

# PRODUCT INFORMATION PACKET

Model No: 056E17F2015  
Catalog No: Z671  
2 HP Low Voltage Motor, 1800 RPM, 24 V, 56CZ Frame, TEFC  
Low Voltage Motors



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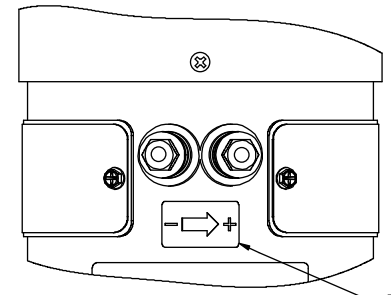
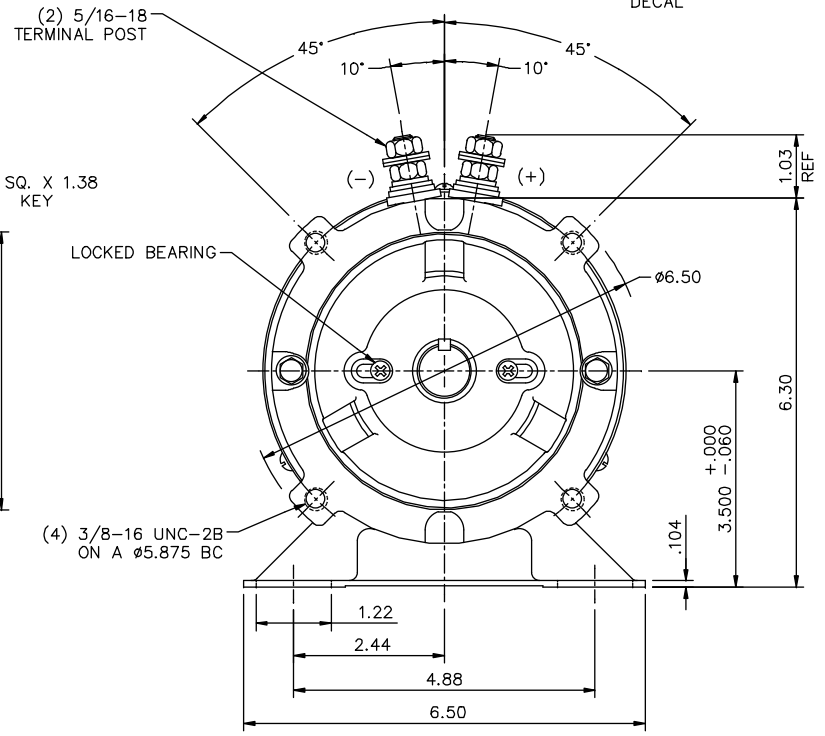
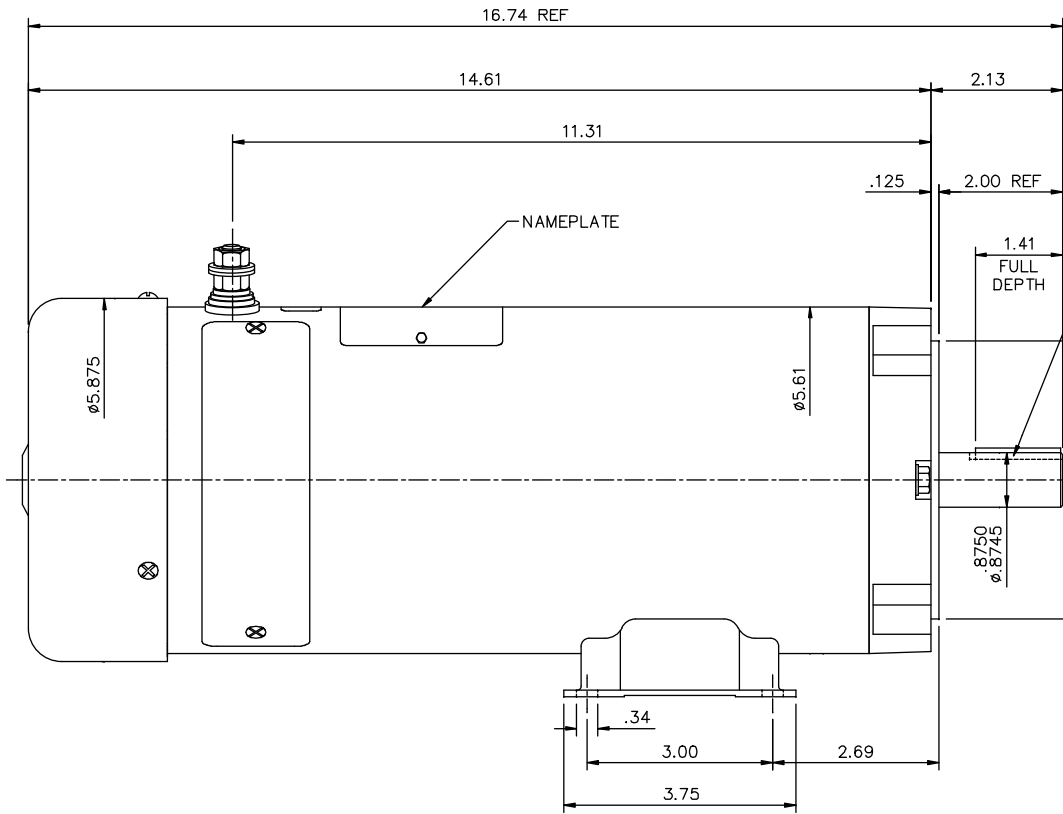
**Nameplate Specifications**

Output HP	<b>2 Hp</b>	Output KW	<b>1.5 kW</b>
Voltage	<b>24 V</b>	Current	<b>70.0 A</b>
Speed	<b>1800 rpm</b>	Service Factor	<b>1</b>
Efficiency	<b>85.8 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Frame	<b>S56CZ</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Thermal Protection	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6205</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>N</b>

**Technical Specifications**

Rotation	<b>Reversible</b>	Mounting	<b>Rigid C base</b>
Overall Length	<b>16.74 in</b>	Frame Length	<b>11.50 in</b>
Shaft Diameter	<b>0.875 in</b>	Shaft Extension	<b>2 in</b>
Connection Drawing	<b>00531901</b>	Outline Drawing	<b>612-0139-000</b>

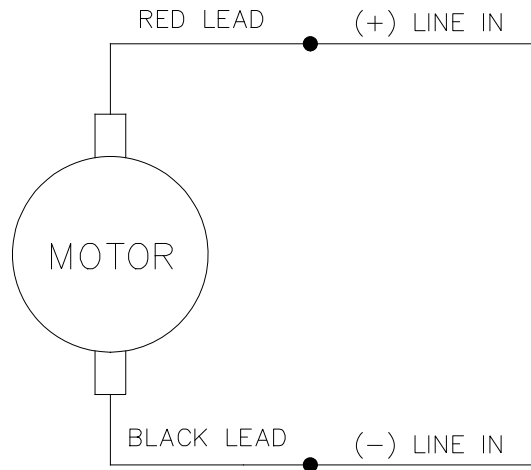
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- NOTES:
1. MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
  2. MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
  3. PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
  4. GASKETS THROUGHOUT.

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN
		DEC.	INCHES			IPG 11/1/13
		.X	±.1			CHK
		.XX	±.03	TITLE	OUTLINE - 48 FRAME DC	APPD
		.XXX	±.005		S56C - 145TC MOUNTING - TURBO	SCALE 1=2
		.XXXX	±.0005	MAT'L.		REF 031819
00	RELEASED			FINISH		FMP 056E17F2015
NO.	REVISION	BY & DATE	CHK	RFP	CAD FILE 612-0139	PREV
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				DIST		SIZE B
						DRAWING NO. 612-0139
						REV. 00

005319.01



CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR  
TO REVERSE ROTATION INTERCHANGE LINE LEADS

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN TJF 11/15/97		
				DEC.	INCHES		CHK		
				.X	±.1		APPD POW 11/15/97		
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG	3/14/19	.XX	±.01	TITLE	EXTERNAL WIRING DIAGRAM		
D	UPDATED TO MAKE IT GENERIC, ECO-0163547	IPG	3/13/19	.XXX	±.005		PMDC MOTOR		
01	REDRAWN ON CAD. REVISED NOTES.	SJB	9/20/2005	.XXXX	±.0005	MAT'L.	SCALE 1=2		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	REF		
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