



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%	3/8"	2 1/8"	11 13/16"	5XAT3 *
	1750	145TC	230/460	5.7/2.8	1.15	86.5%	3/8"	2 1/8"	12 3/8"	5XAT4 *
3	3535	182TC	230/460	7.4/3.7	1.15	88.5%	1 1/8"	2 3/8"	16 3/4"	5XAT7 *
	1765	182TC	230/460	7.6/3.8	1.15	89.5%	1 1/8"	2 3/8"	14 1/8"	5XAU0 *
5	1755	184TC	230/460	12.5/6.2	1.15	89.5%	1 1/8"	2 3/8"	14 1/8"	5XAU1 *
7 1/2	1765	213TC	230/460	18.2/9.1	1.15	91.7%	1 3/8"	3 1/8"	16 1/4"	5XAV0 *
10	1760	215TC	230/460	24.0/12.0	1.15	91.7%	1 3/8"	3 1/8"	17 1/4"	5XAV1 *
Totally Enclosed Fan-Cooled, Face-Mount										
3	1765	182TC	230/460	7.6/3.8	1.15	89.5%	1 1/8"	2 3/8"	14 1/8"	5XAU5 *
	3525	184TC	230/460	12.0/6.0	1.15	89.5%	1 1/8"	2 3/8"	14 1/8"	5XAU6 *
5	1755	184TC	230/460	12.5/6.2	1.15	89.5%	1 1/8"	2 3/8"	14 1/8"	5XAU7 *
	3520	213TC	230/460	17.4/8.7	1.15	91.0%	1 3/8"	3 1/8"	18 1/4"	5XAU9 *
7 1/2	1765	213TC	230/460	18.2/9.1	1.15	91.7%	1 3/8"	3 1/8"	16 1/4"	2DAM7 *
	3515	215TC	230/460	23.1/11.6	1.15	91.0%	1 3/8"	3 1/8"	18 1/4"	2DAM8 *
10	1760	215TC	230/460	23.9/11.9	1.15	91.7%	1 3/8"	3 1/8"	17 1/4"	2DAM9 *
15	3540	215TC	230/460	35.0/17.4	1.15	93.0%	1 3/8"	3 1/8"	19 1/4"	2DAN1 *
Totally Enclosed Fan-Cooled, Rigid Base-Mount										
1/2	1750	56	230/460	1.6/0.8	1.15	78.5%	5/8"	1 1/8"	11 1/2"	2DAK7 *
3/4	1745	56	230/460	2.3/1.2	1.15	81.5%	5/8"	1 1/8"	11 1/2"	2DAK8 *
1	1750	143T	230/460	3.0/1.5	1.15	85.5%	3/4"	2 3/8"	11 1/2"	5XAT8 *
1 1/2	1755	145T	230/460	4.3/2.1	1.15	86.5%	3/4"	2 3/8"	12"	5XAT9 *
2	1750	145T	230/460	5.7/2.8	1.15	86.5%	3/4"	2 3/8"	12"	5XAT5 *
3	1765	182T	230/460	7.6/3.8	1.15	89.5%	1 1/8"	3"	12 3/4"	5XAU2 *
5	3525	184T	230/460	12.1/6.1	1.15	89.5%	1 1/8"	3"	12 3/4"	5XAU3 *
	1755	184T	230/460	12.5/6.2	1.15	89.5%	1 1/8"	3"	12 3/4"	5XAU4 *
7 1/2	3520	213T	230/460	17.4/8.7	1.15	91.0%	1 3/8"	3 3/8"	16 3/8"	5XAU8 *
	1765	213T	230/460	18.2/9.1	1.15	91.7%	1 3/8"	3 3/8"	14 3/8"	5XAV2 *
10	1760	215T	230/460	24.0/12.0	1.15	91.7%	1 3/8"	3 3/8"	15 3/8"	5XAV3 *
Totally Enclosed Nonventilated, Face/Base-Mount										
1/2	3550	56C	230/460	1.4/0.7	1.15	82.5%	5/8"	2"	9 11/16"	1TRZ7 *
	1750	56C	230/460	1.6/0.8	1.15	80.0%	5/8"	2"	9 1/4"	1TRZ3 *
3/4	3500	56C	230/460	2.0/1.0	1.15	80.0%	5/8"	2"	9 1/4"	1TRZ8 *
	1745	56C	230/460	2.3/1.2	1.15	81.5%	5/8"	2"	9 1/4"	1TRZ4 *
1	3520	56C	230/460	2.5/1.3	1.15	85.5%	5/8"	2"	9 11/16"	1TRZ9 *
	1750	143TC	230/460	3.0/1.5	1.15	85.5%	3/4"	2 1/8"	10 3/8"	1TRZ2 *
	1750	56C	230/460	3.0/1.5	1.15	85.5%	5/8"	2"	10 3/4"	1TRZ6 *
1 1/2	3505	56HC	230/460	3.6/1.8	1.15	86.5%	5/8"	2"	10 3/4"	1TTA1 *
	1750	145TC	230/460	4.3/2.1	1.15	86.5%	3/4"	2 1/8"	10 11/16"	1TRZ1 *
	1750	56HC	230/460	4.3/2.1	1.00	86.5%	5/8"	2"	10 11/16"	1TRZ5 *
Totally Enclosed Nonventilated, Face-Mount										
1/2	1765	56C	230/460	1.5/0.7	1.15	74.0%	5/8"	2"	8 11/16"	1TTB1 *
1/2	1750	56C	230/460	1.6/0.8	1.15	80.0%	5/8"	2"	9 3/16"	1TTB6 *
3/4	3500	56C	230/460	2.0/1.0	1.15	80.0%	5/8"	2"	9 3/16"	1TTA3 *
	1745	56C	230/460	2.3/1.2	1.15	82.5%	5/8"	2"	9 3/16"	1TTB5 *
1	1750	56C	230/460	3.1/1.5	1.15	85.5%	5/8"	1 1/8"	10 3/16"	48ZJ94 *
	1750	143TC	230/460	3.0/1.5	1.15	85.5%	3/4"	2 1/8"	10 3/8"	1TTB7 *
1 1/2	1750	145TC	230/460	4.3/2.1	1.00	86.5%	3/4"	2 1/8"	10 11/16"	1TTB8 *
Totally Enclosed Nonventilated, Rigid Base-Mount										
1/2	1750	56	230/460	1.6/0.8	1.15	78.5%	5/8"	1 1/8"	8 7/8"	1TTC3 *
3/4	1745	56	230/460	2.3/1.2	1.15	81.5%	5/8"	1 1/8"	8 7/8"	1TTC2 *
1	1750	56	230/460	3.0/1.5	1.15	85.5%	5/8"	1 1/8"	9 7/8"	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							
1/4	1750	56C	2.5	5/8"	1 3/8"	8 7/8"	1F654
1/2	1750	56C	3.5	5/8"	1 3/8"	9 3/8"	1F652
3/4	1750	56C	5	5/8"	1 3/8"	9 3/8"	1F650
1	1750	56C	7.6	5/8"	1 3/8"	11 1/8"	1F646
1	1750	56C	10.0	5/8"	1 3/8"	12 1/8"	1F642
180VDC Permanent Magnet, Face/Base-Mount							
1/2	1750	56C	3.5	5/8"	1 3/8"	9 3/8"	1F648
3/4	1750	56C	3.8	5/8"	1 3/8"	11 1/8"	1F644
1	1750	56C	5.0	5/8"	1 3/8"	12 1/8"	1F640

No. 1F654

• Replacement brushes available on Grainger.com®

