

PRODUCT INFORMATION PACKET



Model No: 108707.00
Catalog No: 108707.00
Parallel Shaft Gearmotor, 0.50 HP, 90 V, 18 RPM, 48Y Frame, TEFC



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Nameplate Specifications

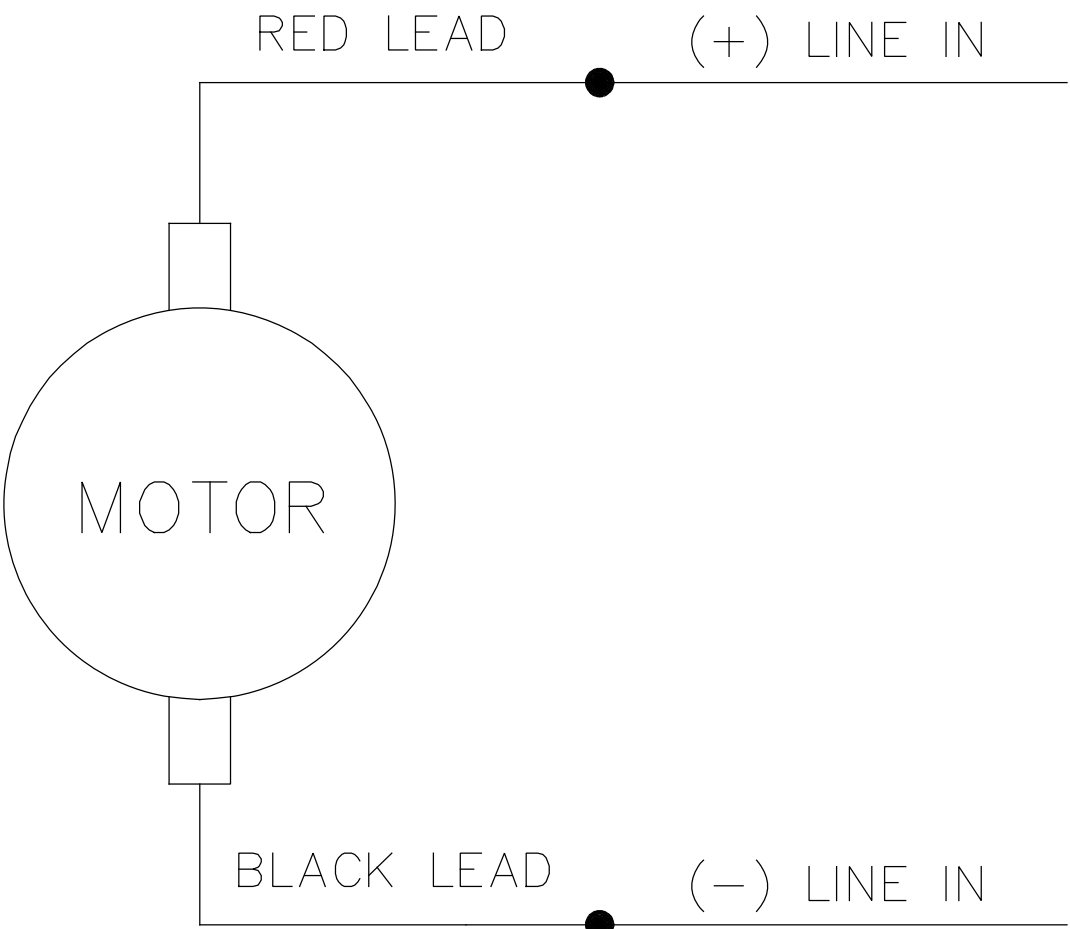
Output HP	0.50 Hp	Output KW	0.37 kW
Voltage	90 V	Current	5.0 A
Speed	18 rpm	Service Factor	1
Efficiency	66.9 %	Duty	Continuous
Insulation Class	F	Frame	48Y
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

Technical Specifications

Rotation	Reversible	Mounting	Special
Shaft Type	Parallel	Overall Length	16.31 in
Frame Length	5.97 in	Shaft Diameter	0.750 in
Shaft Extension	1.5 in	Torque	1112 LB-IN
Connection Drawing	00531901	Outline Drawing	032031-108707

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005319.01



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

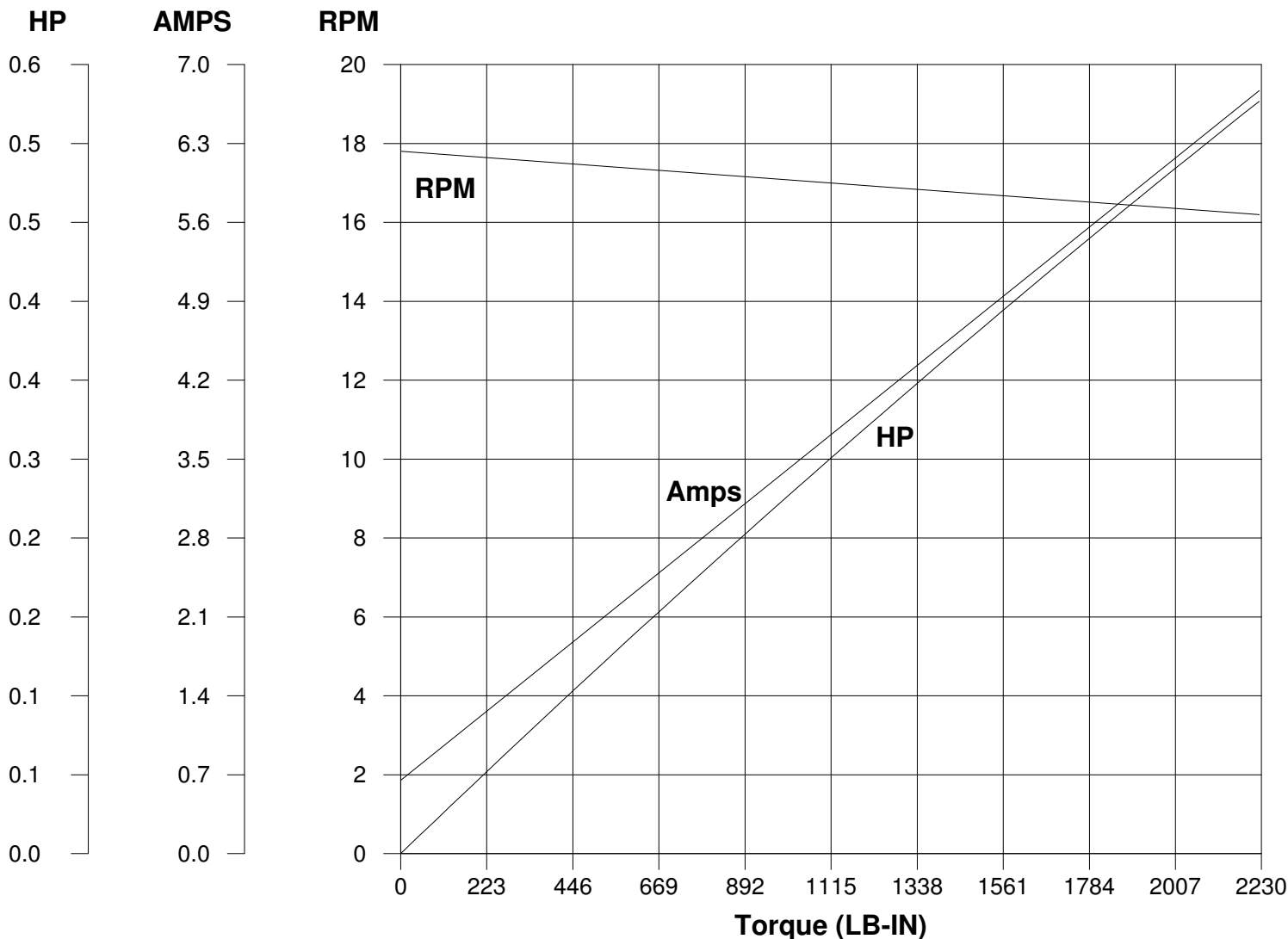
				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES			DRAWN TJF 11/15/97	
				DEC.	INCHES				CHK	
				.X	±.1				APPD POW 11/15/97	
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM PMDC MOTOR			SCALE 1=2	
D	UPDATED TO MAKE IT GENERIC, ECO-0163547	IPG 3/13/19		.XXX	±.005				REF	
01	REDRAWN ON CAD. REVISED NOTES.	SJB 9/20/2005		.XXXX	±.0005	MAT'L.			FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH			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			RFP		CAD FILE 00531901		SIZE	DRAWING NO.		REV.
			DIST				A	005319.01		E

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE

FOR

DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. C4D17FZ23Catalog No. 108707.00HP 0.500RPM 18DC Volts 90.0N.P. FLA 5.00F.F. 1.38Encl. TEFCType DFS.F. 1.00Max. Amb. 40.0 Deg CInsul. FFrame P1103-48Duty Cont

Ra 1.0300 Ohms
 La 10.04 mHenrys
 Ja 7.188 LB-IN²
 Ke 51.83 V/KRPM

Kt 4.381 LB-IN/AMP
 Imax 66.8 AMPS Allowed
 FL Torque 1112 LB-IN
 FL EFF 66.90 %

Winding W- D55284-1Prepared by V. BoehlenDate 11-07-2005