

1-800-GRAINGER (472-4643)



Capacitor-Start Open Dripproof Belt-Drive Motors

- Rotation: CW/CCW
- Thermal protection: auto
- Max. ambient temp.: 40°C, except 4VAG4 to 4VAG7 are 60°C; 4YU31 is 65°C

Have a capacitor to provide additional power during startup for higher starting torque. This higher torque allows these single-phase motors to handle heavier loads at lower speeds. Motors

are for use with belt-drive applications, including furnace blowers, exhaust fans, industrial blowers, and ventilators. 2-speed models are for use in diminishing-torque air-moving applications such as belt- or direct-drive fans and blowers. 4UB57 and 4UB98 include 5/8"-key shaft adapter. 4UB57 is notched for 48 or 56 NEMA frame mount.



24C180

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Ins. Class	Service Factor	Bearings	Shaft Dia.	Shaft Length	Brand	Mfr. Model	Item No.
1-Speed, Open Dripproof with Cradle Base Mounting												
1/4	1,725	48YZ	115/208-230V AC	6.2/2.8-3.1	B	1.35	Ball	1/2 in	1 1/8 in	Dayton	1AGG1	1AGG1
	1,725	48Y	115/208-230V AC	4.5/2.2-2.3	B	1.15	Ball	1/2 in	1 1/8 in	Dayton	4VAG4BG	4VAG4
	1,725	48Z	115/230V AC	5.4/2.7	B	1.35	Ball	1/2 in	1 1/8 in	Dayton	6K490	6K490 *
1/3	1,725	56	115/230V AC	5.7/2.8	B	1.35	Ball	5/8 in	1 1/8 in	Dayton	6K366	6K366
	1,725	48Z	115/208-230V AC	5.8/3.1-2.9	B	1.35	Ball	1/2 in	1 1/8 in	Dayton	1AGG2	1AGG2
	1,725	48Z	115/208-230V AC	5.8/3.1-2.9	—	1.35	Ball	1/2 in	1 1/8 in	Marathon	048C17D2044	490T67
	1,725	48Y	115/208-230V AC	5.9/3.0-2.8	B	1.15	Ball	1/2 in	1 1/8 in	Dayton	4VAG5	4VAG5
	1,725	56Z	115V AC	5.7	B	1	Ball	1/2 in	1 1/8 in	Century	807L	5VD15
	1,725	56	115/230V AC	7.7/3.8	B	1.25	Ball	5/8 in	1 1/8 in	Dayton	3K199	3K199 *
1/2	1,725	48Z	115/230V AC	8.2/4.1	B	1.25	Ball	1/2 in	1 1/8 in	Dayton	6K965	6K965
	1,725	56	115/208-230V AC	8.2/4.1-4.0	—	1.25	Ball	5/8 in	2 in	Century	C412V2	490T53
	1,725	56	115/208-230V AC	7.2/3.6-3.6	B	1.25	Ball	5/8 in	1 1/8 in	Dayton	1AGG3	1AGG3
	1,725	56H	115/208-230V AC	7.7/3.8-3.7	B	1.25	Ball	5/8 in	1 1/8 in	Dayton	24C180	24C180
	1,725	56	115/208-230V AC	8.2/4.1	B	1.15	Ball	5/8 in	1 1/8 in	Dayton	4VAG6BG	4VAG6
	3,450	48Y	115/208-230V AC	8.0/4.0-3.8	B	1.25	Ball	5/8 in	1 9/16 in	Century	B590	4UB57 †
	1,725	56	115/230V AC	9.8/5.0	B	1.25	Ball	5/8 in	1 1/8 in	Dayton	6K376	6K376 *
	1,725	56	115/208-230V AC	10.4/5.2-5.2	B	1.25	Ball	5/8 in	2 in	Century	C426V2	4UB63 ‡
	1,725	56H	115/208-230V AC	9.8/5.2-5.0	B	1.25	Ball	5/8 in	1 1/8 in	Dayton	24C181	24C181
	1,725	56	115/208-230V AC	11.1/5.5-5.5	B	1.25	Ball	5/8 in	1 1/8 in	Dayton	4VAG7	4VAG7
3/4	3,450	56	115/208-230V AC	4.7-4.6/9.2	A	1.25	Sleeve	5/8 in	2 in	Century	B642	4LY81
	1,725	56	115/208-230V AC	13.6/6.9-6.9	B	1.15	Ball	5/8 in	1 1/8 in	Dayton	6K321	6K321
	1,725	56Z	115/208-230V AC	6.2-6.3/12.6	B	1.15	Ball	5/8 in	2 3/8 in	Century	C523V1	4UB98 ‡
	1,725	56H	115/208-230V AC	13.6/6.9-6.9	B	1.15	Ball	5/8 in	1 1/8 in	Dayton	24C182	24C182
	1,725	56	115/208-230V AC	13.2/6.6-6.6	—	1.25	Ball	5/8 in	1 1/8 in	Century	C692V1	490T55
	1,725	56	115/208-230V AC	12.8/6.4-6.4	B	1.15	Ball	5/8 in	1 1/8 in	Dayton	4YU30	4YU30
	1,725	56Z	115/208-230V AC	14.4/7.2-7.2	—	1.15	Ball	5/8 in	2 1/4 in	Marathon	5KC49NN0061T	490T68
	3,450	56	115/208-230V AC	6.6-6.0/12.0	A	1.25	Sleeve	5/8 in	1 1/8 in	Century	B701	4LY83
	3,450	56	115/208-230V AC	6.6-6.0/12.0	B	1.25	Ball	5/8 in	2 in	Century	B589	4UB65
	1 1/2	3,450	56	115/208-230V AC	8.6-8.0/16.0	B	1.2	Ball	5/8 in	1 1/8 in	Century	B722L
1-Speed, Open Dripproof with Rigid Base Mounting												
1 1/2	1,725	56H	115/208-230V AC	13.2/7.2-6.6	B	1.15	Ball	5/8 in	2 1/4 in	Dayton	4YU31	4YU31
2-Speed, Open Dripproof with Cradle Base Mounting												
1/2, 3/4	1,725/1,140	56	115V AC	6.8/4.8	A	1	Sleeve	5/8 in	1 1/8 in	Century	C678V1	4LY80
3/4, 1/2	1,725/1,140	56	115V AC	8.6/6.1	A	1	Sleeve	5/8 in	1 1/8 in	Century	A56C64DRS40003A2A	4LY85
3/4, 1/4	1,725/1,140	56	208-230V AC	5.0/2.8	B	1.25	Ball	5/8 in	2 in	Century	C534V1	4UB52 ‡
3/4, 1/2	1,725/1,140	56	115V AC	10.0/4.0	B	1.25	Ball	5/8 in	2 in	Century	C533	4UB51 ‡
3/4, 1/2	1,725/1,140	56	230V AC	5.0/3.2	A	1	Sleeve	5/8 in	1 1/8 in	Century	C742V1	4LY87
1, 1/2	1,725/1,140	56	115V AC	12.4-7.8	B	1.15	Ball	5/8 in	1 1/8 in	Century	C471A	4UB53 ‡
1, 1/2	1,725/1,140	56	208-230V AC	6.3-6.0/3.8-3.3	B	1	Ball	5/8 in	1 1/8 in	Century	C472V1	4LY89 ‡
1, 1/2	1,725/1,160	56	208-230V AC	6.4-6.0/3.5-3.4	B	1.15	Ball	5/8 in	1 1/8 in	Century	C472A	4UB55 ‡

* 60/50 Hz. † 3/8" x 3/8" stud mounting pattern. ‡ 4 1/8" x 4 1/8" stud mounting pattern.



Capacitor-Start/Run Belt-Drive Motors

- Rotation: CW/CCW
- Thermal protection: auto
- Insulation: Class B
- Bearings: ball
- Max. ambient temp.: 40°C, except 4VAG8 is 60°C

Feature a capacitor to provide additional power during startup for higher torque, and a separate capacitor to run for higher operating efficiency. Motors are used to power HVAC equipment such as air coolers, belt-drive fans, roof ventilators, and air circulators.



4RGW9

HP	Nameplate RPM	Frame	Motor Enclosure Design	Voltage	Full Load Amps	Service Factor	Shaft Dia.	Shaft Length	Brand	Mfr. Model	Item No.
1-Speed, Cradle Base Mounting											
1	1,725	56	Open Dripproof	115/208-230V AC	7.8/4.4-4.0	1.25	5/8 in	1 1/8 in	Dayton	4VAG8	4VAG8
2	1,725	56H	Open	115/208-230V AC	19.6/9.8	1.15	5/8 in	2 in	Century	RB1204AV1	4RGW9
1-Speed, Rigid Base Mounting											
1/2	1,725	56	Totally Enclosed Air-Over	115/230V AC	4.6/2.3	1	5/8 in	2 in	Marathon	056B17T20	19YV63
1	1,725	56	Totally Enclosed Nonventilated	115/230V AC	9.2/4.6	1	5/8 in	2 3/8 in	Marathon	056B17T5303	19YV64

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.