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.***