

PRODUCT INFORMATION PACKET



Model No: 108710.00
Catalog No: 108710.00
Parallel Shaft Gearmotor, 0.50 HP, 90 V, 60 RPM, 48Y Frame, TEFC



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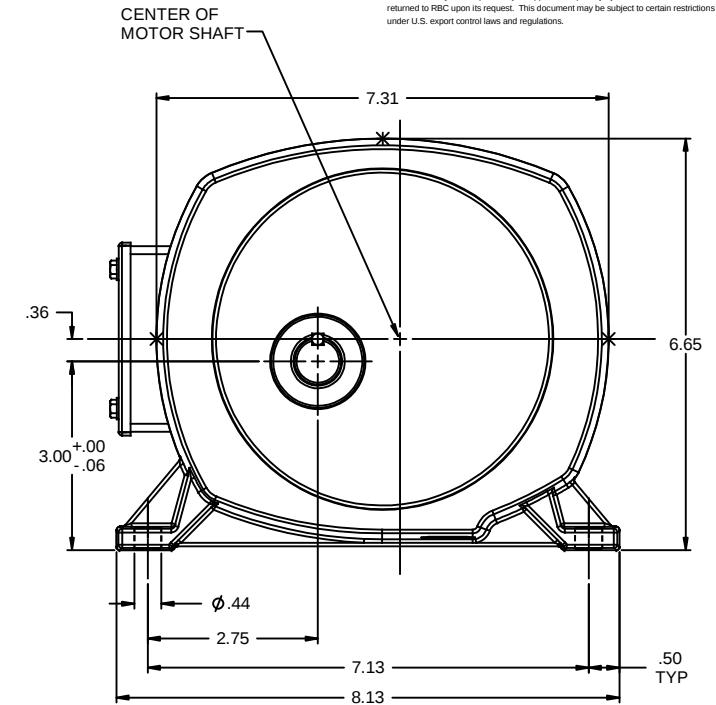
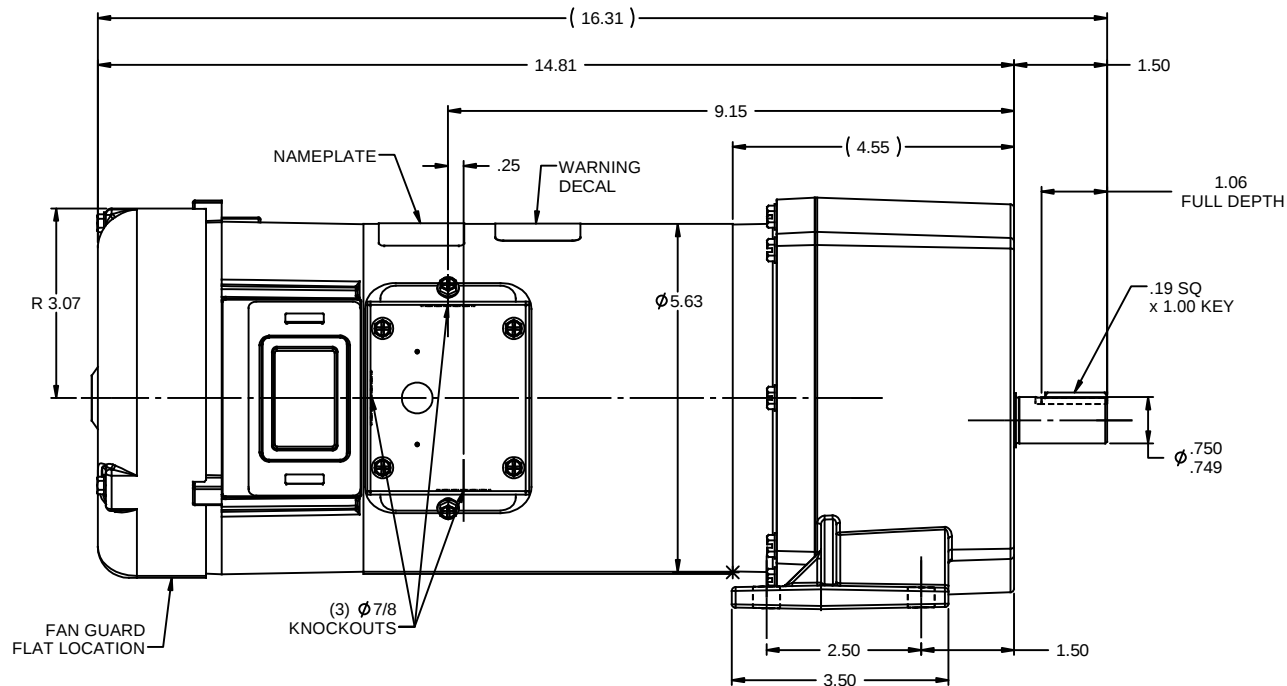
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Voltage	90 V	Current	5.0 A
Speed	60 rpm	Service Factor	1
Efficiency	72.1 %	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

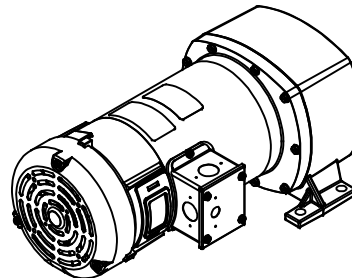
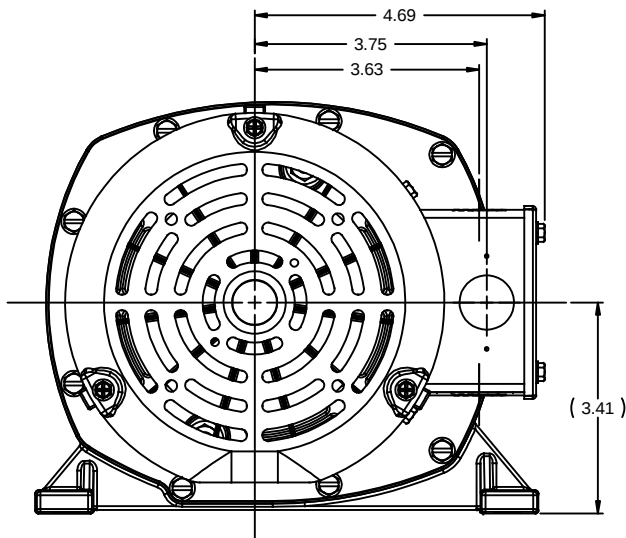
Rotation	Reversible	Mounting	Special
Shaft Type	Parallel	Overall Length	16.31 in
Frame Length	5.97 in	Shaft Diameter	0.750 in
Shaft Extension	1.5 in	Torque	476 LB-IN
Outline Drawing	032031-108710	Connection Drawing	00531901

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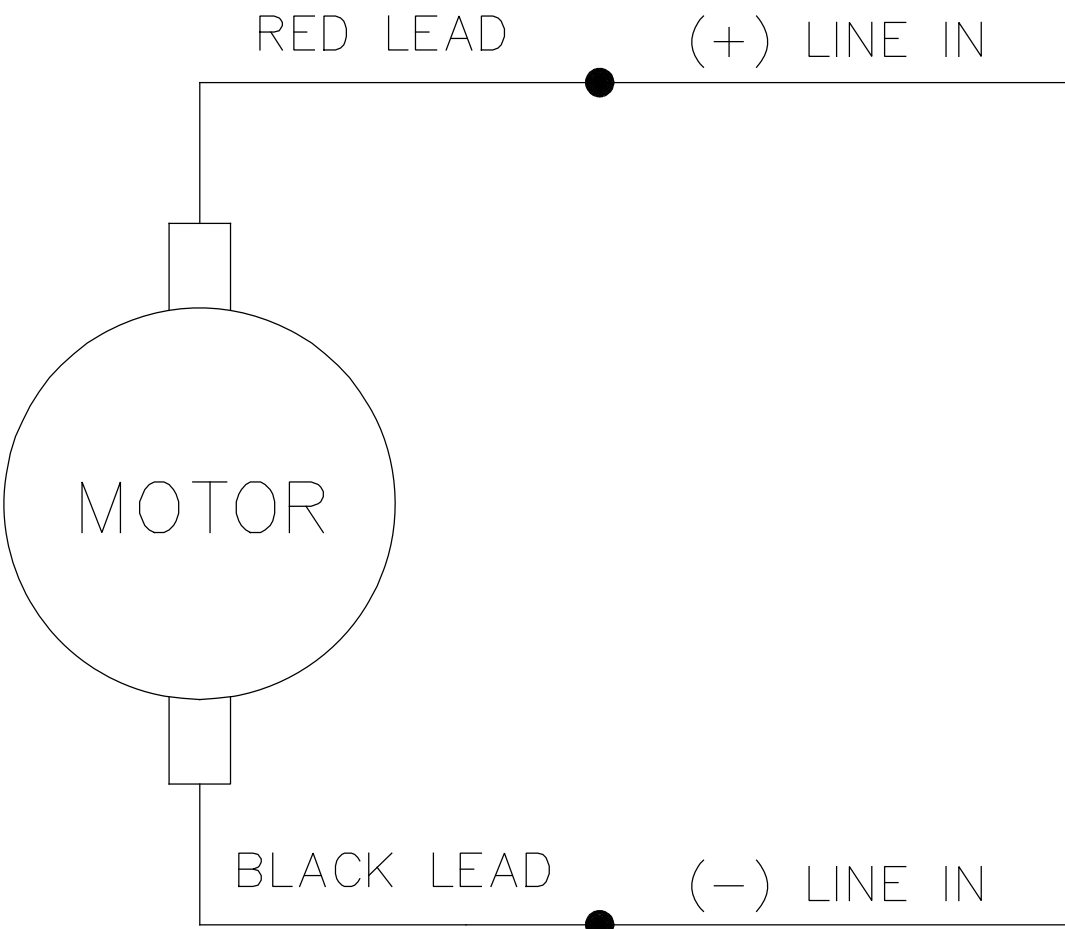
NOTES:
1) GEARBOX OIL: MOBIL-MOBIL GEAR 600XP-320

108712.00	90	1/2	13:1	135	210
108711.00	90	1/2	19:1	92	320
108710.00	90	1/2	29:1	60	476
108709.00	90	1/2	42:1	42	705
108708.00	90	1/2	53:1	33	822
108707.00	90	1/2	95:1	18	1112
CATALOG No.	VOLTS	INPUT HP	GEAR RATIO	RPM	F.L. TORQUE (LB-IN)

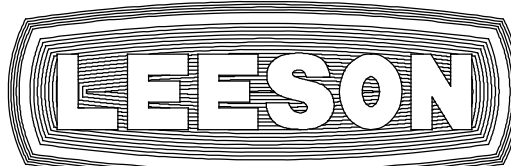


			TOLERANCES UNLESS SPECIFIED:		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN IPG 6/2/10	
			DEC	INCHES		CHK	PG 6/2/10
			X	±.1		APPR	
			.XX	±.03		SCALE	1:2
			.XXX	±.005	TITLE OUTLINE 48 FRAME DC - P1100 GEARBOX	REF	031211
00 RELEASED: REF. 031211 & 031879			PG	XXX		FMF	108709.00
NO	REVISION	BY & DATE	CHK	ANG	FINISH	PAGE OF	
THIRD ANGLE PROJECTION			RFP	PREV	SIZE	DRAWING NO	REV
			NETWORK FILE NAME 032031			B	032031
							00

005319.01



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

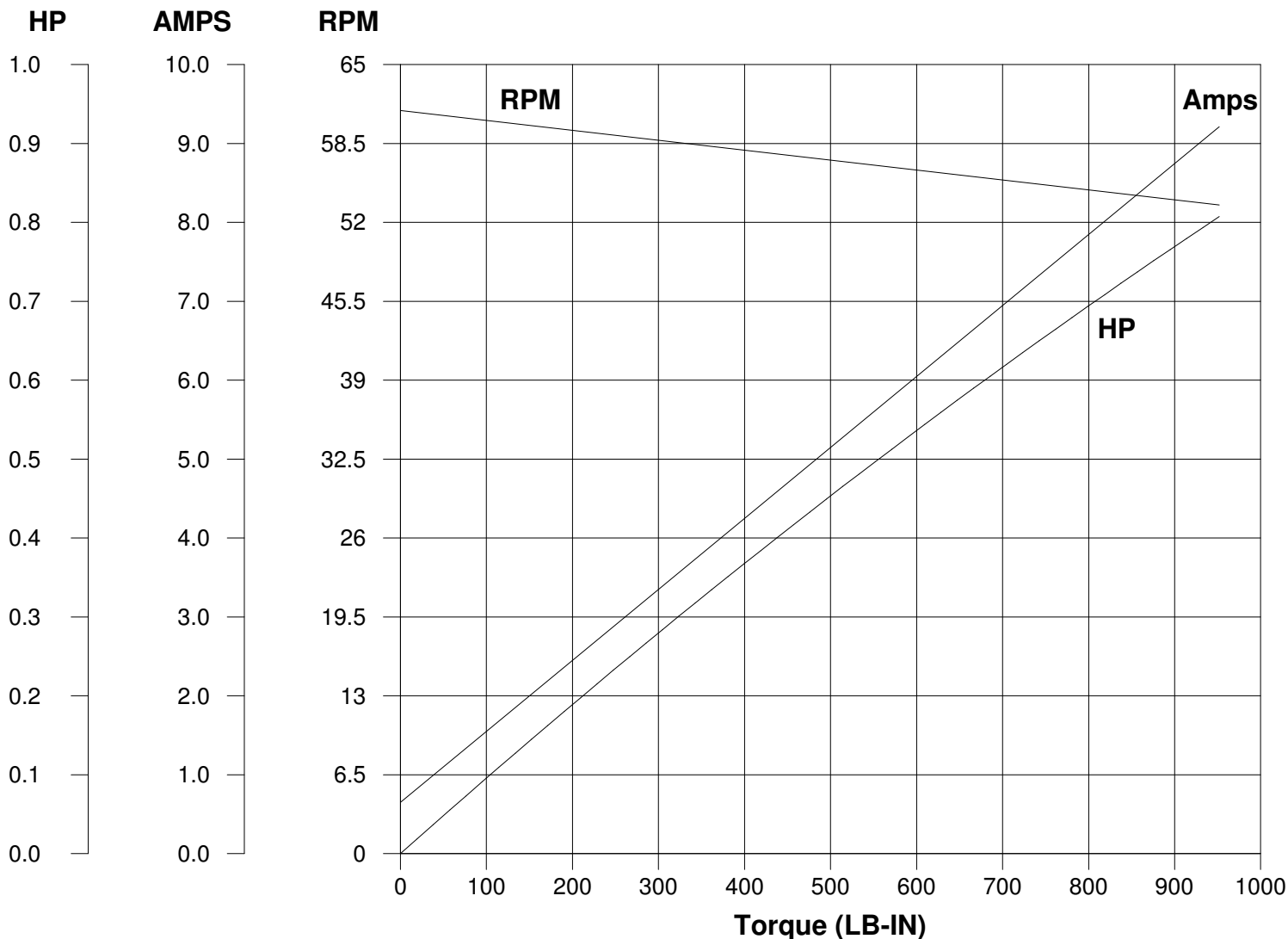
				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN TJF 11/15/97				
				DEC.	INCHES		CHK				
				.X	±.1		APPD POW 11/15/97				
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM PMDC MOTOR			SCALE 1=2		
D	UPDATED TO MAKE IT GENERIC, ECO-0163547	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. C4D17FZ26Catalog No. 108710.00HP 0.500RPM 60DC Volts 90.0N.P. FLA 5.00F.F. 1.38Encl TEFCType DFS.F. 1.00Max. Amb. 40.0 Deg CInsul. FFrame P1102-48Duty 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 476.0 LB-IN
 FL EFF 72.80 %

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