



1-800-GRAINGER (472-4643)

1- and 3-Phase Stainless Steel Washdown Motors

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

Feature exterior components of 300 Series stainless steel for 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. 1-phase models are built to comply with NEMA MG1-1.26.6. All motors are for use in the food processing, chemical processing, and beverage industries.

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Shaft Dia.	Shaft Length	Overall Length	Item No.
Single-Phase, Capacitor-Start/Run										
Totally Enclosed Fan-Cooled, Face-Mount										
3/4	1,745	56C	115/208-230V AC	7.6/4.0-3.8	1.15	78 %	5/8 in	1 1/8 in	13 1/8 in	11G244
1	1,745	56C	115/208-230V AC	11.2/5.8-5.6	1.15	66 %	5/8 in	1 1/8 in	13 1/8 in	11G245
1 1/2	1,745	56C	115/208-230V AC	14.8/7.6-7.4	1.15	81 %	5/8 in	1 1/8 in	14 3/8 in	11G246
2	3,450	56C	208-230V AC	8.9-7.4	1.15	83 %	5/8 in	1 1/8 in	14 3/8 in	11G247
	1,745	56C	208-230V AC	9.9-8.5	1	80 %	5/8 in	1 1/8 in	14 7/8 in	11G248
Totally Enclosed Fan-Cooled, Face/Base-Mount										
1/2	1,745	56HC	115/208-230V AC	5.0/2.6-2.5	1.15	77.3 %	5/8 in	1 1/8 in	13 1/8 in	11G252
3/4	1,745	56HC	115/208-230V AC	7.6/4.0-3.8	1.15	78 %	5/8 in	1 1/8 in	13 1/8 in	11G253
1	1,745	56HC	115/208-230V AC	11.2/5.8-5.6	1.15	66 %	5/8 in	1 1/8 in	13 1/8 in	11G254
1 1/2	1,745	56HC	115/208-230V AC	14.8/7.6-7.4	1.15	81 %	5/8 in	1 1/8 in	14 3/8 in	11G255
2	3,450	56HC	208-230V AC	8.9-7.9	1.15	83 %	5/8 in	1 1/8 in	14 3/8 in	11G256
	1,745	56HC	208-230V AC	9.9-8.5	1	80 %	5/8 in	1 1/8 in	14 7/8 in	11G257
Totally Enclosed Air-Over, Yoke-Mount										
1/4	1,075	48Y2	115V AC	3.5	1	55.3 %	1/2 in	4 1/8 in	11 9/16 in	12V772
1/2	1,075	48Y2	115V AC	5.8	1	63.3 %	5/8 in	4 1/8 in	12 9/16 in	12V775
Three-Phase, Inverter Duty, 10:1 Variable and 6:1 Constant Torque										
Totally Enclosed Nonventilated, Face-Mount										
1/2	1,745	56C	208-230/460V AC	1.80-1.60/0.80	1.15	82.5 %	5/8 in	1 1/8 in	9 3/4 in	6WY53
	1,155	56C	208-230/460V AC	1.90-1.80/0.90	1.15	80 %	5/8 in	1 1/8 in	9 3/4 in	6WY51
3/4	1,745	56C	208-230/460V AC	2.3-2.2/1.10	1.15	82.5 %	5/8 in	1 1/8 in	9 3/4 in	6WY55
	1,155	56C	208-230/460V AC	3.8-3.7/1.85	1.15	80 %	5/8 in	1 1/8 in	11 1/8 in	6WY54
1	1,740	56C	230/460V AC	3.0/1.50	1.15	85.5 %	5/8 in	1 1/8 in	11 9/16 in	6WY57
Totally Enclosed Nonventilated, Face/Base-Mount										
1/2	3,500	56C	208-230/460V AC	1.20-1.10/0.55	1.15	74 %	5/8 in	1 1/8 in	9 3/8 in	6WY29
	1,745	56C	208-230/460V AC	1.40-1.20/0.60	1.15	82.5 %	5/8 in	1 1/8 in	9 7/8 in	6WY28
	3,460	56C	208-230/460V AC	1.60-1.50/0.75	1.15	77 %	5/8 in	1 1/8 in	9 3/8 in	6WY32
3/4	1,745	56C	208-230/460V AC	1.80-1.60/0.80	1.15	82.5 %	5/8 in	1 1/8 in	9 7/8 in	6WY31
	1,155	56C	208-230/460V AC	1.90-1.80/0.90	1.15	80 %	5/8 in	1 1/8 in	9 7/8 in	6WY30
	3,500	56C	208-230/460V AC	2.3-2.2/1.10	1.15	80 %	5/8 in	1 1/8 in	9 3/8 in	6WY35
	1,745	56C	208-230/460V AC	2.3-2.2/1.10	1.15	82.5 %	5/8 in	1 1/8 in	9 7/8 in	6WY34
	1,155	56HC	208-230/460V AC	3.8-3.7/1.85	1.15	80 %	5/8 in	1 1/8 in	11 1/8 in	6WY33
1	1,740	56HC	230/460V AC	3.0/1.50	1.15	85.5 %	5/8 in	1 1/8 in	11 9/16 in	6WY38
Three-Phase, Inverter Duty, 10:1 Variable and 3:1 Constant Torque										
Totally Enclosed Fan-Cooled, Face-Mount										
1	1,750	143TC	230/460V AC	2.9/1.45	1.15	85.5 %	7/8 in	2 1/4 in	13 1/4 in	6WY58
	1,165	56C	230/460V AC	4.0/2.00	1.15	82.5 %	5/8 in	1 1/8 in	13 1/4 in	6WY56
1 1/2	1,750	145TC	230/460V AC	4.6/2.3	1.15	86.5 %	7/8 in	2 1/4 in	13 1/4 in	6WY60
	1,750	56C	230/460V AC	4.0/2.00	1.15	86.5 %	5/8 in	1 1/8 in	13 1/4 in	6WY59
2	1,750	145TC	230/460V AC	6.0/3.0	1.15	86.5 %	7/8 in	2 1/4 in	13 1/4 in	6WY61
	1,750	56C	230/460V AC	6.0/3.0	1.15	86.5 %	5/8 in	1 1/8 in	13 1/4 in	6WY62
Totally Enclosed Fan-Cooled, Face/Base-Mount										
1	3,470	56HC	230/460V AC	2.8/1.40	1.15	77 %	5/8 in	1 1/8 in	11 9/16 in	6WY40
	1,750	143TC	230/460V AC	3.0/1.50	1.15	85.5 %	7/8 in	2 1/4 in	13 1/4 in	4GPR9
	1,165	145TC	230/460V AC	4.0/2.00	1.15	82.5 %	7/8 in	2 1/4 in	12 9/16 in	4GPT1
	1,165	56HC	230/460V AC	4.0/2.00	1.15	82.5 %	5/8 in	1 1/8 in	13 1/4 in	6WY36
1 1/2	3,480	56HC	230/460V AC	4.0/2.00	1.15	84 %	5/8 in	1 1/8 in	13 1/4 in	6WY44
	1,750	145TC	230/460V AC	4.0/2.00	1.15	86.5 %	7/8 in	2 1/4 in	12 9/16 in	4GPT2
	1,750	56HC	230/460V AC	4.0/2.00	1.15	86.5 %	5/8 in	1 1/8 in	13 1/4 in	6WY42
	3,480	145TC	230/460V AC	4.8/2.4	1.15	85.5 %	7/8 in	2 1/4 in	13 1/8 in	4GPT3
2	3,480	56HC	230/460V AC	4.8/2.4	1.15	85.5 %	5/8 in	1 1/8 in	13 1/4 in	6WY48
	1,750	145TC	230/460V AC	6.0/3.0	1.15	86.5 %	7/8 in	2 1/4 in	13 1/8 in	4GPT4
	1,750	56HC	230/460V AC	6.0/3.0	1.15	86.5 %	5/8 in	1 1/8 in	13 1/4 in	6WY46
Three-Phase, Inverter Duty, 10:1 Variable and 4:1 Constant Torque										
Totally Enclosed Fan-Cooled, Face/Base-Mount										
3	3,510	182TC	230/460V AC	8.1/4.05	1.15	86.5 %	1 1/8 in	2 3/4 in	16 1/8 in	2RKY6
	1,765	182TC	230/460V AC	8.0/4.0	1.15	89.5 %	1 1/8 in	2 3/4 in	16 1/8 in	2RKY5
5	3,525	184TC	230/460V AC	12.2/6.1	1.15	88.5 %	1 1/8 in	2 3/4 in	16 1/8 in	2RKY8
	1,765	184TC	230/460V AC	12.5/6.3	1.15	89.5 %	1 1/8 in	2 3/4 in	16 1/8 in	2RKY7
7 1/2	1,765	213TC	230/460V AC	18.6/9.3	1.15	91.7 %	1 3/8 in	3 3/8 in	21 1/2 in	2RKY9
10	3,525	215TC	230/460V AC	24.4/12.2	1.15	90.2 %	1 3/8 in	3 3/8 in	22 3/8 in	2RKZ3
	1,760	215TC	230/460V AC	24.4/12.2	1.15	91.7 %	1 3/8 in	3 3/8 in	22 3/8 in	2RKZ2
15	3,540	254TC	230/460V AC	37.0/18.5	1.15	91 %	1 3/8 in	4 in	23 3/4 in	2RKZ5
20	3,540	256TC	230/460V AC	46.0/23.0	1.15	91 %	1 3/8 in	4 in	22 3/8 in	2RKZ7



Face-Mount



Face/Base-Mount



Yoke-Mount



5XB84



3-Phase Wet Environment/Car Wash Motors

- Enclosure: totally enclosed fan-cooled
- Rotation: CW/CCW
- Insulation: Class F
- Mounting: face
- Bearings: 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.

HP	Nameplate RPM	Motor Thermal Protection	Frame	Voltage	Full Load Amps	Service Factor	Nom. Efficiency	Shaft Dia.	Shaft Length	Overall Length	Item No.
3/4	1,725	56C	Auto	230/460V AC	3.0/1.50	1.15	77 %	5/8 in	2 1/8 in	11 1/8 in	5XB84
1	1,760	56C	None	230/460V AC	3.2/1.60	1.15	85.5 %	5/8 in	2 1/8 in	12 1/8 in	53DE48

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.