Bearings: ball
- Max. ambient temp.: 40°C
- Warranty: 1 yr.

UL Recognized and CSA Certified.

Open Dripproof, Face/Base-Mount

Totally Enclosed Fan-Cooled, Face-Mount

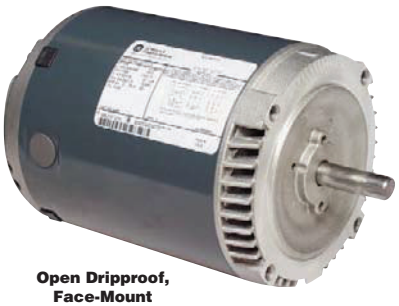
Totally Enclosed Fan-Cooled, Face/Base-Mount

HP	Nameplate RPM	Frame	Full Load Amps	Service Factor	Nom. Efficiency	Overall Length	Item No.	
Open Dripproof, Face-Mount, NEMA Premium Efficient								
1	1760	143/5TC	3.2/1.6	1.15	85.5%	11 9/16"	**36VF45**	*†
	1140	145TC	3.3/1.7	1.15	82.5%	12 1/4"	**4THU1**	*
1 1/2	3465	143/5TC	3.7/1.8	1.15	84.0%	11 9/16"	**36VF46**	*†
	1760	56C	4.3/2.1	1.15	86.5%	13 1/16"	**31LH51**	†
	1755	143/5TC	4.3/2.2	1.15	86.5%	11 9/16"	**36VF47**	*†
2	3500	143/5TC	5.0/2.5	1.15	85.5%	11 9/16"	**36VF48**	*†
	1745	143/5TC	5.8/2.9	1.15	86.5%	12"	**36VF49**	*†
	1740	56C	5.4/2.7	1.15	86.5%	13 1/16"	**31LH52**	†
3	3475	143/5TC	7.3/3.6	1.15	85.5%	12"	**36VF50**	*†
	1750	182TC	8.3/4.2	1.15	89.5%	16 1/4"	**11W342**	*
Open Dripproof, Face-Mount, Premium Efficient								
1/4	3520	56C	0.80/0.40	1.35	72.0%	10 5/16"	**31LH36**	†
	1765	56C	1.1/0.53	1.35	69.5%	9 15/16"	**31LH37**	†
	1160	56C	1.1/0.55	1.35	67.5%	10 5/16"	**31LH38**	†
1/3	3510	56C	1.1/0.60	1.35	72.0%	10 5/16"	**31LH39**	†
	1765	56C	1.3/0.68	1.35	73.4%	10 5/16"	**31LH40**	†
	1160	56C	1.5/0.76	1.35	71.4%	10 5/16"	**31LH41**	†
1/2	3490	56C	1.6/0.81	1.25	73.4%	10 5/16"	**31LH42**	†
	1765	56C	1.7/0.86	1.25	78.2%	10 1/16"	**31LH43**	†
	1155	56C	2.0/0.99	1.25	72.0%	10 1/16"	**31LH44**	†
3/4	3485	56C	2.3/1.1	1.25	76.8%	10 1/16"	**31LH45**	†
	1760	56C	2.3/1.2	1.25	81.1%	11 1/8"	**31LH46**	†
	1150	56C	2.6/1.3	1.15	81.7%	11 1/2"	**31LH47**	†
1	3470	56C	3.0/1.5	1.25	77.0%	10 1/16"	**31LH48**	†
	1760	56C	3.1/1.6	1.15	83.5%	11 1/2"	**31LH49**	†
1 1/2	3510	56C	3.7/1.9	1.15	84.0%	10 1/16"	**31LH50**	†
Open Dripproof, Face/Base-Mount, NEMA Premium Efficient								
1	3520	143-5TC/56HCZ	2.9/1.5	1.15	80.0%	13 1/4"	**31TU22**	†
	1760	143/5TC	3.0/1.5	1.15	85.5%	11 9/16"	**36VF51**	
	1755	143-5TC/56HCZ	3.1/1.5	1.15	85.5%	13 1/4"	**31TU23**	†
	1165	143-5TC/56HCZ	4.0/2.0	1.15	82.5%	13 1/4"	**31TU24**	†
1 1/2	3525	143-5TC/56HCZ	3.8/1.9	1.15	85.5%	13 1/4"	**31TU25**	†
	1760	56HC	4.3/2.1	1.15	86.5%	13 1/16"	**31LH68**	†
	1760	143/5TC	4.1/2.0	1.15	86.5%	12 3/8"	**36VF52**	
	1750	143-5TC/56HCZ	4.2/2.1	1.15	86.5%	13 1/4"	**31TU26**	†
2	3515	143-5TC/56HCZ	5.0/2.5	1.15	85.5%	13 1/4"	**31TU27**	†
	3510	56HC	4.8/2.4	1.15	85.5%	12 11/16"	**31LH69**	†
	3450	143/5TC	5.0/2.5	1.15	86.5%	12"	**36VF12**	
	1745	143-5TC/56HCZ	5.6/2.8	1.15	86.5%	13 1/4"	**31TU28**	†
	1740	56HC	5.4/2.7	1.15	86.5%	13 1/16"	**31LH71**	†
	1740	143/5TC	5.3/2.6	1.15	86.5%	12 3/8"	**36VF53**	
3	3490	143-5TC/56HCZ	7.4/3.7	1.15	85.5%	13 1/4"	**31TU29**	†
	3450	143/5TC	7.1/3.5	1.15	85.5%	12 3/8"	**36VF13**	
	1750	143-5TC/56HCZ	7.6/3.8	1.15	89.5%	15 1/4"	**31TU30**	†
Open Dripproof, Face/Base-Mount, Premium Efficient								
1/4	1720	56C	1.0/0.50	1.35	69.5%	9 15/16"	**31LH54**	†
1/3	3510	56C	1.1/0.60	1.35	72.0%	10 5/16"	**31LH56**	†
	1765	56C	1.3/0.68	1.35	73.4%	10 5/16"	**31LH57**	†
	1140	56C	1.5/0.70	1.35	71.4%	10 5/16"	**31LH58**	†
1/2	3490	56C	1.6/0.81	1.25	73.4%	10 5/16"	**31LH59**	†
	1765	56C	1.7/0.86	1.25	78.2%	10 1/16"	**31LH60**	†
	1155	56C	2.0/0.99	1.25	75.3%	10 1/16"	**31LH61**	†
3/4	3485	56C	2.3/1.1	1.25	76.8%	10 1/16"	**31LH62**	†
	1760	56C	2.3/1.2	1.25	81.1%	11 1/8"	**31LH63**	†
	1160	56HC	2.5/1.3	1.15	81.7%	11 1/2"	**31LH64**	†
1	3470	56C	3.0/1.5	1.25	77.0%	10 1/16"	**31LH65**	†
	1760	56HC	3.1/1.6	1.15	83.5%	11 1/2"	**31LH66**	†
1 1/2	3510	56C	3.7/1.9	1.15	84.0%	10 1/16"	**31LH67**	†
2	3510	56HC	4.8/2.4	1.15	85.5%	12 1/16"	**31LH70**	†
Totally Enclosed Fan-Cooled, Face-Mount, NEMA Premium Efficient								
1	3520	56C	2.8/1.4	1.15	77.5%	12 5/16"	**36VF61**	*†
	1765	56C	2.94/1.47	1.15	85.5%	13 57/64"	**48ZK02**	
	1760	143/5TC	3.1/1.5	1.15	85.5%	13 3/8"	**36VF63**	*†
	1145	56C	3.3/1.6	1.15	82.5%	13 1/2"	**36VF64**	*†
	1140	145TC	3.3/1.7	1.15	82.5%	13 7/8"	**4THX5**	*
1 1/2	3480	143/5TC	3.8/1.9	1.15	84.0%	13 3/8"	**36VF66**	*†
	3470	56C	4.0/2.0	1.15	84.0%	12 5/16"	**36VF65**	*†
	1760	143/5TC	4.3/2.1	1.15	86.5%	13 3/8"	**36VF68**	*†
	1750	56C	4.4/2.2	1.15	86.0%	13 1/8"	**36VF67**	*†
	1170	182/4TC	4.44/2.22	1.15	87.5%	16 21/64"	**48ZK04**	
2	3500	143/5TC	5.1/2.5	1.15	85.5%	13 3/8"	**36VF70**	*†
	3480	56C	5.2/2.6	1.15	85.5%	13 1/8"	**36VF69**	*†
	1755	143/5TC	5.9/2.9	1.15	86.5%	13 13/16"	**36VF72**	*†
	1745	56C	5.7/2.8	1.15	86.5%	13 1/2"	**36VF71**	*†
3	3480	143/5TC	7.1/3.5	1.15	86.5%	14 3/8"	**36VF73**	*†
	1765	182/4TC	7.6/3.8	1.15	89.5%	17 29/32"	**48ZK01**	

HP	Nameplate RPM	Frame	Full Load Amps	Service Factor	Nom. Efficiency	Overall Length	Item No.	
Totally Enclosed Fan-Cooled, Face-Mount, Energy Efficient								
1/4	3460	56C	0.76/0.38	1.15	74.0%	11 5/16"	**36VF14**	
1/3	3500	56C	1.2-1.1/0.55	1.15	69.5%	11 9/16"	**36VF56**	
3/4	3520	56C	2.2/1.1	1.15	76.8%	11 5/16"	**36VF16**	
Totally Enclosed Fan-Cooled, Face-Mount, Standard Efficient								
1/4	1725	42CZ	1.2/0.60	1.15	66.0%	9 3/16"	**3N841**	*
	1160	56C	1.0/0.55	1.15	68.0%	11 9/16"	**36VF55**	
	1765	56C	1.2/0.62	1.15	74.0%	11 9/16"	**36VF57**	
1/3	1725/1425	42CZ	1.5/0.75	1.15	70.7%	10 7/16"	**3N842**	*
	1140	56C	1.5/0.70	1.15	70.0%	12 1/8"	**4THW4**	*
1/2	1760	56C	1.7/0.86	1.15	77.0%	11 9/16"	**36VF58**	
	1160	56C	1.9/0.99	1.15	72.0%	12 5/16"	**36VF59**	
3/4	1755	56C	2.4/1.2	1.15	78.5%	11 5/16"	**36VF60**	
	1135	56C	3.0/1.5	1.15	75.5%	12 7/8"	**4THW8**	*
Totally Enclosed Fan-Cooled, Face/Base-Mount, NEMA Premium Efficient								
1	3525	143-5TC/56HCZ	2.7/1.4	1.15	81.5%	13 1/8"	**31TU31**	†
	3520	56C	2.8/1.4	1.15	77.5%	12 5/16"	**36VF81**	*†
	1765	56HC	2.94/1.47	1.15	85.5%	13 57/64"	**48ZK03**	
	1765	143/5TC	2.9/1.4	1.15	85.5%	13 3/8"	**36VF83**	
	1755	143-5TC/56HCZ	3.0/1.5	1.25	85.5%	13 1/8"	**31TU32**	†
	1155	143-5TC/56HCZ	3.5/1.8	1.25	82.5%	13 1/8"	**31TU33**	†
	1145	56C	3.3/1.6	1.15	82.5%	13 1/2"	**36VF84**	*†
	1145	143/5TC	3.1/1.5	1.15	82.5%	13 3/8"	**36VF85**	
1 1/2	3510	143/5TC	3.8/1.9	1.15	85.5%	13 3/16"	**36VF87**	
	3505	143-5TC/56HCZ	3.9/1.9	1.25	84.0%	13 1/8"	**31TU34**	†
	3470	56C	3.8/1.9	1.15	84.0%	12 5/16"	**36VF86**	*†
	1755	143-5TC/56HCZ	4.3/2.1	1.25	86.5%	13 1/8"	**31TU35**	†
	1750	56C	4.4/2.2	1.15	86.5%	13 1/8"	**36VF88**	*†
	1750	143/5TC	4.0/2.0	1.15	86.5%	13 3/8"	**36VF89**	
	1170	182TC	6.3/3.1	1.15	87.5%	16 3/16"	**11W369**	*
2	3505	143/5TC	5.1/2.6	1.15	86.5%	13 7/8"	**4TJA8**	*
	3505	143-5TC/56HCZ	4.9/2.5	1.25	86.5%	13 1/8"	**31TU36**	†
	3480	56HC	5.2/2.6	1.15	85.5%	13 1/8"	**36VF90**	*†
	1750	143-5TC/56HCZ	5.7/2.9	1.25	86.5%	13 1/8"	**31TU37**	†
	1745	56HC	5.7/2.8	1.15	86.5%	13 1/2"	**36VF21**	*†
	1745	143/5TC	5.4/2.7	1.15	86.5%	14"	**36VF20**	
3	3490	143/5TC	7.1/3.5	1.15	86.5%	15 3/16"	**36VF91**	
	3490	143-5TC/56HCZ	7.2/3.6	1.25	86.5%	13 1/8"	**31TU38**	†
	1765	182/4TC	7.6/3.8	1.15	89.5%	17 15/16"	**36VF22**	
Totally Enclosed Fan-Cooled, Face/Base-Mount, Energy Efficient								
1/4	3460	56C	0.76/0.38	1.15	74.0%	11 5/16"	**36VF17**	
1/2	3435	56C	1.57/0.78	1.15	72.5%	11 9/16"	**36VF76**	
3/4	3520	56C	2.2/1.1	1.15	76.8%	11 5/16"	**36VF79**	
	1135	56C	3.0/1.5	1.15	75.5%	12 13/16"	**4THZ5**	*
Totally Enclosed Fan-Cooled, Face/Base-Mount, Standard Efficient								
1/4	1720	56C	1.0/0.50	1.15	68.0%	10 9/16"	**11W365**	*
	1160	56C	1.0/0.55	1.15	68.0%	11 1/8"	**36VF18**	
1/3	1765	56C	1.2/0.62	1.15	74.0%	11 9/16"	**36VF75**	
	1140	56C	1.5/0.70	1.15	68.0%	12 1/8"	**11W368**	*
1/2	1760	56C	1.7/0.86	1.15	77.0%	11 9/16"	**36VF77**	
	1160	56C	1.9/0.99	1.15	72.0%	12 5/16"	**36VF78**	
3/4	1720	56C	2.4/1.2	1.15	78.5%	11 5/16"	**36VF80**	
Totally Enclosed Nonventilated, Face-Mount, Premium Efficient								
1/2	3530	56C	1.4/0.70	1.15	73.4%	12 5/16"	**36VF15**	
Totally Enclosed Nonventilated, Face/Base-Mount, Standard Efficient								
1/4	1780	56C	1.40/0.70	1.15	68.5%	10 1/16"	**36VF54**	

** 60/50 Hz. † Usable at 200V at 1.0 SF.*

Find Motor Selection Guidelines on pg. 3, or use MotorMatch® at grainger.com/motors



Open Dripproof, Face-Mount

TEFC, Face-Mount

TEFC, Face/Base-Mount

TENV, Face-Mount

marathon™ Motors

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

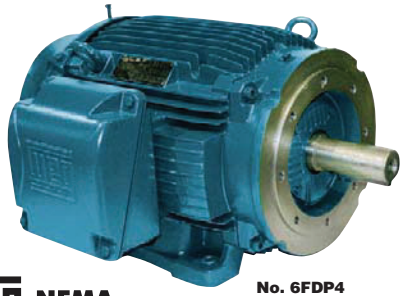
- Rotation: CW/CCW
- Thermal protection: none
- Frame material: steel
- Bearings: ball
- Max. ambient temp.: 40°C
- Usable at 208V

Use in pumps, speed reducers, machine tools, and other shaft-end-mounted industrial equipment applications. Open dripproof 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	Frame	Voltage	Full Load Amps	Service Factor	Ins. Class	Nom. Efficiency	Overall Length	Item No.	
Open Dripproof, Face-Mount										
⅓	3450	56C	230/460	1.8/0.90	1.75	B	61.0%	9⅞"	**3N817**	
½	3450	56C	230/460	2.0/1.0	1.60	B	69.8%	10⅝"	**6MA11**	
¾	3450	56C	230/460	2.6/1.3	1.50	B	74.0%	10 11⁄16"	**3N819**	
1	3450	56C	230/460	3.2/1.6	1.40	B	74.0%	11⅝"	**3N820**	
1½	3450	56C	230/460	4.8/2.4	1.30	B	80.0%	10¾"	**3N821**	
2	3450	56C	230/460	6.0/3.0	1.20	B	80.0%	11 5⁄16"	**3N822**	
	1180	184TC	230/460	7.1/3.6	1.15	B	88.5%	15¼"	**52XR55**	*#
3	3510	145TC	230/460	7.6/3.8	1.15	B	86.5%	13"	**52XR47**	*#
	3450	56C	230/460	8.2/4.1	1.15	B	84.0%	12⅝"	**3N823**	
	1760	182TC	230/460	8.0/4.0	1.15	F	87.5%	13¾"	**52XR52**	*#
Open Dripproof, Face/Base-Mount										
1	1760	143TC	230/460	3.0/1.5	1.15	F	85.5%	13½"	**53UF29**	*#
	1160	145TC	230/460	3.8/1.9	1.15	B	86.5%	14"	**53UF27**	*#
2	3510	145TC	230/460	5.6/2.8	1.15	B	86.5%	11"	**53UF36**	*#
	1750	145TC	230/460	6.0/3.0	1.15	B	86.5%	14"	**53UF35**	*#
Totally Enclosed Fan-Cooled, Rigid Base-Mount										
¾	3450	56C	208-230/460	3.0-3.2/1.6	1.15	B	85.5%	11 13⁄16"	**41W522**	
Totally Enclosed Fan-Cooled, Face-Mount										
⅓	1725	56C	208-230/460	1.5-1.6/0.80	1.00	B	68.8%	10 9⁄16"	**3N686**	
½, ⅓	3600	56C	208-230/460	2.1-2.2/1.1/2.0/1.0	1.15	B	66.0%	11⅞"	**30E449**	
½	1725	56C	230/460	2.2/1.1	1.25	B	75.5%	10 15⁄16"	**3N687**	*
¾	1725	56C	230/460	2.8/1.4	1.25	B	78.5%	11⅜"	**3N688**	
1	1755	143TC	230/460	3.3/1.7	1.15	F	85.5%	16½"	**53UF03**	#
1, ¾	1725	56C	230/460	3.3/1.6	1.25	B	85.5%	14⅛"	**53UF25**	*#
1½	3450	56C	230/460	4.0/2.0	1.30	B	78.5%	13 5⁄16"	**53DE53**	*#
	1725	56C	230/460	4.6/2.3	1.15	B	86.5%	14⅜"	**53DE17**	*#
2	3450	56C	230/460	5.0/2.5	1.25	F	85.5%	14 5⁄16"	**53DE74**	*#
Totally Enclosed Fan-Cooled, Face/Base-Mount										
¼	1140	56C	208-230/460	2.0/1.0	1.15	F	86.5%	11¼"	**30E461**	*†
⅓	1725	56C	208-230/460	1.6/0.80	1.35	B	69.2%	11"	**6N055**	*
	1140	56C	208-230/460	2.2/1.1	1.15	F	86.5%	11¼"	**30E462**	*†
½	3450	56C	208-230/460	2.2/1.1	1.25	B	85.5%	11¾"	**30E441**	†
	3450	56C	208-230/460	2.0-2.2/1.1	1.15	F	86.5%	11 13⁄16"	**41W478**	
	1725	56C	230/460	2.2/1.1	1.25	B	74.7%	11"	**6N057**	*
	1140	56C	208-230/460	2.7/1.35	1.15	F	86.5%	11⅞"	**30E463**	*†
¾	3450	56C	230/460	3.2/1.6	1.15	F	86.5%	11⅞"	**30E457**	*†
	1725	56C	230/460	3.0/1.5	1.25	B	70.8%	11 1⁄16"	**5N115**	*
	1140	56C	230/460	3.2/1.6	1.15	F	86.5%	12¼"	**30E464**	*†
1, ¾	1725	56C	230/460	3.3/1.6	1.25	B	86.5%	14⅛"	**53DE43**	*#
1½	3450	56C	230/460	4.0/2.0	1.15	F	85.5%	13 5⁄16"	**53DE13**	*#
2	3450	56C	230/460	5.0/2.5	1.15	B	86.5%	14 5⁄16"	**53UF13**	*#
	3450	56C	230/460	5.0/2.5	1.15	F	85.5%	14 5⁄16"	**53DE14**	*#
	1725	56HC	230/460	6.0/3.0	1.15	B	85.5%	15⅛"	**53UF33**	*#
3	3515	182TC	230/460	7.6/3.8	1.15	F	87.5%	14½"	**30E454**	*†#
	1770	182TC	230/460	7.8/3.9	1.15	F	88.5%	14½"	**30E455**	*†#
Totally Enclosed Nonventilated, Face-Mount										
¼	1725	56C	208-230/460	1.2/0.60	1.35	B	67.4%	9½"	**5N114**	
Totally Enclosed Nonventilated, Face/Base-Mount										
⅓	3450	56C	208-230/460	1.8/0.90	1.15	F	85.5%	10 7⁄16"	**30E456**	*†

** 60/50 Hz. † Removable base. # NEMA Premium® energy-efficient motors.*

HP	Nameplate RPM	Frame	Full Load Amps	Service Factor	Nom. Efficiency	Overall Length	Mfr. Model	Item No.
Cast-Iron Frame, Open Dripproof								
20	1770	256TC	49.4/24.7	1.15	93.0%	22⅜"	02018OT3E256TC	**12N922**
25	1770	284TC	59.8/29.9	1.15	93.6%	23⅜"	02518OT3E284TC	**12N924**
30	1770	286TC	35.4/15.3	1.15	94.1%	24⅞"	03018OT3E286TC	**12N926**
Rolled Steel Frame, Open Dripproof								
1½	1760	143/5TC	4.1/2.1	1.15	86.5%	12⁷⁄₁₆"	00158OT3E145TC-S	**33HN92**
5	1760	182/4TC	12.7/6.3	1.15	89.5%	16⅜"	00518OT3E184TC-S	**33HP09**
7½	1770	213/5TC	18.5/9.3	1.15	91.0%	16⅜"	00718OT3E213TC-S	**33HP15**
10	1770	213/5TC	24.8/12.4	1.15	91.7%	17¾"	01018OT3E215TC-S	**33HP21**
15	1775	254/6TC	37.2/18.6	1.15	93.0%	20½"	01518OT3E254TC-S	**33HN04**
Cast-Iron Frame, Totally Enclosed Fan-Cooled								
1	3495	143TC	2.8/1.4	1.25	78.5%	12⅜"	00136ET3E143TC-W22	**6FDP4**
	1760	143TC	2.8/1.4	1.25	85.5%	12⅜"	00118ET3E143TC-W22	**6PTP7**
1½	3490	143TC	3.8/1.9	1.25	84.0%	12⅜"	00156ET3E143TC-W22	**6FDT0**
	1755	145TC	4.0/2.0	1.25	86.5%	13⅜"	00158ET3E145TC-W22	**6FDP5**
2	3480	145TC	5.0/2.5	1.25	85.5%	13⅜"	00236ET3E145TC-W22	**6FDP7**
	1750	145TC	5.2/2.6	1.25	86.5%	13⅜"	00218ET3E145TC-W22	**6FDP6**
3	3510	182TC	7.2/3.6	1.25	86.5%	14⅞"	00336ET3E182TC-W22	**6FDP9**
	1760	182TC	7.7/3.8	1.25	89.5%	14⅞"	00318ET3E182TC-W22	**6FDP8**
5	3500	184TC	11.8/5.9	1.25	88.5%	15⅞"	00536ET3E184TC-W22	**6FDR1**
	1755	184TC	12.9/6.4	1.25	89.5%	15⅞"	00518ET3E184TC-W22	**6FDR0**
7½	3520	213TC	17.5/8.7	1.25	89.5%	18"	00736ET3E213TC-W22	**6FDR3**
	1765	213TC	18.0/9.0	1.25	91.7%	18"	00718ET3E213TC-W22	**6FDR2**
10	3515	215TC	23.2/11.6	1.25	90.2%	19½"	01036ET3E215TC-W22	**6FDR5**
	1760	215TC	24.8/12.4	1.25	91.7%	19½"	01018ET3E215TC-W22	**6FDR4**
15	3530	254TC	34.4/17.2	1.25	91.0%	23¼"	01536ET3E254TC-W22	**6FDR7**
	1765	254/6TC	36.0/18.0	1.25	92.4%	23¼"	01518ET3E254TC-W22	**6FDR6**
20	3520	256TC	46.4/23.2	1.25	91.0%	25"	02036ET3E256TC-W22	**6FDR9**
	1765	256TC	48.2/24.1	1.25	93.0%	25"	02018ET3E256TC-W22	**6FDR8**
25	3535	284TSC	57.0/28.5	1.25	91.7%	25⅛"	02536ET3E284TSC-W22	**6FDT1**
	1765	284TC	59.0/29.5	1.25	93.6%	26⅛"	02518ET3E284TC-W22	**6FDT2**
30	3535	286TSC	67.6/33.8	1.25	91.7%	26⅜"	03036ET3E286TSC-W22	**6FDT3**
	1765	286TC	70.2/35.1	1.25	93.6%	27¹⁵⁄₁₆"	03018ET3E286TC-W22	**6FDT4**
40	3555	324TSC	91.6/45.8	1.25	92.4%	28⅛"	04036ET3E324TSC-W22	**6FDT5**
	1775	324TC	96.4/48.2	1.25	94.1%	29⅜"	04018ET3E324TC-W22	**6FDT6**
50	3550	326TSC	112.0/56.1	1.25	93.0%	29⅜"	05036ET3E326TSC-W22	**6FDT7**
	1775	326TC	118.0/59.2	1.25	94.5%	31⅛"	05018ET3E326TC-W22	**6FDT8**
60	3560	364/5TSC	134.0/67.0	1.25	93.6%	32¼"	06036ET3E364TSC-W22	**6FDT9**
	1775	364/5TC	137.0/68.3	1.25	95.0%	34¼"	06018ET3E364TC-W22	**6FDU0**
75	3555	364/5TSC	164.0/81.9	1.25	93.6%	32¼"	07536ET3E365TSC-W22	**6FDU1**
	1775	364/5TC	168.0/84.1	1.25	95.4%	34¼"	07518ET3E365TC-W22	**6FDU2**



No. 6FDP4

WEG NEMA Premium

3-Phase Face/Base-Mount Motors

- Rotation: CW/CCW
- Thermal protection: none
- Voltage: 230/460 (usable at 208V)
- Insulation: Class F motors have Class B temperature rise for longer life
- Inverter rated
- Bearings: ball, regreasable 254TC frame and above
- Max. ambient temp.: 40°C

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. All models meet NEMA Premium® Standards and are UL Recognized and CSA Certified.

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

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

LEESON

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

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. V-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.

B3 Base Mount

B3/B5 Base/ D-Flange Mount

B3/B14 Base/ C-Face Mount

HP	kW	Nom. Efficiency	Nameplate RPM	Full Load Amps	B3 BASE MOUNT Frame	Mfr. Model	Item No.	B3/B5 BASE/D-FLANGE MOUNT Frame	Mfr. Model	Item No.	B3/B14 BASE/C-FACE MOUNT Frame	Mfr. Model	Item No.
Cast Aluminum Frame													
	0.19	72.0%	3355	1.0/0.50	—	—	—	—	—	—	D63C	192017.00	**3GVP4**
¼	0.19	68.0%	1655	1.2/0.60	D63	192011.00	**2NB50**	—	—	—	D63C	192018.00	**2NE16**
	0.19	64.0%	1105	1.2/0.60	D71	192012.00	**3GVK3**	—	—	—	D71C	192019.00	**3GVP5**
	0.25	72.0%	3355	1.2/0.60	D63	192020.00	**3GVK4**	—	—	—	D63C	192027.00	**2NE18**
⅓	0.25	68.0%	1705	1.4/0.70	D71	192021.00	**3GVK5**	D71D	192025.00	**3GVN3**	D71C	192028.00	**2NE20**
	0.25	70.0%	1135	1.4/0.70	D80	192022.00	**3GVK6**	D80D	192026.00	**3GVN4**	D80C	192029.00	**3GVP6**
	0.37	74.0%	3435	1.6/0.80	D71	192030.00	**3GVK7**	D71D	192034.00	**3GVN5**	D71C	192037.00	**3GVP7**
½	0.37	74.0%	1650	2.0/1.0	D71	192031.00	**2NB52**	D71D	192035.00	**2NB76**	D71C	192038.00	**2NE22**
	0.37	72.0%	1125	2.0/1.0	D80	192032.00	**3GVK8**	—	—	—	D80C	192039.00	**3GVP8**
	0.56	74.0%	3455	2.4/1.2	D71	192040.00	**3GVK9**	D71D	192044.00	**2NB78**	D71C	192047.00	**3GVP9**
¾	0.56	74.0%	1715	2.4/1.2	D80	192041.00	**3GVL1**	D80D	192045.00	**3GVN6**	D80C	192048.00	**3GVR1**
	0.56	72.0%	1125	2.8/1.4	D80	192042.00	**3GVL2**	D80D	192046.00	**3GVN7**	D80C	192049.00	**3GVR2**
1	0.75	75.5%	3475	3.0/1.5	D80	192264.00	**3GVL3** *	D80D	192265.00	**3GVN8** *	D80C	192266.00	**2NE24** *
	0.75	82.5%	1150	3.4/1.7	D90S	192200.00	**5PGH2** *	D90SD	192201.00	**5PGH3** *	—	—	—
1½	1.12	86.5%	1725	4.0/2.0	D90S	192202.00	**5PGH4** *	D90SD	192203.00	**5PGH5** *	D90SC	192204.00	**5PGH6** *
2	1.49	85.5%	3455	5.0/2.5	D90S	192208.00	**11N103** *	D90SD	192210.00	**11N104** *	D90SC	192213.00	**11N105** *
	1.49	86.5%	1725	5.4/2.7	D90L	192205.00	**5PGH7** *	D90LD	192206.00	**5PGH8** *	D90LC	192207.00	**5PGH9** *
3	2.24	87.5%	3425	7.0/3.5	D90L	192209.00	**11N106** *	D90LD	192211.00	**11N107** *	D90LC	192214.00	**11N108** *
Cast-Iron Frame													
3	2.24	89.5%	1770	8.0/4.0	DF100L	193301.60	**5PGJ0** *	DF100LD	193334.60	**5PGJ1** *	DF100LC	193359.60	**5PGJ2** *
4	3.0	88.5%	3520	9.2/4.6	DF100L	193303.60	**5PGJ3** *	—	—	—	—	—	—
	3.0	89.5%	1760	10.0/5.0	—	—	—	DF100LD	193337.60	**5PGJ4** *	—	—	—
	4.10	88.6%	3510	12.6/6.3	DF112M	193306.60	**5PGJ5** *	—	—	—	—	—	—
5½	4.10	88.5%	3510	12.6/6.3	—	—	—	DF112MD	193339.60	**5PGJ7** *	—	—	—
	4.10	89.5%	1755	14.0/7.0	DF112M	193307.60	**5PGJ6** *	DF112MD	193340.60	**5PGJ8** *	—	—	—
7½	5.60	91.7%	1770	18.4/9.2	DF132S	193310.60	**5PGJ9** *	—	—	—	—	—	—
10	7.50	90.2%	3535	24.0/12.0	DF132S	193312.60	**5PGK0** *	—	—	—	—	—	—
	7.50	91.7%	1765	24.0/12.0	DF132M	193313.60	**5PGK1** *	DF132MD	193346.60	**5PGK2** *	—	—	—
15	11.2	92.4%	1765	36.0/18.0	DF160M	193316.60	**5PGK3** *	DF160MD	193349.60	**5PGK4** *	—	—	—

**** NEMA Premium® energy-efficient motors.***

Open Dripproof, JM Threaded

WEG NEMA Premium™

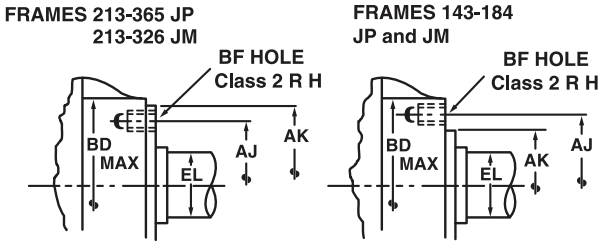
3-Phase NEMA Premium® Energy-Efficient Close-Coupled Pump Motors

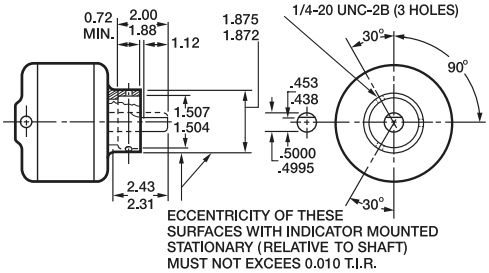
- Rotation: CW/CCW
- Thermal protection: none
- Voltage: 208-230/460V
- Service factor: 1.25 Open enclosure, 1.15 for Totally Enclosed models
- Insulation: Class F, with B temperature rise for longer life
- Inverter rated
- Mounting: face/base
- Max. ambient temp.: 40°C

Close-coupled motors meet or exceed NEMA Premium requirement for energy efficiency. For additional ratings, see Grainger.com®. For use in water pumping, process, transfer, and circulating pumps. TEFC motors are designed for severe-duty applications. All motors are UL Recognized and CSA Certified.

HP	Nameplate RPM	Frame	Full Load Amps	Nom. Efficiency	Item No.
Open Dripproof, JP Threaded, Rolled Steel Frame					
1	1760	143/5JP	3.3-3.0/1.5	85.5%	**33HN17**
1½	3495	143/5JP	4.0-3.71.8	84.0%	**33HN21**
	1755	143/5JP	4.5-4.1/2.0	86.5%	**33HN26**
2	3510	143/5JP	5.3-4.8/2.4	85.5%	**33HN35**
	1745	143/5JP	5.9-5.3/2.6	86.5%	**33HN31**
3	3475	143/5JP	7.9-7.1/3.5	85.5%	**33HN45**
	3475	182/4JP	8.5-7.7/3.8	89.5%	**33HN40**
5	3510	182/4JP	13.5-12.2/6.1	86.5%	**33HN55**
	1750	182/4JP	14.0-12.7/6.3	89.5%	**33HN50**
7½	3500	182/4JP	19.2-17.3/8.6	88.5%	**33HN66**
	1760	213/5JP	20.5-18.5/9.2	91.0%	**33HN61**
10	3530	213/5JP	26.5-24.0/12.0	89.5%	**33HN78**
	1760	213/5JP	27.4-24.8/12.4	91.7%	**33HN72**
15	3525	213/5JP	38.0-34.4/17.2	90.2%	**33HN84**
Open Dripproof, JP Threaded, Cast-Iron Frame					
15	1775	254JP	33.5-37.2/18.6	93.0%	**4EUN5**
20	3520	254JP	44.3-49.2/24.6	91.0%	**4EUN6**
	1775	256JP	45.5-50.6/25.3	93.0%	**4EUN7**
25	3530	256JP	53.6-59.6/29.8	91.7%	**4EUN8**
	1770	284JP	53.8-59.8/29.9	93.6%	**4EUN9**
30	3530	284JP	63.4-70.4/35.2	92.4%	**4EUP1**
	1770	286JP	63.7-70.8/35.4	94.1%	**4EUP2**
40	3535	286JP	84.8-94.2/47.1	93.0%	**4EUP3**
	1775	324JP	91.3-96.4/48.2	94.1%	**4EUP4**
50	3555	324JP	106.2-118.2/59.1	93.6%	**4EUP5**
	1775	326JP	110.5-122.8/61.4	94.5%	**4EUP7**
60	3555	326JP	127.8-142.0/71.0	93.6%	**4EUP8**
	1780	364JP	126.0-139.8/69.9	95.0%	**4EUR1**
75	3550	364JP	146.7-163.0/81.5	94.1%	**4EUR3**
	1780	365JP	153.9-171.0/85.5	95.0%	**4EUR5**
100	3550	365JP	199.8-222.0/111.0	94.5%	**4EUR7**
	1780	404JP	207.0-230.0/115.0	95.4%	**4EUR9**
Open Dripproof, JM Threaded, Rolled Steel Frame					
1	1760	143/5JM	3.3-3.0/1.5	85.5%	**33HN16**
1½	3495	143/5JM	4.0-3.71.8	84.0%	**33HN20**
	1755	143/5JM	4.5-4.1/2.0	86.5%	**33HN25**
3	3475	143/5JM	7.9-7.1/3.5	85.5%	**33HN44**
	1765	182/4JM	8.5-7.7/3.8	89.5%	**33HN39**
5	3510	182/4JM	13.5-12.2/6.1	86.5%	**33HN54**
	1750	182/4JM	14.0-12.7/6.3	89.5%	**33HN49**
7½	3500	182/4JM	19.2-17.3/8.6	88.5%	**33HN65**
10	3530	213/5JM	26.5-24.0/12.0	89.5%	**33HN77**
15	3525	213/5JM	38.0-34.4/17.2	90.2%	**33HN83**
20	3520	254/6JM	52.6-47.6/23.8	91.0%	**33HT95**
25	3530	254/6JM	64.4-58.2/29.1	91.7%	**33HU02**
Open Dripproof, JM Threaded, Cast-Iron Frame					
15	1775	254JM	41.1-37.2/18.6	93.0%	**4EUU7**
20	1775	256JM	55.3-50.0/25.0	93.0%	**4EUU9**
25	1770	284JM	66.1-59.8/29.9	93.6%	**4EUV2**
30	3530	284JM	76.7-70.4/35.2	92.4%	**4EUV3**
	1770	286JM	78.3-70.8/35.4	94.1%	**4EUV4**
40	1775	324JM	107.0-96.4/48.2	94.1%	**4EUV6**
50	3555	324JM	131.0-118.0/59.1	93.6%	**4EUV7**
	1775	326JM	132.0-122.8/61.4	94.5%	**4EUV9**
60	3555	326JM	157.0-142.0/71.0	93.6%	**4EUW1**
	1780	364JM	155.0-140.0/69.9	95.0%	**4EUW3**
75	3550	364JM	180.0-163.0/81.5	94.1%	**4EUW5**
	1780	365JM	189.0-171.0/85.5	95.0%	**4EUW7**

HP	Nameplate RPM	Frame	Full Load Amps	Nom. Efficiency	Item No.
Totally Enclosed Fan-Cooled, JP Threaded, Cast-Iron Frame					
1	1765	143JP	3.1-2.8/1.4	85.5%	**6FJX9**
1½	3495	143JP	4.2-3.8/1.9	84.0%	**6FJY0**
	1760	145JP	4.3-4.0/2.0	86.5%	**6FJY1**
2	3490	145JP	5.6-4.0/2.5	85.5%	**6FJY2**
	1755	145JP	5.7-5.2/2.6	86.5%	**6FJY3**
3	3510	182JP	8.1-7.2/3.6	86.5%	**6FJY4**
	1760	182JP	8.5-7.7/3.8	89.5%	**6FJY5**
	3510	182JP	13.1-11.8/5.9	88.5%	**6FJY6**
5	1755	184JP	14.3-12.9/6.4	89.5%	**6FJY7**
7½	3530	213JP	19.4-17.5/8.7	89.5%	**6FJY8**
	1770	213JP	19.9-18.0/9.0	91.7%	**6FJY9**
10	3530	215JP	25.7-23.2/11.6	90.2%	**6FJZ0**
	1765	215JP	27.4-24.8/12.4	91.7%	**6FJZ1**
15	3535	254JP	37.6-34.4/17.2	91.0%	**6FJZ2**
	1765	254JP	39.8-36.0/18.0	92.4%	**6FJZ3**
20	3530	256JP	51.3-46.4/23.2	91.0%	**6FJZ4**
	1765	256JP	53.3-48.2/24.1	93.0%	**6FJZ5**
25	3555	284JP	63.0-57.0/28.5	91.7%	**6FJZ6**
	1770	284JP	65.2-59.0/29.5	93.6%	**6FJZ7**
30	3530	286JP	74.8-67.6/33.8	91.7%	**6FJZ8**
	1765	286JP	77.6-70.2/35.1	93.6%	**6FJZ9**
40	3555	324JP	101.0-91.6/45.8	92.4%	**6FKA0**
	1775	324JP	107.0-96.4/48.2	94.1%	**6FKA1**
50	3550	326JP	124.0-112.0/56.1	93.0%	**6FKA2**
	1780	326JP	131.0-118.0/59.2	94.5%	**6FKA3**
60	3560	364/5JP	148.0-134.0/67.0	93.6%	**6FKA4**
	1780	364/5JP	151.0-137.0/68.3	95.0%	**6FKA5**
75	3560	364/5JP	181.0-164.0/81.9	93.6%	**6FKA7**
	1775	364/5JP	186.0-168.0/84.1	95.4%	**6FKA8**
100	3550	404/5JP	243.0-220.0/110.0	94.1%	**6FKA9**
	1775	404/5JP	245.0-222.0/111.0	95.4%	**6FKC1**
Totally Enclosed Fan-Cooled, JM Threaded, Cast-Iron Frame					
1	1765	143JM	3.7-2.8/1.4	85.5%	**6FKC3**
1½	3495	143JM	4.2-3.8/1.9	84.0%	**6FKC4**
	1760	145JM	4.3-4.0/2.0	86.5%	**6FKC5**
2	1755	145JM	5.7-5.2/2.6	86.5%	**6FKC7**
3	3510	182JM	8.1-7.2/3.6	86.5%	**6FKC8**
	1760	182JM	8.5-7.7/3.8	89.5%	**6FKC9**
5	3510	184JM	13.1-11.8/5.9	88.5%	**6FKD0**
	1755	184JM	14.3-12.9/6.4	89.5%	**6FKD1**
7½	3530	213JM	19.4-17.5/8.7	89.5%	**6FKD2**
	1770	213JM	19.9-18.0/9.0	91.7%	**6FKD3**
10	3530	215JM	25.7-23.2/11.6	90.2%	**6FKD4**
	1765	215JM	27.4-24.8/12.4	91.7%	**6FKD5**
15	3535	254JM	37.6-34.4/17.2	91.0%	**6FKD6**
	1765	254JM	39.8-36.0/18.0	92.4%	**6FKD7**
20	3530	256JM	51.3-46.4/23.2	91.0%	**6FKD8**
	1765	256JM	53.3-48.2/24.1	93.0%	**6FKD9**
25	3555	284JM	63.0-57.0/28.5	91.7%	**6FKE0**
	1770	284JM	65.2-59.0/29.5	93.6%	**6FKE1**
30	3530	286JM	74.8-67.6/33.8	91.7%	**6FKE2**
	1765	286JM	77.6-70.2/35.1	93.6%	**6FKE3**
40	3555	324JM	101.0-91.6/45.8	92.4%	**6FKE4**
	1775	324JM	107.0-96.4/48.2	94.1%	**6FKE5**
50	3550	326JM	124.0-112.0/56.1	93.0%	**6FKE6**
	1780	326JM	131.0-118.0/59.2	94.5%	**6FKE7**
60	3560	364/5JM	148.0-134.0/67.0	93.6%	**6FKE8**
	1780	364/5JM	151.0-137.0/68.3	95.0%	**6FKE9**
75	3560	364/5JM	181.0-164.0/81.9	93.6%	**6FKF1**
	1775	364/5JM	186.0-168.0/84.1	95.4%	**6FKF2**
100	3555	405TCZ	243.0-220.0/110.0	94.1%	**6FKF3**
	1775	405TCZ	245.0-222.0/111.0	95.4%	**6FKF5**





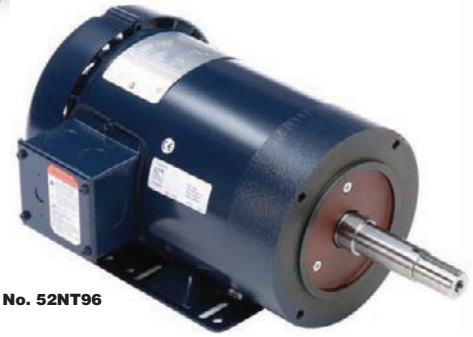
Frame Designations	Close-Coupled Pump Shaft Dimensions U	EL	EM	EN	EQ	ET	AH	AJ	AK	BD	BF
143JM/145JM	⅞"	1 5/32"	1"	⅜-16 x ¾"	⅝"	2⅞"	4¼"	5⅞"	4½"	6⅝"	⅜-16"
143JP/145JP	⅞"	1 5/32"	1"	⅜-16 x ¾"	1 9/16"	5 15/16"	7 5/16"	5⅞"	4½"	6⅝"	⅜-16"
182JM/184JM	⅞"	1¼"	1"	⅜-16 x ¾"	⅝"	2⅞"	4¼"	5⅞"	4½"	6⅝"	⅜-16"
182JP/184JP	⅞"	1¼"	1"	⅜-16 x ¾"	1 9/16"	5 15/16"	7 5/16"	5⅞"	4½"	6⅝"	⅜-16"
213JM/215JM	⅞"	1¼"	1"	⅜-16 x ¾"	⅝"	2⅞"	4¼"	7¼"	8½"	9"	½-13"
213JP/215JP	1¼"	1¾"	1⅜"	½-13 x 1"	2⅜"	5⅞"	8⅛"	7¼"	8½"	9"	½-13"
254JM/256JM	1¼"	1¾"	1⅜"	½-13 x 1"	⅝"	3"	5¼"	7¼"	8½"	9¼"	½-13"
254JP/256JP	1¼"	1¾"	1⅜"	½-13 x 1"	2⅜"	5⅞"	8⅛"	7¼"	8½"	9"	½-13"
284JM/286JM	1¼"	1¾"	1⅜"	½-13 x 1"	⅝"	3"	5¼"	11"	12½"	10"	⅝-11"
284JP/286JP	1¼"	1¾"	1⅜"	½-13 x 1"	2⅜"	5⅞"	8⅛"	11"	12½"	10"	⅝-11"

Frame Designations	Close-Coupled Pump Shaft Dimensions U	EL	EM	EN	EQ	ET	AH	AJ	AK	BD	BF
324JM	1¼"	1¾"	1⅜"	½-13 x 1"	⅝"	3"	5¼"	11"	12½"	14"	⅝-11"
324JP	1¼"	1¾"	1⅜"	½-13 x 1"	2⅜"	5⅞"	8⅛"	11"	12½"	14"	⅝-11"
326JM	1¼"	1¾"	1⅜"	½-13 x 1"	⅝"	3"	5¼"	11"	12½"	14"	⅝-11"
326JP	1¼"	1¾"	1⅜"	½-13 x 1"	2⅜"	5⅞"	8⅛"	11"	12½"	14"	⅝-11"
364JM	1¼"	1¾"	1⅜"	½-13 x 1"	⅝"	3"	5¼"	11"	12½"	14"	⅝-11"
364JP	1⅝"	2⅛"	1¾"	½-13 x 1"	2⅜"	5⅞"	8⅛"	11"	12½"	14"	⅝-11"
365JM	1¼"	1¾"	1⅜"	½-13 x 1"	⅝"	3"	5¼"	11"	12½"	14"	⅝-11"
365JP	1⅝"	2⅛"	1¾"	½-13 x 1"	2⅜"	5⅞"	8⅛"	11"	12½"	14"	⅝-11"
404JP/405JP	1⅝"	2⅛"	1¾"	½-13 x 2"	2⅜"	5⅞"	8⅛"	11"	12½"	15 9/16"	⅝-11"

No. 26ZY32

No. 26ZY10

No. 26ZY45



No. 52NT96

marathon Motors Century

1- and 3-Phase Close-Coupled Pump Motors

- Rotation: CW/CCW, except where noted
- Thermal protection: none
- Service factor: 1.15 except for No. 26ZY45 is 1.00
- Insulation: Class F, except where noted
- Max. ambient temp.: 40°C

Motors are continuous-duty and for use in commercial and industrial pumping applications. TEFC motors are suitable for use in dirty, dusty, and nonhazardous applications. All models are UL Recognized and CSA Certified.

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Nom. Efficiency	Brand	Item No.
Open Dripproof, JM Threaded, Capacitor-Start, Face/Base							
1	1725	143JM	115/208-230	13.4/6.8-6.7	72.0%	Marathon	**26ZY32** †
2	3500	145JM		19.1/10.6-9.5	78.5%	Marathon	**26ZY33** †
3	3500	182JM	115/230	32.0/16.1	75.5%	Century	**26ZY58** *
	3500	182JM		32.0/16.1	75.5%	Marathon	**26ZY36**
	1747	184JM		33.5/16.8	75.5%	Marathon	**26ZY38**
5	3530	184JM	230	22.7	78.5%	Century	**22UP53** *
	1750	213JM		22.0	82.5%	Century	**26ZY60** *
	3500	184JM		22.0	80.0%	Marathon	**26ZY37**
7½	1730	215JM		34.5	84.0%	Century	**22UP54** *
	3470	213JM		37.0	78.5%	Century	**26ZY56** *
	3470	213JM		37.0	78.5%	Marathon	**26ZY39** †
	1730	215JM		34.5	84.0%	Marathon	**26ZY42**
10	3510	215JM		37.5	82.5%	Century	**26ZY57** *
	3465	215JM		47.0	81.5%	Marathon	**26ZY43** †
Open Dripproof, JM Threaded, 3-Phase, Face/Base							
1	1760	143JM	208-230/460	3.2-3.0/1.5	85.5%	Marathon	**26ZX83**
1½	3515	143JM		4.0-3.8/1.9	86.5%	Marathon	**26ZX81**
	1755	145JM		4.4-4.4/2.2	86.5%	Marathon	**26ZX91**
2	3510	145JM		6.0-5.6/2.8	86.5%	Marathon	**26ZX87**
	1750	145JM		6.2-5.8/2.9	86.5%	Marathon	**26ZX92**
3	3490	145JM		8.0-7.2/3.6	86.5%	Marathon	**26ZX88**
	1765	182JM		8.4-8.0/4.0	86.5%	Marathon	**26ZX95**
5	3495	182JM		13.2-11.8/5.9	89.5%	Marathon	**26ZX93**
	1755	184JM		14.0-12.8/6.4	90.2%	Marathon	**26ZX99**
7½	3510	184JM		19.0-17.0/8.5	90.2%	Marathon	**26ZX97**
	1768	213JM		21.0-19.0/9.5	89.5%	Marathon	**26ZY04**
10	1768	215JM		26.9-25.0/12.5	91.7%	Marathon	**26ZY08**
	1775	254JM		40.0-38.0/19.0	91.7%	Marathon	**26ZY10**
15	1775	254JM	575	15.2	91.7%	Marathon	**26ZY11**
	3525	215JM	230/460	36.5/18.2	91.0%	Marathon	**482R03**
20	3545	254JM	208-230/460	51.0-46.0/23.0	91.7%	Marathon	**26ZY12**
	3520	254JM	230/460	46.0/23.1	91.7%	Marathon	**29AK18**
	3520	254JM	200	53.1	91.7%	Marathon	**29AK19** †
30	3555	284JM	208-230/460	76.0-68.0/34.0	94.5%	Marathon	**26ZY18**
40	3555	286JM		89.0/44.5	94.1%	Marathon	**52JA59**
Open Dripproof, JP Threaded, Capacitor-Start, Face/Base							
7½	3470	213JP	230	37.0	78.5%	Century	**26ZY61** *
10	3510	215JP		37.5	82.5%	Century	**26ZY62** *
Open Dripproof, JP Threaded, 3-Phase, Face/Base							
1	1760	143JP	230/460	3.0/1.5	86.5%	Marathon	**32UP82**
3	1750	182JP		7.6/3.8	89.5%	Marathon	**32UP93**
5	3505	182JP		12.4/6.2	85.5%	Marathon	**32UP26**
7½	1750	213JP		19.0/9.5	91.7%	Marathon	**32UR02**
10	3450	213JP		23.0/11.5	89.5%	Marathon	**32UP99**
20	1750	256JP		48.0/24.0	94.1%	Marathon	**32UR14**
25	3450	256JP		57.0/28.5	93.6%	Marathon	**32UR12**
Open Dripproof, Keyed, 3-Phase, Face/Base							
25	1778	284JM	208-230/460	66.0-62.0/31.0	94.1%	Marathon	**26ZY20**

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Nom. Efficiency	Brand	Item No.
Totally Enclosed Fan-Cooled, JM Threaded, Capacitor-Start/Run, Face/Base							
7½	3465	213JM	230	32.0	81.5%	Marathon	**26ZY45**
Totally Enclosed Fan-Cooled, JM Threaded, 3-Phase, Face/Base							
15	3540	254JM	208-230/460	39.0-35.0/18.0	91.0%	Century	**29NZ27**
20	3540	256JM		51.0-46.0/23.0	90.2%	Century	**29NZ28**
25	3560	284JM	230/460	56.0/28.0	94.1%	Marathon	**25VD75**
Totally Enclosed Fan-Cooled, JP Threaded, 3-Phase, Face							
2	1760	145JPV	230/460	6.0/3.0	75.5%	Marathon	**29FH20**
3	1750	182JP		7.6/3.8	89.5%	Marathon	**29FH26**
7½	3510	213JP		17.4/8.7	91.7%	Marathon	**29FH32**
	1770	213JP		19.2/9.6	90.2%	Marathon	**29FH34**
10	1768	215JP		25.6/12.8	92.4%	Marathon	**29FH38**
	3505	215JP		23.0/11.5	90.2%	Marathon	**29FH36**
15	3538	254JP		35.0/17.5	93.6%	Marathon	**29FH40**
	1770	254JP		37.0/18.5	93.6%	Marathon	**29FH42**
20	1773	256JP		48.5/24.2	93.6%	Marathon	**29FH46**
Totally Enclosed Fan-Cooled, JP Threaded, 3-Phase, Face/Base							
1	1765	143JPV	230/460	3.3/1.6	85.5%	Marathon	**29FG95**
1½	1755	145JPV		4.6/2.3	86.5%	Marathon	**29FH08**
2	1760	145JPV	200	6.9	85.5%	Marathon	**29FH19**
10	1768	215JP	575	10.3	92.4%	Marathon	**29FH39**
Totally Enclosed Fan-Cooled, Keyed, 3-Phase, Face/Base							
1	1760	143JM	230/460	3.2/1.6	85.5%	Marathon	**52NT96**
2	1745	145JM		5.8/2.9	86.5%	Marathon	**52NU09**
3	1750	182JM		7.8/3.9	87.5%	Marathon	**52NU13**
5	3495	184JM		12.0/6.0	88.5%	Marathon	**52NU15**
	1740	184JM		12.4/6.2	88.5%	Marathon	**52NU17**
7½	3525	213JM		17.8/8.9	90.2%	Marathon	**52NU19**
	1770	213JM		18.6/9.3	86.5%	Marathon	**52NU21**
10	3505	215JM		23.0/11.5	90.2%	Marathon	**52NU23**
	1770	215JM		24.4/12.2	92.4%	Marathon	**52NU25**

CWLE rotation. † Class B.

ODP, Face-Mount, Keyed Shaft

ODP, Face/Base-Mount, Threaded Shaft

TEFC, Face-Mount, Threaded Shaft

marathon™ Motors ★ Dayton®

1-Phase Jet Pump Motors

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

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

56C frame shaft: 5/8" dia. x 1 7/8"L, 3/16"-wide keyway.

56J frame shaft: stainless steel, 7/16-20 UNF-2A, RH threaded 1 1/16" from end, 2 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 equal or exceed 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. ½-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.	
Open Dripproof, 56C Frame, Face-Mount, Keyed Shaft										
	3450	CCWSE	115	6.2	1.75	50°C	Marathon	H439	**2K409**	*
1/3	3450	CCWSE	115/230	6.2/3.1	1.75	50°C	Marathon	C1081	**2K391**	
	3450	CCWSE	115/230	6.2/3.1	1.75	40°C	Dayton	5K955	**5K955**	
1/2	3450	CCWSE	115/230	8.2/4.1	1.60	50°C	Marathon	C1082	**2K392**	
	3450	CCWSE	115/230	7.7/3.8	1.60	40°C	Dayton	5K657	**5K657**	
	3450	CW/CCW	115/230	11.2/5.6	1.50	40°C	Marathon	C332	**4K110**	
3/4	3450	CCWSE	115/230	13.0/6.5	1.50	50°C	Marathon	C1083A	**35LF85**	
	3450	CCWSE	115/230	11.6/5.8	1.50	40°C	Dayton	5K658	**5K658**	
	3450	CW/CCW	115/208-230	13.2/6.5-6.6	1.40	40°C	Marathon	C334	**4K111**	
1	3450	CW/CCW	115/208-230	12.8/6.7-6.4	1.40	40°C	Dayton	5K659	**5K659**	
	3450	CCWSE	115/230	14.2/7.1	1.40	50°C	Marathon	C1084	**2K394**	
	3450	CW/CCW	115/208-230	18.4/9.8-9.2	1.30	40°C	Marathon	C336	**4K112**	
1 1/2	3450	CW/CCW	115/208-230	18.2/9.2-9.1	1.30	40°C	Dayton	5K469	**5K469**	
	3450	CCWSE	115/230	15.8/7.9	1.30	50°C	Marathon	C1085	**2K395**	†
	3450	CW/CCW	115/208-230	21.2/11.5-10.6	1.20	40°C	Marathon	C338	**4K113**	
2	3450	CCWSE	115/208-230	19.6/10.7-9.8	1.20	40°C	Dayton	5K470	**5K470**	
	3450	CCWSE	115/230	19.2/9.6	1.20	50°C	Marathon	C1086	**2K396**	†
3	3450	CW/CCW	115/230	29.4/14.7	1.15	40°C	Marathon	C340	**4K114**	†
Totally Enclosed Fan-Cooled, 56C Frame, Face/Base-Mount, Keyed Shaft										
1/2	3450	CW/CCW	115/230	7.4/3.7	1.25	40°C	Marathon	C444	**2K379**	
Open Dripproof, 56J Frame, Face/Base-Mount, Threaded Shaft										
1/3	3450	CCWSE	115	6.2	1.75	50°C	Marathon	H685	**5U259**	*
1/2	3450	CCWSE	115/230	8.2/4.1	1.60	50°C	Marathon	C1462	**5U170**	
	3450	CCWSE	115/230	9.0/4.5	1.60	40°C	Dayton	6K580	**6K580**	
3/4	3450	CCWSE	115/208-230	11.0/5.4-5.5	1.50	40°C	Dayton	6K581	**6K581**	
	3450	CCWSE	115/230	11.6/5.8	1.50	50°C	Marathon	C1463	**5U171**	
1	3450	CCWSE	115/208-230	13.2/6.8-6.6	1.40	40°C	Dayton	6K582	**6K582**	
	3450	CCWSE	115/230	14.2/7.1	1.40	50°C	Marathon	C1464	**5U172**	
1 1/2	3450	CCWSE	115/208-230	18.2/9.2-9.1	1.30	40°C	Dayton	6K516	**6K516**	
	3450	CCWSE	115/230	15.8/7.9	1.30	50°C	Marathon	C1465	**5U173**	†
2	3450	CCWSE	115/230	19.2/9.6	1.20	50°C	Marathon	C1466	**5U174**	†
Open Dripproof, 56J Frame, Face-Mount, Threaded Shaft										
	3450	CCWSE	115	6.2	1.75	50°C	Marathon	H440	**2K410**	*
	3450	CCWSE	115/208-230	6.4/3-3.2	1.75	40°C	Marathon	C329	**2K366**	
1/3	3450	CCWSE	115/230	6.2/3.1	1.75	50°C	Marathon	C1087	**2K397**	
	3450	CCWSE	115/230	6.2/3.1	1.75	40°C	Dayton	5K956	**5K956**	
	1725/1425	CCWSE	115/208-230	6.0/3.2-3.0	1.35	40°C	Marathon	C683	**2K650**	
	3450	CCWSE	115/208-230	7.6/3.7-3.8	1.60	40°C	Marathon	C331	**2K367**	
1/2	3450	CCWSE	115/230	8.2/4.1	1.60	50°C	Marathon	C1088	**2K398**	
	3450	CCWSE	115/230	9.0/4.5	1.65	40°C	Dayton	5K660	**5K660**	
	3450	CCWSE	115/208-230	11.2/5.3-5.6	1.50	40°C	Marathon	C333	**2K368**	
3/4	3450	CCWSE	115/208-230	10.4/5.4-5.2	1.50	40°C	Dayton	5K661	**5K661**	
	3450	CCWSE	115/230	11.6/5.8	1.50	50°C	Marathon	C1089	**2K399**	
	3450	CCWSE	115/208-230	13.2/6.5-6.6	1.40	40°C	Marathon	C335	**2K369**	
1	3450	CCWSE	115/230	14.2/7.1	1.40	50°C	Marathon	C1090	**2K400**	
	3450	CCWSE	115/230	13.4/6.7	1.40	40°C	Dayton	5K662	**5K662**	
	3450	CCWSE	115/208-230	18.2/9.2-9.1	1.30	40°C	Dayton	5K475	**5K475**	
1 1/2	3450	CCWSE	115/230	18.4/9.2	1.30	40°C	Marathon	C337	**2K370**	
	3450	CCWSE	115/230	15.8/7.9	1.30	50°C	Marathon	C1091	**2K401**	†
	3450	CCWSE	115/208-230	19.6/10.7-9.8	1.20	40°C	Dayton	5K476	**5K476**	
2	3450	CCWSE	115/230	21.2/10.6	1.20	40°C	Marathon	C339	**2K371**	
	3450	CCWSE	115/230	19.2/9.6	1.20	50°C	Marathon	C1092	**2K402**	†
3	3450	CCWSE	115/230	29.4/14.7	1.15	40°C	Marathon	C341	**2K372**	†
Totally Enclosed Fan-Cooled, 56J Frame, Face-Mount, Threaded Shaft										
1/3	3450	CW/CCW	115/230	5.6/2.8	1.00	40°C	Marathon	C1336	**5TB76**	
1/2	3450	CCWSE	115/230	7.4/3.7	1.15	40°C	Marathon	C465	**2K382**	
1	3450	CCWSE	115/230	13.0/6.5	1.15	40°C	Marathon	C352	**2K378**	
2	3450	CCWSE	115/230	17.8/8.9	1.00	40°C	Marathon	C878	**2K390**	†

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

ODP, Face/Base-Mount

TEFC, Face-Mount

marathon™ Motors ★ Dayton®

3-Phase Jet Pump Motors

- 56J frame
- Thermal protection: none
- Bearings: ball
- Max. ambient temp.: 40°C

Shaft: stainless steel, 7/16-20 UNF-2A RH threaded 1 1/16" from end, 2 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 5/6 of 60 Hz HP and rpm. For use in industrial, commercial, centrifugal, and hydraulic pumps. 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	Ins. Class	Brand	Mfr. Stock No.	Item No.
Open Dripproof, Face-Mount									
1/3	3450/2850	CW/CCW	208-230/460	1.5-1.8/0.90	1.75	B	Marathon	K748	**4N087**
1/2	3450	CW/CCW	208-230/460	2.0-2.0/1.0	1.60	B	Marathon	K217	**4N062**
	1725	CW/CCW	208-230/460	2.3-2.2/1.1	1.25	B	Marathon	K553	**4N085**
3/4	1725	CW/CCW	208-230/460	3.3-3.0/1.5	1.25	B	Marathon	K555	**4N086**
1	3450	CW/CCW	208-230/460	3.3-3.2/1.6	1.40	B	Marathon	K221	**4N064**
	1725	CW/CCW	208-230/460	3.6-3.8/1.9	1.15	B	Marathon	K750	**4N089**
1 1/2	3450	CW/CCW	208-230/460	5.0-4.8/2.4	1.30	B	Marathon	K223	**4N065**
	1725	CW/CCW	208-230/460	5.8-5.6/2.8	1.15	B	Marathon	K751	**4N090**
2	3450	CW/CCW	208-230/460	6.0-6.0/3.0	1.20	B	Marathon	K225	**4N066**
3	3450	CW/CCW	208-230/460	8.9-8.2/4.1	1.15	B	Marathon	K227	**4N067**
Open Dripproof, Face/Base-Mount									
3/4	3530/2910	CW/CCW	208-230/460	2.3-2.2/1.1	1.15	B	Dayton	3N088	**3N088**
	3450	CW/CCW	208-230/460	2.6-2.6/1.3	1.50	B	Marathon	K1483	**5U264**
1 1/2	3450	CW/CCW	230/460	3.8/1.9	1.30	B	Dayton	52ZW08	**52ZW08**
Totally Enclosed Fan-Cooled, Face-Mount									
1/2	3450	CW/CCW	200-230/460	2.1-2.0/1.0	1.60	A	Marathon	K230	**4N070**
	1725	CW/CCW	208-230/460	2.3-2.2/1.1	1.00	B	Marathon	K550	**4N084**
1 1/2	3450	CW/CCW	230/460	4.0/2.0	1.30	B	Marathon	KG236A	**53DE73**
2	3450	CW/CCW	230/460	5.0/2.5	1.25	F	Marathon	K238A	**53DE40**
3	3450	CW/CCW	230/460	7.6/3.8	1.00	B	Marathon	K240A	**53DE42**
Totally Enclosed Fan-Cooled, Face/Base-Mount									
1 1/2	3450	CW/CCW	230/460	4.0/2.0	1.15	B	Marathon	J064A	**53DE36**
Totally Enclosed Fan-Cooled, Rigid Base-Mount									
1	3450	CW/CCW	230/460	3.0/1.5	1.15	B	Marathon	J063A	**53UF61**

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

- Enclosure: open dripproof
- Thermal protection: auto, except 3-phase motors have none
- Mounting: flange, horizontal only
- Bearings: ball

Motors are equivalent replacements for most popular pool and spa manufacturers' pumps. Permanent split capacitor and 3-phase motors are single-compartment design. Capacitor-start motors are 2-compartment design. Shaft: 303 stainless steel, ½-20 UNF-2A RH external threads. Additional square-flange pump motors are available on Grainger.com®. UL Recognized and CSA Certified.

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

HP	Nameplate RPM	Rotation	Phase	Voltage	Full Load Amps	Service Factor	Ins. Class	Efficiency Group	Max. Ambient Temp.	Mfr. Stock No.	Item No.
56Y Frame, Permanent Split Capacitor											
½	3450	CCWSE	1	115/208-230	8.8/4.5-4.4	1.90	B	Energy Efficient	50°C	B845	**16U451**
	3450	CCWSE	1	115/230	10.8/5.4	1.95	F	Standard Efficient	50°C	B2846	**6UEV2** *
¾	3450	CCWSE	1	115/208-230	11.2/6.0-5.6	1.67	F	Standard Efficient	50°C	B2661	**16U450**
	3450	CCWSE	1	115/230	10.8/5.4	1.25	F	Standard Efficient	50°C	B2852	**16U447**
1	3450	CCWSE	1	115/230	13.2/6.6	1.25	F	Standard Efficient	50°C	B2853	**16U442**
	3450	CCWSE	1	115/230	16.0/8.0	1.65	F	Standard Efficient	50°C	B2848	**6UEV4** *
1½	3450	CCWSE	1	115/230	16.0/8.0	1.10	F	Standard Efficient	50°C	B2854	**16U440**
	3450	CCWSE	1	115/230	21.0/10.5	1.50	F	Standard Efficient	50°C	B2858	**6FJF3**
	3450	CCWSE	1	208-230	9.6-8.8	1.47	F	Standard Efficient	50°C	B2842	**16U449**
	3450	CCWSE	1	230	10.0	1.50	B	Standard Efficient	50°C	B849	**16U443**
2, ⅓	3450/1725	CCWSE	1	230	10.0/3.5	1.10	B	Standard Efficient	40°C	B985	**16U436**
2	3450	CCWSE	1	115/230	21.0/10.5	1.10	F	Standard Efficient	50°C	B2859	**16U452**
	3450	CCWSE	1	208-230	11.0/10.2	1.30	F	Standard Efficient	50°C	B2843	**16U446**
	3450	CCWSE	1	230	10.0	1.10	B	Standard Efficient	50°C	B855	**16U441**
	3450	CCWSE	1	230	11.5	1.30	F	Standard Efficient	50°C	B2748	**6UEV5** *
2½	3450	CCWSE	1	230	11.5	1.04	F	Standard Efficient	50°C	B2840	**16U448**
3	3450	CCWSE	1	208-230	15.0-13.6	1.15	F	Standard Efficient	50°C	B2844	**16U444**
56Y Frame, Capacitor-Start/Run											
¾, ⅒	3450/1725	CCWSE	1	115	12.2/2.0	1.67	F	Energy Efficient	50°C	B2981	**16U437**
	3450/1725	CCWSE	1	230	5.8/0.90	1.67	F	Energy Efficient	50°C	B2980	**16U439**
1, ⅒	3450/1725	CCWSE	1	230	7.4/1.4	1.65	F	Energy Efficient	50°C	B2982	**16U438**
1½, ⅛	3450/1725	CCWSE	1	230	10.0/1.6	1.47	F	Energy Efficient	50°C	B2983	**16U434**
2, ¼	3450/1725	CCWSE	1	230	11.0/1.8	1.30	F	Energy Efficient	50°C	B2984	**16U435**
3	3450	CCWSE	1	208-230	15.0-13.3	1.15	B	Standard Efficient	50°C	SQ1302V1	**2GMP9** *
56Y Frame, 3-Phase											
½	3450	CW/CCW	3	208-230/460	3.2-3.0/1.5	1.90	B	Standard Efficient	50°C	H491	**4YY42** *
¾	3450	CW/CCW	3	208-230/460	3.8-3.6/1.8	1.65	B	Standard Efficient	50°C	H492	**4YY43** *
1	3450	CW/CCW	3	208-230/460	5.0-4.6/2.3	1.65	B	Standard Efficient	50°C	H635	**4YY44** *
1½	3450	CW/CCW	3	208-230/460	6.4-5.8/2.9	1.47	B	Standard Efficient	50°C	H636	**4YY45** *
2	3450	CW/CCW	3	208-230/460	7.1-6.8/3.4	1.30	B	Standard Efficient	50°C	H637	**4YY46** *
3	3450	CW/CCW	3	208-230/460	9.8-9.6/4.8	1.15	B	Standard Efficient	50°C	H755	**4YY47** *
	3450	CW/CCW	3	208-230/460	10.0/5.0	1.15	B	Standard Efficient	50°C	Q3302V1	**16U454**
5	3450	CW/CCW	3	208-230/460	13.4-13.4/6.7	1.00	B	Standard Efficient	40°C	H995	**16U481**

**** Motor shafts also have ¼-20 UNC-2B LH internal threads.***

56Y Frame, Permanent Split Capacitor

56Y Frame, Capacitor Start/Run

56Y Frame, 3-Phase

HP	Nameplate RPM	Voltage	Full Load Amps	Service Factor	Efficiency Group	Motor Flange Material	Max. Ambient Temp.	Mfr. Stock No.	Item No.
56C Frame, Capacitor-Start/Run									
½	3450	115/230	8.0/4.0	1.60	Energy Efficient	Aluminum	50°C	CK1052	**5PE35**
¾	3450	115/230	11.0/5.5	1.50	Energy Efficient	Aluminum	50°C	CK1072	**5PE37**
1	3450	115/230	13.6/6.8	1.40	Energy Efficient	Aluminum	50°C	CK1102	**5PE39**
1½	3450	115/230	19.4/9.7	1.30	Energy Efficient	Aluminum	50°C	SK1152	**5PE45**
2	3450	230	11.2	1.30	Energy Efficient	Aluminum	50°C	SK1202	**5PE46**
3	3450	208-230	15.0-13.3	1.15	Standard Efficient	Aluminum	50°C	SK1302V1	**3CZR4**
56C Frame, Permanent Split Capacitor									
½	3450	115/208-230	8.2/4.4-4.1	1.50	Energy Efficient	Cast-Iron	50°C	B639	**5PB73**
	3450	115/230	8.8/4.4	1.60	Standard Efficient	Aluminum	50°C	B120	**5PB61**
¾	3450	115/230	12.0/6.0	1.50	Standard Efficient	Aluminum	50°C	B121	**5PB62**
1	3450	115/208-230	11.8/6.4-5.9	1.40	Energy Efficient	Aluminum	50°C	B653	**5PB93**
	3450	115/230	14.4/7.2	1.40	Standard Efficient	Aluminum	50°C	B122	**5PB63**
1½	3450	115/208-230	15.6/8.7-7.8	1.30	Energy Efficient	Aluminum	50°C	B795	**5PB97**
	3450	115/230	18.4/9.2	1.30	Standard Efficient	Aluminum	50°C	B123	**5PB64**
2	3450	115/230	21.6/10.8	1.20	Standard Efficient	Aluminum	50°C	B835	**16U472**
	3450	208-230	10.4	1.20	Energy Efficient	Aluminum	50°C	B808	**5PE11**
	3450	230	10.5	1.20	Standard Efficient	Aluminum	50°C	B124	**5PB65**
3	3450	208-230	15.0-13.6	1.15	Energy Efficient	Aluminum	50°C	B817	**5PE15**
	3450	230	14.1	1.15	Standard Efficient	Aluminum	50°C	B125	**16U473**
56J Frame, Capacitor-Start/Run									
½	3450	115/230	8.0/4.0	1.60	Energy Efficient	Aluminum	50°C	CT1052	**5PE40**
¾	3450	115/230	8.0/4.0	1.00	Energy Efficient	Aluminum	50°C	UCT1072	**16U479**
	3450	115/230	11.0/5.5	1.50	Energy Efficient	Aluminum	50°C	CT1072	**5PE41**
1, ⅒	3450/1725	230	7.0/2.3	1.50	Energy Efficient	Aluminum	50°C	STS1102RV1	**16U474**
1	3450	115/230	11.0/5.5	1.00	Energy Efficient	Aluminum	50°C	UCT1102	**16U477**
	3450	115/230	13.6/6.8	1.40	Energy Efficient	Aluminum	50°C	CT1102	**5PE53**
1½, ¼	3450/1725	230	9.0/3.3	1.30	Energy Efficient	Aluminum	40°C	STS1152R	**5PE56**
1½	3450	115/208-230	19.6/10.4-9.8	1.47	Energy Efficient	Aluminum	50°C	ST1152	**5PE50**
	3450	115/230	14.6/7.3	1.00	Energy Efficient	Aluminum	50°C	UCT1152	**16U478**
2	3450	115/208-230	19.6/10.4-9.8	1.10	Energy Efficient	Aluminum	50°C	UST1202	**5PE61**
	3450	208-230	12.6-11.4	1.30	Energy Efficient	Aluminum	50°C	ST1202	**5PE51**
2½	3450	208-230	12.6-11.4	1.06	Energy Efficient	Aluminum	50°C	UST1252	**16U476**
3	3450	208-230	15.0-13.3	1.15	Standard Efficient	Aluminum	50°C	ST1302V1	**2LJF9**
56J Frame, Permanent Split Capacitor									
½	3450	115/208-230	7.4/4.0-3.7	1.60	Energy Efficient	Aluminum	50°C	B657	**16U468**
	3450	115/230	8.8/4.4	1.60	Standard Efficient	Aluminum	50°C	B126	**5PB66**
¾	3450	115/208-230	10.0/5.4-5.0	1.50	Energy Efficient	Aluminum	50°C	B638	**5PB91**
	3450	115/230	8.8/4.4	1.00	Standard Efficient	Aluminum	50°C	B227SE	**5PB79**
	3450	115/230	12.0/6.0	1.50	Standard Efficient	Cast-Iron	50°C	164360	**5PB58**
	3450	115/230	12.0/6.0	1.50	Standard Efficient	Aluminum	50°C	B127	**5PB67**
1	3450	115/208-230	11.8/6.4-5.9	1.40	Energy Efficient	Aluminum	50°C	B654	**5PB95**
	3450	115/230	12.0/6.0	1.00	Standard Efficient	Aluminum	50°C	B228SE	**5PB81**
	3450	115/230	14.4/7.2	1.40	Standard Efficient	Aluminum	50°C	B128	**5PB68**
1½, ⅓	3450/1725	115	14.6/4.4	1.10	Energy Efficient	Aluminum	50°C	B969	**16U466**
1½	3450	115/208-230	15.6/8.7-7.8	1.30	Energy Efficient	Aluminum	50°C	B796	**5PB99**
	3450	115/230	14.4/7.2	1.00	Standard Efficient	Aluminum	50°C	B229SE	**5PB83**
	3450	115/230	18.4/9.2	1.30	Standard Efficient	Cast-Iron	50°C	164362	**5PB60**
	3450	115/230	18.4/9.2	1.30	Standard Efficient	Aluminum	50°C	B129	**5PB69**
2	3450	115/230	18.4/9.2	1.00	Standard Efficient	Aluminum	50°C	B230SE	**5PB85**
	3450	115/230	21.6/10.8	1.20	Standard Efficient	Aluminum	50°C	B836	**16U471**
	3450	208-230	10.4	1.20	Energy Efficient	Aluminum	50°C	B809	**5PE13**
	3450	230	10.5	1.20	Standard Efficient	Aluminum	50°C	B130	**5PB71**
2½	3450	230	10.5	1.00	Standard Efficient	Aluminum	50°C	B231SE	**5PB87**
3, ⅓	3450/1725	230	13.8/4.0	1.15	Energy Efficient	Aluminum	40°C	B966	**16U465**
3	3450	208-230	15.0-13.6	1.15	Energy Efficient	Aluminum	50°C	B818	**5PE17**
	3450	230	14.1	1.15	Standard Efficient	Aluminum	50°C	B131	**16U470**

56C Frame, Permanent Split Capacitor

56J Frame, Capacitor Start/Run

56J Frame, Permanent Split Capacitor

1-Phase Face-Mount Pool Pump Motors

- Enclosure: open dripproof
- Rotation: CCWSE
- Thermal protection: auto
- Insulation: Class B
- Bearings: ball

Motors are equivalent replacements for most popular pool and spa pump manufacturers' pumps. Sealed switch design prevents water infiltration. Moisture/heat-resistant bearing lubricant.

56C frame shaft: keyed steel, ⅝" dia. x 1⅞"L with 3⁄16"W keyway.

56J frame shaft: 303 stainless steel, 7⁄16-20 UNF-2A RH threaded 11⁄16" from end.

All motors are UL Recognized and CSA Certified.

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

Cradle Base

Rigid Base

marathon™ Motors Century®

Split-Phase Carbonator Pump Motors

- Enclosure: open dripproof
- Rotation: CW/CCW
- Thermal protection: auto
- Insulation: Class B
- Max. ambient temp.: 40°C

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 2698 for an assortment of suitable pumps. UL Recognized and CSA Certified.

HP	Nameplate RPM	Frame	Voltage	Hz	Full Load Amps	Service Factor	Bearings	Shaft Dia.	Brand	Mfr. Stock No.	Item No.
Cradle Base											
¼	1725	48Y	115	60	5.0	1.00	Ball	½"	Marathon	4725	**3K067**
	1725	48Y	115	60	4.4	1.00	Sleeve	⅝"	Century	CB2024AV1	**5DVX8**
⅓	1725	48Y	115	60	5.6	1.15	Ball	½"	Marathon	4406	**3K068**
	1725	48Y	115	60	6.1	1.00	Ball	⅝"	Marathon	H682	**5U256**
	1725	48Y	115/230	60/50	4.6/2.3	1.00	Sleeve	⅝"	Century	CB2034AD	**5DVX9**
	1725	48Y	120/240	60/50	5.5-5.6/2.7-2.8	1.00	Ball	⅝"	Marathon	H683	**5U257**
	1725	48Y	120/240	60/50	5.5-5.6/2.7-2.8	1.00	Sleeve	⅝"	Marathon	4805	**3K987**
	1725	48Y	240	60/50	2.7	1.00	Ball	⅝"	Marathon	HG450	**2K457**
½	1725	48Y	115	60	7.2	1.20	Ball	⅝"	Marathon	H926	**5XB87**
	1725	48Y	115/230	60/50	6.8/3.4	1.00	Sleeve	⅝"	Century	CB2054AD	**5DVY0**
¾	1725	48Y	115/230	60	10.4/5.2	1.00	Ball	⅝"	Marathon	HG714	**10A276**
Rigid Base											
¼	1725	48Y	115	60	5.0	1.00	Ball	½"	Marathon	HG679	**5U253**
⅓	1725	48Y	115	60	5.6	1.15	Ball	½"	Marathon	HG680	**5U254**
	1725	48Y	120/240	60/50	5.6/2.8	1.00	Ball	½"	Marathon	H712	**3VG37** *
½	1725	48Y	120/240	60/50	7.1-7.2/3.4-3.6	1.00	Ball	⅝"	Marathon	H684	**5U258**

** Has ½" x 1½" rear shaft extension.*

No. 21AJ16

No. 4UX55

No. 454X49

marathon™ Motors Dayton®

1-Phase Capacitor-Start Pressure Washer Pump Motors

- Enclosure: open dripproof
- Rotation: CW/CCW, except No. 4UX55 is CWSE
- Thermal protection: manual
- Insulation: Class B
- Bearings: double-shielded ball
- Max. ambient temp.: 40°C

Corrosion-resistant; for use in hot and cold water high-pressure washer applications. UL Recognized and CSA Certified.

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Service Factor	Shaft Dia.	Brand	Mfr. Stock No.	Item No.
Face/Base									
¾	1725	56C	115/208-230	11.0/5.4-5.5	1.15	⅝*	Marathon	G381	**21AJ16**
1	1725	56C	115/208-230	13.4/6.8-6.7	1.15	⅝*	Marathon	G382	**21AJ17**
2	3450	56HC	115/230	17.5/8.7	1.15	⅝*	Marathon	K615	**21AJ14**
	1725	56HC	115/230	18.8/9.4	1.15	⅝*	Marathon	K319	**21AJ21**
5	3450	56HCZ	208-230	22.0-20.0	1.15	¾*	Dayton	4UX55	**4UX55** *†
Rigid Base									
1½	1725	56	115/230	13.4/6.7	1.20	⅝*	Marathon	C1299	**5XB83** *
2	3450	56	115/230	17.8/8.9	1.15	⅝*	Marathon	C1269A	**454X49**

** Capacitor-start, capacitor-run. † ¾" x 1⅞" shaft.*

Pro TIP

Reducing Noise Exposure with Administrative and Engineering Controls

Many employers use personal protective equipment (PPE) to reduce employee exposure to damaging sound as their first line of defense. While it may seem simpler to consider PPE for workers when noise levels exceed OSHA's action limit of 85 decibels (dB), employers must first explore other administrative and engineering noise reduction options. And although it's a requirement for employers to evaluate alternatives to hearing protection PPE, administrative and engineering control measures **can also be more cost effective and beneficial.**

Administrative Controls are established by the employer to **reduce worker exposure to a hazard.** One option would be to rotate workers through jobs where excessive noise is present.

Engineering Controls are "Methods of controlling employee exposures by modifying the source or reducing the quantity of contaminants released into the workroom environment" (Fundamentals of Industrial Hygiene, - 6th Edition, published by National Safety Council, 2012). **Equipment maintenance is the first engineering control to consider.** Regular lubrication and replacement of worn bearings, belts, and other machinery components can significantly impact noise levels.

To learn more about reducing worker noise exposure, read the full article, "Reducing Noise Exposure with Administrative and Engineering Controls" at **grainger.com/noiseexposure**

12VDC
No. 6MK98

180VDC
No. 4Z379

Dayton

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

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

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 158 and 159. 90V and 180V models feature a tapped hole on the fan end shaft to mount a No. 6Z392 or No. 5JJ65 pulse generator (see page 159). 56C frame models have a removable base. Find replacement brushes on Grainger.com®. 12V and 24V units are UL Recognized (E57948) and CSA Certified (LR33543); 90V and 180V units are UL Recognized (E47479).

HP	Nameplate RPM	Frame	Enclosure	Full Load Amps	Ins. Class	Overall Length	Item No.
12VDC							
1/4	1800	56C	TENV	21.0	F	10 1/4"	**6MK98**
1/3	1800	56C	TENV	27.0	F	10 3/4"	**6MK99**
1/2	1800	56C	TENV	39.0	H	11 3/4"	**6ML02**
3/4	1800	56C	TEFC	58.0	F	13 5/16"	**6ML04**
1	1800	56C	TEFC	80.0	H	13 13/16"	**6ML06**
24VDC							
1/3	1800	56C	TENV	13.5	F	10 3/4"	**6ML01**
1/2	1800	56C	TENV	20.0	F	11 3/4"	**6ML03**
3/4	1800	56C	TEFC	29.0	F	12 13/16"	**6ML05**
1	1800	56C	TEFC	39.0	H	13 13/16"	**6ML07**
90VDC							
1/4	1750	56C	TEFC	2.5	F	10 13/16"	**2M167**
1/3	1750	56C	TEFC	3.5	F	11 5/16"	**2M509**
1/2	1725	56C	TEFC	5.0	F	11 13/16"	**2M168**
3/4	1725	56C	TEFC	7.6	F	13 13/16"	**2M169**
1	1750	56C	TEFC	10.0	F	14 13/16"	**2M170**
180VDC							
1/2	1725	56C	TEFC	2.5	F	11 13/16"	**4Z524**
3/4	1750	56C	TEFC	3.8	F	13 13/16"	**4Z525**
1	1750	56C	TEFC	5.0	F	14 13/16"	**4Z378**
1 1/2	1750	143/5TC	TEFC	7.5	H	18 5/16"	**4Z379**
3	1750	143/5TC	TEFC	15.0	H	22 5/16"	**6Z791**

No. 4Z248

Dayton

90 and 180VDC Permanent Magnet Motors with Control

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

Control regulates speeds within 1% of nameplate rpm and provides full-wave rectification with adjustable min./max. speed, current/torque limit, IR compensation, fixed acceleration, transient and surge protection, and front-panel fuse protection. No. 41D720 has adjustable min./max. speed and IR compensation. Speed regulation: ±1%. Motors are UL Recognized and CSA Certified; Speed Control is UL and C-UL Listed.

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

Enclosure	AC Input Voltage	HP @ 90VDC	HP @ 180VDC	External Switches	W	H	D	Item No.
Replacement Speed Control								
NEMA 1	120/240VAC	1/4 to 1	1/2 to 2	FWD/OFF/REV	6"	5.13"	6.5"	**41D720** *

Fuse protected.

Dayton

12VDC Permanent Magnet Motor

- Enclosure: totally enclosed nonventilated
- Rotation: CW/CCW
- Insulation: Class A
- Bearings: sleeve
- Max. ambient temp.: 40°C

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	Item No.
1/35	2350	12VDC	3.8	4 7/8"	**3LCH7**

HP	Nameplate RPM	Full Load Torque	Full Load Amps	Ins. Class	Shaft Dia.	Overall Length	Base Mounting O.C.	Face Mounting O.C.	Item No.
12/24VDC									
1/18, 1/44	1800/4300	0.81 in.-lb.	2.4	B	1/4"	5 15/16"	3 3/4 x 1 1/4"	1 3/4 x 1 3/4	**3XE19**
1/9, 1/20	1725/4000	1.81 in.-lb.	5.1	B	5/16"	6 27/64"	4 15/16 x 1 1/4"	1 3/4 x 1 3/4	**3XE20**
1/4, 1/7	1750/3900	5.63 in.-lb.	14.0	B	1/2"	8 3/8"	6 7/16 x 2"	2 5/8 x 2 5/8	**4Z143**
1/6, 1/14	1750/4200	2.56 in.-lb.	6.9	B	1/2"	6 3/8"	4 7/16 x 2"	2 5/8 x 2 5/8	**4Z144**
1/3, 1/6	1800/4200	6.38 in.-lb.	16.2	B	1/2"	9 3/8"	7 7/16 x 2"	2 5/8 x 2 5/8	**4Z529**
90VDC									
1/53	2500	0.5 in.-lb.	0.3	B	1/4"	5 15/16"	3 1/2 x 1 1/4"	1 3/4 x 1 3/4	**3XE21**
1/27	1800	1.3 in.-lb.	0.5	B	5/16"	6 7/16"	4 11/16 x 1 1/4"	1 3/4 x 1 3/4	**3XE22**
1/18	1800	1.95 in.-lb.	0.8	B	1/2"	6 3/8"	4 7/16 x 2"	2 5/8 x 2 5/8	**4Z141**
1/8	1800	4.38 in.-lb.	1.5	B	1/2"	8 3/8"	6 7/16 x 2"	2 5/8 x 2 5/8	**4Z140**
1/6	1800	5.63 in.-lb.	1.8	B	1/2"	9 3/8"	7 7/16 x 2"	2 5/8 x 2 5/8	**4Z528**
180VDC									
1/6	1800	5.63 in.-lb.	0.9	—	1/2"	9 3/8"	7 7/16 x 2"	2 5/8 x 2 5/8	**1Z851**

Dayton

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

No. 3XE19

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

Use with Type K DC rectified power sources matched to voltage (providing form factor does not exceed 1.3); see pages 158 and 159. For adjustable speed controls for 12/24V models, see page 159; for 90V and 180V models, see page 158. UL Recognized.

No. 6AGW5

WEG NEMA Premium

3-Phase IEEE 841 NEMA Premium® Efficient Motors

- Enclosure: totally enclosed fan-cooled
- Rotation: CW/CCW
- Thermal protection: none
- 460V
- Service factor: 1.25
- Insulation: Class F with B temp. rise for longer life
- Inverter rated
- Frame material: cast-iron
- Bearings: regreaseable ball
- Max. ambient temp.: 40°C
- Warranty: 5 yr.

Designed for dusty, dirty, nonhazardous applications, and 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 841-2009 specification and all NEMA Premium/CEE requirements for energy efficiency. UL Recognized, CSA and CE Certified.

HP	Nameplate RPM	Frame	Full Load Amps	Nom. Efficiency	Overall Length	Mfr. Model	Item No.
1	1800	143TC	1.4	85.5%	12⅜"	00118ST3QIE143TC-W22	**12N928**
	1760	143T	1.3	85.5%	12⅜"	00118ST3QIE143T-W22	**6AGU1**
	1200	145TC	1.7	82.5%	13⅜"	00112ST3QIE145TC-W22	**12N929**
1½	3490	143T	1.9	84.0%	12⅜"	00156ST3QIE143T-W22	**6AGU3**
	1800	145TC	2.0	86.5%	13⅜"	00158ST3QIE145TC-W22	**12N930**
	1755	145T	1.9	86.5%	13⅜"	00158ST3QIE145T-W22	**6AGU4**
	1200	182TC	2.3	87.5%	14⅞"	00152ST3QIE182TC-W22	**12N931**
	1165	182T	2.3	87.5%	14⅞"	00152ST3QIE182T-W22	**6AGU5**
2	1800	145TC	2.6	86.5%	13⅜"	00218ST3QIE145TC-W22	**12N932**
	1750	145T	2.6	86.5%	13⅜"	00218ST3QIE145T-W22	**6AGU7**
	1200	184TC	3.2	88.5%	15⅞"	00212ST3QIE184TC-W22	**12N933**
3	3510	182T	3.6	86.5%	14⅞"	00336ST3QIE182T-W22	**6AGU9**
	1800	182TC	3.8	89.5%	14⅞"	00318ST3QIE182TC-W22	**12N934**
	1760	182T	3.8	89.5%	14⅞"	00318ST3QIE182T-W22	**6AGV0**
	1200	213TC	4.4	89.5%	18"	00312ST3QIE213TC-W22	**12N935**
5	3500	184T	5.9	88.5%	15⅞"	00536ST3QIE184T-W22	**6AGV2**
	1800	184TC	6.4	89.5%	15⅞"	00518ST3QIE184TC-W22	**12N936**
	1755	184T	6.4	89.5%	15⅞"	00518ST3QIE184T-W22	**6AGV3**
	1200	215TC	6.8	89.5%	19½"	00512ST3QIE215TC-W22	**12N937**
	1160	215T	6.8	89.5%	19⁹⁄₁₆"	00512ST3QIE215T-W22	**6AGV4**
7½	3520	213T	8.7	89.5%	18⅛"	00736ST3QIE213T-W22	**6AGV5**
	1800	213TC	9.0	91.7%	18"	00718ST3QIE213TC-W22	**12N938**
	1765	213T	9.0	91.7%	18⅛"	00718ST3QIE213T-W22	**6AGV6**
	1200	254TC	9.4	91.0%	23⁵⁄₁₆"	00712ST3QIE254TC-W22	**12N939**
	1175	254T	9.4	91.0%	23¼"	00712ST3QIE254T-W22	**6AGV7**
10	3515	215T	11.6	90.2%	19⁹⁄₁₆"	01036ST3QIE215T-W22	**6AGV8**
	1800	215TC	12.4	91.7%	19½"	01018ST3QIE215TC-W22	**12N940**
	1760	215T	12.4	91.7%	19⁹⁄₁₆"	01018ST3QIE215T-W22	**6AGV9**
	1200	256TC	12.9	91.0%	25"	01012ST3QIE256TC-W22	**12N941**
	1175	256T	12.9	91.0%	25"	01012ST3QIE256T-W22	**6AGW0**
15	3530	254T	17.0	91.0%	23¼"	01536ST3QIE254T-W22	**6AGW1**
	1800	254TC	18.0	92.4%	23⅜"	01518ST3QIE254TC-W22	**12N942**
	1765	254T	18.0	92.4%	23¼"	01518ST3QIE254T-W22	**6AGW2**
	1200	284TC	17.9	91.7%	26⅜"	01512ST3QIE284TC-W22	**12N943**
20	3520	256T	23.2	91.0%	25"	02036ST3QIE256T-W22	**6AGW4**
	1800	256TC	24.1	93.0%	25"	02018ST3QIE256TC-W22	**12N944**
	1765	256T	24.1	93.0%	25"	02018ST3QIE256T-W22	**6AGW5**
	1200	286TC	24.2	91.7%	27⅛"	02012ST3QIE286TC-W22	**12N945**
	1175	286T	24.2	91.7%	27¹⁵⁄₁₆"	02012ST3QIE286T-W22	**6AGW6**
25	3535	284TS	28.5	91.7%	25⅛"	02536ST3QIE284TS-W22	**6AGW7**
	1800	284TC	29.5	93.6%	26⅜"	02518ST3QIE284TC-W22	**12N946**
	1765	284T	29.5	93.6%	26⅛"	02518ST3QIE284T-W22	**6AGW8**
	1200	324TC	30.4	93.0%	29⅝"	02512ST3QIE324TC-W22	**12N947**
30	3535	286TS	33.8	91.7%	26⁹⁄₁₆"	03036ST3QIE286TS-W22	**6AGX0**
	1800	286TC	35.1	93.6%	27⅛"	03018ST3QIE286TC-W22	**12N948**
	1765	286T	35.1	93.6%	27¹⁵⁄₁₆"	03018ST3QIE286T-W22	**6AGX1**
	1200	326TC	35.8	93.0%	31⅛"	03012ST3QIE326TC-W22	**12N949**
	1180	326T	35.8	93.0%	31⅛"	03012ST3QIE326T-W22	**6AGX2**
40	1775	324T	48.2	94.1%	29⅝"	04018ST3QIE324T-W22	**6AGX4**
	1180	364/5T	46.5	94.1%	34¼"	04012ST3QIE364T-W22	**6AGX5**
50	3550	326TS	56.1	93.0%	29⅝"	05036ST3QIE326TS-W22	**6AGX6**
	1775	326T	59.2	94.5%	31⅛"	05018ST3QIE326T-W22	**6AGX7**
	1180	364/5T	57.4	94.1%	34¼"	05012ST3QIE365T-W22	**6AGX8**
60	3600	364/5TS	67.0	93.6%	32¼"	06036ST3QIE364TS-W22	**15G077**
75	3600	364/5TS	81.9	93.6%	32¼"	07536ST3QIE365TS-W22	**15G079**
100	3600	404/5TS	110.0	94.1%	36¾"	10036ST3QIE405TS-W22	**15G082**
	1800	404/5T	111.0	95.4%	39¾"	10018ST3QIERB405T-W2	**15G081**

Face-Mount

Rigid Base-Mount

marathon™ Motors

1-Phase Hazardous Location Motors

- Enclosure: totally enclosed fan-cooled
- Rotation: CW/CCW
- Thermal protection: auto, except thermostat for Nos. 2NLE6 and 2NLE9
- Bearings: ball
- Max. ambient temp.: 40°C

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.

Note: For assistance with hazardous location classification, see page 6.

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Service Factor	Ins. Class	Length Less Shaft	Hazardous Loc. Class & Group	Mfr. Model	Item No.
Capacitor-Start, Face-Mount										
¼	1140	56CZ	115/208-230	6.8/3.1-3.4	1.00	B	11⅞"	1 C,D / 2 E,F,G	056C11G15504	**1TUL4** ‡
⅓	3450	56C	115/208-230	7.0/3.2-3.5	1.00	B	11⅜"	1 C,D / 2 E,F,G	056C34G15521	**1TUK4** *
	1725	56C	115/208-230	6.6/3.1-3.3	1.00	B	11⅜"	1 C,D / 2 E,F,G	056C17G15526	**1TUN8**
½	3450	56C	115/208-230	8.4/4.0-4.2	1.00	B	11⅜"	1 C,D / 2 E,F,G	056C34G15514	**1TUK5**
	1725	56C	115/208-230	8.8/4.2-4.4	1.00	B	11⅞"	1 C,D / 2 E,F,G	056C17G15524	**1TUN9**
¾	3450	56C	115/208-230	10.6/5.3-5.3	1.00	B	11⅞"	1 C,D / 2 E,F,G	056C34G15516	**1TUK6**
	1725	56C	115/208-230	11.0/5.4-5.5	1.00	B	12⅜"	1 C,D / 2 E,F,G	056C17G15530	**1TUP1**
1	3450	56C	115/208-230	12.4/6.7-6.2	1.00	B	12⅜"	1 C,D / 2 E,F,G	056C34G15513	**1TUK7**
	1725	56C	115/208-230	13.4/6.8-6.7	1.00	B	12⅜"	1 C,D / 2 E,F,G	056C17G15516	**1TUK8**
Capacitor-Start/Run, Face-Mount										
½	1140	56CZ	115/208-230	9.6/4.7-4.8	1.00	B	12⅞"	1 C,D / 2 E,F,G	056B11G15506	**1TUL5** ‡
1½	1725	56C	115/208-230	15.6/8.1-7.8	1.15	B	14⅜"	1 C,D / 2 F,G	056B17G15510	**2NLE6**
Capacitor-Start, Face/Base-Mount										
⅓	1725	56C	115/208-230	6.6/3.1-3.3	1.00	B	11⅜"	1 C,D / 2 F,G	056C17G5324	**2NKY9**
½	3450	56C	115/208-230	8.4/4.0-4.2	1.00	B	11⅜"	1 C,D / 2 F,G	056C34G15523	**2NLE7**
	1725	56C	115/208-230	8.8/4.4-4.2	1.15	F	11⅞"	1 C,D / 2 F,G	056C17G5328	**2NKZ1**
¾	3450	56C	115/208-230	10.6/5.3-5.3	1.00	B	11⅞"	1 C,D / 2 F,G	056C34G5314	**2NKZ2**
	1725	56C	115/208-230	11.0/5.4-5.5	1.00	B	12⅜"	1 C,D / 2 F,G	056C17G5326	**2NKZ3**
1	3450	56C	115/208-230	12.4/6.7-6.2	1.00	B	12⅜"	1 C,D / 2 F,G	056C34G15524	**2NLE8**
	1725	56C	115/208-230	13.4/6.8-6.7	1.00	B	12⅜"	1 C,D / 2 F,G	056C17G5327	**2NKZ4**
Capacitor-Start/Run, Face/Base-Mount										
1½	1760	143TC	115/208-230	15.6/8.1-7.8	1.15	B	14⅜"	1 C,D / 2 F,G	143TBGR14033	**2NLE9**
Capacitor-Start, Rigid Base-Mount										
¼	1725	56	115/208-230	4.8/2.3-2.4	1.00	B	10"	1 C,D / 2 E,F,G	056C17E15503	**1TUL8** *
	1725	48	115/230	4.2/2.1	1.00	B	9⅛"	1 D / 2 F,G	5KC36PNB169	**3K793** *
	1140	56	115/208-230	6.8/3.1-3.4	1.00	B	12"	1 C,D / 2 E,F,G	056C11G15502	**1TUL1**
⅓	3450	56	115/208-230	7.0/3.2-3.5	1.00	B	11½"	1 C,D / 2 E,F,G	056C34G15520	**1TUN4**
	1725	56	115/208-230	6.6/3.1-3.3	1.00	B	11½"	1 C,D / 2 E,F,G	056C17G15521	**1TUL9**
	1140	56	115/208-230	7.8/3.6-3.9	1.00	B	12"	1 C,D / 2 E,F,G	056C11G15503	**1TUL2**
½	3450	56	115/208-230	8.4/4.0-4.2	1.00	B	11½"	1 C,D / 2 E,F,G	056C34G15515	**1TUN5**
	1725	56	115/208-230	8.8/4.2-4.4	1.00	B	12"	1 C,D / 2 E,F,G	056C17G15523	**1TUN1**
¾	3450	56	115/208-230	10.6/5.3-5.3	1.00	B	12"	1 C,D / 2 E,F,G	056C34G15517	**1TUN6**
	1725	56	115/208-230	11.0/5.4-5.5	1.00	B	12½"	1 C,D / 2 E,F,G	056C17G15525	**1TUN2**
1	3450	56	115/208-230	12.4/6.7-6.2	1.00	B	12½"	1 C,D / 2 E,F,G	056C34G15518	**1TUN7**
	1725	56H	115/208-230	13.4/6.8-6.7	1.00	B	12⅛"	1 C,D / 2 E,F,G	056C17G15527	**1TUN3**
Capacitor-Start/Run, Rigid Base-Mount										
½	1140	56	115/208-230	9.6/4.7-4.8	1.00	B	13"	1 C,D / 2 E,F,G	056B11G15505	**1TUL3**
1½	1725	56H	208-230	8.1-7.8	1.00	B	14⅛"	1 C,D / 2 E,F,G	056B17G15506	**1TUL6**
Split-Phase, Rigid Base-Mount										
⅙	1140	56	115	3.8	1.00	B	10½"	1 C,D / 2 E,F,G	056S11E15502	**1TUK9** *
¼	1725	56	115	5.4	1.00	B	10"	1 C,D / 2 E,F,G	056S17E15501	**1TUP2** *

**** Totally enclosed nonventilated. ‡ Shaft is ⅝" x 2¼".***

3-Phase Hazardous-Location Motors

marathon™ Motors

- Rotation: CW/CCW
- Bearings: ball
- Temp. code: T3B
- Max. ambient temp.: 40°C
- Duty: continuous

Unmounted conduit box is included with all 56 frame motors. Totally Enclosed Nonventilated motors include an unmounted conduit box. 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.

Note: For assistance with hazardous location classification, see page 6.

Face/Rigid Base-Mount, Cast-Iron, Totally Enclosed Fan-Cooled

Face-Mount, Rolled Steel, Totally-Enclosed Nonventilated

Rigid Base-Mount, Cast-Iron, Totally Enclosed Fan-Cooled

HP	Nameplate RPM	Frame	Thermal Protection	Voltage	Hz	Full Load Amps	Service Factor	Ins. Class	Nom. Efficiency	Hazardous Loc. Class & Group	Mfr. Model	Item No.
Face-Mount, Cast-Iron Frame, Totally Enclosed Fan-Cooled												
3	1765	182/4TC	T-Stat	230/460	60/50	8.0/4.0	1.00	F	89.5%	1 D / 2 F,G	182TTGN4068	**5VYF3**
5	3495	182TC	T-Stat	230/460	60/50	12.4/6.2	1.00	F	88.5%	1 D / 2 F,G	184TTGN16004	**52XR74**
	1755	182TC	T-Stat	230/460	60/50	12.4/6.2	1.00	B	86.5%	1 D / 2 F,G	184TTGN16027	**52XR81**
10	1765	213TC	T-Stat	230/460	60/50	26.6/13.3	1.00	F	93.6%	1 D / 2 F,G	215TTGND16029	**52XR83**
Face-Mount, Rolled Steel Frame, Totally Enclosed Fan-Cooled												
⅓	1725	56C	Auto	230/460	60/50	1.2/0.60	1.00	B	87.5%	1 C,D / 2 E,F,G	056T17E15515	**1TUE9**
½	3450	56C	Auto	208-230/460	60	2.1-2.4/1.2	1.00	B	66.5%	1 C,D / 2 E,F,G	056T34G15545	**1TTZ9**
	1725	56C	Auto	230/460	60/50	2.4/1.2	1.00	B	85.5%	1 C,D / 2 E,F,G	056T17G15536	**1TUG1**
	1140	56C	Auto	208-230/460	60	2.4-2.7/1.35	1.15	B	85.5%	1 C,D / 2 E,F,G	056T11G15512	**1TUA1**
¾	3450	56C	Auto	230/460	60	3.0-3.2/1.6	1.15	B	74.0%	1 C,D / 2 E,F,G	056T34G15541	**1TUA2**
	1725	56C	Auto	230/460	60/50	3.0/1.5	1.00	B	86.5%	1 C,D / 2 E,F,G	056T17G15537	**1TUG2**
	1140	56C	Auto	230/460	60	3.2-3.2/1.6	1.15	B	85.5%	1 C,D / 2 E,F,G	056T11G15513	**1TUA3**
Face-Mount, Rolled Steel Frame, Totally Enclosed Nonventilated												
¼	1725	56C	T-Stat	208-230/460	60	1.1-1.1/0.55	1.00	B	87.5%	1 C,D / 2 F,G	056T17E5310	**39P314**
Rigid Base-Mount, Cast-Iron Frame, Totally Enclosed Fan-Cooled												
1	1735	143TC	T-Stat	230/460	60/50	3.0-3.0/1.5	1.15	F	86.5%	1 D / 2 F,G	143TTGN6551	**39P309**
	1735	143T	T-Stat	230/460	60	3.0/1.5	1.15	F	85.5%	1 C,D / 2 F,G	143TTGN6532	**39P279**
	1155	145T	T-Stat	230/460	60/50	3.6/1.8	1.15	F	82.5%	1 D / 2 F,G	145TTGN6576	**39P280**
1½	3515	143T	T-Stat	230/460	60/50	4.0/2.0	1.15	F	85.5%	1 D / 2 F,G	143TTGN6501	**39P281**
	1755	145TC	T-Stat	230/460	60/50	4.6/2.3	1.15	F	86.5%	1 D / 2 F,G	145TTGN6536	**39P310**
	1755	145T	T-Stat	230/460	60/50	4.6/2.3	1.15	F	86.5%	1 C,D / 2 F,G	145TTGN16532	**39P282**
	1175	182/4T	T-Stat	230/460	60/50	4.4/2.2	1.15	F	87.5%	1 D / 2 F,G	182TTGN6576	**5VYF2**
2	3500	145T	T-Stat	230/460	60/50	5.2/2.6	1.15	F	86.5%	1 D / 2 F,G	145TTGN6501	**39P283**
	1760	145T	T-Stat	230/460	60	6.0/3.0	1.15	F	86.5%	1 C,D / 2 F,G	145TTGN6550	**39P284**
	1755	145TC	T-Stat	230/460	60/50	6.0/3.0	1.15	F	86.5%	1 D / 2 F,G	145TTGN6549	**39P311**
3	3525	182/4T	T-Stat	230/460	60/50	7.6/3.8	1.15	F	87.5%	1 D / 2 F,G	182TTGN6501	**5VYF0**
	1765	182/4T	T-Stat	230/460	60	8.0/4.0	1.00	B	75.5%	1 C,D / 2 F,G	182TTGN16542	**5VYE9**
	1170	213/5T	T-Stat	230/460	60/50	8.8/4.4	1.15	F	90.2%	1 D / 2 F,G	213TTGN6576	**5VYG2**
5	3505	182/4T	T-Stat	230/460	60/50	11.8/5.9	1.15	F	88.5%	1 D / 2 F,G	184TTGN6501	**5VYF5**
	1755	182/4T	T-Stat	230/460	60/50	12.4/6.2	1.15	F	88.5%	1 C,D / 2 F,G	184TTGN6526	**5VYF4**
	1170	215T	T-Stat	230/460	60/50	13.8/6.9	1.15	F	89.5%	1 D / 2 F,G	215TTGND6576	**482R15**
7½	3525	213T	T-Stat	230/460	60/50	18.2/9.1	1.15	F	89.5%	1 D / 2 F,G	213TTGND6501	**482P88**
	1175	254T	T-Stat	230/460	60/50	19.8/9.9	1.15	F	92.4%	1 C,D / 2 F,G	254TTGN6576	**5VYG7**
10	1765	215T	None	230/460	60	26.6/13.3	1.15	F	91.7%	1 C,D / 2 F,G	215TTGND6526	**454X77**
	1765	215TC	T-Stat	230/460	60/50	26.6/13.3	1.15	F	91.7%	1 C,D / 2 F,G	215TTGND6528	**482R13**
	1180	256T	T-Stat	230/460	60/50	26.2/13.1	1.15	F	89.5%	1 C,D / 2 F,G	256TTGN6576	**5VYG9**
15	3550	254T	T-Stat	230/460	60/50	35.0/17.5	1.15	F	94.1%	1 C,D / 2 F,G	254TTGN6507	**6KWG6**
	1775	254T	T-Stat	230/460	60/50	37.5/18.8	1.15	F	94.1%	1 C,D / 2 F,G	254TTGN6531	**5VYG6**
	1180	284T	T-Stat	230/460	60/50	41.0/20.4	1.15	F	94.5%	1 C,D / 2 F,G	284TTGN6576	**5VYH0**
20	3540	256T	T-Stat	230/460	60/50	47.0/23.4	1.15	F	94.1%	1 C,D / 2 F,G	256TTGN16509	**5VYG8**
	1775	256T	T-Stat	230/460	60/50	48.0/24.1	1.15	F	90.2%	1 C,D / 2 F,G	256TTGN6531	**6KWG9**
	1175	284/6T	T-Stat	230/460	60	53.5/26.8	1.15	F	94.5%	1 C,D / 2 F,G	286TTGN16577	**5VYH1**
25	3560	284TS	T-Stat	230/460	60/50	57.5/28.8	1.15	F	94.5%	1 C,D / 2 F,G	284TSTGN6503	**6KWH1**
	1770	284T	T-Stat	230/460	60/50	62.0/31.0	1.15	F	94.5%	1 C,D / 2 F,G	284TTGN6533	**6KWH2**
	1180	324T	T-Stat	230/460	60/50	65.0/32.5	1.15	F	95.8%	1 C,D / 2 F,G	324TTGS16577	**5VYH6**
30	3555	286TS	T-Stat	230/460	60/50	67.0/33.5	1.15	F	93.6%	1 C,D / 2 F,G	286TSTGN6501	**6KWH4**
	1180	324/6T	T-Stat	230/460	60/50	77.0/38.5	1.15	F	95.8%	1 C,D / 2 F,G	326TTGS6578	**5VYJ0**
40	3545	324TS	T-Stat	230/460	60/50	94.0/47.0	1.15	F	95.4%	1 C,D / 2 F,G	324TSTGS6501	**6KWH5**
	1780	324T	T-Stat	230/460	60/50	95.0/47.5	1.15	F	95.4%	1 C,D / 2 F,G	324TTGS6529	**6KWH6**
	1185	364T	T-Stat	230/460	60/50	100.0/50.0	1.15	F	72.4%	1 C,D / 2 F,G	364TTGS16577	**5VYJ1**
50	3555	326TS	T-Stat	230/460	60/50	118.0/59.0	1.15	F	95.8%	1 C,D / 2 F,G	326TSTGS6501	**5VYH7**
	1780	324/6T	T-Stat	230/460	60/50	123.0/61.5	1.15	F	95.8%	1 C,D / 2 F,G	326TTGS6532	**5VYH8**
	1180	365T	T-Stat	230/460	60	123.0/61.5	1.15	F	82.6%	1 C,D / 2 F,G	365TTGS16577	**5VYJ2**
Rigid Base-Mount, Rolled Steel Frame, Totally Enclosed Fan-Cooled												
⅓	1725	56	Auto	230/460	60/50	1.2/0.60	1.00	B	85.5%	1 C,D / 2 E,F,G	056T17E15516	**1TUE4**
	1140	56	Auto	208-230/460	60	1.5-1.5/0.75	1.15	B	76.5%	1 C,D / 2 E,F,G	056T11G15515	**1TUD1**
½	3450	56	Auto	208-230/460	60	2.1-2.4/1.2	1.00	B	66.5%	1 C,D / 2 E,F,G	056T34G15543	**1TUD2**
	1725	56	Auto	208-230/460	60/50	2.3-2.4/1.2	1.00	B	86.5%	1 C,D / 2 E,F,G	056T17G15550	**1TUE5**
	1140	56	Auto	208-230/460	60	2.4-2.7/1.3	1.15	B	82.5%	1 C,D / 2 E,F,G	056T11G15517	**1TUD3**
¾	3450	56	Auto	230/460	60	3.0-3.2/1.6	1.15	B	74.0%	1 C,D / 2 E,F,G	056T34G15539	**1TUD4**
	1725	56	Auto	230/460	60/50	3.0/1.5	1.00	B	86.5%	1 C,D / 2 E,F,G	056T17G15551	**1TUE6**
	1140	56H	Auto	230/460	60	3.2-3.2/1.6	1.15	B	81.1%	1 C,D / 2 E,F,G	056T11G15518	**1TUD6**
1	1765	143T	T-Stat	230/460	60	3.3/1.65	1.00	B	81.5%	1 C,D / 2 E,F,G	143TTGR16026	**6KWE7**
	1725	56H	Auto	208-230/460	60	3.3-3.2/1.6	1.00	B	86.5%	1 C,D / 2 E,F,G	056T17G15604	**407M09**
1½	3515	145T	T-Stat	230/460	60	4.0/2.0	1.00	F	92.1%	1 C,D / 2 E,F,G	145TTGR16005	**6KWG0**
	1755	145T	T-Stat	230/460	60	4.6/2.3	1.15	F	81.5%	1 C,D / 2 E,F,G	145TTGR16038	**6KWF5**
	1725	56H	Auto	230/460	60	4.8/2.4	1.15	B	85.5%	1 C,D / 2 E,F,G	056T17G15606	**407M10**
2	3500	145T	T-Stat	230/460	60	5.0/2.5	1.15	F	91.7%	1 C,D / 2 E,F,G	145TTGR16002	**6KWF0**
	1760	145T	T-Stat	230/460	60	6.0/3.0	1.15	F	75.5%	1 C,D / 2 E,F,G	145TTGR16040	**6KWF6**
	1725	56H	Auto	230/460	60	6.0/3.0	1.15	B	86.5%	1 C,D / 2 E,F,G	056T17G15608	**407M08**
Rigid Base-Mount, Rolled Steel Frame, Totally Enclosed Nonventilated												
¼	1735	48	T-Stat	230/460	60	1.2/0.60	1.00	B	87.5%	1 D / 2 F,G	5K32GNB249	**39P312**
	1725	56	T-Stat	208-230/460	60	1.1-1.1/0.55	1.00	B	87.5%	1 C,D / 2 F,G	056T17E5308	**39P313**

Find Motor Selection Guidelines on pg. 3, or use MotorMatch® at grainger.com/motors

3-Phase NEMA Premium® Efficient Cooling Tower Motors

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

F1 Conduit Box Position

F2 Conduit Box Position

- Enclosure: totally enclosed fan-cooled
- Rotation: CW/CCW
- Thermal protection: none
- Service factor: 1.25
- Insulation: Class F, with B temperature rise for longer life
- Inverter rated
- Mounting: rigid base
- Frame material: cast-iron
- Bearings: ball
- Max. ambient temp.: 40°C
- Usable at 208V
- 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. 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. 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.

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Nom. Efficiency	Overall Length	Mfr. Model	Item No.
F1 Conduit Box Position								
1	1760	143T	230/460	2.8/1.4	85.5%	13⅜"	00118ET3ECT143TF1-W2	**19C670**
1½	1755	145T	200	4.7	86.5%	13⅜"	00158ET3PCT145TF1-W2	**19C671**
	1755	145T	230/460	4.04/2.02	86.5%	13⅜"	00158ET3ECT145TF1-W2	**19C672**
2	1750	145T	200	6.0	86.5%	13⅜"	00218ET3PCT145TF1-W2	**19C673**
	1750	145T	230/460	5.2/2.6	86.5%	13⅜"	00218ET3ECT145TF1-W2	**19C674**
3	1760	182T	200	8.9	89.5%	14⅞"	00318ET3PCT182TF1-W2	**19C675**
	1760	182T	230/460	7.8/3.9	89.5%	14⅞"	00318ET3ECT182TF1-W2	**19C676**
5	1755	184T	200	14.8	89.5%	15⅞"	00518ET3PCT184TF1-W2	**19C677**
	1755	184T	230/460	14.3/12.9-6.45	89.5%	15⅞"	00518ET3ECT184TF1-W2	**19C678**
7½	1765	213T	200	20.7	91.7%	18"	00718ET3PCT213TF1-W2	**19C679**
	1765	213T	230/460	18.0/9.0	91.7%	18"	00718ET3ECT213TF1-W2	**19C680**
10	1760	215T	200	28.5	91.7%	19½"	01018ET3PCT215TF1-W2	**19C681**
	1760	215T	230/460	24.8/12.4	91.7%	19½"	01018ET3ECT215TF1-W2	**19C682**
	1175	256T	230/460	25.8/12.9	91.0%	25"	01012ET3ECT256TF1-W2	**19C683**
15	1765	254T	200	41.4	92.4%	23¼"	01518ET3PCT254TF1-W2	**19C684**
	1765	254T	230/460	36.0/18.0	92.4%	23¼"	01518ET3ECT254TF1-W2	**19C685**
20	1765	256T	200	55.4	93.0%	25"	02018ET3PCT256TF1-W2	**19C686**
	1765	256T	230/460	48.2/24.1	93.0%	26⁷⁄₁₆"	02018ET3ECT256TF1-W2	**19C687**
25	1765	284T	200	67.9	93.6%	26⁷⁄₁₆"	02518ET3PCT284TF1-W2	**19C688**
	1765	284T	230/460	59.0/29.5	93.6%	26⁷⁄₁₆"	02518ET3ECT284TF1-W2	**19C689**
30	1765	286T	200	80.7	93.6%	27⅞"	03018ET3PCT286TF1-W2	**19C690**
	1765	286T	230/460	70.2/35.1	93.6%	27⅞"	03018ET3ECT286TF1-W2	**19C691**
40	1775	324T	200	111.0	94.1%	29⅝"	04018ET3PCT324TF1-W2	**19C692**
	1775	324T	230/460	96.4/48.2	94.1%	29⅝"	04018ET3ECT324TF1-W2	**19C693**
F2 Conduit Box Position								
1	1765	143T	230/460	2.82/1.45	85.5%	13⅜"	00118ET3ECT143T-W22	**6EGP2**
	1150	145T	230/460	3.5/1.75	82.5%	13⅜"	00112ET3ECT145T-W22	**6EGP3**
1½	1760	145T	230/460	4.0/2.0	86.5%	13⅜"	00158ET3ECT145T-W22	**6EGP4**
	1165	182T	230/460	4.8/2.4	87.5%	14⅞"	00152ET3ECT182T-W22	**6EGP5**
2	1755	145T	230/460	5.2/2.6	86.5%	13⅜"	00218ET3ECT145T-W22	**6EGP6**
	1165	184T	230/460	6.5/3.25	88.5%	15⅞"	00212ET3ECT184T-W22	**6EGP7**
3	1760	182T	230/460	7.8/3.9	89.5%	14⅞"	00318ET3ECT182T-W22	**6EGP8**
	1170	213T	230/460	8.8/4.4	89.5%	18⅛"	00312ET3ECT213T-W22	**6EGP9**
5	1755	184T	200	14.8	89.5%	15⅞"	00518ET3PCT184T-W22	**6EGR0**
	1755	184T	230/460	12.8/6.4	89.5%	15⅞"	00518ET3ECT184T-W22	**6EGR1**
	1160	215T	200	15.7	89.5%	19⁹⁄₁₆"	00512ET3PCT215T-W22	**6EGR2**
	1160	215T	230/460	13.7/6.8	89.5%	19⁹⁄₁₆"	00512ET3ECT215T-W22	**6EGR3**
7½	1770	213T	200	20.7	91.7%	18⅛"	00718ET3PCT213T-W22	**6EGR4**
	1770	213T	230/460	19.9-18/9	91.7%	18⅛"	00718ET3ECT213T-W22	**6EGR5**
	1170	254T	200	22.4	91.0%	23¼"	00712ET3PCT254T-W22	**6EGR6**
	1170	254T	230/460	21.0-19.0/9.5	91.0%	23¼"	00712ET3ECT254T-W22	**6EGR7**
10	1765	215T	200	28.5	91.7%	19⁹⁄₁₆"	01018ET3PCT215T-W22	**6EGR8**
	1765	215T	230/460	25.2/12.6	91.7%	19⁹⁄₁₆"	01018ET3ECT215T-W22	**6EGR9**
	1170	256T	200	29.7	91.0%	25"	01012ET3PCT256T-W22	**6EGT0**
	1170	256T	230/460	26.5/12.9	91.0%	25"	01012ET3ECT256T-W22	**6EGT1**
15	1765	254T	200	41.4	92.4%	23¼"	01518ET3PCT254T-W22	**6EGT2**
	1765	254T	230/460	36.0/18.0	92.4%	23¼"	01518ET3ECT254T-W22	**6EGT3**
	1180	284T	200	41.2	91.7%	26⁷⁄₁₆"	01512ET3PCT284T-W22	**6EGT4**
	1180	284T	230/460	35.8/17.9	91.7%	26⁷⁄₁₆"	01512ET3ECT284T-W22	**6EGT5**
20	1765	256T	200	55.4	93.0%	25"	02018ET3PCT256T-W22	**6EGT6**
	1765	256T	230/460	48.2/24.1	93.0%	25"	02018ET3ECT256T-W22	**6EGT7**
	1180	286T	200	55.7	91.7%	28"	02012ET3PCT286T-W22	**6EGT8**
	1180	286T	230/460	48.4/24.2	91.7%	28"	02012ET3ECT286T-W22	**6EGT9**
25	1770	284T	200	67.9	93.6%	26⁷⁄₁₆"	02518ET3PCT284T-W22	**6EGU0**
	1765	284T	230/460	59.0/29.5	93.6%	26⁷⁄₁₆"	02518ET3ECT284T-W22	**6EGU1**
	1175	324T	200	69.9	93.0%	29⅝"	02512ET3PCT324T-W22	**6EGU2**
	1175	324T	230/460	60.8/30.4	93.0%	29⅝"	02512ET3ECT324T-W22	**6EGU3**
30	1765	286T	200	80.7	93.6%	28"	03018ET3PCT286T-W22	**6EGU4**
	1765	286T	230/460	70.2/35.1	93.6%	28"	03018ET3ECT286T-W22	**6EGU5**
	1175	326T	200	82.2	93.0%	31⅛"	03012ET3PCT326T-W22	**6EGU6**
	1175	326T	230/460	71.6/35.8	93.0%	31⅛"	03012ET3ECT326T-W22	**6EGU7**
40	1775	324T	230/460	96.5/48.3	94.1%	29⅝"	04018ET3ECT324T-W22	**6EGU8**
	1185	364T	230/460	94.2/47.1	94.1%	33⅛"	04012ET3ECT364T-W22	**6EGU9**
50	1780	326T	230/460	118.0/59.2	94.5%	31⅛"	05018ET3ECT326T-W22	**6EGV0**
	1180	365T	230/460	115.0/57.4	94.1%	34¼"	05012ET3ECT365T-W22	**6EGV1**
60	1780	364T	230/460	137.0/68.4	95.0%	34¼"	06018ET3ECT364T-W22	**6EGV2**
	1180	404T	230/460	141.0/70.4	94.5%	39¾"	06012ET3ECT404T-W22	**6EGV3**
75	1775	365T	230/460	168.0/84.1	95.4%	34¼"	07518ET3ECT365T-W22	**6EGV4**
	1180	405T	230/460	170.0/84.9	94.5%	39¾"	07512ET3ECT405T-W22	**6EGV5**
100	1775	405T	230/460	222.0/111.0	95.4%	39¾"	10018ET3ECT405T-W22	**6EGV6**
	1190	444T	230/460	242.0/121.0	95.0%	45¼"	10012ET3ECT444T-W22	**6EGV7**

1- and 3-Phase Stainless Steel Washdown Motors

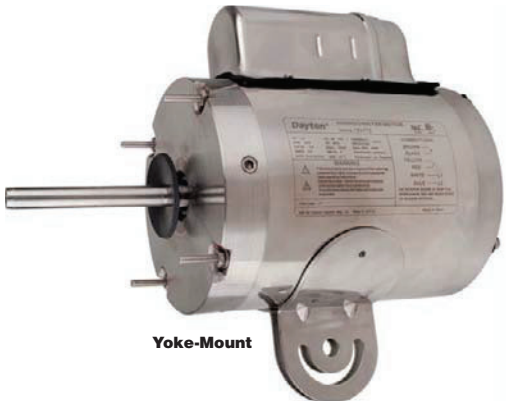
- Rotation: CW/CCW
- Thermal protection: none, except Nos. 12V772 to 12V775 are auto
- Insulation: Class F
- Bearings: ball
- Max. ambient temp.: 40°C

1-phase models are built to comply with NEMA MG1-1.26.6. 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	Frame	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Shaft Dia.	Shaft Length	Overall Length	Item No.
1-Phase										
Totally Enclosed Fan-Cooled, Face-Mount										
¾	1745	56C	115/208-230	7.6/4.0-3.8	1.15	78.0%	⅝"	1⅞"	13⅛"	**11G244**
1	1745	56C	115/208-230	11.2 /5.8-5.6	1.15	66.0%	⅝"	1⅞"	13⅜"	**11G245**
1½	1745	56C	115/208-230	14.8/7.6-7.4	1.15	81.0%	⅝"	1⅞"	14⅜"	**11G246**
2	3450	56C	208-230	8.9-7.4	1.15	83.0%	⅝"	1⅞"	14⅜"	**11G247**
	1745	56C	208-230	9.9-8.5	1.00	80.0%	⅝"	1⅞"	14⅞"	**11G248**
Totally Enclosed Fan-Cooled, Face/Base-Mount										
½	1745	56HC	115/208-230	5.0/2.6-2.5	1.15	77.3%	⅝"	1⅞"	13⅛"	**11G252**
¾	1745	56HC	115/208-230	7.6/4.0-3.8	1.15	78.0%	⅝"	1⅞"	13⅛"	**11G253**
1	1745	56HC	115/208-230	11.2 /5.8-5.6	1.15	66.0%	⅝"	1⅞"	13⅜"	**11G254**
1½	1745	56HC	115/208-230	14.8/7.6-7.4	1.15	81.0%	⅝"	1⅞"	14⅜"	**11G255**
2	3450	56HC	208-230	8.9-7.9	1.15	83.0%	⅝"	1⅞"	14⅜"	**11G256**
	1745	56HC	208-230	9.9-8.5	1.00	80.0%	⅝"	1⅞"	14⅞"	**11G257**
Totally Enclosed Air-Over, Yoke-Mount										
¼	1075	48YZ	115	3.5	1.00	55.3%	½"	4 1⁄16"	11 9⁄16"	**12V772**
½	1075	48YZ	115	5.8	1.00	63.3%	⅝"	4 1⁄16"	12 9⁄16"	**12V775**
3-Phase, Inverter Duty, 10:1 Variable and 6:1 Constant Torque										
Totally Enclosed Nonventilated, Face-Mount										
½	1745	56C	208-230/460	1.8-1.6/0.8	1.15	82.5%	⅝"	1⅞"	9¾"	**6WY53**
	1155	56C	208-230/460	1.9-1.8/0.9	1.15	80.0%	⅝"	1⅞"	9¾"	**6WY51**
¾	1745	56C	208-230/460	2.3-2.2/1.1	1.15	82.5%	⅝"	1⅞"	9¾"	**6WY55**
	1155	56C	208-230/460	3.8-3.7/1.85	1.15	80.0%	⅝"	1⅞"	11 5⁄16"	**6WY54**
1	1740	56C	230/460	3.0/1.5	1.15	85.5%	⅝"	1⅞"	11 5⁄16"	**6WY57**
Totally Enclosed Nonventilated, Face/Base-Mount										
⅓	3500	56C	208-230/460	1.2-1.1/0.55	1.15	74.0%	⅝"	1⅞"	9⅜"	**6WY29**
	1745	56C	208-230/460	1.4-1.2/0.6	1.15	82.5%	⅝"	1⅞"	9⅞"	**6WY28**
½	3460	56C	208-230/460	1.6-1.5/0.75	1.15	77.0%	⅝"	1⅞"	9⅜"	**6WY32**
	1745	56C	208-230/460	1.8-1.6/0.8	1.15	82.5%	⅝"	1⅞"	9⅞"	**6WY31**
	1155	56C	208-230/460	1.9-1.8/0.9	1.15	80.0%	⅝"	1⅞"	9⅞"	**6WY30**
¾	3500	56C	208-230/460	2.3-2.2/1.1	1.15	80.0%	⅝"	1⅞"	9⅜"	**6WY35**
	1745	56C	208-230/460	2.3-2.2/1.1	1.15	82.5%	⅝"	1⅞"	9⅞"	**6WY34**
	1155	56HC	208-230/460	3.8-3.7/1.85	1.15	80.0%	⅝"	1⅞"	11 7⁄16"	**6WY33**
1	1740	56HC	230/460	3.0/1.5	1.15	85.5%	⅝"	1⅞"	11 7⁄16"	**6WY38**
3-Phase, Inverter Duty, 10:1 Variable and 3:1 Constant Torque										
Totally Enclosed Fan-Cooled, Face-Mount										
1	1750	143TC	230/460	2.9/1.45	1.15	85.5%	⅞"	2¼"	13¼"	**6WY58**
	1165	56C	230/460	4.0/2.0	1.15	82.5%	⅝"	1⅞"	13¼"	**6WY56**
1½	1750	145TC	230/460	4.6/2.3	1.15	86.5%	⅞"	2¼"	13¼"	**6WY60**
	1750	56C	230/460	4.0/2.0	1.15	86.5%	⅝"	1⅞"	13¼"	**6WY59**
2	1750	145TC	230/460	6.0/3.0	1.15	86.5%	⅞"	2¼"	13¼"	**6WY61**
	1750	56C	230/460	6.0/3.0	1.15	86.5%	⅝"	1⅞"	13¼"	**6WY62**
Totally Enclosed Fan-Cooled, Face/Base-Mount										
1	3470	56HC	230/460	2.8/1.4	1.15	77.0%	⅝"	1⅞"	11⅝"	**6WY40**
	1750	143TC	230/460	3.0/1.5	1.15	85.5%	⅞"	2¼"	13 13⁄16"	**4GPR9**
	1165	145TC	230/460	4.0/2.0	1.15	82.5%	⅞"	2¼"	12 9⁄16"	**4GPT1**
	1165	56HC	230/460	4.0/2.0	1.15	82.5%	⅝"	1⅞"	13¼"	**6WY36**
1½	3480	56HC	230/460	4.0/2.0	1.15	84.0%	⅝"	1⅞"	13¼"	**6WY44**
	1750	145TC	230/460	4.0/2.0	1.15	86.5%	⅞"	2¼"	12 9⁄16"	**4GPT2**
	1750	56HC	230/460	4.0/2.0	1.15	86.5%	⅝"	1⅞"	13¼"	**6WY42**
2	3480	145TC	230/460	4.8/2.4	1.15	85.5%	⅞"	2¼"	13 13⁄16"	**4GPT3**
	3480	56HC	230/460	4.8/2.4	1.15	85.5%	⅝"	1⅞"	13¼"	**6WY48**
	1750	145TC	230/460	6.0/3.0	1.15	86.5%	⅞"	2¼"	13 13⁄16"	**4GPT4**
	1750	56HC	230/460	6.0/3.0	1.15	86.5%	⅝"	1⅞"	13¼"	**6WY46**
3-Phase, Inverter Duty, 10:1 Variable and 4:1 Constant Torque										
Totally Enclosed Fan-Cooled, Face/Base-Mount										
3	3510	182TC	230/460	8.1/4.05	1.15	86.5%	1⅛"	2¾"	16 15⁄16"	**2RKY6**
	1765	182TC	230/460	8.0/4.0	1.15	89.5%	1⅛"	2¾"	16 15⁄16"	**2RKY5**
5	3525	184TC	230/460	12.2/6.1	1.15	88.5%	1⅛"	2¾"	16 15⁄16"	**2RKY8**
	1765	184TC	230/460	12.5/6.25	1.15	89.5%	1⅛"	2¾"	16 15⁄16"	**2RKY7**
7½	1755	213TC	230/460	18.6/9.3	1.15	91.7%	1⅜"	3⅜"	21½"	**2RKY9**
10	3525	215TC	230/460	24.4/12.2	1.15	90.2%	1⅜"	3⅜"	22 5⁄16"	**2RKZ3**
	1760	215TC	230/460	24.4/12.2	1.15	91.7%	1⅜"	3⅜"	22 5⁄16"	**2RKZ2**
15	3540	254TC	230/460	37.0/18.5	1.15	91.0%	1⅝"	4"	23¾"	**2RKZ5**
20	3540	256TC	230/460	46.0/23.0	1.15	91.0%	1⅝"	4"	22 5⁄16"	**2RKZ7**

Face-Mount

Face/Base-Mount



Yoke-Mount

3-Phase Wet Environment/Car Wash Motors

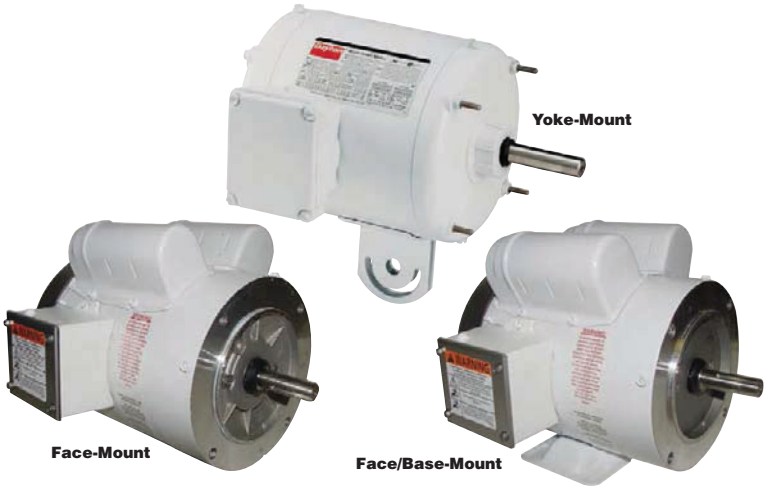
marathon™ Motors

- Enclosure: totally enclosed fan-cooled
- Rotation: CW/CCW
- Thermal protection: auto
- Insulation: Class B
- Mounting: face
- Bearings: double-sealed ball
- Max. ambient temp.: 40°C

Use when frequent high-pressure washdown is required. Motors feature 303 stainless steel shafts with contact lip seal and V-ring slinger. UL Recognized and CSA Certified. Nos. 53DE48 to 53DE50 are also CE Certified.

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Item No.
¾	1725	56C	230/460	3.0/1.5	1.15	77.0%	**5XB84**
1	1760	56C	230/460	3.2/1.6	1.15	66.5%	**53DE48**
1½	1750	56C	230/460	4.8/2.4	1.15	72.5%	**53DE50**
2	1745	56C	230/460	5.8/2.9	1.00	72.5%	**53DE49**

No. 5XB84



Dayton marathon Motors

1-Phase Washdown Motors

- Rotation: CW/CCW
- Thermal protection: auto on PSC motors; none on capacitor-start
- Insulation: Class F
- Bearings: ball
- Max. ambient temp.: 40°C
- Duty: continuous

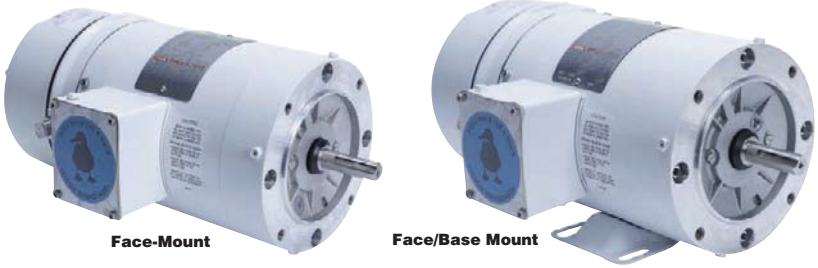
Built to comply with NEMA standard MG1-1.26.6 for washdown motors. 303 stainless steel shaft. V-ring rotating seal. Double-sealed, oversize bearings and spring-loaded contact seals in each endshield are lubricated with moisture-resistant grease. Conduit boxes have drains to shed excess moisture. White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

HP	Nameplate RPM	Frame	Enclosure	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Shaft Dia.	Shaft Length	Length Less Shaft	Brand	Item No.
Permanent Split Capacitor, Yoke-Mount												
¼	1700	56YZ	TEAO	115/230	4.9/2.5	1.00	57.6%	½"	3"	7⅞"	Dayton	**5M063**
⅓	1700	56YZ	TEAO	115/230	3.5/1.7	1.00	60.8%	½"	3"	7⅞"	Dayton	**5M062**
½	1700	56YZ	TEAO	115/230	5.9/2.9	1.00	68.7%	⅝"	3"	7⅞:	Dayton	**5M061**
Capacitor-Start, Face-Mount												
½	3450	56C	TEFC	115/208-230	7.6/4.0-3.8	1.15	63.0%	⅝"	1 15⁄16"	8¾"	Marathon	**1TUR1**
	1725	56C	TEFC	115/208-230	8.8/4.1-4.4	1.15	66.0%	⅝"	1⅞"	9¼"	Marathon	**1TUR5**
¾	3450	56C	TEFC	115/208-230	10.0/5.2-5.0	1.15	64.0%	⅝"	1⅞"	9¼"	Marathon	**1TUR2**
	1725	56C	TEFC	115/208-230	10.8/5.6-5.4	1.15	70.0%	⅝"	1⅞"	9¾"	Marathon	**1TUR7**
1	3450	56C	TEFC	115/208-230	12.0/6.2-6.0	1.15	70.0%	⅝"	1⅞"	9¾"	Marathon	**1TUR3**
	1725	56C	TEFC	115/208-230	12.8/6.6-6.4	1.15	75.0%	⅝"	1⅞"	10¼"	Marathon	**1TUR6**
Capacitor-Start/Run, Face-Mount												
2	1740	56C	TEFC	115/208-230	20.0/10.2-10.0	1.15	80.0%	⅝"	1⅞"	11¾"	Marathon	**1TUP9**
Capacitor-Start, Face/Base-Mount												
½	1725	56C	TEFC	115/208-230	8.8/4.4	1.15	66.0%	⅝"	1⅞"	9¼"	Marathon	**1TUP4**
¾	1725	56C	TEFC	115/208-230	10.8/5.4	1.15	70.0%	⅝"	1⅞"	9¾"	Marathon	**1TUP5**
	3450	56C	TEFC	115/208-230	10.0/5.2-5.0	1.15	64.0%	⅝"	1⅞"	9¼"	Marathon	**1TUR4**
1	1725	56HC	TEFC	115/208-230	12.8/6.4	1.15	75.0%	⅝"	1⅞"	10¼"	Marathon	**1TUP6**
Capacitor-Start/Run, Face/Base-Mount												
1½	1740	56HC	TEFC	115/208-230	14.8/7.8-7.4	1.15	80.0%	⅝"	1⅞"	11¼"	Marathon	**1TUP7**
2	1740	56HC	TEFC	115/208-230	20.0/10.2-10.0	1.15	80.0%	⅝"	1⅞"	11¾"	Marathon	**1TUP8**

Find the Right Motor

Grainger's easy-to-use online **MotorMatch® Selection Guide** can quickly help you find the right motor for your needs.

Go to **grainger.com/motors**



LEESON

3-Phase Washdown Brake Motors

- Rotation: CW/CCW
- Service factor: 1.15
- Insulation: Class F
- Bearings: ball
- Max ambient temp.: 40°C
- Duty: continuous

Built to comply with NEMA standard MG1-1.26.6 for washdown motors. Features 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. UL Recognized, CSA Certified, and USDA Approved paint finish.

HP	Nameplate RPM	Frame	Enclosure	Voltage	Full Load Amps	Nom. Efficiency	Shaft Dia.	Shaft Length	Length Less Shaft	Includes	Item No.
Face-Mount											
⅓	1725	56C	TENV	230/460	1.3/0.65	72.0%	⅝"	1⅞"	12⅛"	3 ft.-lb. Brake	**48ZF16**
½	1725	56C	TENV	230/460	1.8/0.90	78.5%	⅝"	1⅞"	12⅝"	3 ft.-lb. Brake	**48ZF17**
¾	1725	56C	TENV	230/460	2.5/1.25	80.0%	⅝"	1⅞"	13⅛"	6 ft.-lb. Brake	**48ZF18**
1	1740	143TC	TENV	230/460	2.8/1.4	85.5%	⅞"	2"	15⅜"	6 ft.-lb. Brake	**48ZF19**
	1725	56C	TENV	230/460	2.8/1.4	85.5%	⅝"	2"	15 7⁄16"	6 ft.-lb. Brake	**48ZF20**
1½	1740	145TC	TEFC	230/460	4.8/2.4	86.5%	⅞"	2⅛"	16⅜"	10 ft.-lb. Brake	**48ZF21**
2	1740	145TC	TEFC	230/460	5.8/2.9	86.5%	⅞"	2⅛"	16⅞"	10 ft.-lb. Brake	**48ZF22**
Face/Base-Mount											
⅓	1725	56C	TENV	230/460	1.3/0.65	72.0%	⅝"	1⅞"	12⅛"	3 ft.-lb. Brake	**48ZF09**
½	1725	56C	TENV	230/460	1.8/0.90	78.5%	⅝"	1⅞"	12⅝"	3 ft.-lb. Brake	**48ZF10**
¾	1725	56C	TENV	230/460	2.5/1.3	80.0%	⅝"	1⅞"	13⅛"	6 ft.-lb. Brake	**48ZF11**
1	1740	143TC	TENV	230/460	2.8/1.4	85.5%	⅞"	2⅛"	15⅜"	6 ft.-lb. Brake	**48ZF12**
	1725	56HC	TENV	230/460	2.8/1.4	85.5%	⅝"	2"	15 7⁄16"	6 ft.-lb. Brake	**48ZF13**
1½	1740	145TC	TEFC	230/460	4.8/2.4	86.5%	⅞"	2⅛"	16⅜"	10 ft.-lb. Brake	**48ZF14**
2	1740	145TC	TEFC	230/460	5.8/2.9	86.5%	⅞"	2⅛"	16⅞"	10 ft.-lb. Brake	**48ZF15**

3-Phase Painted Washdown Motors

- Rotation: CW/CCW
- Thermal protection: none
- Insulation: Class F
- Inverter rated
- Bearings: ball
- Max. ambient temp.: 40°C

NEMA premium efficient motors built as washdown motors. Copper windings are cured in protective polyester compound. 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. Bearing cavities are packed to help keep moisture out. White epoxy finish provides superior resistance to caustic cleaning solutions. For high humidity/wet environments and areas where motor is occasionally exposed to high-pressure washdowns. UL Recognized, CSA Certified, and USDA Approved paint finish.

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Shaft Dia.	Shaft Length	Length Less Shaft	Item No.
Totally Enclosed Fan-Cooled, Face/Base-Mount										
2	3505	145TC	230/460	4.9/2.4	1.15	86.5%	⅞"	2⅛"	11 13/16"	**5XAT3** *
	1750	145TC	230/460	5.7/2.8	1.15	86.5%	⅞"	2⅛"	12⅝"	**5XAT4** *
3	3535	182TC	230/460	7.4/3.7	1.15	88.5%	1⅛"	2⅝"	16 3/64"	**5XAT7**
	1765	182TC	230/460	7.6/3.8	1.15	89.5%	1⅛"	2⅝"	14⅛"	**5XAU0** *
5	1755	184TC	230/460	12.5/6.2	1.15	89.5%	1⅛"	2⅝"	14⅛"	**5XAU1**
7½	1765	213TC	230/460	18.2/9.1	1.15	91.7%	1⅜"	3⅛"	16¼"	**5XAV0** *
10	1760	215TC	230/460	24.0/12.0	1.15	91.7%	1⅜"	3⅛"	17¼"	**5XAV1** *
Totally Enclosed Fan-Cooled, Face-Mount										
3	1765	182TC	230/460	7.6/3.8	1.15	89.5%	1⅛"	2⅝"	14⅛"	**5XAU5** *
5	3525	184TC	230/460	12.0/6.0	1.15	89.5%	1⅛"	2⅝"	14⅛"	**5XAU6** *
	1755	184TC	230/460	12.5/6.2	1.15	89.5%	1⅛"	2⅝"	14⅛"	**5XAU7** *
7½	3520	213TC	230/460	17.4/8.7	1.15	91.0%	1⅜"	3⅛"	18¼"	**5XAU9** *
	1765	213TC	230/460	18.2/9.1	1.15	91.7%	1⅜"	3⅛"	16¼"	**2DAM7**
10	3515	215TC	230/460	23.1/11.6	1.15	91.0%	1⅜"	3⅛"	18¼"	**2DAM8**
	1760	215TC	230/460	23.9/11.9	1.15	91.7%	1⅜"	3⅛"	17¼"	**2DAM9**
15	3540	215TC	230/460	35.0/17.4	1.15	93.0%	1⅜"	3⅛"	19¼"	**2DAN1**
Totally Enclosed Fan-Cooled, Rigid Base-Mount										
½	1750	56	230/460	1.6./0.8	1.15	78.5%	⅝"	1⅞"	11½"	**2DAK7**
¾	1745	56	230/460	2.3/1.2	1.15	81.5%	⅝"	1⅞"	11½"	**2DAK8**
1	1750	143T	230/460	3.0/1.5	1.15	85.5%	⅞"	2⅜"	11½"	**5XAT8** *
1½	1755	145T	230/460	4.3/2.1	1.15	86.5%	⅞"	2 5/16"	12"	**5XAT9** *
2	1750	145T	230/460	5.7/2.8	1.15	86.5%	⅞"	2⅜"	12"	**5XAT5** *
3	1765	182T	230/460	7.6/3.8	1.15	89.5%	1⅛"	3"	12¾"	**5XAU2** *
5	3525	184T	230/460	12.1/6.1	1.15	89.5%	1⅛"	3"	12¾"	**5XAU3** *
	1755	184T	230/460	12.5/6.2	1.15	89.5%	1⅛"	3"	12¾"	**5XAU4** *
7½	3520	213T	230/460	17.4/8.7	1.15	91.0%	1⅜"	3⅝"	16⅝"	**5XAU8** *
	1765	213T	230/460	18.2/9.1	1.15	91.7%	1⅜"	3⅝"	14⅝"	**5XAV2** *
10	1760	215T	230/460	24.0/12.0	1.15	91.7%	1⅜"	3⅝"	15⅝"	**5XAV3** *
Totally Enclosed Nonventilated, Face/Base-Mount										
½	3550	56C	230/460	1.4/0.7	1.15	82.5%	⅝"	2"	9 11/16"	**1TRZ7**
	1750	56C	230/460	1.6/0.8	1.15	80.0%	⅝"	2"	9¼"	**1TRZ3**
¾	3500	56C	230/460	2.0/1.0	1.15	80.0%	⅝"	2"	9¼"	**1TRZ8**
	1745	56C	230/460	2.3/1.2	1.15	81.5%	⅝"	2"	9¼"	**1TRZ4**
1	3520	56C	230/460	2.5/1.3	1.15	85.5%	⅝"	2"	9 11/16"	**1TRZ9**
	1750	143TC	230/460	3.0/1.5	1.15	85.5%	⅞"	2⅛"	10 3/16"	**1TRZ2**
	1750	56C	230/460	3.0/1.5	1.15	85.5%	⅝"	2"	10¼"	**1TRZ6**
1½	3505	56HC	230/460	3.6/1.8	1.15	86.5%	⅝"	2"	10¾"	**1TTA1**
	1750	145TC	230/460	4.3/2.1	1.15	86.5%	⅞"	2⅛"	10 11/16"	**1TRZ1**
	1750	56HC	230/460	4.3/2.1	1.00	86.5%	⅝"	2"	10 11/16"	**1TRZ5**
Totally Enclosed Nonventilated, Face-Mount										
⅓	1765	56C	230/460	1.5/0.7	1.15	74.0%	⅝"	2"	8 11/16"	**1TTB1**
½	1750	56C	230/460	1.6/8.0	1.15	80.0%	⅝"	2"	9 3/16"	**1TTB6**
¾	3500	56C	230/460	2.0/1.0	1.15	80.0%	⅝"	2"	9 3/16"	**1TTA3**
	1745	56C	230/460	2.3/1.2	1.15	82.5%	⅝"	2"	9 3/16"	**1TTB5**
1	1750	56C	230/460	3.1/1.5	1.15	85.5%	⅝"	1⅞"	10 3/16"	**48ZJ94**
	1750	143TC	230/460	3.0/1.5	1.15	85.5%	⅞"	2⅛"	10 3/16"	**1TTB7**
1½	1750	145TC	230/460	4.3/2.1	1.00	86.5%	⅞"	2⅛"	10 11/16"	**1TTB8**
Totally Enclosed Nonventilated, Rigid Base-Mount										
½	1750	56	230/460	1.6./0.8	1.15	78.5%	⅝"	1⅞"	8⅞"	**1TTC3**
¾	1745	56	230/460	2.3/1.2	1.15	81.5%	⅝"	1⅞"	8⅞"	**1TTC2**
1	1750	56	230/460	3.0/1.5	1.15	85.5%	⅝"	1⅞"	9⅞"	**1TTC1**

** 50/60 Hz.*

No. 5XAU2

No. 1TRZ6

No. 48ZJ94

90 and 180VDC Painted Washdown Motors

- Enclosure: totally enclosed fan-cooled
- Service factor: 1.0
- Insulation: Class H
- Bearings: ball
- Max ambient temp.: 40°C
- 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	Frame	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Item No.
90VDC Permanent Magnet, Face/Base-Mount							
¼	1750	56C	2.5	⅝"	1⅞"	8⅞"	**1F654**
⅓	1750	56C	3.5	⅝"	1⅞"	9⅜"	**1F652**
½	1750	56C	5	⅝"	1⅞"	9⅞"	**1F650**
¾	1750	56C	7.6	⅝"	1⅞"	11⅞"	**1F646**
1	1750	56C	10.0	⅝"	1⅞"	12⅞"	**1F642**
180VDC Permanent Magnet, Face/Base-Mount							
½	1750	56C	3.5	⅝"	1⅞"	9⅞"	**1F648**
¾	1750	56C	3.8	⅝"	1⅞"	11⅞"	**1F644**
1	1750	56C	5.0	⅝"	1⅞"	12⅞"	**1F640**

No. 1F654

• Replacement brushes available on Grainger®

Rigid Base

Face/Base with Removable Base

Dayton

Capacitor-Start Farm-Duty Motors

- Enclosure: totally enclosed fan-cooled
- Rotation: CW/CCW
- Thermal protection: manual
- Bearings: ball
- Max. ambient temp.: 40°C
- 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	Frame	Voltage	Full Load Amps	Service Factor	Ins. Class	Shaft Dia.	Shaft Length	Item No.
High-Torque, Rigid Base									
⅓	1725	56	115/230	6.6/3.3	1.15	B	⅝"	1⅞"	**6K710**
½	1725	56	115/230	9.0/4.5	1.15	F	⅝"	1⅞"	**6K714**
¾	1725	56	115/230	11.4/5.7	1.15	B	⅝"	1⅞"	**6K719**
1	1725	56H	115/230	14.0/7.0	1.15	F	⅝"	1⅞"	**6K727**
1½	1725	56H	115/230	16.2/8.1	1.15	B	⅝"	1⅞"	**6K740** *
	1725	143/5T	115/230	16.2/8.1	1.15	B	⅞"	2¼"	**6K311** *
2	1725	56HZ	115/230	20.0/10.0	1.00	F	⅞"	2¼"	**4K090** *
	1740	182T	115/230	23.6/11.8	1.00	F	1⅛"	2¾"	**6K313**
3	1740	184T	230	14.5	1.00	F	1⅛"	2¾"	**6K610**
5	1740	182/4T	230	22.0	1.00	F	1⅛"	2¾"	**6K847** *
	1730	213T	230	23.0	1.00	F	1⅜"	3½"	**6K130** *
7½	1740	215T	230	30.0	1.00	F	1⅜"	3½"	**6K969** *
10	1730	215T	230	38.0	1.00	F	1⅜"	3½"	**6K970** *
High-Torque, Face/Base with Removable Base									
⅓	1725	56C	115/230	6.6/3.3	1.15	B	⅝"	1⅞"	**1TMW3**
½	1725	56C	115/230	9.0/4.5	1.15	B	⅝"	1⅞"	**1TMW5**
¾	1725	56C	115/230	11.4/5.7	1.15	B	⅝"	1⅞"	**1TMW7**
1	1725	56HC	115/230	14.0/7.0	1.15	F	⅝"	1⅞"	**1TMW9**
1½	1725	56HC	115/230	14.4/7.2	1.15	B	⅝"	1⅞"	**1TMX2** *
2	1725	145TC	115/230	18.9/9.4	1.15	F	⅞"	2⅛"	**1TMW2** *
Extra-High-Torque, Rigid Base									
1	1725	143/5T	115/230	15.0/7.5	1.15	F	⅞"	2¼"	**6K994**
1½	1725	143/5T	115/230	19.2/10.1	1.15	F	⅞"	2¼"	**6K886** *
2	1750	182TZ	115/230	25.6/12.8	1.15	F	⅞"	2¾"	**6K887** *
3	1760	184T	230	17.0	1.15	F	1⅛"	2¾"	**6K881**
5	1740	184T	230	24.0	1.15	F	1⅛"	2¾"	**6K882** *
	1725	215TZ	230	29.0	1.15	F	1⅛"	3⅜"	**6K883** *
7½	1715	215TZ	230	30.8	1.15	F	1⅛"	3⅜"	**6K884** *
10	1735	215T	230	41.0	1.15	F	1⅜"	3⅜"	**6K885** *

** Capacitor-start, capacitor-run.*

No. 48ZJ99

Dayton

3-Phase Farm-Duty Motors

- Enclosure: totally enclosed fan-cooled
- Rotation: CW/CCW
- Mounting: rigid base
- Bearings: ball
- Max. ambient temp.: 40°C
- 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	Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Ins. Class	Item No.
⅓	1765	56	None	208-230/460	1.3-1.3/0.6	1.25	F	**1EJR3**
½	1765	56	None	208-230/460	1.9-2.1/1.0	1.25	F	**1EJR4**
¾	1745	56	None	208-230/460	2.4-2.4/1.2	1.25	F	**1EJR5**
1	1755	143-5T/56HZT	None	230/460	3.0/1.5	1.25	F	**35Z916**
1½	1745	56	Manual	208-230/460	4.5-4.5/2.2	1.15	F	**48ZJ99**
1½	1755	143-5T/56HZT	None	230/460	4.3/2.1	1.25	F	**35Z917**
2	1750	143-5T/56HZ	None	230/460	5.7/2.8	1.25	F	**35Z918**
3	1765	182T	None	230/460	7.8/3.9	1.15	F	**35Z919**
5	1755	184T	None	230/460	12.5/6.2	1.15	F	**35Z920**
7½	1765	213T	None	230/460	18.1/19.1	1.15	F	**35Z921**
10	1760	215T	None	230/460	24.0/12.0	1.15	F	**35Z922**

No. 5K043

No. 33K161

No. 3K995

1-Phase Auger Motors

marathon™ Motors

Dayton

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

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	Frame	Voltage	Full Load Amps	Service Factor	Mounting	Shaft Dia.	Brand	Mfr. Model	Item No.
Split-Phase, Totally Enclosed Nonventilated										
⅓	1725	48NY	115/230	5.3/2.7	1.00	Face	½"	Marathon	5KH39QN9508Y	**4K118**
	1725	56YZ	115/230	5.2/2.6	1.00	Face	½"	Dayton	—	**3K994** *
	1725	56YZ	115/230	5.2/2.6	1.00	Face/Base	½"	Dayton	—	**5K043** *
Capacitor-Start, Totally Enclosed Fan-Cooled										
⅓	1725	48NZ	115/230	6.2/3.1	1.00	Face	½"	Marathon	048C17F11005	**33K161**
	1725	48NZ	115/208-230	8/3.8-4	1.00	Face	½"	Marathon	048C17F11006	**33K162**
½	1725	56YZ	115/230	8.0/4.0	1.00	Face	½"	Dayton	—	**3K995** *
	1725	56YZ	115/230	8.0/4.0	1.00	Face/Base	½"	Dayton	—	**5K044** *
	1725	48NZ	115/208-230	10.8/5.3-5.4	1.00	Face	½"	Marathon	048C17F11007	**33K163**
¾	1725	56YZ	115/230	10.6/5.3	1.00	Face	½"	Dayton	—	**3K996** *
	1725	56YZ	115/230	10.6/5.3	1.00	Face/Base	½"	Dayton	—	**5K046** *
1	1725	56NZ	115/230	13.4/6.7	1.00	Face	⅝"	Marathon	056C17F15537	**33K164**
	1725	56Y	115/230	12.8/6.4	1.15	Face/Base	⅝"	Dayton	—	**4K997**
1½	1725	56NZ	115/230	15.2/7.6	1.00	Face	⅝"	Marathon	056B17F15516	**33K165** †
	1725	56Y	115/230	16.2/8.1	1.15	Face/Base	⅝"	Dayton	—	**4K998** †

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

1-Phase Poultry/Livestock Direct-Drive Fan Motors

- Enclosure: totally enclosed air-over
- Max ambient temp.: 40°C

Motors feature shaft slinger. For fan duty only. Direct replacements for Acme, Aerotech, Dayton®, GSI, LB White, and other direct-drive poultry fans. PSC and Capacitor Start/Run motors also have gasketed capacitor covers. All models are UL Recognized and CSA Certified.

HP	Nameplate RPM	Frame	Rotation	Voltage	Full Load Amps	Service Factor	Ins. Class	Mounting	Shaft Dia.	Shaft Length	Brand	Item No.	
Permanent Split Capacitor													
¼	1700	48YZ	CW/CCW	115/230	3.3/1.7	1.00	B	Cradle Base	½"	2 7/16"	Dayton	**1YAZ4**	*
	1725	48YZ	CW/CCW	115/230	2.3/1.4	1.00	B	Yoke	½"	2 7/16"	Dayton	**1YAZ7**	*
	1625	48Z	CW/CCW	115/230	3.6/1.8	1.00	B	Cradle Base	½"	2½"	Marathon	**33L616**	
⅓	1700	48YZ	CW/CCW	115/230	3.8/1.9	1.00	B	Cradle Base	½"	2½"	Dayton	**1YAZ5**	*
	1725	48YZ	CW/CCW	115/230	3.8/1.9	1.00	B	Yoke	½"	2 7/16"	Dayton	**1YAZ8**	*
½	1700	48YZ	CW/CCW	115/230	5.0/2.5	1.00	B	Cradle Base	½"	2½"	Dayton	**1YAZ6**	*
	1700	48YZ	CW/CCW	115/230	5.5/2.8	1.00	F	Yoke	½"	2½"	Dayton	**1YAZ9**	*
	1075	48Z	CW/CCW	115/230	7.2/3.6	1.00	—	Cradle Base	½"	2½"	Marathon	**33L621**	
	850	56Y	CCWLE	208-230	3.7-3.6	1.00	B	Stud	⅝"	1⅞"	Marathon	**33L622**	
⅓	1100	48Y	CW/CCW	115/230	3.9/1.9	1.00	B	Stud	½"	2½"	Dayton	**1YBA5**	
	1100	48Y	CW/CCW	115/230	3.9/1.9	1.00	B	Rigid Base	½"	3¾"	Dayton	**1YBA4**	
½	850	48Y	CW/CCW	115/230	6.0/3.0	1.25	B	Stud	⅝"	3⅜"	Dayton	**1YAZ3**	
	850	56Z	CW/CCW	115/230	6.0/3.0	1.00	B	Rigid Base	⅝"	2½"	Dayton	**1YBA6**	
1	850	56CZ	CWSE	230	5.8	1.00	B	Face	⅝"	2½"	Dayton	**1YBA7**	
	850	56CZ	CWSE	230	5.2	1.00	B	Face	¾"	3¼"	Dayton	**1YBA1**	
Capacitor-Start/Run													
¾	1725/1425	56	CW/CCW	115/208-230	7/3.8-3.5	1.30	B	Cradle Base	⅝"	1⅞"	Marathon	**33L623**	
1	1725/1425	56	CW/CCW	115/208-230	10.6/5.5-5.3	1.30	B	Cradle Base	⅝"	1⅞"	Marathon	**33L624**	
1½	1725	56	CW/CCW	115/208-230	14.0/7.2-7.0	1.30	B	Cradle Base	⅝"	1⅞"	Marathon	**33L625**	
Split-Phase													
⅙	1725	48	CW/CCW	115	3.5	1.00	B	Cradle Base	½"	1½"	Marathon	**33L614**	
	1140	48	CW/CCW	115	3.7	1.00	B	Cradle Base	½"	1½"	Marathon	**33L615**	
¼	1140	56	CW/CCW	115	5.6	1.00	B	Cradle Base	⅝"	1⅞"	Marathon	**33L617**	
⅓	1725	48Z	CW/CCW	115	6.2	1.00	B	Cradle Base	½"	2¼"	Marathon	**33L618**	
	1140	56	CW/CCW	115/230	7.0/3.5	1.00	B	Cradle Base	⅝"	1⅞"	Marathon	**33L619**	
½	1725	56	CW/CCW	115/208-230	8.0/4.0-4.0	1.00	B	Cradle Base	⅝"	1⅞"	Marathon	**33L620**	
3-Phase													
1	850	56CZ	CW/CCW	440/460	1.9-2.0	1.00	B	Face	¾"	3¼"	Dayton	**1YAZ2**	

**** Adjustable speed: Designed to operate from 100% down to 80% speed with optional speed controllers, see page 158. For use with fans only; not intended for mechanical applications.***

No. 1YAZ4
Permanent Split Capacitor

No. 33L623
Capacitor Start/Run

No. 1YAZ2
3-Phase

1-Phase Poultry/Livestock Belt-Drive Fan Motors

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

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	Frame	Voltage	Full Load Amps	Service Factor	Mounting	Brand	Mfr. Model	Item No.	
Capacitor-Start/Run										
½	1725	56	115/208-230	4.6/2.6-2.4	1.40	Cradle Base	Dayton	—	**5JKW9**	
¾	1725	56	115/208-230	6.1/3.4-3.1	1.30	Cradle Base	Dayton	—	**4WNZ5**	
	1725	56	115/208-230	6.1/3.4-3.1	1.30	Rigid Base	Dayton	—	**4WNZ6**	
1	1725/1425	56	115/230	9.0/4.5	1.30	Cradle Base	Century	PD6104AV2	**3RCW9**	
	1725/1425	56	115/230	9.0/4.5	1.30	Rigid Base	Century	PD6104AV3	**3RCX1**	
	1725	56H	115/230	7.9/4.0	1.15	Rigid Base	Dayton	—	**3K993**	
	1725	56H	115/230	7.9/4.0	1.15	Cradle Base	Dayton	—	**4K124**	
Split-Phase										
¼	1725	48	115/208-230	3.0/1.6-1.5	1.00	Cradle Base	Marathon	5KHC39QN9575T	**2K349**	*
⅓	1725	48	115/208-230	4.1/2.1-2.0	1.00	Rigid Base	Marathon	5KHC39QN9581T	**2K348**	*
	1725	56	115/230	5.5/2.7	1.25	Rigid Base	Dayton	—	**1YBU8**	
½	1725/1425	56	115/208-230	4.8/2.4	1.30	Cradle Base	Century	PD1050AV1	**3RCW8**	
	1725	56	115/230	7.6/3.8	1.25	Rigid Base	Dayton	—	**1YBV8**	
	1725	56	115/230	7.6/3.8	1.25	Cradle Base	Dayton	—	**1YBV9**	
	1725	56	115/230	7.6/3.8	1.25	Cradle Base	Dayton	—	**1YBW1**	*
¾	1725	56	115/230	11.5/5.7	1.25	Rigid Base	Dayton	—	**1YBU9**	
1	1725	56	115/230	13.0/6.5	1.25	Rigid Base	Dayton	—	**1YBV1**	

**** Includes 3⅝" x 3⅝" extended thru-bolts for fan guard mounting.***

Capacitor-Start/Run, Cradle Base

Split-Phase, Cradle Base

Capacitor-Start Aeration Fan Motors

- Enclosure: totally enclosed air-over
- Rotation: CW/CCW
- Service factor: 1.0
- Insulation: Class B
- Mounting: rigid base
- Max. ambient temp.: 50°C

Use as a replacement motor for tube-axial fan grain aeration systems made by Aero-Vent, Dynavent, Farm Fan, and other manufacturers. Permanent split capacitor motors have keyed shaft that is drilled on center 1"D, and tapped ¼-20 UNC to allow fan mounting. UL Recognized and CSA Certified.

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Item No.
½	3450	48	115/230	8.0/4.0	½"	1½"	**4K055**
	3450	56Z	115/230	7.4/3.7	⅝"	2¼"	**4K056**
¾	3450	48	115/230	11.0/5.5	½"	1½"	**4K057**
	3450	56Z	115/230	11.0/5.5	⅝"	2¼"	**4K058**
1	3450	56Z	115/230	12.4/6.2	⅝"	2¼"	**4K059**
1½	3450	143TZ	115/230	17.4/8.7	⅞"	2¼"	**4K060**
2	3450	143TZ	115/230	22.2/11.1	⅞"	2¼"	**4K061**
3	3450	145TZ	230	14.9	⅞"	2¼"	**4K062**

No. 4K055

No. 4K059


No. 3K783


No. 3K788


No. 13L299

marathon Motors

WEG

Century®

1-Phase Air Compressor Motors

- Enclosure: open dripproof
- Mounting: rigid base
- Bearings: ball
- Max. ambient temp.: 40°C

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

Note: Use on other applications voids warranty.

HP	Nameplate RPM	Frame	Rotation	Thermal Protection	Voltage	Full Load Amps	Service Factor	Ins. Class	Shaft Dia.	Shaft Length	Brand	Mfr. Model	Item No.	
Capacitor-Start														
½	3450	56	CCWSE	Manual	115	11.5	1.00	B	⅝"	1⅞"	Marathon	9031	**3K781**	
¾	3450	56	CCWSE	Manual	115	12.5	1.00	B	⅝"	1⅞"	Marathon	9032	**3K783**	
1	1725	56	CW/CCW	Manual	115/230	13.6/6.8	1.15	B	⅝"	1⅞"	Marathon	C1480	**39L530**	
	3450	56	CCWSE	Manual	115/230	16.0/8.0	1.00	B	⅝"	1⅞"	Marathon	9033	**3K785**	
1½	1725	56H	CW/CCW	Manual	115/208-230	18/9.3-9.0	1.15	B	⅝"	1⅞"	Marathon	G951	**39L531**	
	3450	56	CW/CCW	Manual	115/230	21.3/10.6	1.15	B	⅝"	1⅞"	Marathon	C704	**5TB73**	
3	1745	184T	CW/CCW	Manual	208-230	18.6-17.5	1.15	B	1⅛"	2¾"	Weg	00318OS1CCDOL184T	**13L295**	
7½	3470	213T	CW/CCW	None	208-230	40.0-37.0	1.15	B	1⅜"	3⅜"	Marathon	I105	**39L541**	
Capacitor-Start/Run														
¾	1725	56	CW/CCW	Manual	115/208-230	11.0/5.5	1.25	B	⅝"	1⅞"	Marathon	K016	**6KHJ5**	
1	3450	56	CW/CCW	Manual	115/208-230	10.6/5.5-5.3	1.15	B	⅝"	1⅞"	Marathon	D010	**39L529**	
2	1740	145T	CW/CCW	Manual	115/208-230	18.8/10.2-9.4	1.15	B	⅞"	2¼"	Marathon	I127	**39L532**	
	3450	56	CW/CCW	Manual	115/230	17.0/8.5	1.00	B	⅝"	1⅞"	Marathon	9035	**3K787**	
	3450	56	CW/CCW	Manual	115/230	17.8/8.9	1.15	B	⅝"	1⅞"	Marathon	C703A	**454X48**	
3	1740	184T	CW/CCW	None	230	12.1	1.15	B	1⅛"	2¾"	Marathon	Z502	**39L534**	
	3450	56	CW/CCW	Manual	230	14.5	1.00	B	⅝"	1⅞"	Marathon	9036	**3K788**	
	3450	56	CCWSE	Manual	230	15.0	1.00	B	⅝"	1⅞"	Marathon	9040	**39L535**	
4	3440	56HZ	CCWSE	Manual	230	16.5	1.15	B	⅞"	2¼"	Weg	00436OS1DCDG56HZ	**13L296**	
5	1740	184T	CW/CCW	None	208-230	23.0-21.0	1.15	F	1⅛"	2¾"	Marathon	I114A	**39L539**	
	1745	184T	CW/CCW	None	208-230	23.5-21.5	1.25	B	1⅛"	2¾"	Weg	00518OS1CCD184T	**13L299**	
	1745	184T	CW/CCW	Manual	208-230	23.5-21.5	1.15	B	1⅛"	2¾"	Weg	00518OS1CCDOL184T	**13L301**	
	1760	184T	CW/CCW	Manual	208-230	25.0-24.1	1.15	B	1⅛"	2¾"	Marathon	I119	**39L538**	
	3450	56Y	CCWSE	Manual	208-230	22.0	1.15	B	⅞"	2¼"	Century	B384	**1ATA8**	*
	3450	56HZ	CCWSE	Manual	230	22.0	1.00	B	⅞"	2¼"	Century	B813	**1ATA9**	*
	3450	56H	CW/CCW	Manual	230	20.0	1.15	B	⅝"	1⅞"	Marathon	D017	**39L537**	*
6-12/32	3510	182/4Y	CCWSE	Manual	240	23.0	1.00	B	⅞"	2¼"	Weg	00636OS1XCD182/4Y	**13L302**	
7½	1735	215T	CW/CCW	None	208-230	37.5-34.5	1.15	F	1⅜"	3⅜"	Marathon	I115	**39L542**	
	1745	213/5T	CCWSE	—	208-230	33.3-31.3	1.15	B	1⅜"	3⅜"	Weg	00718OS1CCD215T	**13L303**	
	3515	184T	CW/CCW	None	208-230	34.0-31.0	1.15	F	1⅛"	2¾"	Marathon	I108A	**39L540**	
10	1730	215T	CW/CCW	None	208-230	49.0-44.0	1.15	F	1⅜"	3⅜"	Marathon	I116	**39L543**	
	1745	213/5T	CCWSE	—	208-230	45.0-43.0	1.15	B	1⅜"	3⅜"	Weg	01018OS1CCD215T	**13L304**	

**** Designed for light-duty, intermittent use.***


No. 2M066


No. 2M145

Universal AC/DC Motors

Dayton®

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

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.

HP	Nameplate RPM	Voltage	Full Load Amps	Mounting	O.C. Mounting	Mounting Holes	Bearings	Body Dia.	Shaft Dia.	Shaft Length	Length Less Shaft	Item No.	
1/15	5000	115	1.2	Hole	2 3/16"	(2) #10-32	Ball	2¾"	5/16"	⅞"	4 7/16"	**2M057**	*
	5000	115	1.2	Hole	2 3/16"	(2) #10-32	Sleeve	2¾"	¼"	¾"	4 7/16"	**2M033**	*
	5000	115	1.2	Hole	2 3/16"	(2) #10-32	Sleeve	2¾"	¼"	¾"	4 7/16"	**2M034**	*
	5000	115	1.2	Hole	2 3/16"	(2) #10-32	Sleeve	2¾"	¼"	¾"	4 7/16"	**2M277**	*
	5000	115	1.2	Rigid Base	2 3/16 x 3"	4	Sleeve	2¾"	¼"	1" & 1"	4 7/16"	**2M066**	*†
1/10	8000	115	1.5	Hole	2 3/16"	(2) #10-32	Ball	2¾"	¼"	⅞"	4 7/16"	**2M037**	*
⅛	10,000	115	2.9	Stud	2 7/16"	—	Sleeve	3⅜"	5/16"	1"	4½"	**2M139**	*
½	10,000	115	6.3	Hole	2 x 2 13/16"	(4) #10-32	Ball	3¾ x 3½"	⅜"	1¼"	6 3/16"	**2M145**	
1	10,000	115	12.1	Face	3¼ x 3¼"	(4) #10-32	Ball	3⅞"	7/16"	1¼"	7 25/32"	**2M191**	

**** Can be used with No. 5JJ60 speed control on page 158 . † Dual shaft.***

3.3"-Dia. Shaded-Pole Vibrator Motor

Dayton®

- Enclosure: open
- Mounting: strap-type
- Max. ambient temp.: 40°C

Equipped with 9-ft. 3-cond. cordset and inline On/Off switch. Bracket mounting holes are ⅞" 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	Ins. Class	Bearings	Body Dia.	Item No.
1/100	5.00 lb.	1625	Auto	2.20 ips	115	0.65	B	Ball	3⅜"	**5FTT3**

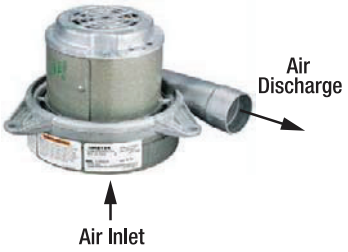
**** ips = inches per second.***

Body Dia.	Voltage	Blower Stages	CFM @ 2" Orifice	Vacuum (H_2O Sealed)	Max. Air Watts	Max. Amps	Overall Height	Replacement Brushes	Inlet Tube Dia.	Mfr. Model	Brand	Item No.
Peripheral Bypass Discharge												
Thermoset Mounting Brackets												
	120	1	95.0	50.1	188	5.7	5 1/16"	2YU17	—	116325-00	Ametek	**2M428**
	120	1	110.0	45.0	140	6.2	5"	34DA21	2"	32ZN72	Dayton	**32ZN72**
	120	1	115.0	50.0	195	8.2	5 3/8"	34DA21	2"	32ZN73	Dayton	**32ZN73**
	120	1	125.0	56.0	245	10.0	6"	34DA21	2"	32ZN82	Dayton	**32ZN82**
	120	1	133.0	49.5	291	7.0	5 3/16"	2UV64	—	116196-00	Ametek	**4M960**
	120	2	90.0	85.0	240	8.8	6 3/8"	34DA21	2"	32ZN74	Dayton	**32ZN74**
	120	2	94.0	84.3	274	8.0	6 5/16"	2UV81	—	116336-01	Ametek	**2M429**
	120	2	94.0	84.3	274	8.0	6 5/16"	2UY15	—	119414-00	Ametek	**3GXE9**
5.7"	120	2	96.0	88.1	292	8.0	6 5/16"	2UV81	—	115757-P	Ametek	**2M265**
	120	2	100.0	90.3	313	9.0	6 5/16"	2UV64	—	116493-50	Ametek	**4M949**
	120	2	101.0	93.2	332	9.1	6 15/16"	2UV64	—	116448-00	Ametek	**4M955**
	120	2	104.0	91.3	300	9.1	6 5/8"	2UV81	—	116212-00	Ametek	**4M954**
	120	2	105.0	95.0	320	11.0	7"	34DA21	2"	32ZN75	Dayton	**32ZN75**
	120	2	112.0	106.7	404	11.7	7"	41RD41	—	116471-13	Ametek	**4M953** *
	240	1	99.0	50.8	201	3.3	5 1/16"	2UV65	—	116271-00	Ametek	**4M957**
	240	2	112.0	95.4	360	4.9	7"	2UV65	—	116036-13	Ametek	**4M952** *
	240	2	107.0	97.8	389	5.7	7"	2UV65	—	116354-00	Ametek	**4M951**
Metal Mounting Brackets												
	120	2	102.7	110.0	384	13.0	6 3/16"	2XB23	—	115330	Ametek	**2M173**
7.2"	120	2	116.4	106.1	401	13.0	6 13/16"	2XB23	—	115962	Ametek	**2M187** *
	120	3	105.0	131.4	447	14.7	7 13/16"	2XB23	—	116118-00	Ametek	**4M891** *
7.5"	120	3	126.0	88.2	360	11.6	9 7/16"	2UV67	—	114787	Ametek	**2M179**
	240	3	122.0	84.2	354	5.2	9 7/16"	2UV76	—	114789	Ametek	**4M877**
Acustek® (Low Noise), Thermoset Mounting Brackets												
	120	2	97.0	84.9	255	7.9	6 1/2"	2UV64	—	116757-13	Ametek	**2M266** *
	120	2	97.0	84.9	255	7.9	6 1/2"	2UV64	—	116024-13	Ametek	**4M917** *
	120	2	102.0	91.5	293	9.2	6 1/2"	2UV64	—	116025-13	Ametek	**4M916** *
5.7"	120	2	103.0	91.5	293	9.2	6 1/2"	2UV81	—	116758-13	Ametek	**2M267** *
	120	2	110.0	107.1	387	11.3	6 15/16"	41RD41	—	116763-13	Ametek	**2M433** *
	120	3	100.0	119.6	382	11.1	7 13/16"	41RD41	—	116764-13	Ametek	**4M914** *
	240	2	111.0	95.2	362	4.9	7"	2UV65	—	116296-13	Ametek	**4M915** *
Tangential Bypass Discharge												
Thermoset Mounting Brackets												
	36VDC	3	76.0	74.0	185	17.9	7 13/16"	2UV71	—	116513-13	Ametek	**4M918** *
	36VDC	3	76.0	74.0	185	17.9	7 13/16"	4HCH1	—	119432-13	Ametek	**3GXF2**
	120	2	97.0	81.8	248	8.6	6 1/8"	2UV64	—	116392-00	Ametek	**2M430** *
	120	2	105.5	88.2	285	8.2	6 1/8"	2UV81	1 7/8"	116210-85	Ametek	**4M928**
	120	2	104.0	91.3	300	9.0	6 1/8"	2UV81	—	116207-00	Ametek	**2M201**
5.7"	120	2	97.4	92.5	301	9.9	7"	41RD41	—	116474-37	Ametek	**4M983** *
	120	2	112.0	106.7	404	11.7	7"	41RD41	—	116472-13	Ametek	**4M937** *
	120	3	99.0	117.4	368	10.7	7 13/16"	41RD41	—	116565-13	Ametek	**4M923** *
	120	3	99.0	117.4	386	10.7	7 13/16"	41RD41	1 1/2"	116565-29	Ametek	**4M924** *
	240	2	108.0	87.5	317	4.4	6 15/16"	2UV65	—	116420-13	Ametek	**4M934** *
	240	2	126.3	100.5	413	6.7	7"	2UV65	—	116353-13	Ametek	**4M936**
	240	3	93.0	115.5	345	5.2	7 13/16"	2UV65	—	116859-00	Ametek	**4M944**
7.2"	120	2	110.0	123.0	455	12.8	7 1/16"	2XB24	—	117467-13	Ametek	**4M889** *
Metal Mounting Brackets												
	120	1	93.0	47.8	157	5.7	4 7/16"	2YU17	—	116520-50	Ametek	**4M941**
5.7"	120	3	101.2	137.1	485	13.5	8 1/8"	2UV68	—	116765-00	Ametek	**4M922**
	120	3	101.2	137.1	485	13.5	8 1/8"	2UV68	—	116765-13	Ametek	**4M921** *
	120	2	102.7	110.0	384	13.0	6 1/16"	2XB23	—	115334	Ametek	**2M174**
	120	2	105.4	110.1	392	12.7	6 13/16"	2XB23	—	115937	Ametek	**2M178** *
	120	3	92.0	134.0	403	13.8	7 59/64"	2XB23	—	116103-00	Ametek	**2M188** *
	120	3	92.0	134.0	403	13.8	8 59/64"	2XB23	2"	116161-00	Ametek	**4M884** *
7.2"	120	3	94.0	134.0	438	12.6	7 23/32"	2XB23	—	116119-00	Ametek	**2M202**
	120	3	102.5	145.9	530	14.0	8 7/8"	2UV78	—	117500-12	Ametek	**3HV25**
	240	2	98.9	95.0	308	5.5	6 13/16"	2UV77	—	115950	Ametek	**4M888** *
	240	2	101.2	109.6	356	5.9	6 3/16"	2UV77	—	115684	Ametek	**4M887**
	240	3	87.0	106.0	306	5.5	8 59/64"	2UV77	—	116136-00	Ametek	**4M883** *
Aluminum Mounting Brackets												
5.7"	240	3	101.2	137.2	485	7.3	8 15/16"	2UV80	—	117123-00	Ametek	**3EAK5**
Thru-Flow Discharge												
Thermoset Mounting Brackets												
	120	1	112.0	63.0	189	6.8	4 3/8"	2UY15	—	119400-00	Ametek	**3EAK8**
	120	2	94.0	90.2	241	7.7	5 1/16"	2UY15	—	119402-00	Ametek	**3GXE2**
5.7"	120	1	105.0	60.0	195	7.1	4 1/2"	34DA21	2"	32ZN76	Dayton	**32ZN76**
	120	1	115.0	60.0	215	8.2	4 7/8"	34DA21	2"	32ZN77	Dayton	**32ZN77**
	120	1	125.0	70.0	280	10.1	5 1/4"	34DA21	2"	32ZN78	Dayton	**32ZN78**
	120	2	105.0	105.0	340	11.0	6 1/4"	34DA21	2"	32ZN80	Dayton	**32ZN80**
Metal Mounting Brackets												
	120	2	94.0	90.2	241	7.7	5 9/16"	2UV81	—	116669-50	Ametek	**2M421** †
	120	2	94.0	90.2	241	7.7	5 9/16"	2UV64	—	116457-00	Ametek	**2M420** †
	120	2	95.0	91.2	245	8.2	5 9/16"	2UV64	—	116311-01	Ametek	**2M192**
	120	2	99.0	92.0	257	8.0	5 9/16"	2UV81	—	115750	Ametek	**2M262**
	120	2	99.0	92.0	257	8.0	5 13/16"	2UV64	—	115744	Ametek	**2M198** †
	120	2	99.0	92.0	260	8.0	5 9/16"	2UV81	—	115737	Ametek	**2M263**
	120	2	104.0	100.0	323	9.0	6"	2UV81	—	116671-50	Ametek	**4M898** †
	120	2	115.0	96.4	356	9.5	5 9/16"	2UV81	—	116146-00	Ametek	**2M186**
5.7"	120	2	115.0	96.4	356	9.5	5 13/16"	2UV64	—	115982	Ametek	**4M982**
	120	2	115.0	96.4	356	9.5	5 13/16"	2UV81	—	116884-49	Ametek	**4M905** †
	120	2	101.3	114.4	365	10.6	5 15/16"	41RD41	—	116432-00	Ametek	**2M422**
	120	2	122.0	100.4	447	10.8	6 3/16"	41RD41	—	115923	Ametek	**4M903**
	240	1	113.0	61.7	197	3.8	4 13/16"	2UV65	—	116668-50	Ametek	**2M427** †
	240	2	89.0	78.0	196	3.5	5 9/16"	2UV65	—	115756	Ametek	**2M182**
	240	2	102.0	87.8	248	4.0	5 9/16"	2UV65	—	116670-50	Ametek	**2M424** †
	240	2	102.0	87.8	248	4.0	5 13/16"	2UV65	—	116312-00	Ametek	**2M423**
	240	2	119.0	98.9	345	5.1	6 1/2"	2UV65	—	116604-00	Ametek	**4M900** †
Aluminum Mounting Brackets												
5.7"	120	1	147.0	98.0	500	12.0	4 3/4"	2UV81	—	119347-00	Ametek	**3EAK7**

**** Air-sealed bearing protection. † Auto thermal protection; all others have none.***

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.

THRU-FLOW DISCHARGE

Air flows into the bottom of the motor and is discharged through the top of the motor to provide cooling.

AMETEK LAMB ELECTRIC

Dayton

Vacuum Motors

- Enclosure: open
- Thermal protection: None, except where noted
- Mounting: all-position
- Bearings: ball, permanently lubricated
- Max. ambient temp.: 40°C
- Duty: intermittent
- Avg. brush life (Ametek only): 4.3" and 5.7" dia., 500 hr.; 7.2" dia., 700 hr.; 7.5" dia., 1000 hr.

For use in moving clean and dry air. Motor should not come into contact with foam, liquids, or moisture-laden air. Use with applications that protect the motor's electrical components, fan system, and housing. Units with air-sealed bearings provide added protection against dirt and moisture. Units with thermoset mounting brackets are for light-duty applications. For use in commercial canister or utility vacuums, sprayer/foggers, material handling and transfer systems, and car wash and central vacuum systems. Ametek® motors are UL Recognized and CSA Certified, except No. 4M941 is UL Recognized only. Dayton® motors are UL and C-UL Recognized.

5.7"-Dia. Tangential Bypass Brushless DC Blowers

Northland Motor Technologies — Putting concepts in motion

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

No. 1MCG5

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.

Watts	Blower Stages	Voltage	Max. Amps	H	Discharge Dia.	Vacuum (H_2O Sealed)	CFM	MANUAL SPEED CONTROL BLOWERS Mfr. Model	Item No.	ELECTRONIC SPEED CONTROL BLOWERS Mfr. Model	Item No.
	1	120	5.0	4¼"	1¼"	29.0	60	—	—	BBA14-111SET-00	**1MCG8**
	1	120	5.0	5⅞"	1¼"	28.0	64	BBA14-111SMB-00	**1MCG9**	BBA14-111SEB-00	**1MCG7**
	1	120	5.0	6⅛"	1¾"	24.0	105	BBA14-111HMB-00	**1MCG6**	BBA14-111HEB-00	**1MCG5**
	1	240	4.5	5⅞"	1¼"	30.0	64	BBA14-211SMB-00	**1MCJ4**	BBA14-211SEB-00	**1MCJ3**
	1	240	4.5	6⅛"	1¾"	26.0	105	BBA14-211HMB-00	**1MCJ2**	BBA14-211HEB-00	**1MCJ1**
400	2	120	5.0	5"	1¼"	50.0	60	—	—	BBA14-112SET-00	**1MCH3**
	2	120	5.0	7⅛"	1¾"	45.0	86.5	BBA14-112HMB-00	**1MCH1**	BBA14-112HEB-00	**1MCH2**
	2	240	4.5	7⅛"	1¾"	45.0	86.5	—	—	BBA14-212HEB-00	**1MCJ6**
	3	120	5.2	7⅝"	1¼"	65.0	47	BBA14-113SMB-00	**1MCH5**	BBA14-113SEB-00	**1MCH4**
	3	240	4.7	7⅝"	1¼"	64.0	47	—	—	BBA14-213SEB-00	**1MCJ8**
	3	240	4.7	7⅛"	1¾"	50.0	86	—	—	BBA14-213HEB-00	**1MCJ7**
	1	120	9.5	6⅛"	1¾"	43.0	135	BBA14-121HMB-00	**1MCH6**	—	—
800	2	120	9.5	7⅛"	1¾"	60.0	107	BBA14-122HMB-00	**1MCH7**	—	—
	3	120	9.0	7⅝"	1¼"	90.0	68	BBA14-123SMB-00	**1MCH9**	BBA14-123SEB-00	**1MCH8**
	1	240	10.5	6⅛"	1¾"	55.0	176	BBA14-221HMB-00	**1MCK1**	BBA14-221HEB-00	**1MCJ9**
1200	2	240	10.5	7⅛"	1¾"	88.0	151	BBA14-222HMB-00	**1MCK3**	BBA14-222HEB-00	**1MCK2**
	3	240	10.5	7⅝"	1¼"	143.0	79	BBA14-223SMB-00	**1MCK5**	BBA14-223SEB-00	**1MCK4**

Shaded Pole C-Frame Motors

Dayton

- No. of speeds: all motors are 1-speed except for No. 4M075 is 2-speed
- Enclosure: open air-over
- Service factor: 1.0
- Insulation: Class B
- Mounting: all-angle
- Max. ambient temp.: 40°C

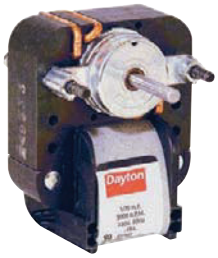
For use in small fans and blowers found in bathroom ventilators, range hoods, electric heaters, hair dryers, slide projectors, air cleaners, humidifiers, and refrigeration equipment. UL Recognized and CSA Certified.

Note: This product is NOT SUITABLE for any unattended equipment (including built-in bathroom exhaust fans), unless the listed Thermal Protection is 1 Shot.

Stud/Hole Mount
- Mounting: two #8-32 studs at shaft end, and mounting holes on each side of the stator, 1⅞" OC

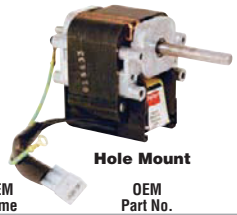
Stud Mount
- Mounting: two #8-32 studs on 1⅞" OC
- OEM replacement with 2-prong plug

Hole Mount
- Mounting: two #6-32 threaded holes on 1⅞" centers
- OEM replacement with OEM plug
- Dual shaft



Stud/Hole Mount

Stud Mount



Hole Mount

OEM Name	OEM Part No.	Item No.	
Nutone, Air-King	Various	4M180	*
Nutone	C65878	4M209	*
Broan	99080207	4M210	*
Aubrey	2200-02	4M211	*
Fasco	0648-0027	4M212	*
Carrier	High-Efficiency Furnaces	5M065	†
Carrier	High-Efficiency Furnaces	5M066	†

HP	Nameplate RPM	Rotation	Thermal Protection	Voltage	Full Load Amps	Bearings	Stack Size	Shaft Dia.	Shaft Length	Length Less Shaft	Cord Length	Item No.	
Stud/Hole Mount													
1/500	3000	CWSE	Impedance with One-Shot Backup	115	0.26	Sleeve	⅜"	3/16"	1"	1½"	12"	**4M067**	
	3000	CWSE		115	0.41	Sleeve	½"	3/16"	1"	1⅝"	12"	**4M068**	
1/250	3000	CWSE		230	0.17	Sleeve	½"	3/16"	1"	1⅝"	12"	**4M069**	
	3000	CWSE		120	0.37	Ball	½"	3/16"	2"	1⅝"	12"	**4M077**	
	3000	CWSE		115	0.54	Sleeve	⅝"	3/16"	1"	1 1/16"	12"	**4M070**	
1/150	3000	CWSE		230	0.24	Sleeve	⅝"	3/16"	1"	1 1/16"	12"	**4M071**	
	3000	CWSE		120	1.0	Ball	⅝"	3/16"	2"	1 1/16"	12"	**4M078**	
1/100	3000	CWSE		115	0.62	Sleeve	⅞"	3/16"	1"	2"	12"	**4M072**	
	3000	CWSE	One-Shot	115	1.2	Sleeve	⅞"	3/16"	1"	2"	12"	**4M073**	
1/70	3000	CWSE		230	0.48	Sleeve	⅞"	3/16"	1"	2"	12"	**4M074**	
	3000	CWSE		115	1.0	Sleeve	⅞"	3/16"	1"	2"	12"	**4M075**	
	3000	CWSE		120	0.96	Ball	⅞"	3/16"	2"	1⅞"	12"	**4M079**	
1/40	3000	CWSE		115	1.2	Sleeve	1½"	¼"	1"	2⅝"	12"	**4M076**	
	3000	CWSE		115	1.4	Ball	1½"	¼"	2"	2½"	12"	**4M080**	
1/20	3000	CWSE		120	2.8	Sleeve	2"	¼"	1"	3⅛"	12"	**5M064**	
Stud Mount													
	2750	CWSE	One-Shot	120	0.52	Sleeve	1 1/16"	7/32"	2 5/16"	2⅝"	6"	**4M180**	*
1/150	2800	CCWSE		120	0.93	Sleeve	½"	7/32"	1¾"	1 13/16"	5"	**4M209**	*
	2800	CCWSE	Impedance with One-Shot Backup	120	0.59	Sleeve	⅝"	3/16"	1 9/16"	1 9/16"	7"	**4M210**	*
	2850	CWSE		120	0.61	Sleeve	⅝"	3/16"	1 5/16"	1 9/16"	5"	**4M211**	*
1/125	2750	CWSE		120	0.89	Sleeve	½"	3/16"	1⅛"	1 5/32"	4"	**4M212**	*
Hole Mount													
1/40	3200	CWSE	One-Shot	120	3.9	Ball	1½"	7/32, 5/16"	¾, 2"	2⅝"	5"	**5M065**	†
	3200	CWSE		230	1.9	Ball	1½"	7/32, 5/16"	¾, 2"	2⅝"	5"	**5M066**	†

** 2-prong non-polarized plug. † Molex 2-pin plug.*

No. 4M249

No. 3HEH1

No. 3LC32

Dayton — ACME MIAMI — Supplier Diversity

Shaded Pole C-Frame Motor Kits for Ventilation/Refrigeration

- Nameplate RPM: 3000
- Enclosure: open air-over
- Max. ambient temp.: 40°C
- Duty: continuous

UL Recognized and CSA Certified.

HP	Includes	Rotation	Thermal Protection	Voltage	Full Load Amps	Bearings	Shaft Dia.	Shaft Length	Cord Length	Brand	Mfr. Model	Item No.
1/200	2" Long Break-Off Shaft, Adapters, Brackets, Mounting Hardware and Instructions	CWSE	Impedance with One-Shot Backup	120	0.26	Sleeve	⅛"	2½"	6"	Dayton	—	**4M249**
1/150	(2) H-Brackets, (4) Bushings and (3) Fan Blades	CW/CCW	Impedance	115	0.35	Ball	¼"	1⅜"	9"	Dayton	—	**3HEH1**
1/135	Hub Adapter, H-brackets, Screws, Washers and Wire Nuts, 4 and 5½" fan blades	CW/CCW	Impedance	115	0.35	Sleeve	3/16"	1⅜"	12"	Dayton	—	**4M987**
1/135	2 Double Male Electrical Terminals and 4" Dia. Fan Blade	CCWSE	Impedance	115	0.30	Sleeve	3/16"	1½"	—	Dayton	—	**3LC32**
1/55	Mounting Blocks and (3) Fan Blades (5, 5½ and 6" Diameter)	CW/CCW	Auto	115/230	0.91/0.45	Sleeve	3/16"	⅞"	—	Acme-Miami	7472	**16U069**
1/45	(2) H-Brackets, (2) Fan Blades, Hardware and Shaft Adapters to Fit ¼ and 5/16" Bores and Hubless Blades	CW/CCW	Auto	115/230	1.1/0.55	Sleeve	3/16"	1 5/16"	—	Dayton	—	**3HEH2**

Shaded Pole Unit Bearing Motors

- Enclosure: totally enclosed air-over
- 60/50 Hz
- Service factor: 1.0
- Insulation: Class A
- Mounting: horizontal or vertical shaft up

Use with commercial and industrial HVAC and refrigeration equipment, and other applications with 6" to 12" fan blades. Motors have oil circulation system to help extend the life of motor and bearings, and allow for vertical application.

Output Watts	HP	Nameplate RPM	Thermal Protection	Voltage	Full Load Amps	Body Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	CLOCKWISE FACING LEAD END Item No.	COUNTERCLOCKWISE FACING LEAD END Item No.
Cast-Aluminum Housing											
Rear/Double Foot Mounting											
5	1/150	1550	Impedance	115	0.34	3½"	½"	2⅝"	40°C	**4YFF7**	**4YFF6**
6	1/125	1550	Impedance	115	0.42	3½"	½"	2⅝"	40°C	**4YFF9**	**4YFF8**
9	1/83	1550	Auto	115	0.62	3½"	½"	2⅝"	40°C	**4YFG2**	**4YFG1**
9	1/83	1550	Auto	230	0.33	3½"	½"	2⅝"	40°C	**4YFG4**	**4YFG3**
Rear/Foot Mounting											
2	1/370	1550	Impedance	115	0.25	3½"	½"	2⅜"	40°C	**4YFH5**	—
2.3	1/370	1550	Impedance	115	0.25	3½"	½"	3⅜"	40°C	**4YFG5**	—
4	1/185	1550	Impedance	115	0.34	3½"	½"	3⅜"	40°C	**4YFJ2**	**4YFJ3**
4	1/185	1550	Impedance	230	0.17	3½"	½"	3⅜"	40°C	**4YFJ4**	**4YFJ5**
6	1/125	1550	Impedance	115	0.42	3½"	½"	3 13/16"	40°C	**4YFJ6**	—
9	1/83	1550	Auto	115	0.62	3½"	½"	3 13/16"	40°C	**4YFJ7**	**4YFJ8**
9	1/83	1550	Auto	230	0.33	3½"	½"	3 13/16"	40°C	**4YFJ9**	**4YFK1**
16	1/47	1550	Auto	115	1.1	3½"	½"	4 3/32"	40°C	**4YFK4**	**4YFK5**
16	1/47	1550	Auto	230	0.60	3½"	½"	4 3/32"	40°C	**4YFK6**	—
Cast-Iron Housing											
Rear/Foot Mounting											
2.5	1/300	1550	Impedance	115	0.25	3½"	½"	3⅜"	40°C	**4YFH6**	—
4	1/185	1550	Impedance	115	0.34	3½"	½"	3⅜"	40°C	**4YFG8**	**4YFG9**
4	1/185	1550	Impedance	230	0.17	3½"	½"	3⅜"	40°C	**4YFK2**	**4YFK3**
6	1/125	1550	Impedance	115	0.42	3½"	½"	3 13/16"	40°C	**4YFG7**	**4YFG6**
9	1/83	1550	Auto	115	0.62	3½"	½"	3 13/16"	40°C	**4YFH3**	**4YFH2**
9	1/83	1550	Auto	230	0.33	3½"	½"	3 13/16"	40°C	**4YFH4**	**4YFH1**
16	1/47	1550	Auto	115	1.1	3½"	½"	4 1/16"	40°C	**4YFH7**	**4YFH9**
16	1/47	1550	Auto	230	0.60	3½"	½"	4 1/16"	40°C	**4YFH8**	**4YFJ1**

No. 4YFG5

No. 4YFF6

Kryo™ SSC ECM Unit Bearing Motors

- Enclosure: totally enclosed air-over
- Rotation: CWLE
- Thermal protection: electronic
- 60 Hz
- Service factor: 1.0
- Insulation: Class B
- Mounting: rear/foot
- 1/4"-20 threaded shaft
- Plug type: round 2-pin

For use in commercial refrigeration evaporator fan applications and in most applications requiring high efficiency and output ratings between 4 and 25W. Aluminum housing. UL Recognized and IP65 compliant.

Output Watts	Nameplate RPM	Voltage	Full Load Amps	Body Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Mfr. Model	Item No.
25 to 9	1550	115	0.60	3½"	⅜"	3¼"	55°C	5R999	**39D813**
16 to 4	1550	115	0.40	3½"	⅜"	3¼"	55°C	5R031	**39D812**
12 to 4	1550	115	0.30	3½"	⅜"	3¼"	55°C	5R029	**39D810**
4 to 16	1550	208-230	0.15	3½"	⅜"	3¼"	55°C	5R030	**39D811**
—	1550	115	0.30	3 5/16"	5/16"	—	40°C	5R033	**48UU58** *

** Fan pack assembly with fan blade.*

No. 39D810

ECM Direct-Drive Unit Bearing Fan Motors

- Enclosure: totally enclosed air-over
- Thermal protection: auto
- Insulation: Class A
- Mounting: rear/double foot
- Body dia.: 3½"
- Max. ambient temp.: 40°C
- Plug type: round 2-pin

Suitable for evaporator fans, walk-in coolers and freezers, ice machines, beverage merchandisers, and vending machines. Threaded ¼-20 shaft. Cast-iron frame. Evaporator-duty only. Include speed nut and mounting screws. UL and C-UL Recognized.

Output Watts	HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Shaft Orientation	Length Less Shaft	Mfr. Model	Item No.
14 to 16	1/30	1550	CWLE	115	0.58	Horizontal or Up	3¾"	UTB1CC1551EM56	**5ULC9**
6 to 12	1/60	1550	CWLE	115	0.30	Horizontal or Up	3¾"	UTB1CB1551EM56	**5ULC8**

No. 5ULC8

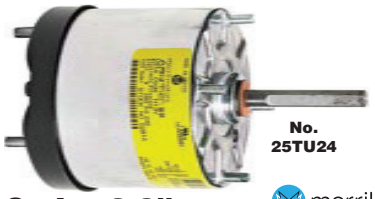
Shaded Pole Unit Bearing Motors

- Service factor: 1.0
- Mounting: rear/double foot
- Max. ambient temp.: 40°C
- Duty: continuous
- Shaft orientation: horizontal or up
- Plug type: round 2-pin
- Original OEM replacement motor

Feature precision-machined housing with positive-flow lubrication and a preoiled felt wick for extended use with no reoiling. #8 mounting holes, 2 13/16" OC. ¼-20 threaded shafts, except Nos. 4M159 and 4M160 have ⅜" dia. with flat. No. 2MY41 has 5/16" 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. All motors are UL Recognized and CSA Certified, except Nos. 5YJN8 and 5YJN9 are UL and C-UL Recognized only.

Output Watts	HP	Nameplate RPM	Rotation	Thermal Protection	Voltage	Full Load Amps	Ins. Class	Body Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.
Totally Enclosed Air-Over												
5	1/150	1550	CWLE	Impedance	115	0.40	B	3½"	⅜"	2½"	SPFBC51	**5YJN8**
9	1/85	1550	CWLE	Auto	115	0.60	B	3½"	⅜"	3"	SPFBE91H	**5YJN9**
16	1/47	1500	CWLE	Auto	115	0.80	A	3⅞"	½"	3½"	ESP-L16EM1	**4M153**
16	1/47	1500	CWLE	Auto	230	0.40	A	3⅞"	½"	3½"	ESP-L16EM2	**4M154**
25	1/30	1500	CWLE	Auto	115	1.1	A	3⅞"	½"	3½"	ESP-L25EM1	**4M155**
25	1/30	1500	CWLE	Auto	230	0.60	A	3⅞"	½"	3½"	ESP-L25EM2	**4M156**
35	1/20	1500	CWLE	Auto	115	1.4	A	3⅞"	½"	3½"	ESP-L35EM1	**4M157**
35	1/20	1500	CWLE	Auto	230	0.70	A	3⅞"	½"	3½"	ESP-L35EM2	**4M158**
Open Air-Over												
50	1/15	1500	CWLE	Auto	115	1.7	A	3⅞"	1½"	4⅝"	ESP-OL50EM1	**4M159**
50	1/15	1500	CWLE	Auto	208-230	1.1-1.2	A	3⅞"	1½"	4¼"	ESP-OL60EM2	**4M160**
50	1/15	1500	CCWLE	Auto	208-230	0.77-0.85	A	3⅞"	1½"	3¾"	ESP-OL50EMJR21	**2MY41**
50	1/15	1500	CWLE	Auto	115	1.70	A	3⅞"	13/32"	5 19/32"	ESP-OL50EM16H	**40GN88**
50	1/15	1500	CWLE	Auto	230	0.85	A	3⅞"	13/32"	5 19/32"	ESP-OL50EM26H	**40GN89**

No. 4M159



Arktic 59® Series 3.3" ECM Direct-Drive Blower Motors

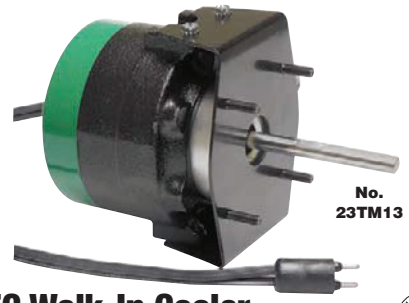
morrillmotors

- Enclosure: totally enclosed air-over
- Thermal protection: electronic
- Insulation: Class B
- Mounting: stud
- Bearings: ball
- Max. ambient temp.: 40°C
- Shaft orientation: all-angle
- Plug type: round 2-pin

Feature higher efficiency than standard induction motors for greater energy savings. Can maintain the rated rpm (±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 evaporator fan motors used in beverage merchandisers, display cases, freezers, ice machines, vending machines, and walk-in coolers. UL Recognized.

HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	CLOCKWISE LEAD END Item No.	COUNTER CLOCKWISE LEAD END Item No.
1/15	1550	115	1.1	5/16"	1"	3 13/16"	—	25TU28 *†
	1550	115	1.1	5/16"	2 5/8"	3 13/16"	25TU24	25TU25
	1550/800	115	1.1	5/16"	2 5/8"	3 3/16"	40TL72	40TL71
	1550	208-230	0.60-0.60	5/16"	1"	3 13/16"	—	25TU33 *
	1550	208-230	0.60-0.60	5/16"	2 5/8"	3 13/16"	25TU29 *	25TU30 *
	1550/800	208-230	0.63	5/16"	2 5/8"	3 3/16"	40TL69	40TL70

** Front and rear mounting. † Front mounting only.*



3.3" EC Walk-In Cooler Evaporator Motors

- Enclosure: totally enclosed air-over
- Thermal protection: auto
- Insulation: Class B
- Mounting: stud
- Bearings: unit
- Max. ambient temp.: 40°C
- Shaft orientation: horizontal or vertical shaft down
- Plug type: round 2-pin

Nos. 23TM13 and 23TM14 are counter clockwise lead end and No. 23TM16 is clockwise lead end, featuring higher efficiency than standard induction motors for greater energy savings. Can maintain the rated rpm (±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 and C-UL Recognized.

HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Item No.
1/15	1550	115	1.2	5/16"	2.6"	3 1/2"	23TM13
	1550	115	1.2	5/16"	2.6"	3 1/2"	23TM16
	1550	230	0.77	5/16"	2.6"	3 1/2"	23TM14

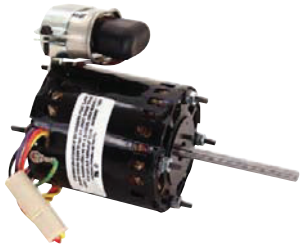
3.3"-Dia. PSC Motors

- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class B
- Mounting: stud
- Bearings: ball
- Max. ambient temp.: 40°C
- Duty: continuous

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.

HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Cord Length	Item No.	
Open Air-Over										
1/100	1550	CW/CCW	120	0.22	1/4"	1 1/2"	4"	20"	20HN87	‡#
1/70	1550	CW/CCW	120	0.30	1/4"	1 1/2"	4"	20"	20HN88	‡#
1/50	1550	CW/CCW	120	0.35	1/4"	1 1/2"	4"	20"	20HN89	‡#
1/40	1550	CW/CCW	120	0.37	1/4"	1 1/2"	4"	20"	20HN90	‡#
1/30	1550	CW/CCW	120	0.50	1/4"	1 1/2"	4"	20"	20HN91	‡#
1/25	1550	CW/CCW	120	0.59	1/4"	1 1/2"	4"	20"	20HN92	‡#
1/20	3000	CW/CCW	115	0.63	5/16"	2 1/2"	3 11/16"	20"	6NZP6	
	1550	CW/CCW	115	0.80	5/16"	2 1/2"	3 11/16"	20"	3RCX2	
	1550	CW/CCW	208-230	0.40-0.38	5/16"	2 1/2"	3 11/16"	20"	3RCX8	†
	1550	CW/CCW	120	0.73	1/4"	1 1/2"	4"	20"	20HN93	‡#
1/15	3000	CW/CCW	208-230	0.41-0.36	5/16"	2 1/2"	3 15/16"	20"	6NZR0	†
	1625	CWSE	115	1.00	5/16"	2 1/4"	5"	12"	3M499	*
	1550	CW/CCW	115	1.0	5/16"	2 1/2"	3 15/16"	20"	3RCX3	
	1550	CW/CCW	208-230	0.50-0.46	5/16"	2 1/2"	3 15/16"	20"	3RCX9	†
	1550	CW/CCW	120	0.93	1/4"	1 1/2"	4 1/4"	20"	20HN94	‡#
1/10	3000	CW/CCW	115	1.2	5/16"	2 1/2"	4 1/4"	20"	6NZP8	
	1550	CW/CCW	115	1.4	5/16"	2 1/2"	4 1/4"	20"	3RCX4	
	1550	CW/CCW	120	1.5	1/4"	1 1/2"	4 11/16"	20"	20HN95	‡#
Totally Enclosed Air-Over										
1/100	1550	CW/CCW	120	0.21	1/4"	1 1/2"	4"	20"	20HN78	‡#
1/70	1550	CW/CCW	120	0.27	1/4"	1 1/2"	4"	20"	20HN79	‡#
1/50	1550	CW/CCW	120	0.32	1/4"	1 1/2"	4"	20"	20HN80	‡#
1/40	1550	CW/CCW	120	0.37	1/4"	1 1/2"	4"	20"	20HN81	‡#
1/25	1550	CW/CCW	120	0.54	1/4"	1 1/2"	4"	20"	20HN83	‡#
1/20	3000	CW/CCW	208-230	0.32-0.29	5/16"	2 1/2"	3 11/16"	20"	6NZR8	†
	1550	CW/CCW	115	0.70	5/16"	2 1/2"	3 11/16"	20"	3RCX5	
1/15	3000	CW/CCW	115	0.80	5/16"	2 1/2"	3 15/16"	20"	6NZR3	
	3000	CW/CCW	208-230	0.40-0.38	5/16"	2 1/2"	3 15/16"	20"	6NZR6	†
	1550	CW/CCW	208-230	0.50-0.45	5/16"	2 1/2"	3 15/16"	20"	3RCY3	
	1550	CW/CCW	120	0.85	1/4"	1 1/2"	4 1/4"	20"	20HN85	‡#
1/10	3000	CW/CCW	208-230	0.62-0.56	5/16"	2 1/2"	4 1/4"	20"	6NZR7	†
	1550	CW/CCW	120	1.4	1/4"	1 1/2"	4 5/8"	20"	20HN86	‡#
Totally Enclosed Fan-Cooled										
1/8	3000	CW/CCW	115	1.30	5/16"	2 5/16"	5 15/16"	12"	3M292	
	3000	CW/CCW	230	0.60	5/16"	2 5/16"	5 3/16"	12"	4M090	*†

** Requires capacitor No. 2MDV3, available on Grainger.com®. † 60/50 Hz. ‡ Includes bracket and removable studs. # 2-prong polarized plug.*



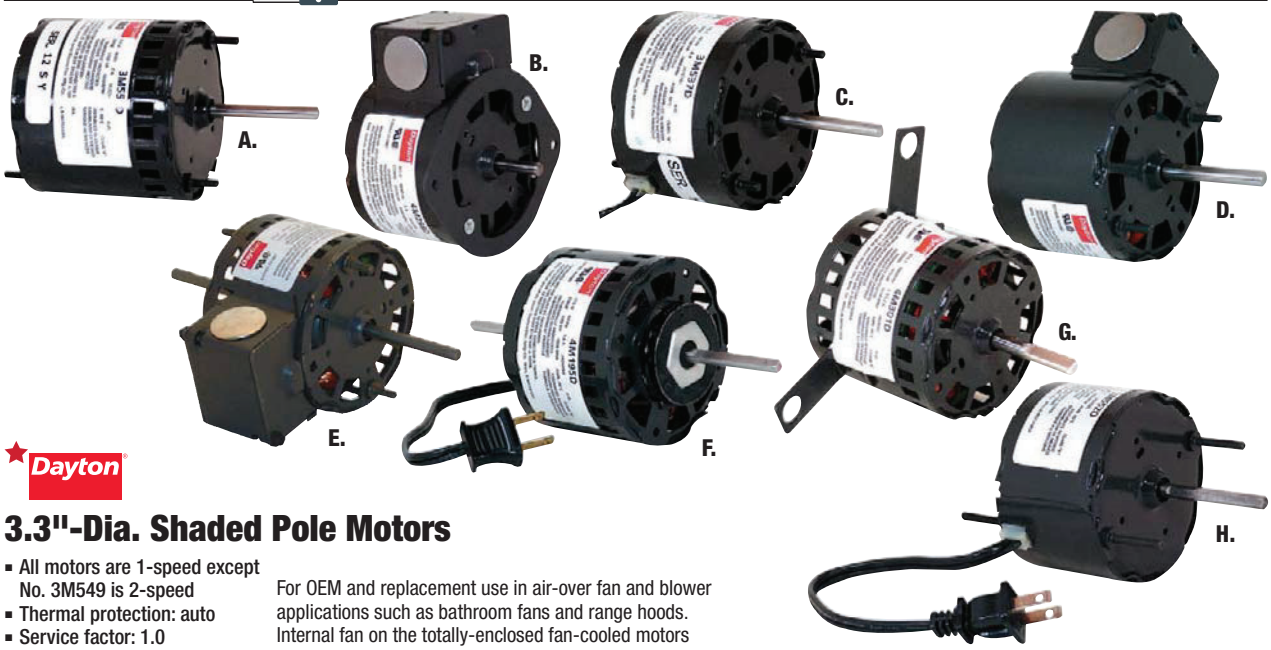
3-in-1™ HP 3.3"-Dia. PSC Motor

FASCO AC MOTORS & BLOWERS

- Enclosure: open air-over
- Thermal protection: auto
- 60/50 Hz
- Service factor: 1.0
- Insulation: Class B
- Mounting: stud
- Bearings: ball
- Max. ambient temp.: 40°C
- Duty: continuous

Open air-over motor replaces 1/12, 1/15, and 1/20 HP PSC and low-efficient 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.

HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Item No.
1/12	1550	CW/CCW	115/208-230	1.1/0.50	5/16"	3 1/8"	4 1/8"	2NFD1



Dayton

3.3"-Dia. Shaded Pole Motors

- All motors are 1-speed except No. 3M549 is 2-speed
- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class B
- Max. ambient temp.: 40°C
- Duty: continuous

For OEM and replacement use in air-over fan and blower applications such as bathroom fans and range hoods. Internal fan on the totally-enclosed fan-cooled motors makes these motors suitable for mechanical-duty applications such as pumps, diaphragm compressors, laboratory equipment, and business machines. All-steel construction. UL Recognized and CSA Certified.

HP	Key	Nameplate RPM	Rotation	Voltage	Full Load Amps	Bearings	Mounting	Stud/Base Mtg. Pattern	Stud Location*	Shaft Dia.	Shaft Length	Length Less Shaft	Cord Length	Item No.
Open Air-Over, 3.3" Body Dia.														
1/125	B	3000	CCWSE	115	0.49	Sleeve	Face	3 7/8" x 3 7/8"	2/BE	1/4"	3/4"	2 15/16"	6"	**4M298**
	C	3000	CWSE	115	0.60	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 1/4"	2 3/4"	12"	**3M537**
1/100	C	1550	CWSE	115	0.70	Sleeve	Stud	2 7/8"	2/SE	1/4"	2 1/4"	2 1/8"	12"	**3M534**
	C	1550	CCWSE	115	0.70	Sleeve	Stud	2 7/8"	2/SE	1/4"	2 1/4"	2 3/4"	12"	**3M535**
	C	1550	CWSE	115	0.70	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 1/4"	2 3/4"	12"	**3M536**
	A	3000	CWSE	115	0.70	Sleeve	Stud	2 7/8"	2/SE	1/4"	1 3/8"	3 1/2"	12"	**4M299**
1/70	A	1550	CWSE	115	0.70	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 1/4"	3 1/8"	16"	**3M560**
	C	1550	CWSE	115	0.75	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 1/4"	2 5/8"	21"	**3M538**
	C	1550	CCWSE	115	0.75	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 3/8"	2 5/8"	21"	**3M539**
	C	3000	CWSE	115	0.80	Sleeve	Stud	2 7/8"	2/SE	1/4"	2 1/4"	2 1/2"	12"	**3M729**
1/50	C	1550	CWSE	115	0.80	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 1/4"	3 1/16"	21"	**3M542**
	C	1550	CCWSE	115	0.85	Sleeve	Stud	2" x 2"	4/OSE	1/4"	2 1/4"	2 1/4"	10"	**4M193** †
	D	1550	CWSE	230	0.50	Sleeve	Stud	2 7/8"	2/SE	5/16"	2 1/4"	2 1/2"	12"	**3M726**
	C	3000	CWSE	115	0.90	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 3/8"	3 3/16"	12"	**3M545**
	E	3000	CCWLE	115	0.98	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 1/4"	2 9/16"	12"	**3M730**
	A	1550	CWSE	115	1.00	Sleeve	Stud	2 7/8"	2/BE	5/16"	2"	4 3/16"	15"	**3M562**
1/40	C	1550	CWSE	115	1.10	Sleeve	Stud	2 7/8"	2/BE	5/16"	2 5/16"	3 1/8"	12"	**3M543**
	C	1550	CCWSE	115	1.10	Sleeve	Stud	2 7/8"	2/BE	5/16"	2 5/16"	3 1/8"	12"	**3M544**
	D	1550	CWSE	115	1.10	Sleeve	Stud	2 7/8"	2/SE	5/16"	2 5/16"	2 1/2"	12"	**3M722**
	E	1550	CWLE	115	1.15	Sleeve	Stud	2 7/8"	2/BE	5/16"	2 5/16"	5 3/8"	12"	**3M724**
	D	3000	CWSE	230	0.60	Sleeve	Stud	2 7/8"	2/SE	5/16"	2 1/4"	3 1/8"	6"	**3M725**
1/30	D	3000	CWSE	115	1.20	Sleeve	Stud	2 7/8"	2/SE	5/16"	2 3/8"	3"	12"	**3M777**
	C	1550	CWSE	115	1.20	Sleeve	Stud	2" x 2"	4/BE	5/16"	2 1/4"	3 1/2"	16"	**3M546**
	C	1550	CWSE	115	1.20	Sleeve	Stud	2" x 2"	4/SE	5/16"	2 3/8"	2 7/8"	21"	**3M549**
1/25	D	3000	CWSE	115	1.20	Sleeve	Stud	2 7/8"	2/SE	1/4"	2 1/4"	3"	12"	**3M728**
	F	1550	CWLE	115	1.80	Sleeve	Ring	—	2/BE	1/4"	2 3/8" & 2 3/8"	4 15/16"	10"	**4M195** †
	D	1550	CWSE	115	2.10	Sleeve	Stud	2" x 2"	4/SE	5/16"	2 1/4"	2 3/4"	6"	**3M778**
1/20	E	1550	CCWLE	115	2.10	Sleeve	Stud	2" x 2"	4/BE	5/16"	2 5/16"	5 3/16"	12"	**3M083**
	E	1550	CWSE	115	2.00	Sleeve	Stud	2" x 2"	4/BE	5/16"	2"	3 1/2"	16"	**3M547**
1/15	C	3000	CWSE	115	2.00	Sleeve	Stud	2" x 2"	4/SE	5/16"	2 1/4"	3 3/8"	16"	**3M548**
	G	1550	CCWSE	115	2.50	Sleeve	Lug	6 1/8"	2/BE	5/16"	2"	3"	12"	**4M301**
Totally Enclosed Air-Over, 3.3" Body Dia.														
	H	1550	CWSE	115	0.60	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 5/16"	3 1/4"	10"	**3M552** †
1/100	H	1550	CCWSE	115	0.60	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 1/4"	3 1/4"	10"	**3M660** †
	I	1550	CW/CCW	115	0.60	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 3/8"	2 7/8"	12"	**4M216**
1/70	I	1550	CWSE	115	0.70	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 1/4"	2 7/8"	12"	**3M554**
	I	1550	CCWSE	115	0.70	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 1/4"	2 13/16"	12"	**3M661**
	I	1550	CWSE	115	1.00	Sleeve	Stud	2 7/8"	2/BE	5/16"	2 1/4"	3 3/8"	12"	**3M555**
1/40	I	1550	CCWSE	115	1.00	Sleeve	Stud	2 7/8"	2/BE	5/16"	2 1/4"	3 3/8"	12"	**3M662**
	J	1550	CWSE	115	1.10	Sleeve	Stud	2 7/8"	2/SE	5/16"	2 5/16"	2 3/4"	12"	**3M556**
	I	3000	CWSE	115	1.20	Sleeve	Stud	2 7/8"	2/BE	1/4"	2 9/16"	3 7/8"	12"	**4M094**
1/30	I	1550	CCWSE	115	1.20	Sleeve	Stud	2 7/8"	2/BE	5/16"	2 1/2"	3 1/2"	12"	**4M199**
	K	1550	CWSE	115	1.20	Sleeve	Stud	2" x 2"	4/BE	5/16"	2 1/4"	3 3/8"	15"	**3M557**
Totally Enclosed Fan-Cooled, 4" Body Dia.														
	L	1550	CWSE	115	2.0	Sleeve	Stud	2" x 2"	4/SE	5/16"	2 1/4"	4 1/4"	12"	**5K001**
	L	1550	CWSE	115	1.80	Ball	Stud	2" x 2"	4/SE	5/16"	2 1/4"	4 1/4"	12"	**5K004**
1/20	L	1550	CWSE	230	0.90	Sleeve	Stud	2" x 2"	4/SE	5/16"	2 1/4"	4 1/4"	12"	**5K003**
	L	1550	CWSE	230	1.00	Ball	Stud	2" x 2"	4/SE	5/16"	2 1/4"	4 1/4"	12"	**3M001**
	L	1550	CCWSE	115	1.80	Ball	Stud	2" x 2"	4/SE	5/16"	2 1/4"	4 1/4"	12"	**3M290**
	L	3000	CWSE	115	1.80	Sleeve	Stud	2" x 2"	4/SE	5/16"	2 1/4"	5"	12"	**4M204**
1/15	L	1550	CWSE	115	2.30	Sleeve	Stud	2" x 2"	4/SE	5/16"	2 3/8"	4 1/2"	12"	**3M363**
	L	1550	CCWSE	115	2.30	Sleeve	Stud	2 7/8"	2/SE	5/16"	2 3/8"	4 1/2"	12"	**3M291**
	M	1550	CWSE	115	2.30	Sleeve	Cradle Base	3 3/4" x 2 3/4"	2/BE	5/16"	2"	5 1/2"	12"	**3M364**

** BE = Both Ends, SE = Shaft End, OSE = Opposite Shaft End. † 2-prong polarized plug.*

3.3"-Dia. 1-Phase Motors

FASCO AC MOTORS & BLOWERS

- Thermal protection: all auto except for No. 38N527
- Service factor: 1.0
- Max. ambient temp.: 40°C
- Duty: continuous

Suitable for air-moving or mechanical applications, including fans, air conditioners, heaters, pumps, and compressors. PSC motors include capacitor. Stud base pattern is 2⅞" x 2⅞", except No. 38N540 is 3⅞" x 3⅞". UL Recognized and CSA Certified, except Nos. 32NA47, 38N515, 38N516, 38N528, 38N535, 38N538, 38N552, are UL Recognized only.

Shaded Pole, Totally Enclosed Air-Over

Shaded Pole, Totally Enclosed Fan-Cooled

Shaded Pole, Totally Enclosed Nonventilated

Permanent Split Capacitor, Open Dripproof

Permanent Split Capacitor, Totally Enclosed Fan-Cooled

HP	Nameplate RPM	No. of Speeds	Rotation	Voltage	Full Load Amps	Ins. Class	Mounting	Stud Location‡	Bearings	Shaft Dia.	Shaft Length	Length Less Shaft	Cord Length	Mfr. Model	Item No.	
Shaded Pole, Open Air-Over																
	1550	1	CWSE	115	2.1	B	Stud	4/BE	Sleeve	5/16"	3"	3"	13"	D1124	**32NA49**	**
	1550	1	CWSE	208-230	1.0-1.0	B	Stud	4/SE	Sleeve	5/16"	2 5/8"	4 1/4"	32"	D470	**32NA56**	
	1550	1	CCWSE	208-230	1.1-1.1	B	Stud	4/SE	Sleeve	5/16"	2 1/2"	4 1/4"	35"	D471	**32NA57**	
1/20	1550	1	CCWSE	115	2.0	B	Stud	4/SE	Sleeve	5/16"	2 5/8"	4 1/4"	34"	D473	**32NA59**	
	1550	1	CWSE	115	2.0	B	Stud	4/SE	Sleeve	5/16"	2 5/8"	4 1/4"	34"	D472	**32NA60**	
	1500	1	CCWSE	115	1.9	B	Stud	4/BE	Sleeve	5/16"	2 1/4"	2 3/4"	15"	D1101	**32NA51**	**
	1500	1	CCWSE	208-230	1.15-1.35	B	Stud	4/BE	Sleeve	5/16"	2 1/4"	3"	15"	D1103	**32NA52**	**
	1450	1	CCWLE	208-230	0.9-1.0	B	Stud	4/BE	Sleeve	5/16"	2 1/8"	3 1/4"	14"	D0396	**32NA47**	**
1/15	1550	1	CWSE	208-230	1.1-1.1	B	Stud	4/BE	Sleeve	5/16"	3"	3 5/8"	13"	D1126	**32NA50**	**
	1550	1	CCWSE	115/208-230	1.9/0.84-0.94	B	Face	—	Ball	5/16"	2 1/2"	4 1/2"	—	D671B	**32NA58**	
Shaded Pole, Open Dripproof																
1/160	600	1	CCWSE	208-240	0.50-0.50	B	Stud	4/OSE	Sleeve	5/16"	1"	2 5/8"	—	D107	**38N526**	
1/125	1500	2	CCWLE	115	0.50	B	Stud	4/BE	Sleeve	1/4"	3 1/4"	2 3/16"	—	D129	**38N527**	†
	3000	1	CCWSE	115	0.62	A	Stud	2/OLE	Sleeve	1/4"	1/4"	2 1/4"	—	D201	**38N516**	
1/100	3000	1	CCWSE	120	0.60	B	Stud	4/BE	Sleeve	1/4"	3 1/2"	2 7/16"	—	D229	**38N529**	
	1540	1	CW/CCW	115	0.60	B	Lug	—	Sleeve	5/16"	1"	3 1/8"	—	D1162	**38N528**	
1/90	1300/1550	1	CCWSE	240	0.40	B	Stud	4/BE	Sleeve	1/4"	1 1/2"	2 1/2"	—	D1119	**38N530**	
1/85	3000	1	CWSE	115	0.62	A	Stud	2/OLE	Sleeve	1/4"	2 3/8"	2"	—	D200	**38N515**	
	3000	1	CWSE	115	0.62	A	Stud	4/BE	Sleeve	1/4"	2 1/4"	2 3/8"	—	D202	**38N531**	
	3000	1	CWSE	115	0.92	B	Stud	4/BE	Sleeve	1/4"	2"	2 1/2"	—	D228	**38N532**	
1/50	2500/3000	1	CWSE	230	0.64	B	Stud	4/BE	Sleeve	1/4"	1 5/16"	3 3/4"	—	D608	**38N518**	
	1300	3	CWSE	120	1.1	B	Stud	4/BE	Sleeve	1/4"	1 3/4"	2 5/16"	—	D1134	**38N533**	
	1550	1	CCWSE	115	1.0	B	Stud	2/OSE	Sleeve	1/4"	1 3/4"	2 1/8"	—	D106	**38N535**	
1/40	1550	1	CCWSE	115	1.0	B	Stud	2/OSE	Sleeve	1/4"	1 1/2"	2 3/16"	—	D105	**38N538**	
	1500/1250	1	CWSE	230	0.60	B	Stud	4/BE	Sleeve	1/4"	2 1/4"	2 1/2"	—	D190	**38N536**	
	1500	3	CCWLE	115	1.3	B	Stud	4/BE	Sleeve	5/16"	4"	2 1/2"	—	D128	**38N537**	†
	3000	1	CCWLE	115	1.1	A	Stud	4/BE	Sleeve	1/4"	3 1/4"	3 5/8"	—	D209	**38N519**	†
	3000	1	CWSE	115	1.1	A	Stud	4/BE	Sleeve	1/4"	3"	3 5/8"	—	D208	**38N520**	
	1550	1	CCWSE	115	1.3	B	Stud	4/BE	Sleeve	5/16"	2 1/4"	2 5/8"	—	D515	**38N541**	
1/30	1550	2	CWSE	115	1.4	B	Stud	4/BE	Sleeve	5/16"	1 1/2"	2 13/16"	—	D532	**38N542**	
	1500	1	CWLE	115	1.3	B	Stud	4/BE	Sleeve	5/16"	2"	3 3/16"	—	D136	**38N539**	†
	1500	1	CWSE	240	2.6	B	Stud	4/BE	Ball	5/16"	3 1/2"	3"	—	D1118	**38N540**	
	1500	2	CCWSE	115	1.3	B	Stud	4/BE	Sleeve	5/16"	2 1/4"	2 5/8"	—	D181	**38N543**	
	3000	1	CWSE	230	0.65	B	Stud	4/BE	Sleeve	1/4"	2 1/4"	3 1/4"	—	D216	**38N548**	
	1550	1	CWLE	115	1.8	B	Stud	4/BE	Sleeve	5/16"	1 7/8"	3"	—	D364	**38N545**	†
1/25	1550	1	CWLE	115	2.0	B	Stud	4/BE	Sleeve	5/16"	1 7/8"	2 7/8"	—	D365	**38N546**	†
	1550	2	CWSE	115	1.5	B	Stud	4/BE	Sleeve	5/16"	2"	3 1/4"	—	D332	**38N549**	
	1500/1200	1	CCWLE	230	0.90	B	Stud	4/BE	Sleeve	5/16"	3 1/2'	3 1/8"	—	D636	**38N547**	†
	1550	1	CWSE	460	0.50	B	Stud	4/BE	Sleeve	5/16"	2 1/2"	2 3/4"	—	D186	**38N552**	
1/20	1500	1	CWSE	230	0.90	B	Stud	4/BE	Sleeve	5/16"	2 1/4"	2 7/8"	—	D188	**38N550**	
	1500	1	CCWSE	230	0.90	B	Stud	4/BE	Sleeve	5/16"	2 1/4"	2 7/8"	—	D189	**38N551**	
1/16	3000	1	CWLE	115	2.1	B	Stud	2/BE	Sleeve	1/4"	2 3/4"	3 7/8"	—	D213	**38N553**	†
	3000	1	CWLE	230	1.0	A	Stud	2/BE	Sleeve	1/4"	2 1/2"	3 13/16"	—	D211	**38N554**	†
1/15	1600	1	CWSE	120	2.0	B	Stud	4/SE	Sleeve	5/16"	3"	3"	—	D109	**38N555**	
	1600	2	CCWSE	115	2.9	B	Lug	—	Sleeve	5/16"	2"	4 1/4"	—	D1161	**38N556**	
Shaded Pole, Totally Enclosed Air-Over																
	1550	1	CCWSE	115	0.70	B	Stud	2/BE	Sleeve	1/4"	1 1/4"	2"	8"	D1109	**32NA46**	#
1/100	1550	1	CWSE	115	0.60	B	Stud	4/BE	Sleeve	1/4"	2 1/4"	2 5/32"	13"	D540	**32NA53**	#
	1550	1	CCWSE	115	0.60	B	Stud	4/BE	Sleeve	1/4"	2 1/4"	2 5/32"	13"	D541	**32NA54**	#
Shaded Pole, Totally Enclosed Fan-Cooled																
	3000	1	CWSE	115/230	1.7/0.80	A	Stud	4/SE	Sleeve	5/16"	6 1/2"	4 5/8"	—	D214	**38N521**	
1/20	3000	1	CCWSE	115/230	1.7/0.80	A	Stud	4/SE	Ball	5/16"	6 1/2"	4 5/8"	—	D215	**38N522**	
	3000	1	CWSE	115/230	1.7/0.80	A	Stud	4/SE	Ball	5/16"	6 1/2"	4 5/8"	—	D220	**38N523**	
Shaded Pole, Totally Enclosed Nonventilated																
1/80	1500	1	CWSE	115	0.60	B	Stud	4/BE	Sleeve	1/4"	2 1/4"	2 3/16"	—	D122	**38N561**	
	1500	1	CCWSE	115	0.60	B	Stud	4/BE	Sleeve	1/4"	2 1/4"	2 3/8"	—	D123	**38N562**	
	3000	1	CWSE	115	0.75	A	Stud	4/BE	Sleeve	1/4"	1 3/4"	2 3/8"	—	D402	**38N563**	
1/60	3000	1	CCWSE	115	0.75	A	Stud	4/BE	Sleeve	1/4"	2 10/16"	2 11/16"	—	D403	**38N564**	
	1500	1	CWSE	115	0.60	B	Stud	4/BE	Sleeve	5/16"	2 10/16"	2 1/2"	—	D182	**38N565**	
	1550	3	CWSE	115	0.90	B	Stud	4/OLE	Sleeve	5/16"	2 1/2" & 1 1/8"	2 3/4"	—	D1139	**38N534**	
	1500	1	CWSE	115	0.80	B	Stud	4/BE	Sleeve	1/4"	2 1/4"	2 1/2"	—	D124	**38N566**	
1/50	1500	1	CCWSE	115	0.80	B	Stud	4/BE	Sleeve	1/4"	2 1/4"	2 1/2"	—	D125	**38N567**	
	1500	1	CCWSE	115	0.90	B	Stud	4/BE	Sleeve	1/4"	2 1/4"	2 3/16"	—	D601	**38N568**	
	1500	1	CWSE	115	0.90	B	Stud	4/BE	Sleeve	1/4"	2 1/4"	2 3/16"	—	D602	**38N569**	
	1500	1	CWSE	230	0.40	B	Stud	4/BE	Sleeve	1/4"	2 1/2"	2 15/16"	—	D624	**38N570**	
1/40	3000	2	CCWLE	115	1.0	A	Stud	4/BE	Sleeve	1/4"	2 11/16"	2 1/2"	—	D205	**38N571**	†
1/35	1500	2	CWSE	115	1.5	B	Stud	2/OSE	Sleeve	1/4"	1"	2 13/16"	—	D534	**38N572**	
1/30, 1/65	1500	2	CCWLE	115	1.0	B	Stud	4/BE	Sleeve	5/16"	2 13/16"	3 3/16"	—	D137	**38N573**	†
1/25	1550	1	CWSE	115	1.2	B	Lug	2/OSE	Sleeve	5/16"	1 7/8"	3"	—	D184	**38N544**	‡
	1550	1	CWSE	115/230	1.3/0.70	B	Stud	2/BE	Sleeve	5/16"	2 1/2"	3 1/8"	—	D1164	**38N574**	
Permanent Split Capacitor, Open Dripproof																
1/12	1550	1	CW/CCW	115/230	1.1/0.60	B	Stud	4/BE	Sleeve	5/16"	3"	3 1/2"	—	D1127	**38N557**	
1/10	3200	1	CW/CCW	208-230	0.80-0.80	B	Stud	4/BE	Ball	5/16"	3 1/4"	4 1/4"	—	D404	**38N558**	
	1590	1	CWSE	230	1.0	B	Stud	4/BE	Sleeve	5/16"	3 3/4"	4 5/8"	—	D503	**38N560**	
Permanent Split Capacitor, Totally Enclosed Fan-Cooled																
1/20	3200	1	CW/CCW	115	0.80	B	Stud	4/SE	Ball	5/16"	2 1/4"	4 3/8"	—	D218	**38N524**	
1/8	3000	1	CW/CCW	115	1.8	B	Stud	4/SE	Ball	5/16"	2 1/4"	5 1/8"	—	D219	**38N525**	
Permanent Split Capacitor, Totally Enclosed Nonventilated																
1/10	3200	1	CW/CCW	115	1.4	B	Stud	4/BE	Ball	5/16"	3 1/4"	4 1/4"	—	D405	**38N559**	

*† Double shaft motor. ‡ Includes conduit box. # 2-prong polarized plug. ** Round 2-pin plug.*

OPAO,
Stud Mount
No. 3M569

OPAO,
Cradle-Base Mount
No. 3M577

Open,
Stud Mount
No. 3M573

TEAO,
Stud Mount
No. 3M568

4.4"-Dia. Shaded Pole Fan Motors

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

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.

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.	
Open Air-Over												
1/15	1550	1	CWSE	115	2.5	Stud	2¾" x 2¾"	⅜"	2"	3 1/16"	**3M569**	
	1550	2	CWSE	115	2.5	Stud	2¾" x 2¾"	⅜"	2"	4 5/16"	**3M571**	
	1550	1	CWSE	115	2.4	Cradle Base	1 3/16" x 3 15/16"	⅜"	2"	4⅝"	**3M577**	
	1550	1	CWSE	230	1.2	Cradle Base	1 3/16" x 3 15/16"	⅜"	2"	4⅝"	**3M578**	
1/11	1550	3	CCWSE	115	3.0	Stud	2¾" x 2¾"	½"	2⅝"	3¾"	**4M222**	
1/10	1550	1	CWSE	115	3.3	Stud	2¾" x 2¾"	⅜"	2"	4 7/16"	**3M059**	
	1550	1	CWSE	115	2.8	Stud	2¾" x 2¾"	⅜"	2"	4 7/16"	**3M574**	
	1550	2	CWSE	115	3.3	Stud	2¾" x 2¾"	⅜"	2"	4½"	**3M779**	*
Open												
1/15	1550	1	CWSE	115	2.5	Stud	2¾" x 2¾"	⅜"	2"	4⅝"	**3M573**	
1/10	1550	1	CWSE	115	3.3	Stud	2¾" x 2¾"	⅜"	2"	5⅜"	**3M576**	*
	1550	1	CWSE	115	3.3	Cradle Base	2 7/16" x 3 15/16"	⅜"	2"	5 15/16"	**3M580**	
Totally Enclosed Air-Over												
1/20	1550	1	CWSE	115	1.9	Stud	2¾" x 2¾"	⅜"	2"	4 7/16"	**3M567**	
	1550	1	CWSE	115	1.9	Stud	2¾" x 2¾"	⅜"	2"	4 7/16"	**3M568**	*
	1550	1	CWSE	115	1.9	Cradle Base	1 1/16" x 3 15/16"	⅜"	2"	5"	**3M581**	

** Has 5.0 cu.-in. junction box.*

4.4"-Dia. Energy Efficient PSC Fan Motors

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

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.	
Open Air-Over									
1/20	1625	115	1.2	2¾" x 2¾"	⅜"	2½"	3¼"	**10J172**	
	1625/1350	208-230	0.60/0.80	2¾" x 2¾"	⅜"	2½"	3¼"	**10J175**	*
1/15	1625	115	1.6	2¾" x 2¾"	⅜"	2½"	3⅜"	**10J173**	
	1625/1350	208-230	0.60/0.65	2¾" x 2¾"	⅜"	2½"	3⅜"	**10J176**	*
1/10	1625	115	1.8	2¾" x 2¾"	⅜"	2½"	3¾"	**10J174**	
	1625/1350	208-230	0.80/0.95	2¾" x 2¾"	⅜"	2½"	3¾"	**10J177**	*
Totally Enclosed Air-Over									
1/20	1625	115	1.2	2¾" x 2¾"	⅜"	2½"	3⅜"	**10J178**	
	1625/1350	208-230	0.60/0.80	2¾" x 2¾"	⅜"	2½"	3⅜"	**10J181**	*
1/15	1625	115	1.0	2¾" x 2¾"	⅜"	2½"	3½"	**10J179**	
	1625/1350	208-230	0.55/0.58	2¾" x 2¾"	⅜"	2½"	3½"	**10J182**	*
1/10	1625	115	2.0	2¾" x 2¾"	⅜"	2½"	3¾"	**10J180**	
	1625/1350	208-230	0.86/0.94	2¾" x 2¾"	⅜"	2½"	3¾"	**10J183**	*

** 60/50 Hz.*

Attic Ventilator Replacement Motors

- Enclosure: open air-over
- Thermal protection: 1 shot
- Mounting: stud
- Body dia.: 5"
- Shaded pole-type

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.

HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Stud/Base Mtg. Pattern	Shaft Dia.	Shaft Length	Length Less Shaft	Item No.
1/11	1000	CWSE	120	3.1	4⅝ x 4⅝ x 4⅝"	½"	2¾"	2 7/16"	**10J151**
⅐	1050	CWSE	120	4.5	4⅝ x 4⅝ x 4⅝"	½"	2½"	2¾"	**10J152**

Shaft Adapter Bushing

⅜" I.D. x ½" O.D. bushing increases ⅜"-dia. shaft to ½" dia. Plated finish and hole for setscrew. 1⅛"L.

Item No.
6X452

IMPORTANT MOTOR INFORMATION: Refer to pages 3-7 for selection guidelines, standardized dimensions, thermal protection information, UL 507 Standard location information, NEMA & IEC guidelines, energy legislation information, and terminology.

Find Your Replacement Motor on Grainger.com®

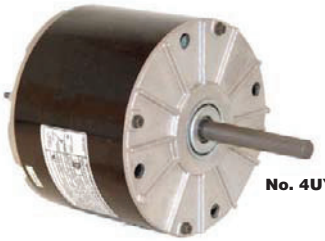
Use our online MotorMatch® product selection guide to quickly and easily find the motor that meets your exact specifications. Drop-down menus for Horsepower, Nameplate RPM, Voltage, Enclosure, Motor Type, Mounting Preference, Bearing Type, and other options help narrow your search from thousands of choices. Go to grainger.com/motors to locate your new or replacement motor today.

No. 4UY64

No. 4UY52

No. 4ME17

No. 4VA19



No. 4UY49

Century®

1-Phase OEM Replacement Fan and Blower Motors

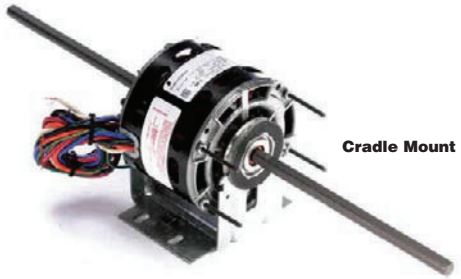
▪ For more specifications or cross reference, see Grainger.com®

For Use With	HP	Nameplate RPM	Frame	Voltage	Mounting	Mfr. Model	Item No.
Fan and Blower Motors							
Permanent Split Capacitor							
Aaon	¼	3200	48Y	460	Band	OAN470	**12N952**
	⅓	1100	48Y	460	Band	OAN010	**12N953**
	¾	1075	48Y	460	Band	OAN1076V1	**12N951**
	¾	1075	48Y	208-230	Band	OAN460	**12N954**
	¾	1075	48Y	460	Band	OAN1076	**12N950**
	¾	1075	48Y	460	Band	OAN747	**12N955**
	¾	1075	48Y	460	Band	OAN140	**12N956**
Addison	⅛ to ⅛	1075	48Y	230	Stud	OAD1016	**4UY61**
Amana	1/12	825	48Y	208-230	Stud	OAM10088	**4UY83**
	⅙	825	48Y	208-230	Stud	OAM1018	**4UY84**
American Air Filter	⅛	700	48Y	115	Cradle Base	0547A	**2FGP6**
American Standard	⅓	1075	48Y	230	Cradle Base	OAS40056	**4VA21**
Arkia, Tappan & SJC	⅓	825	48Y	115	Band	OKB1038	**4VA14**
Arkla	½	825	48Y	230	Band	OKB1058	**4VA10**
Carrier/BDP	1/12	1100	48Y	208-230	Stud	OCA10086	**4UY85**
	1/10	1100	48Y	208-230	Stud	OCA10106	**4UY86**
	⅙	1075	48Y	208-230	Lug	9650	**4ME21**
	⅙	1075	48Y	208-230	Band	OCA1016	**4UY92**
	⅙	1500	48Y	208-230	Stud	OCA1014	**4UY87**
	⅛	825	48Y	208-230	Stud	OCA10208	**4UY88**
	¼	1075	48Y	208-230	Lug	OCB1026A	**2GMR1**
	¼	1075	48Y	230	Band	OCC1026A	**2GMR3**
	¼	1100	48Y	208-230	Stud	OCA1026	**4UY89**
	⅓	1075	48Y	208-230	Lug	OCE1036	**4ME23**
	⅓	1075	48Y	208-230	Lug	OCA1036	**4ME11**
	⅓	1075	48Y	208-230	Lug	OCF1036	**4ME19**
	⅓	1075	48Y	208-230	Lug	OCB1036A	**2GMR2**
	⅓	1075	48Y	230	Stud	OMM1036	**4UY59**
	½	1050	48Y	460	Stud	FEH1056S	**3RCV9**
	½	1075	48Y	200-230/460	Lug	OCA1056	**3RCV2**
	½	1075	48Y	208-230	Lug	OCB1056	**4ME27**
	½	1075	48Y	208-230	Band	OCD1056	**4UY53**
Copeland	⅙	1625	42Y	230	Cradle Base	OCP0251	**4UY90** *
	⅙	1625	48Y	208-230	Stud	174A	**2FGP5**
	¼	1625	48Y	208-230	Band	OCP1024	**4UY62**
	⅓	1625	48Y	208-230	Cradle Base	OCP0108	**2ZA22**
Fedders	¼	1100	42Y	208-230	Ring	515	**4UY66**
First Company/ Summit	⅙	1500	42Y	115	Cradle Base	955	**3RCW7**
Friedrich	⅓	1075	48Y	230	Lug	OFR1036	**4ME10**
Gibson	⅓	1300	48Y	230	Lug	9648	**4MB86**
Goodman	⅙	1075	48Y	208-230	Stud	OGD1016	**3RCU8**
	¼	1075	48Y	208-230	Stud	OGD1026	**3RCW5**
Hill Refrigeration	⅓	1625	48Y	208-230	Cradle Base	160A	**2FGP4**
	1	1075	48Y	208-230	Cradle Base	OHR1106	**4UY64**
Hussmann	⅛	1550	48Y	230	Cradle Base	OHS1004	**4UY79**
	⅙	1075	48Y	208-230	Stud	OHS10206	**4UY80**
Kramer Trenton	¼	1075	48Y	115/208-230	Cradle Base	OKT1026	**4UY81** *

For Use With	HP	Nameplate RPM	Frame	Voltage	Mounting	Mfr. Model	Item No.
Lennox	¼	1075	48Y	230	Ring	OLE1026	**4UY60**
	⅓	825	48Y	230	Ring	OLE1038V1	**4UY67**
	⅓	1075	48Y	208-230	Lug	OLG1036	**4MB90**
	⅓	1075	48Y	115	Ring	OLE1036A	**2GMR4**
	⅓	1075	48Y	208-230	Ring	OLE1036H	**4VA13**
	1	1075	48Y	230	Band	OLE1106	**4UY51**
	1	1075	48Y	460	Band	OLE1106H	**4UY52**
Penn Ventilator	½	1550	42Y	115	Lug	OPV747	**12N958**
	⅙	1550	42Y	115	Lug	OPV748	**12N957**
Rheem/Ruud	⅛	825	48Y	208-230	Stud	ORM1008	**4UY91**
	⅛	825	48Y	208-230	Band	ORM1008V1	**4VA26**
	⅙	1075	48Y	208-230	Stud	ORM1016V1	**4UY74**
	⅛ to ⅛	1075	48Y	208-230	Stud	ORM1016	**4UY70**
	⅕	1075	48Y	208-230	Stud	ORM10206V1	**4UY93**
	¼	825	48Y	208-230	Band	ORM1028	**4VA28** *
	¼	1075	48Y	115	Stud	ORM1026L	**4VA15**
	⅓	825	48Y	208-230	Band	ORM1038	**4VA30** *
	⅓	1075	48Y	208-230	Stud	ORM1036V1	**4UY71**
	⅓	1075	48Y	208-230	Stud	ORM1036	**4UY95**
	½	825	48Y	208-230	Band	ORM1058	**4VA33** *
	½	1050	48Y	115	Band	ORM1056	**4VA31**
	½	1075	48Y	115	Band	ORM10563	**4VA32**
	¾	1075	48Y	115	Band	ORM1076	**4VA34**
Shaded Pole							
Broan	1/15	950	42Y	115	Band	OBR40066	**4VA23**
	1/12	1000	42Y	115	Band	OBR40086	**4VA24**
	1/12	1050	42Y	115	Lug	9649	**4ME17**
	1/10	1100	42Y	115	Band	OBR40016	**4VA25**
Jenn Air	1/15	1550	4.3	115	Stud	484	**45GL41**
Penn Ventilator	1/20	1045	42Y	115	Stud	975	**4VA19**

For Use With	HP	Nameplate RPM	Frame	Voltage	Mounting	Mfr. Model	Item No.
Room Air Conditioner, Evaporative Cooler and Other Shaft-Mounted Fan and Blower Applications							
Permanent Split Capacitor							
First Company/ Summit	¼	1625	42Y	208-230	Ring	OFC1024	**3RCV8**
Trane	⅓	1075	48Y	115	Ring	OTR1036	**4VA29** †
	¼	825	48Y	200-230	Stud	OTR1028	**4UY97** †
	⅕	1075	48Y	115	Ring	OTR10206	**4VA27** †
	⅛	1550	42Y	208-230	Stud	OTR4513	**4UY73**
	⅛	1650	48Y	200-230	Stud	OTR1004	**4UY96** †
Unilux	⅛ to 1/30	1000	42	115	T-Flex	799	**3RCV4**
York	1	1075	48Y	115	Band	OYK1106	**4UY98**
	½	1090	48Y	208-230	Stud	OYK1056V1	**4UY48**
	½	1110	48Y	115	Band	OYK1056S	**4UY99**
	¼	850	48Y	208-230	Stud	OYK1028	**4UY50** *
	⅛	1075	48Y	208-230	Stud	OYK1006	**4UY49**
Shaded Pole							
Tecumseh	1/15	1500	42Y	230	Face	OTC6001	**3RCV3**
	1/20	1500	42Y	230	Face	OTC6004	**3RCU9**
Trane	⅛	1550	42Y	230	Ring	598	**4UY65**

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



Shaded Pole Room Air Conditioner Motors

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

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	Rotation	Voltage	Full Load Amps	Mounting	Ring to Ring Center	Resilient Ring Dia.	Stud Pattern	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	
4.4 Frame, 4.4" Body Dia., Dayton															
1/25	1550	3	CCWLE	115	1.4	Ring	3 3/4"	2 1/2"	—	3/8"	6 3/4"	4 1/2"	—	**4M295**	
1/20	1550	3	CCWLE	115	2.0	Ring	3 3/4"	2 1/2"	—	1/2"	6 3/4"	4 1/2"	—	**4M296**	
1/15	1550	3	CCWLE	115	2.5	Ring	3 3/4"	2 1/2"	—	1/2"	6 3/4"	4 1/2"	—	**4M297**	
1/10	1550	3	CCWLE	115	3.1	Ring	4 3/8"	2 1/2"	—	3/8"	6 3/4"	5 1/8"	—	**4M161**	
	1550	3	CCWLE	115	3.1	Ring	4 3/8"	2 1/2"	—	1/2"	6 3/4"	5 1/8"	—	**4M162**	
1/8	1550	4	CCWLE	115	4.3	Ring	4 1/2"	2 1/2"	—	1/2"	6 3/4"	5 3/16"	—	**4M163**	
1/6	1550	4	CCWLE	115	4.9	Ring	5"	2 1/2"	—	1/2"	6 3/16"	6 1/2"	—	**4M164**	
42Y Frame, 5" Body Dia., Century															
1/35	1050	4	CCWLE	115	2.0	Cradle Base	4 5/16"	2 1/2"	2 5/16" x 4"	1/2"	8"	4 11/16"	9673	**4UU46**	*
1/15	1050	4	CWLE	115	2.4	Cradle Base	4 1/16"	2 1/2"	2 5/16" x 4"	3/8"	7 3/4"	4 7/16"	9674	**4UU47**	*
	1050	4	CCWLE	115	2.4	Stud	4 to 5"	2 1/4"	2 5/16" x 4"	1/2"	10 1/2"	4"	389A	**4UU37**	*
	1050	4	CCWLE	115	2.4	Stud	4 to 5 1/8"	2 1/4"	2 5/16" x 4"	3/8"	8 1/2" and 8"	4"	393A	**4UU65**	
1/12	1050	3	CCWLE	115	4.0	Stud	4 1/16"	2 1/4"	2 5/16" x 4"	1/2"	8 1/4" and 8"	3 3/4"	9672	**4UU41**	
1/10	1550	3	CCWLE	115	3.5	Cradle Base	1 11/16 x 3 1/2"	—	—	1/2"	9"	4"	DBL4404	**3M721**	
	1550	4	CCWLE	115	3.5	Cradle Base	4 1/16"	2 1/2"	2 1/4" x 3 7/8"	1/2"	8 3/4"	4 7/16"	DBL4410	**4UU44**	
	1550	4	CCWLE	115	3.5	Cradle Base	4 1/16"	2 1/2"	2 1/4" x 3 7/8"	3/8"	8 3/4"	4 7/16"	DBL4411	**4UU45**	
	1550	4	CCWLE	208-230	2.1	Cradle Base	4 9/16"	2 1/2"	3 1/4" x 3 1/4"	3/8"	8"	4 15/16"	DBL4412	**4UU48**	
	1050	2	CCWLE	115	3.7	Cradle Base	4 1/16"	2 1/2"	—	1/2"	9 3/4"	4 7/16"	DBL64062	**4LY99**	
	1050	4	CCWLE	277	1.3	Cradle Base	4 1/16"	2 1/2"	—	1/2"	8 13/16"	4 7/16"	7DB6408	**3M864**	
	1050	5	CWLE	115	3.2	Cradle Base	4 1/16"	2 1/2"	—	1/2"	10 3/16"	4 7/16"	89	**4MA19**	*
	1050	5	CCWLE	115	3.5	Stud	3 7/8 to 4 7/8"	2 1/4"	2 1/4" x 3 7/8"	1/2"	10" and 9 7/8"	4 3/16"	DBL6409NB	**4UU42**	
1/8	1550	4	CCWLE	115	3.3	Cradle Base	4 9/16"	2 1/2"	3 1/4" x 3 1/4"	1/2"	9 3/8"	4 15/16"	9675	**4UU49**	
	1500	3	CCWLE	115	5.5	Stud	4 1/2 to 5 1/2"	2 1/4"	3 1/4" x 3 1/4"	3/8"	8 3/8" and 8"	4 1/2"	9671	**4UU40**	
	1050	4	CCWLE	115	4.4	Cradle Base	5"	2 1/2"	2 5/16" x 4"	1/2"	10"	4 15/16"	9676	**4UU50**	
1/6	1550	4	CCWLE	115	4.0	Cradle Base	4 9/16"	2 1/2"	3 1/8" x 3 1/8"	1/2"	8"	4 3/8"	DCL4423	**4UU51**	
	1050	2	CCWLE	115	5.8	Cradle Base	4 1/2"	2 1/2"	—	1/2"	8"	5 3/16"	9636	**4LY95**	
	1050	2	CCWLE	230	2.9	Cradle Base	4 3/4"	2 1/2"	—	1/2"	8"	5 3/16"	9637	**4LY97**	
	1050	3	CCWLE	230	2.9	Stud	4 3/4 to 5 3/4"	2 1/4"	2 5/16" x 4"	1/2"	10"	5 1/4"	348A	**4UU43**	
	1050	4	CCWLE	115	8.6	Cradle Base	4 13/16"	2 1/2"	2 5/16" x 4"	1/2"	8"	5 3/16"	9677	**4UU52**	
1/4	1050	4	CCWLE	115	8.5	Cradle Base	5 13/16"	2 1/2"	2 5/16" x 4"	1/2"	8 1/4"	6 3/16"	9678	**4UU53**	
42YZ Frame, 5" Body Dia., Century															
1/10	1050	4	CCWLE	277	1.6	Cradle Base	4 9/16"	2 1/2"	—	1/2"	8 5/16"	4 15/16"	7RAB4010	**4UB83**	

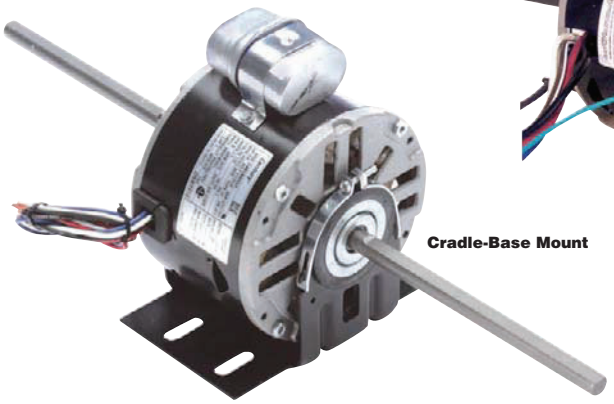
**** 60/50 Hz.***

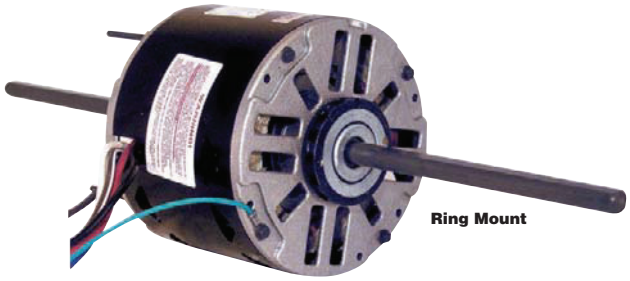
Permanent Split Capacitor Room Air Conditioner Motors

- Enclosure: open air-over
- Rotation: CW/CCW
- Thermal protection: auto
- Service factor: 1.0
- Bearings: sleeve
- Duty: continuous
- 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	Mounting	Ring to Ring Center	Resilient Ring Dia.	Stud Pattern	Shaft Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Item No.
Non-Standard Frame, 4 15/16" Body Dia.													
1/10	1550	3	115	1.43	Ring/Stud	4 9/16"	2 1/2"	3 1/8" x 3 1/8"	1/2"	6 3/4"	4 15/16"	40°C	**45EX57**
1/8	1550	4	115	1.9	Ring/Stud	4 7/16"	2 1/2"	3 1/8" x 3 1/8"	1/2"	6 3/4"	4 15/16"	40°C	**45EX58**
1/6	1550	4	115	2.5	Ring/Stud	5"	2 1/2"	3 1/8" x 3 1/8"	1/2"	6 3/4"	5 7/16"	40°C	**45EX59**
Non-Standard Frame, 4 29/32" Body Dia.													
1/10	1550	3	115	1.5	Stud	4 1/2"	2 1/2"	3 1/8" x 3 1/8"	3/8"	6 3/4"	4 29/32"	40°C	**45EX60**
42Y Frame, 5" Body Dia.													
1/20	1075	4	115	0.90	Cradle Base	4 15/16"	2 1/2"	3 3/16" x 3 3/16"	1/2"	10 1/16"	5 3/8"	60°C	**5WJA7**
1/15	1050	4	115	1.4	Cradle Base	4 3/4"	2 1/2"	3 3/16" x 3 3/16"	1/2"	10 1/2"	5 9/32"	60°C	**5WJA8**
1/10	1075	4	115	1.7	Cradle Base	5"	2 1/2"	3 3/16" x 3 3/16"	1/2"	10"	5 3/8"	60°C	**5WJC1**
	1050	4	277	0.70	Ring	4 1/4"	2 1/2"	3 3/16" x 3 3/16"	1/2"	8 1/2"	4 5/8"	60°C	**5WJA9**
	1050	4	115	1.62	Cradle Base	4 1/4"	2 1/2"	3 3/16" x 3 3/16"	3/8"	10 1/2"	4 5/8"	60°C	**5WJC0**
1/8	1075	4	277	0.72	Cradle Base	4 11/16"	2 1/2"	3 3/16" x 3 3/16"	1/2"	8 1/2"	5 1/8"	60°C	**5WJC2**
1/6	1625	4	115	2.7	Cradle Base	4 11/16"	2 1/2"	3 3/16" x 3 3/16"	1/2"	10"	5 1/8"	60°C	**5WJC3**
48Y Frame, 5 5/8" Body Dia.													
1/4	1625	4	115	3.4	Cradle Base	5"	2 1/2"	3 3/8" x 3 3/8"	1/2"	8 1/2"	3 3/8"	60°C	**5WJC4**
1/2	1075	4	115	6.5	Cradle Base	5 15/32"	2 1/2"	3 3/8" x 3 3/8"	1/2"	8 1/2"	5 15/16"	60°C	**5WJC5**


Cradle-Base Mount


Ring Mount

Century®

Permanent Split Capacitor Room Air Conditioner Motors

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

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	Rotation	Voltage	Full Load Amps	Mounting	Ring to Ring Center	Resilient Ring Dia.	Shaft Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Mfr. Model	Item No.	Capacitor Req.
42Y Frame, 5" Body Dia.															
1/15	1075	4	CCWLE	115	1.2	Cradle Base	4 1/4"	2 1/2"	1/2"	10 1/2"	4 3/4"	40°C	9474	**4MA85**	2MDV4
	1625	3	CCWLE	115	1.3	Cradle Base	4 1/16"	2 1/2"	1/2"	8 13/16"	4 3/8"	40°C	DBL4500V1	**4UU16**	Included
	1500	3	CCWLE	208-230	0.70	Cradle Base	4 1/4"	2 1/2"	1/2"	9 1/4"	4 11/16"	40°C	9652	**4UU18**	Included
1/10	1075	4	CCWLE	115	1.7	Cradle Base	4 1/16"	2 1/2"	1/2"	8 13/16"	4 3/8"	40°C	DBL6501V1	**4UU17**	Included
	1075	4	CWLE	115	1.7	Cradle Base	4"	—	1/2"	10 1/8"	4 7/16"	40°C	362A	**4MB94**	2MDV4
	1075	4	CCWLE	208-230	0.70	Cradle Base	4 1/16"	2 1/2"	1/2"	8 13/16"	4 3/8"	40°C	DB6502V1	**4UU19**	Included
	1500	3	CCWLE	115	1.2	Cradle Base	4 1/2"	2 1/2"	1/2"	9 1/4"	4 15/16"	40°C	945A	**4UU20**	Included
1/8	1075	3	CCWLE	115	2.4	Cradle Base	4 5/16"	2 1/2"	1/2"	9 1/4"	4 11/16"	40°C	DBL6503	**4UU21**	Included
	1075	4	CCWLE	208-230	1.2	Cradle Base	4"	2 1/2"	1/2"	10"	4 7/16"	40°C	DB6503	**4MA87**	2MDV4
	1075	3	CCWLE	277	0.83	Ring	4"	2 1/2"	1/2"	8 1/2"	4 7/16"	40°C	596	**4UB79**	2MDV4
1/6	1625	4	CCWLE	115	2.2	Cradle Base	5"	2 1/2"	1/2"	9 1/4"	5 7/16"	40°C	9476A	**4UU22**	Included
	1075	3	CCWLE	208-230	1.4	Cradle Base	4 9/16"	2 1/2"	1/2"	9 1/4"	4 15/16"	40°C	DB6504	**4UU25**	Included
1/5	1625	3	CCWLE	208-230	1.0	Cradle Base	5"	2 1/2"	1/2"	9 3/16"	4 15/16"	40°C	467A	**4UU24**	Included
	1550	3	CCWLE	208-230	1.8	Ring	—	—	1/2"	6"	4 15/16"	40°C	DCA4522	**4ME15**	Included
	1075	1	CWLE	208-230	1.4	Band	—	—	1/2"	5 3/4"	4 15/16"	40°C	OYK6518	**4MB96**	2MDV4
48Y Frame, 5 5/8" Body Dia.															
1/15	1075	3	CCWLE	115	0.63	Ring	4 3/16"	2 1/2"	1/2"	5 5/16"	4 5/8"	40°C	RAL10156	**4UB73** †	2MDV4
	1550	3	CCWLE	115	2.3	Stud	—	2 1/4"	1/2"	7 1/2"	4 3/8"	40°C	9681	**4UU56** *	2MDV6
1/8	1075	3	CCWLE	115	2.0	Stud	—	2 1/4"	1/2"	8 1/4" and 7 1/2"	4 1/4"	60°C	RAL1006	**4MA51**	2MDV4
	1075	3	CCWLE	208-230	0.75	Stud	—	2 1/4"	1/2"	8 1/4" and 7 1/2"	4 1/4"	40°C	RA1006	**4MA93** *	2MDV4
1/6	1625	2	CW/CCW	115	2.4	Cradle Base	4 11/16"	2 1/2"	1/2"	7"	5 1/8"	40°C	DSB1016R	**4UU30**	Included
1/6, 1/10, 1/15	1625	3	CCWLE	115	1.9	Stud	—	2 1/2"	1/2"	8 1/2" and 7 7/8"	4 3/8"	60°C	9635A	**5DVT6**	2MDV4
	1625	2	CW/CCW	230	1.3	Cradle Base	4 11/16"	2 1/2"	1/2"	7"	5 1/8"	40°C	DSB1016HR	**4UU31**	Included
	1550	3	CCWLE	115	2.7	Stud	—	2 1/4"	1/2"	7 1/2" and 8"	4 1/2"	40°C	9685	**4UU60** *	2MDV7
1/6	1075	3	CCWLE	115	3.1	Cradle Base	4 3/8"	2 1/2"	1/2"	7"	4 7/8"	40°C	DSB1016	**4UU33**	Included
	1075	3	CCWLE	115	2.2	Stud	—	2 1/4"	1/2"	8 1/4" and 7 1/2"	4 3/8"	40°C	RAL1016	**4MA53** *	2MDV4
	1075	3	CCWLE	208-230	0.96	Stud	—	2 1/4"	1/2"	8 1/4" and 7 1/2"	4 1/4"	40°C	RA1016	**4MA55**	2MDV4
	1075	3	CCWLE	230	1.2	Cradle Base	4 3/8"	2 1/2"	1/2"	7"	4 7/8"	40°C	DSB1016H	**4UU34**	Included
	1625	2	CCWLE	115	2.4	Cradle Base	4 5/8"	2 1/2"	1/2"	7"	5 1/8"	40°C	DSB1024	**4UU28**	Included
	1625	3	CCWLE	115	3.4	Stud	—	2 1/4"	1/2"	7 5/8" and 7 1/2"	4 7/8"	40°C	RAL1024	**4MA99**	2MDV4
	1625	3	CCWLE	208-230	1.9	Stud	—	2 1/4"	1/2"	7 5/8" and 7 1/2"	4 7/8"	40°C	RA1024	**4MB11**	2MDV4
	1625	2	CCWLE	230	1.3	Cradle Base	4 5/8"	2 1/2"	1/2"	7"	5 1/8"	40°C	DSB1024H	**4UU29**	Included
	1550	3	CCWLE	115	4.9	Stud	—	2 1/4"	1/2"	7 1/2"	5"	40°C	9687	**4UU62**	2MDV3
1/4	1550	3	CCWLE	208-230	2.2	Stud	—	2 1/4"	1/2"	7 1/2"	5"	40°C	9688	**4UU63**	2MDV3
	1075	2	CCWLE	115	4.4	Cradle Base	4 1/2"	2 1/2"	1/2"	7"	5"	40°C	DSB1026	**4UU26**	Included
	1075	3	CCWLE	115	3.4	Stud	—	2 1/4"	1/2"	7 1/2" and 7 3/4"	4 3/4"	40°C	RAL1026A	**4MA79**	2MDV4
	1075	3	CCWLE	208-230	1.5	Stud	—	2 1/4"	1/2"	7 5/8" and 7 1/2"	4 5/8"	60°C	RA1026	**4MA57**	2MDV4
	1075	3	CCWLE	208-230	1.5	Stud	—	—	1/2"	7 7/8" and 8"	4 1/8"	60°C	SA1026	**4MA73**	2MDV4
	1075	2	CCWLE	230	1.9	Cradle Base	4 7/16"	2 1/2"	1/2"	7"	4 7/8"	40°C	DSB1026H	**4UU27**	Included
	1075	3	CCWLE	277	1.3	Stud	—	2 1/4"	1/2"	7 7/8" and 7 5/8"	4 1/2"	40°C	7RA1026	**4UB81**	2MDV4
	1625/1350	1	CCWLE	208-240/220	2.4	Cradle Base	—	—	1/2"	6 5/8" and 6"	6 7/8"	40°C	RAB1034S	**4ME31**	Included
	1625	3	CCWLE	208-230	2.0	Stud	—	2 1/4"	1/2"	7 3/8" and 7 1/2"	5 1/8"	50°C	RA1034	**4MA63**	2MDV4
	1625	3	CCWLE	230	2.0	Cradle Base	5"	2 1/2"	1/2"	7"	5 1/2"	40°C	DSB1034H	**4UU35**	Included
	1365	3	CCWLE	230	2.7	Stud	—	—	1/2"	7 3/4" and 7 1/2"	4 1/2"	60°C	399A	**2CDU2**	2MDV4
1/3	1100	3	CCWLE	208-230	1.3-1.5	Stud	5"	—	1/2"	5 1/2" and 5 1/4"	4"	60°C	OWR1036	**4MB82**	2MDV4
	1075	3	CCWLE	115	5.0	Stud	—	2 1/4"	1/2"	7 7/8" and 6 3/4"	5 3/8"	40°C	RAL1036	**4MA59**	2MDV4
	1075	3	CCWLE	208-230	1.9	Cradle Base	5 1/8"	2 1/4"	1/2"	9" and 6 1/2"	5 5/8"	60°C	RA1036WB	**4MB17**	2MDV4
	1075	3	CCWLE	208-230	1.9	Stud	—	2 1/4"	1/2"	8 1/8" and 6 1/2"	5 1/8"	60°C	RA1036	**4MA61**	2MDV4
	1075	3	CCWLE	230	3.1	Cradle Base	4 7/8"	2 1/2"	1/2"	7"	5 3/8"	40°C	DSB1036H	**4UU36**	Included
	1075	3	CCWLE	230	1.9	Stud	—	—	1/2"	4 1/2" & 4"	5"	40°C	RAB1036	**4MB92**	2MDV4
	1625	3	CCWLE	115	6.0	Stud	—	2 1/4"	1/2"	7 5/8" and 6 3/4"	5 5/8"	40°C	RAL1054	**4MB15**	2MDV4
	1625	3	CCWLE	208-230	3.2	Stud	—	2 1/4"	1/2"	7 5/8" and 6 3/4"	5 5/8"	40°C	RA1054	**4MA67** *	2MDV4
	1075	4	CCWLE	115	7.5	Band	—	—	1/2"	7 1/4" and 3 7/8"	6 1/8"	40°C	OCC1056	**4ME25**	2MDV6
1/2	1075	3	CCWLE	115	5.2	Stud	—	2 1/4"	1/2"	7 3/8" and 6 3/4"	5 7/8"	40°C	RAL1056	**4MA77** *	2MDV7
	1075	3	CCWLE	208-230	2.7	Cradle Base	5 5/8"	2 1/4"	1/2"	8 1/8" and 7 1/2"	6 1/8"	60°C	RA1056WB	**4MA81**	2MDV6
	1075	3	CCWLE	208-230	2.7	Stud	—	2 1/4"	1/2"	7 5/8" and 6 3/4"	5 5/8"	60°C	RA1056	**4MA65**	2MDV6
	1075	2	CCWLE	230	4.0	Cradle Base	5 1/16"	2 1/2"	1/2"	7"	5 7/8"	40°C	DSB1056H	**4UU32**	Included
3/4	1625	3	CCWLE	208-230	3.8	Stud	—	2 1/4"	1/2"	7 1/8" and 6 3/4"	6 1/8"	40°C	RA1074	**4MA71**	2MDV6
	1075	3	CCWLE	208-230	3.6	Stud	—	2 1/4"	1/2"	7 3/8" and 6 3/4"	5 7/8"	40°C	RA1076	**4MA69**	2MDV6
56Y Frame, 6 1/2" Body Dia.															
3/4	1075	1	CCWLE	200-230	4.4-4.2	Cradle Base	—	2 1/2"	5/8"	6 3/4"	10 3/8"	60°C	RA1176WB	**4MA83**	2MDW3
	1075	1	CCWLE	208-230	5.4-6.0	Cradle Base	—	—	5/8"	7 1/2"	9 1/2"	40°C	C024	**4MB88**	2MDV7

** 60/50 Hz. † Capacitor selection: single blower wheel/2MDV2, double blower wheel/2MDV3, triple blower wheel/2MDV4.*


Band Mount


Cradle Base Mount


Ring Mount


Stud Mount


T-Flex Mount

Century®

Shaded Pole Direct-Drive Blower/Fan Motors

- 42Y frame (5" body dia.)
- Enclosure: open air-over, except No. 4UU91 is totally enclosed air-over
- Thermal protection: auto
- Service factor: 1.0
- Bearings: sleeve
- Max. ambient temp.: 40°C
- 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. No. 4UU91 has 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-Siegler furnaces. All models are UL Recognized and CSA Certified.

Mounting	HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Ring to Ring Center	Stud Pattern	Shaft Dia.	Shaft Length	Mfr. Model	Item No.	
1-Speed												
Band	1/12	1050	CCWLE	115	3.1	—	—	½"	2½"	BL6409	**4KA23**	
	1/10	1050	CCWLE	115	3.9	—	—	½"	2½"	BL6408	**4KA20**	
	1/6	1000	CCWLE	115	7.8	—	—	½"	2½"	BL6407	**4KA22**	
Cradle Base	1/15	1000	CCWLE	115	3.2	4 1/16"	—	3/8"	3¼"	9694	**4UU96**	
	1/10	1050	CWSE	115/208-230	4.0/2.0-2.0	4 9/16"	2½" x 2½"	3/8"	2¼"	RF6402	**4UU74**	
	1/10	1050	CCWLE	115/208-230	4.0/2.0-2.0	4 9/16"	2½" x 2½"	3/8"	2¼"	RF6403	**4UU76**	
	1/10	1550	CWLE	115/208-230	4.0/2.0-2.0	4 9/16"	2½" x 2½"	3/8"	2¼"	RF4400	**4UU75**	
	1/10	1550	CCWLE	115/208-230	4.0/2.0-2.0	4 9/16"	2½" x 2½"	3/8"	2¼"	RF4401	**4UU77**	
	1/10	1550	CWLE	230	2.9	4 9/16"	—	½"	2⅞"	9638	**4MA15**	†
	1/6	1550	CWLE	115	6.4	4 9/16"	—	½"	2⅞"	9640	**4MA23**	†
	1/6	1550	CCWSE	208-230	3.2	4 9/16"	—	½"	2⅞"	593	**4MA13**	†
Ring	1/15	1550	CWSE	115/208-230	2.8/1.4	5 1/16"	2½" x 2½"	3/8"	2¾"	612A	**4UU73**	
	1/15	1550	CCWSE	115/208-230	2.8/1.4-1.4	5 1/16"	2½" x 2½"	3/8"	2¾"	613A	**4UU78**	
	1/8	1050	CCWLE	115	5.2	4 13/16"	2 5/16" x 4"	½"	4"	9706	**4VU34**	
	1/8	1050	CCWLE	115	5.2	4 1/16"	2¼" x 3⅞"	½"	5"	BLR6403	**4UU99**	
	1/8	1050	CWSE	115	4.2	4¼"	—	½"	2⅜"	9646	**4KA49**	
	1/6	1050	CCWLE	115	5.5	4 9/16"	2¼" x 3⅞"	½"	3"	BLR6402	**4UU97**	
	1/6	1050	CCWLE	115	7.0	4 9/16"	2 5/16" x 4"	½"	3¼"	345A	**4VU35**	
	1/5	1050	CCWLE	115	6.7	4 9/16"	2 5/16" x 4"	½"	3¼"	9690	**4UU89**	
	1/4	1050	CCWLE	115	9.4	5 1/16"	2¼" x 3⅞"	½"	3 15/16"	BLR640S	**4UU81**	
Stud	1/15	1050	CCWLE	115	2.8	—	2¼" x 3⅞"	3/8"	1⅝"	BLR6407	**4UU94**	*
	1/15	1050	CCWLE	115	3.3	—	2¼" x 3⅞"	½"	2½"	U6433	**4UU91**	
T-Flex	1/5	1050	CCWLE	115	6.5	—	—	½"	3½"	ONR6026	**4MB32**	
	1/4	1050	CCWLE	115	8.9	—	—	½"	4¼"	BL6531	**4MB34**	
2-Speed												
Stud	1/15	1050	CCWLE	115	3.48	—	2¼" x 3⅞"	3/8"	1⅝"	BLR6405	**4UU92**	*
3-Speed												
Ring	1/8	1050	CCWLE	115	5.1	4 13/16"	2 5/16" x 4"	½"	3¼"	9703	**4UU83**	
	1/6	1050	CCWLE	115	6.3	4 9/16"	2¼" x 3⅞"	½"	3 15/16"	9701	**4UU79**	
	1/5	1050	CCWLE	115	6.8	5 9/16"	2 5/16" x 4"	½"	5"	9695	**4UY10**	
	1/5	1050	CCWLE	208-230	3.4	5 9/16"	2 5/16" x 4"	½"	5"	9696	**4UY11**	
	1/4	1050	CCWLE	115	8.2	5 1/16"	2¼" x 3⅞"	½"	3 15/16"	BLR6404	**4UU80**	
T-Flex	1/4	1050	CCWLE	115	8.2	—	—	½"	4⅜"	BL6534	**4MB48**	

Mounting	HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Ring to Ring Center	Bolt Circle Dia.	Shaft Dia.	Shaft Length	Mfr. Model	Item No.
1-Speed, 3 Mounting Studs											
Ring	1/8	1050	CCWLE	115	5.2	4 1/16"	4 7/16"	½"	5"	BL6410	**4KA21**
	1/6	1050	CCWLE	208-230	2.6	4 1/16"	4 7/16"	½"	5"	B6411	**4KA45**
	1/5	1050	CCWLE	115	6.0	4 1/16"	4 7/16"	½"	5"	BL6413	**4KA46**
3-Speed, 3 Mounting Studs											
Ring	1/5	1050	CCWLE	208-230	3.2	4 9/16"	4 7/16"	½"	5"	B6415	**4KA42**
	1/5	1050	CWSE	208-230	3.4	4 9/16"	4⅝"	½"	3⅜"	429	**4KA48**
4-Speed, 3 Mounting Studs											
Ring	1/5	1050	CCWLE	115	7.1	4 9/16"	4 7/16"	½"	2⅛"	BL6416	**4KA40**
	1/5	1050	CWSE	115	7.9	4 9/16"	4⅝"	½"	3⅜"	559	**4KA47**

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

Century®

VIDEO AVAILABLE ON GRAINGER.COM®

ECM Fan Coil Motor

- Speeds: 3
- 42 frame (5" body dia.)
- Enclosure: open air-over
- Thermal protection: auto
- Mounting: cradle base
- Bearings: ball
- Max. ambient temp.: 40°C
- Duty: continuous

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

HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.
1/10	1100	CWLE	115	1.6	½"	9 5/16"	3 13/16"	CS89	**10C902**

No. 6TWK6

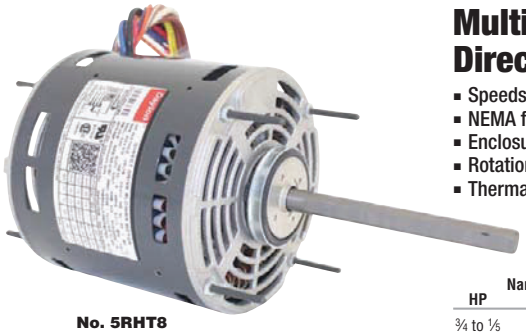
Century®

MasterFit® Pro Direct-Drive Blower Motors

- Speeds: 4
- NEMA frame: 48Y (5¾" body dia.)
- Enclosure: open
- Rotation: CW/CCW
- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class B
- Mounting: ring/stud/band/hole
- Duty: continuous
- Shaft orientation: horizontal
- Capacitor included

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.

HP	Nameplate RPM	Voltage	Full Load Amps	Bearings	Shaft Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Mfr. Model	Item No.
½ to ⅛	1075	115	7.0	Sleeve	½"	4½"	5⅞"	40°C	FDL6001A	**6TWK6**
½ to ⅛	1075	208-230	3.9	Sleeve	½"	4½"	5⅞"	40°C	FD6000A	**6TWK7**
¾ to ⅓	1075	115	9.1	Ball	½"	4½"	5¾"	40°C	FDL6002A	**6TWK8**
¾ to ⅓	1075	208-230	4.0	Ball	½"	4½"	5 13/16"	40°C	FD6001A	**6TWK9**



No. 5RHT8

Dayton®

Multi-HP Permanent Split Capacitor Direct-Drive/Fan Multi-Speed Motors

- Speeds: 4
- NEMA frame: 48YZ (5⅝" body dia.)
- Enclosure: open air-over
- Rotation: CW/CCW
- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class B
- Mounting: ring/stud/band
- Duty: continuous
- Shaft orientation: all-angle
- Refer to the Motor Nameplate for correct capacitor value

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

HP	Nameplate RPM	Voltage	Full Load Amps	Bearings	Shaft Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Item No.	Capacitor Selection
¾ to ⅓	1075	115	8.7-2.4	Ball	½"	5"	5⅞"	60°C	**5RHT8**	2MDV6 for ⅛ to ⅓ HP Setup, 2MDV7 for ½ & ¾ HP Setup
¾ to ⅓	1075	208-230	4.1-1.7	Ball	½"	6"	6¼"	60°C	**5RHT9**	2MDV6 for ⅛ to ⅓ HP Setup, 2MDV7 for ½ & ¾ HP Setup
⅓ to ⅛	825	208-230	2.2-1.0	Ball	½"	5"	6⅛"	60°C	**5RHU0**	2MDV6
½ to ⅓	825	208-230	3.9-1.4	Ball	½"	6"	6⅝"	60°C	**5RHU1**	2MDV7

No. 20JP30

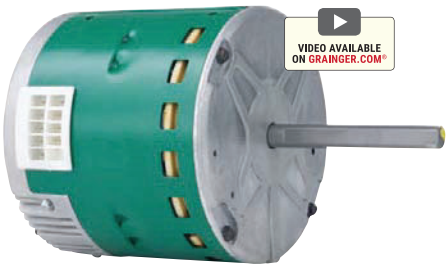
genteq

ECM Evergreen® EM Direct Drive Blower Motors

- Speeds: 5
- NEMA frame: 48 (5¾" body dia.)
- Enclosure: open
- Rotation: CW/CCW
- Thermal protection: electronic
- Service factor: 1.0
- Insulation: Class B
- Mounting: band
- Duty: continuous
- Shaft orientation: horizontal
- Replacement for X–13 ECM motors

Replace direct-drive blower motors in residential and light commercial indoor furnaces, air handlers, and package systems that were designed with a standard ECM motor. Maintain ECM-level efficiency up to 80%. Features Soft Start and Off Ramp for quiet operation. UL and CSA recognized.

HP	Nameplate RPM	Voltage	Full Load Amps	Bearings	Shaft Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Mfr. Model	Item No.
⅓	1200	115	4.8	Ball	½"	4 5/16"	5¼"	40°C	6103E	**20JP27**
⅓	1200	208-230	2.8	Ball	½"	4 5/16"	5¼"	40°C	6203E	**20JP28**
½	1200	115	6.8	Ball	½"	4 5/16"	5¾"	40°C	6105E	**20JP29**
½	1200	208-230	4.1	Ball	½"	4 5/16"	5¼"	40°C	5SME39HXL447	**20JP30**
¾	1200	115	8.4	Ball	½"	4 5/16"	6½"	40°C	6107E	**20JP31**
¾	1200	208-230	6.0	Ball	½"	4 5/16"	6½"	40°C	6207E	**20JP32**
1	1200	115	10.9	Ball	½"	4 5/16"	7½"	40°C	5SME39SXL445	**20JP33**
1	1200	208-230	7.6	Ball	½"	4 5/16"	7½"	40°C	6210E	**20JP34**



No. 12V752

genteq

ECM Evergreen® CM Brushless DC Motors

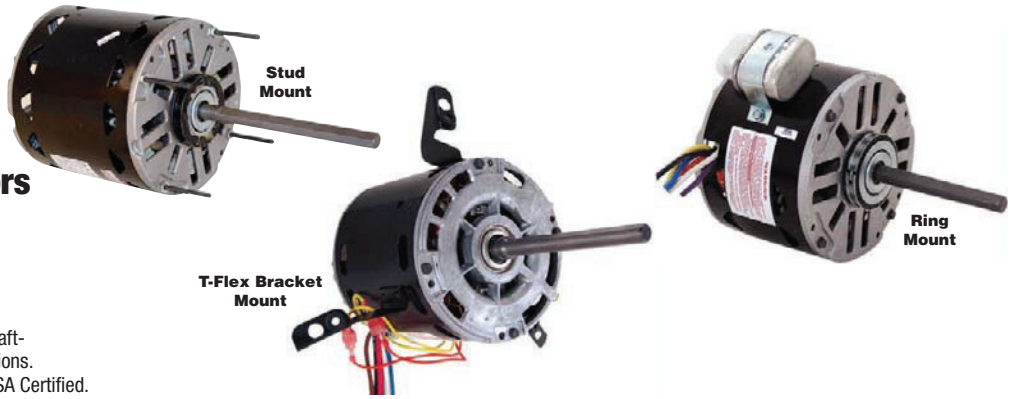
- Speeds: 5
- NEMA frame: 48 (5⅔" body dia.)
- Enclosure: open air-over
- Rotation: CCW
- Thermal protection: electronic
- Service factor: 1.0
- Insulation: Class B
- Mounting: band
- Duty: continuous
- Shaft orientation: horizontal
- Replacement for X–13 ECM motors

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.

HP	Nameplate RPM	Voltage	Full Load Amps	Bearings	Shaft Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Mfr. Model	Item No.
⅓	1050	208-230/277	2.6	Ball	½"	3 15/16"	5¼"	55°C	6703	**12V752**
½	1050	208-230/277	3.6	Ball	½"	3 15/16"	5¾"	55°C	6705	**12V753**
¾	1050	208-230/277	4.9	Ball	½"	3 15/16"	6½"	45°C	6707	**12V754**

Century®
genteq

PSC Direct-Drive Blower/Fan Motors



- Enclosure: open air-over
- Thermal protection: auto
- Service factor: 1.0
- ½" shaft dia.
- Duty: continuous

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

HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Ins. Class	Mounting	Ring to Ring Center	Resilient Ring Dia.	Stud Pattern	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Brand	Item No.		Capacitor Req.
42Y Frame, 5" Body Dia., Sleeve Bearings																
1 Speed																
1/8	1075	CW/CCW	115	2.7	B	Stud	4 5/16"	2 1/2"	3 1/4" x 3 1/4"	6"	4 11/16"	40°C	Century	**4MA96**		2MDV4
3 Speed																
1/10	1625	CW/CCW	115	2.1	B	Stud	4 13/16"	2 1/2"	3 1/4" x 3 1/4"	5 1/4"	5 3/16"	40°C	Century	**4UY12**		2MDV4
	1075	CW/CCW	115	1.6	B	Ring	4 13/16"	2 1/2"	2 5/16" x 4"	5 1/4"	5 3/16"	40°C	Century	**4UY13**		2MDV4
1/8	1075	CW/CCW	115	2.5	B	Stud	4 5/16"	2 1/2"	3 1/4" x 3 1/4"	6"	4 11/16"	40°C	Century	**4MB16**		2MDV4
1/6	1625	CW/CCW	115	1.9	B	Ring	5 5/16"	2 1/2"	3 1/4" x 3 1/4"	5 1/4"	5 11/16"	40°C	Century	**4UY18**		2MDV4
	1075	CW/CCW	115	3.1	B	Ring	5 5/16"	2 1/2"	2 5/16" x 4"	5 1/4"	5 11/16"	40°C	Century	**4UY19**		2MDV4
1/5	1075	CW/CCW	115	3.2	B	Stud	4 9/16"	2 1/2"	3 1/8" x 3 1/8"	5"	4 15/16"	40°C	Century	**4MB18**		2MDV6
	1075	CW/CCW	230	1.3	B	Stud	4 9/16"	2 1/2"	3 1/8" x 3 1/8"	5"	4 15/16"	40°C	Century	**4MB20**		2MDV6
	1075	CW/CCW	230	1.3	B	Ring	4 9/16"	2 1/2"	3 1/8" x 3 1/8"	5"	4 15/16"	40°C	Century	**4KA44**		2MDV6
1/4	1625	CW/CCW	115	4.0	B	Ring	5 13/16"	2 1/2"	3 1/4" x 3 1/4"	5 1/4"	6 3/16"	40°C	Century	**4UY20**		2MDV6
	1075	CW/CCW	115	4.7	B	Stud	4 13/16"	2 1/4"	3 1/8" x 3 1/8"	4 1/8"	5 3/16"	40°C	Century	**4MB22**		2MDV4
	1075	CW/CCW	115	4.8	B	Ring	5 13/16"	2 1/2"	2 5/16" x 4"	5 1/4"	6 3/16"	40°C	Century	**4UY21**		2MDV6
	1075	CW/CCW	208-230	2.0	B	Ring	5 5/16"	2 1/2"	2 5/16" x 4"	5 1/4"	5 11/16"	40°C	Century	**4UY23**		2MDV4
	1075	CW/CCW	230	2.0	B	Stud	4 13/16"	2 1/4"	3 1/8" x 3 1/8"	4 1/8"	5 3/16"	40°C	Century	**4MB24**		2MDV4
1/3	1075	CW/CCW	115	6.3	B	Stud	4 13/16"	2 1/4"	3 1/8" x 3 1/8"	4 1/8"	5 3/16"	40°C	Century	**4MB26**		2MDV9
48 Frame, 5⅝" Body Dia., Ball Bearings																
1/4	1075	CW/CCW	115	3.6	B	Stud	5 1/8"	2 1/4"	3 3/8" x 3 3/8"	6 1/2"	5 5/16"	40°C	Genteq	**13G414**		Included
	1075	CW/CCW	208-230	1.7	B	Stud	5 1/8"	2 1/2"	3 3/8" x 3 3/8"	6 1/2"	5 5/16"	40°C	Genteq	**13G418**		Included
1/3	1075	CW/CCW	460	1.1	B	Stud	5 5/8"	2 1/4"	3 3/8" x 3 3/8"	6 1/2"	5 13/16"	40°C	Genteq	**13G405**	*	Included
	1075	CW/CCW	115	4.7	B	Stud	5 5/8"	2 1/4"	3 3/8" x 3 3/8"	6 1/2"	5 13/16"	40°C	Genteq	**13G415**		Included
	1075	CW/CCW	208-230	2.5	B	Stud	5 5/8"	2 1/4"	3 3/8" x 3 3/8"	6 1/2"	5 13/16"	40°C	Genteq	**13G419**	*	Included
1/2	1075	CW/CCW	460	1.6	B	Stud	5 5/8"	2 1/4"	3 3/8" x 3 3/8"	6 1/2"	6 5/16"	40°C	Genteq	**13G406**	*	Included
	1075	CW/CCW	115	8.6	B	Stud	6 3/8"	2 1/4"	3 3/8" x 3 3/8"	6 1/2"	6 5/16"	40°C	Genteq	**13G416**		Included
	1075	CW/CCW	208-230	3.8	B	Stud	6 1/8"	2 1/4"	3 3/8" x 3 3/8"	6 1/2"	6 5/16"	40°C	Genteq	**13G420**	*	Included
3/4	1075	CW/CCW	115	10.0	B	Stud	6 3/8"	2 1/4"	3 3/8" x 3 3/8"	6 1/2"	6 5/16"	40°C	Genteq	**13G417**		Included
4 Speed																
1/6	1075	CW/CCW	277/230	0.78	B	Stud	4 5/8"	2 1/4"	3 3/8" x 3 3/8"	6 1/2"	4 13/16"	40°C	Genteq	**13G399**	*	Included
1/4	1075	CW/CCW	277	1.1	B	Stud	5 1/8"	2 1/4"	3 3/8" x 3 3/8"	6 1/2"	5 5/16"	40°C	Genteq	**13G401**	*	Included
1/3	1075	CW/CCW	277	0.87	B	Stud	5 5/8"	2 1/4"	3 3/8" x 3 3/8"	6 1/2"	5 13/16"	40°C	Genteq	**13G402**	*	Included
1/2	1075	CW/CCW	277	3.1	B	Stud	6 1/8"	2 1/4"	3 3/8" x 3 3/8"	6 1/2"	6 5/16"	40°C	Genteq	**13G403**	*	Included
3/4	1075	CW/CCW	277	3.6	B	Stud	6 5/8"	2 1/4"	3 3/8" x 3 3/8"	6 1/2"	6 13/16"	40°C	Genteq	**13G404**	*	Included
48Y Frame, 5⅝" Body Dia., Sleeve Bearings																
1 Speed																
1/8	1550	CCWLE	115/208-230	2.7/1.2-1.4	B	Ring	4 11/16"	2 1/4"	—	4"	5 1/8"	40°C	Century	**4UU84**		Included
	1050	CCWLE	115	2.4	A	Ring	4 15/16"	2 1/2"	3 3/8" x 3 3/8"	4 15/16"	5 3/8"	40°C	Century	**4UU71**		Included
1/6	1550	CCWLE	115/208-230	2.8/1.4-1.4	B	Ring	4 7/16"	2 1/4"	—	4"	4 7/8"	40°C	Century	**4UU66**		2MDV7
	1075	CW/CCW	208-230	0.95	B	Ring	4 1/4"	2 1/4"	3 3/8" x 3 3/8"	5"	4 3/4"	60°C	Century	**4HCH4**		2MDV4
	1050	CCWLE	115/208-230	3.3/1.5-1.7	B	Ring	4 9/16"	2 1/2"	3 3/8" x 3 3/8"	3 3/8"	5 5/16"	40°C	Century	**2CDU1**		2MDV4
1/4	1550	CCWLE	115/208-230	4.9/2.5-2.5	B	Ring	5 1/16"	2 1/4"	—	4"	5 1/2"	40°C	Century	**4UU68**		2MDV3
	1075	CCWLE	115	3.6	B	Ring	4 11/16"	2 1/4"	2 9/16" x 4 7/16"	2 1/2"	5 1/8"	40°C	Century	**4UU86**		Included
	1075	CW/CCW	208-230	1.5	B	Ring	4 9/16"	2 1/4"	3 3/8" x 3 3/8"	5"	5"	60°C	Century	**5ELK6**		2MDV4
3 Speed																
1/6	1075	CW/CCW	115	3.2	B	Ring	4 7/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	4 7/8"	50°C	Century	**4MB30**		2MDV6
	1075	CW/CCW	115	2.7	B	T-Flex	—	—	—	5 1/2"	4 1/4"	40°C	Century	**4MB50**		2MDV4
1/4	1625	CW/CCW	115	3.0	A	Stud	4 15/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	5 3/8"	40°C	Century	**4MA80**		2MDV7
	1625	CW/CCW	208-230	1.8	A	Stud	4 15/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	5 3/8"	40°C	Century	**4MA82**		2MDV4
	1075	CW/CCW	208-230	1.6	B	T-Flex	—	—	—	6"	4 1/8"	50°C	Century	**4MB52**	*	2MDV4
1/3	1625	CW/CCW	115	4.0	A	Stud	5 3/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	5 3/8"	40°C	Century	**4MA84**		2MDV9
	1625	CW/CCW	208-230	2.0	A	Stud	5 3/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	5 3/8"	50°C	Century	**4MA86**		2MDV4
	1075	CW/CCW	115	4.2	A	Stud	5 3/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	5 3/8"	50°C	Century	**4MA66**		2MDV6
	1075	CW/CCW	208-230	2.4	B	T-Flex	—	—	—	6"	4 3/8"	50°C	Century	**4MB54**	*	2MDV6
	1075	CW/CCW	208-230	3.2	A	Stud	5 3/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	5 3/8"	50°C	Century	**4MA68**		2MDV4
	1075	CW/CCW	115	4.9	B	Ring	5"	2 1/4"	2 9/16" x 4 7/16"	5"	5 1/2"	40°C	Century	**4UU88**		2MDV6
1/2	1625	CW/CCW	115	7.6	A	Stud	5 11/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	6 1/8"	40°C	Century	**4MA88**		2MDV9
	1625	CW/CCW	208-230	2.8	A	Stud	5 11/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	6 1/8"	40°C	Century	**4MA90**		2MDV6
	1075	CW/CCW	115	5.6	A	Stud	5 11/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	6 1/8"	50°C	Century	**4MA70**		2MDV7
	1075	CW/CCW	208-230	3.3	B	T-Flex	—	—	—	6"	4 7/8"	50°C	Century	**4MB56**		2MDV7
	1075	CW/CCW	208-230	2.7	A	Stud	5 11/16"	2 1/4"	3 3/8" x 3 3/8"	5 7/8"	6 1/8"	50°C	Century	**4MA72**		2MDV6
3/4	1625	CW/CCW	115	8.5	A	Stud	6 3/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	6 3/8"	40°C	Century	**4MA92**		2MDV9
	1625	CW/CCW	208-230	4.0	A	Stud	6 3/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	6 3/8"	40°C	Century	**4MA94**		2MDV6
	1075	CW/CCW	115	9.8	B	Stud	6 3/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	6 3/8"	50°C	Century	**4MA74**		2MDV9
	1075	CW/CCW	208-230	5.0	B	T-Flex	—	—	—	6"	5 3/8"	50°C	Century	**4MB58**		2MDV7
	1075	CW/CCW	208-230	4.9	B	Stud	5 15/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	6 3/8"	50°C	Century	**4MA76**		2MDV7
4 Speed																
1/4	1075	CW/CCW	115	3.9	B	T-Flex	—	—	3 3/8" x 3 3/8"	5 1/2"	5 3/16"	50°C	Century	**2CDT9**		2MDV4
1/3	1075	CW/CCW	115	5.6	B	T-Flex	—	—	—	5 1/2"	4 13/16"	40°C	Century	**2FGP7**		2MDV4
1/2	1075	CW/CCW	115	8.9	B	T-Flex	—	—	3 3/8" x 3 3/8"	5 1/2"	5 1/2"	40°C	Century	**2FGR1**		2MDV6
3/4	1075	CW/CCW	115	10.9	A	T-Flex	—	—	—	6"	5 3/8"	50°C	Century	**4MB40**	*	2MDV9
5 Speed																
3/4	1075	CW/CCW	115	8.0	B	Stud	6 3/16"	2 1/4"	3 3/8" x 3 3/8"	5 15/16"	6 3/8"	40°C	Century	**4MA78**		2MDW6

**** 60/50 Hz.***

PSC Direct-Drive Blower/Fan Motors

- Enclosure: open air-over
- Rotation: CW/CCW
- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class B
- Mounting: ring/stud/band
- Bearings: sleeve, except No. 3LU87, 3LU89, and 3LU90 are ball
- Body dia.: 5⅝"
- Duty: continuous
- Ring dia.: 2¼"
- Stud pattern: 3⅝" x 3⅝"

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

No. 4M098

T-Flex Bracket
No. 2MEY7
(Included w/Nos. 7E647–7E682)

No. 3LU92

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Ring to Ring Center	Shaft Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Brand	Mfr. Model	Item No.	Capacitor Req.
Standard Efficient													
2 Speed													
¼	1075	48Y	115	3.5	4 1/16"	½"	4"	5⅛"	40°C	Century	DL001	**4KA24**	2MDV4
	1075	48Y	208-230	1.8	4 1/16"	½"	4"	5⅛"	40°C	Century	D0002	**4KA25**	2MDV4
⅓	1075	48Y	115	4.9	4 5/16"	½"	4"	5⅜"	40°C	Century	DL003	**4KA26**	2MDV6
	1075	48Y	208-230	2.6	4 5/16"	½"	4"	5⅜"	40°C	Century	D0004	**4KA27**	2MDV4
½	1075	48Y	115	6.5	5 7/16"	½"	4"	5⅞"	40°C	Century	DL005	**4KA28**	2MDV7
	1075	48Y	208-230	3.2	5 7/16"	½"	4"	5⅞"	40°C	Century	D0006	**4KA29**	2MDV6
¾	1075	48Y	115	8.9	6 3/16"	½"	4"	6⅝"	50°C	Century	DL007	**4KA30**	2MDV9
	1075	48Y	208-230	4.0	6 3/16"	½"	4"	6⅝"	40°C	Century	D0008	**4KA31**	2MDV7

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Ring to Ring Center	Shaft Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Brand	MOTOR ONLY Item No.	MOTOR W/ NO. 2MEY7* T-Flex Bracket Item No.	Capacitor Req.
Standard Efficient													
3 Speed													
¼	1075	48YZ	115	4.2	4¾"	½"	4"	5 3/16"	40°C	Dayton	**4M096**	**7E647**	2MDV4
	1075	48YZ	208-230	1.5	5¼"	½"	4"	5 11/16"	40°C	Dayton	**4M097**	**7E648**	2MDV4
⅓	1075	48YZ	115	5.0	5¼"	½"	4"	5 11/16"	40°C	Dayton	**4M098**	**7E649**	2MDV4
	1075	48YZ	208-230	2.4-2.4	5¼"	½"	4"	5 11/16"	40°C	Dayton	**4M099**	**7E650**	2MDV4
½	1075	48YZ	115	9.0	6"	½"	4"	6 7/16"	40°C	Dayton	**4M100**	**7E651**	2MDV4
	1075	48YZ	208-230	4.0-4.0	5¾"	½"	4"	6 3/16"	40°C	Dayton	**4M101**	**7E652**	2MDV4
¾	1075	48YZ	115	11.5	6"	½"	4"	6 7/16"	40°C	Dayton	**4M183**	**7E653**	2MDV9
	1075	48YZ	208-230	4.6	6"	½"	4"	6 7/16"	40°C	Dayton	**4M184**	**7E654**	2MDV7
Energy Efficient													
⅛	1075	48YZ	277	0.9	4¾"	½"	6"	5 3/16"	40°C	Dayton	**6GC93**	**7E657**	2MDV3
¼	1625	48YZ	115	3.4	5"	½"	6"	5 7/16"	40°C	Dayton	**3LU73**	**7E658**	2MDV7
	1625	48YZ	208-230	1.75-1.75	5"	½"	6"	5 7/16"	40°C	Dayton	**3LU74**	**7E659**	2MDV4
	1075	48YZ	277	2.0	5"	½"	6"	5 7/16"	40°C	Dayton	**3M712**	**7E662**	2MDV3
⅓	1625	48YZ	115	5.1	5¼"	½"	6"	5 11/16"	40°C	Dayton	**3LU77**	**7E663**	2MDV9
	1625	48YZ	208-230	1.9-2.2	5¾"	½"	6"	6⅛"	40°C	Dayton	**3LU78**	**7E664**	2MDV6
	1075	48YZ	277	2.2	5¾"	½"	6"	6 3/16"	40°C	Dayton	**3M713**	**7E667**	2MDV3
½	1625	48YZ	115	5.5	5¾"	½"	6"	6 3/16"	40°C	Dayton	**3LU81**	**7E668**	2MDV9
	1625	48YZ	208-230	4.0-4.5	5¾"	½"	6"	6 3/16"	40°C	Dayton	**3LU82**	**7E669**	2MDV6
	1075	48YZ	277	2.6	6"	½"	6"	6 13/32"	40°C	Dayton	**3M714**	**7E672**	2MDV5
¾	1650	48YZ	115	8.8	6¼"	½"	6"	6 21/32"	40°C	Dayton	—	**7E673**	2MDV9
	1625	48YZ	115	8.8	6¼"	½"	6"	6 21/32"	40°C	Dayton	**3LU85**	—	2MDV9
	1625	48YZ	208-230	4.4-4.2	5 15/16"	½"	6"	6 7/16"	40°C	Dayton	**3LU86**	**7E674**	2MDV7
	1075	48YZ	277	4.1	6¾"	½"	6"	7 5/32"	40°C	Dayton	**6GC94**	**7E677**	2MDV9
1	1625	48YZ	115	10	6¾"	½"	6"	7 5/32"	40°C	Dayton	**3LU89**	**7E678**	2MDW3
	1625	48YZ	208-230	6.0-6.8	7"	½"	6"	7 7/16"	40°C	Dayton	**3LU90**	**7E679**	2MDW2
	1075	48YZ	277	6.9	6 15/16"	½"	6¼"	7 11/16"	40°C	Dayton	**6GC95**	**7E682**	2MDW4
4 Speed													
⅛	1075	48YZ	115	2.7	4¾"	½"	6"	5 3/16"	40°C	Dayton	**3LU71**	**7E655**	2MDV3
	1075	48YZ	208-230	1.13-1.2	5"	½"	5 13/16"	5 13/32"	40°C	Dayton	**3LU72**	**7E656**	2MDV4
¼	1075	48YZ	115	3.8	5 5/32"	½"	6"	5 3/16"	40°C	Dayton	**3LU75**	**7E660**	2MDV4
	1075	48YZ	208-230	1.8-1.7	5"	½"	6"	5 7/16"	40°C	Dayton	**3LU76**	**7E661**	2MDV4
⅓	1075	48YZ	115	4.6	5½"	½"	6"	5 15/16"	40°C	Dayton	**3LU79**	**7E665**	2MDV6
	1075	48YZ	208-230	2.9-3.14	5¾"	½"	5 13/16"	6 5/32"	40°C	Dayton	**3LU80**	**7E666**	2MDV5
½	1075	48YZ	115	7.1	5¾"	½"	6"	6 5/32"	40°C	Dayton	**3LU83**	**7E670**	2MDV6
	1075	48YZ	208-230	3.3-3.1	6"	½"	6"	6 7/16"	40°C	Dayton	**3LU84**	**7E671**	2MDV6
¾	1075	48YZ	115	10.6	6½"	½"	6"	6 15/16"	40°C	Dayton	**3LU87**	**7E675**	2MDV9
	1075	48YZ	208-230	6.1-5.8	6½"	½"	6"	6 15/16"	40°C	Dayton	**3LU88**	**7E676**	2MDV7
1	1075	48YZ	115	15.8	7"	½"	6"	7 7/16"	40°C	Dayton	**3LU91**	**7E680**	2MDW2
	1075	48YZ	208-230	5.8-6.8	7"	½"	6"	7 7/16"	40°C	Dayton	**3LU92**	**7E681**	2MDW2

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