

PRODUCT INFORMATION PACKET



Model No: A099899.00
Catalog No: A099899.00
1/4HP..1625RPM.48Y.TEAO.115/230V.1PH.60HZ.CONT.40C.1.0SF.RIGID BASE.....FAN.....
Agricultural Motors



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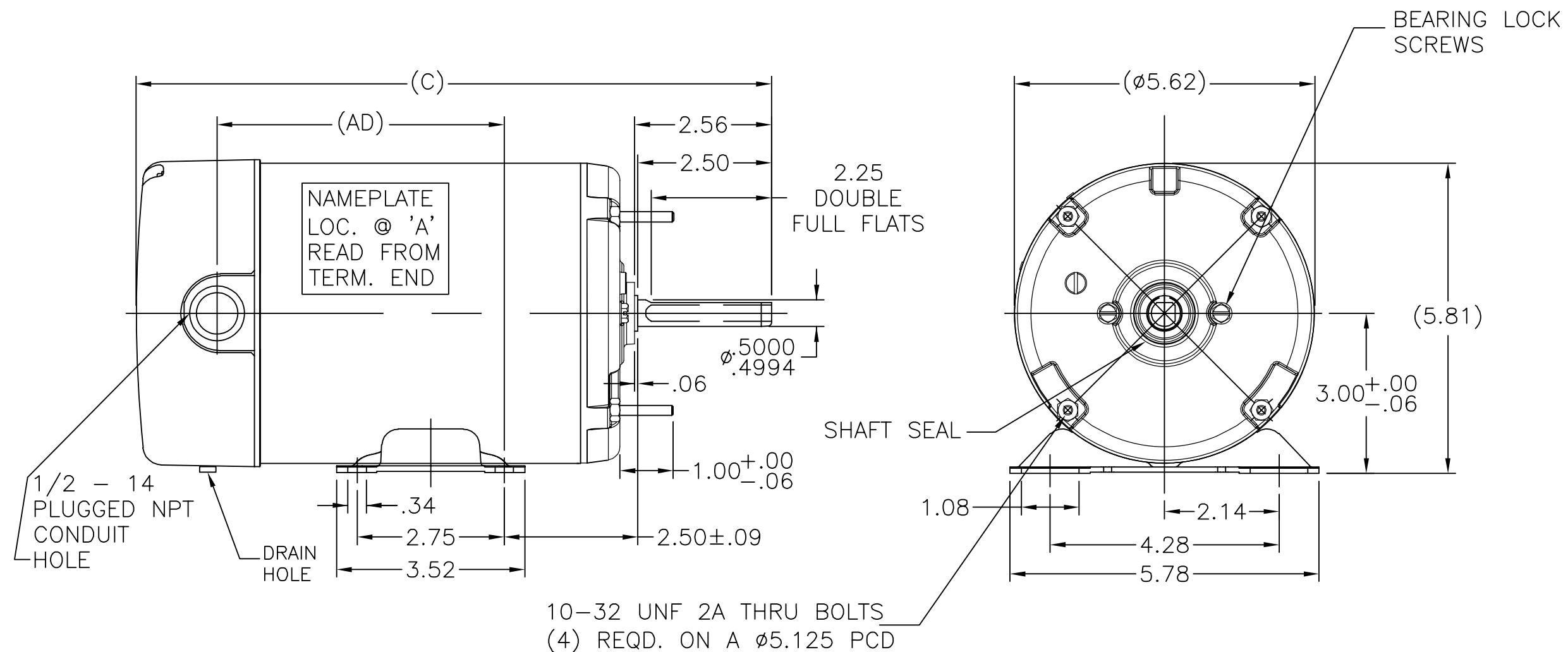
Nameplate Specifications

Output HP	0.25 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	115/230 V
Current	2.8/1.4 A	Speed	1625 rpm
Service Factor	1	Phase	1
Efficiency	68 %	Power Factor	87.5
Duty	Continuous	Insulation Class	F
Design Code	N	KVA Code	F
Frame	48Y	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic Lock Rotor Only	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	10.64 in
Frame Length	4.75 in	Shaft Diameter	0.625 in
Shaft Extension	2.56 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	SS404060-475	Connection Drawing	005109-15

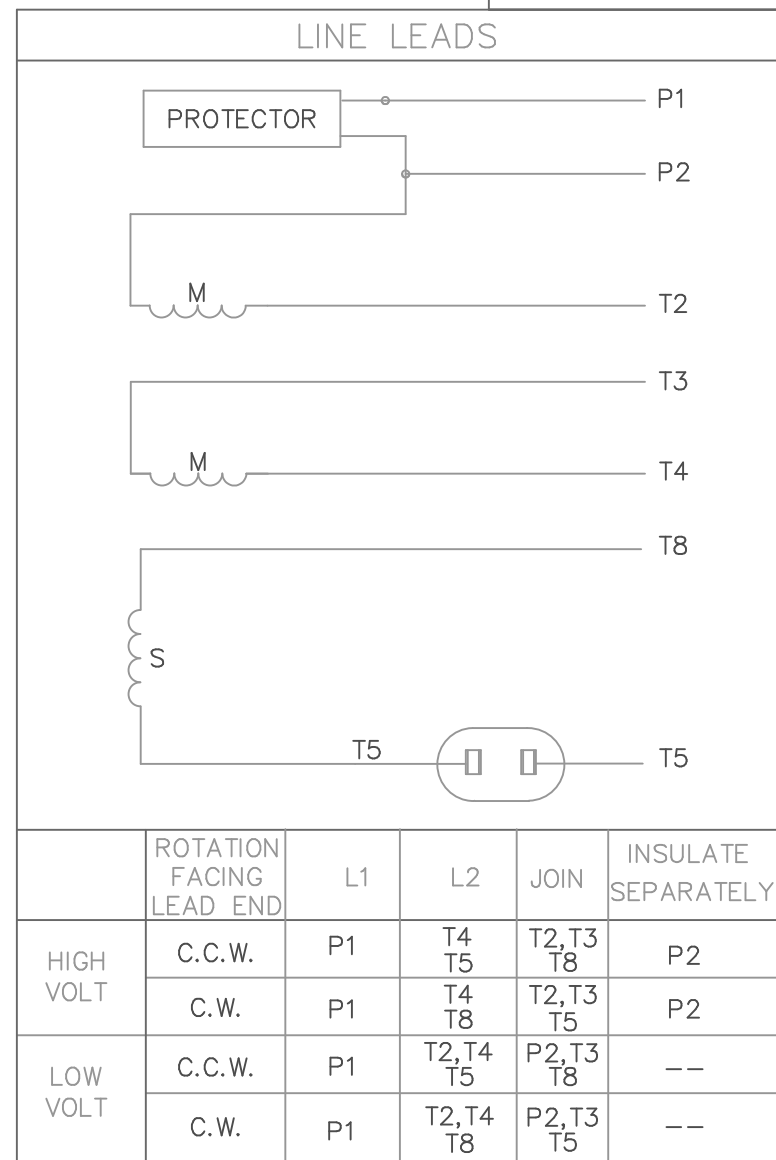
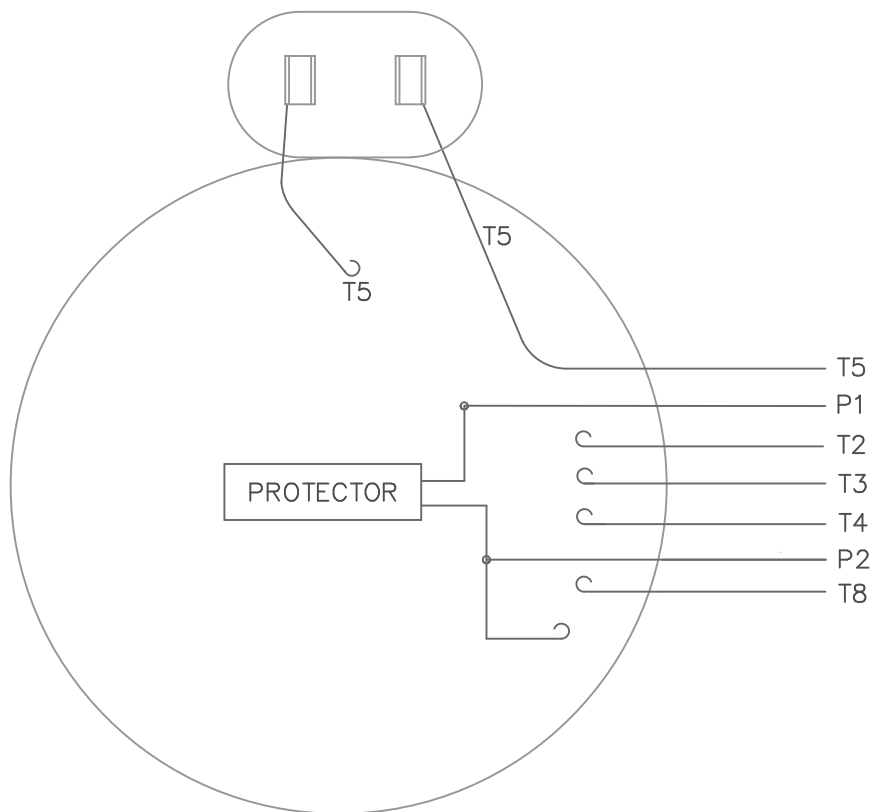
SS404060



DASH NO.	"C"	"AD"
475	10.64	4.12
500	10.89	4.37
525	11.14	4.62
550	11.39	4.87
600	11.89	5.37

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KR 02/05/2014			
				DEC.	INCHES		CHK VS 02/05/2014			
				.X	±.1		APPD			
				.XX	±.03		SCALE 1:1			
				.XXX	±.005	TITLE OUTLINE – PSC – TENV ENCLOSURE 48Z–TWO COMP.–RIGID	REF OLPR132173			
A	UPDATED NAMEPLATE LOCATION PER ECO–0062305	PST 12/5/14	PI	.XXXX	±.0005		FMF A099899.00			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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 SS404060		SIZE A	DRAWING NO. SS404060	PAGE OF	REV. A
			DIST WP							

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



			TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES			DRAWN	PG 3/4/02		
			DEC.	INCHES		CHK						
			.X	±.1		APPD						
			.XX	±.01		TITLE	EXTERNAL WIRING DIAGRAM TYPE "P" W/PROTECTOR			SCALE	1=1	
			.XXX	±.005						REF	005109-01	
			.XXXX	±.0005	FMF					102675		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH			PREV			
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			DIST						A	005109-15		



1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-005109-15
OUTLINE: A-SS404060-475
WINDING #: PE484274 3

CATALOG #: A099899.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/4	0.19	1800	1625	48Y	TEAO	F	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	2.8/1.4	ACROSS THE LINE	CONTINUOUS	F3	1.0	40

FULL LOAD EFF:	68	3/4 LOAD EFF:	62.9	1/2 LOAD EFF:	53	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	87.5	3/4 LOAD PF:	84	1/2 LOAD PF:	78.5	62	PSC 1 SPEED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
12.25 OZ-FT	12.6 / 6.3	8.5 OZ-FT 0 %	31.9 OZ-FT 0 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 LB-FT^2	- LB-FT^2	- SEC.	0	19 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
6203	6203						
		POLYREX EM	SGL SPL EXT	SPECIAL	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUT LCK RTR ONLY	NONE	NONE	NONE	FALSE	NONE VOLTS

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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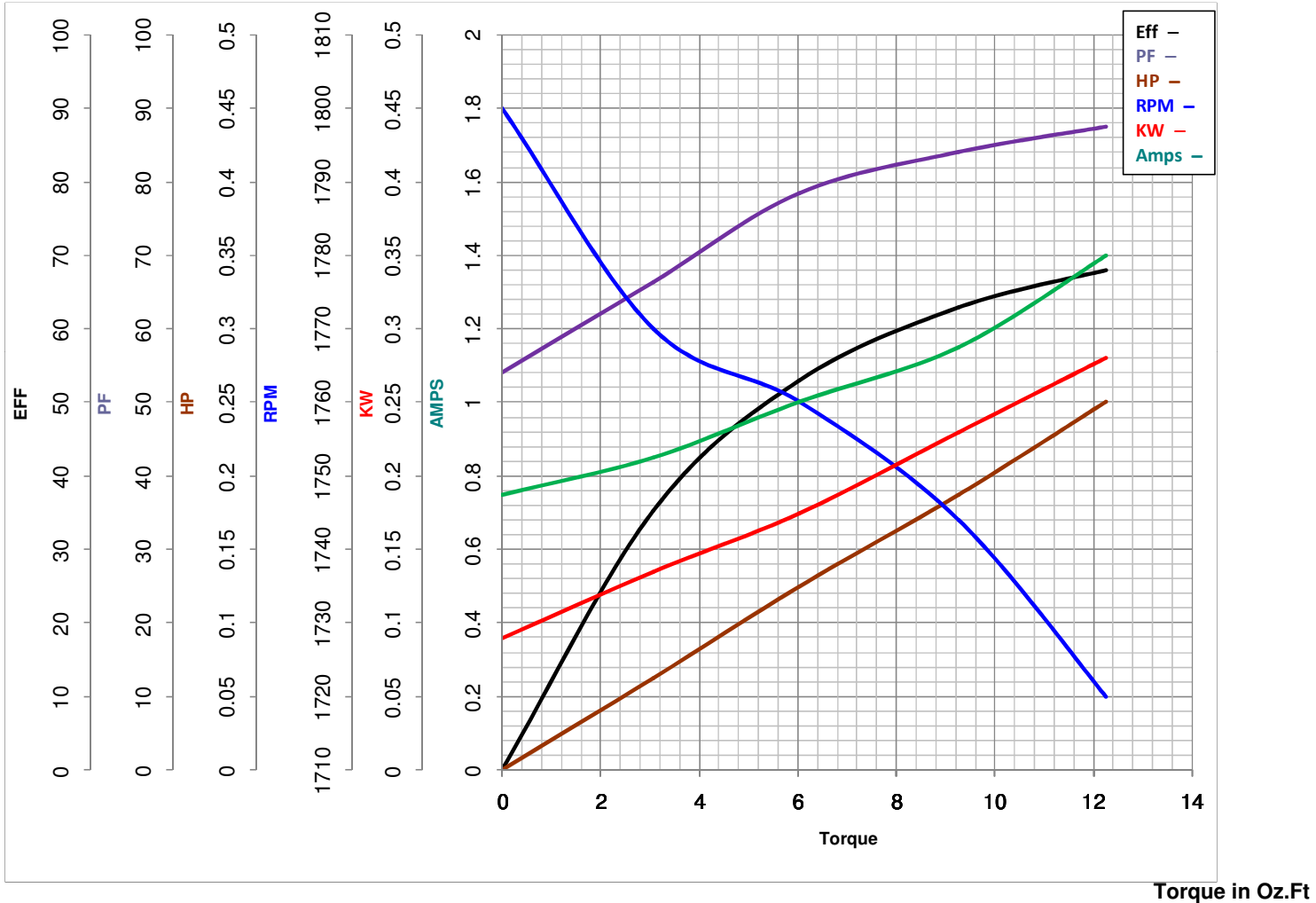
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LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at 230
60
0.25

Volts
HZ
HP

HP 0.25VOLTS 115/230PHASE 1HZ 60RPM 1625

FL TORQUE 12.25 Oz.Ft
BD TORQUE 31.9 Oz.Ft
LR TORQUE 8.5 Oz.Ft

WINDING PE484274-3

FL AMPS 2.8/1.4
PU TORQUE 7.5 Oz.Ft
LR AMPS 6.3

Date 4/12/2018