

PRODUCT INFORMATION PACKET



Model No: A009644.00
Catalog No: A009644.00
Fan and Blower Motor, 1 HP, 1 Ph, 60 Hz, 230 V, 900 RPM, 56CZ Frame, TEAO



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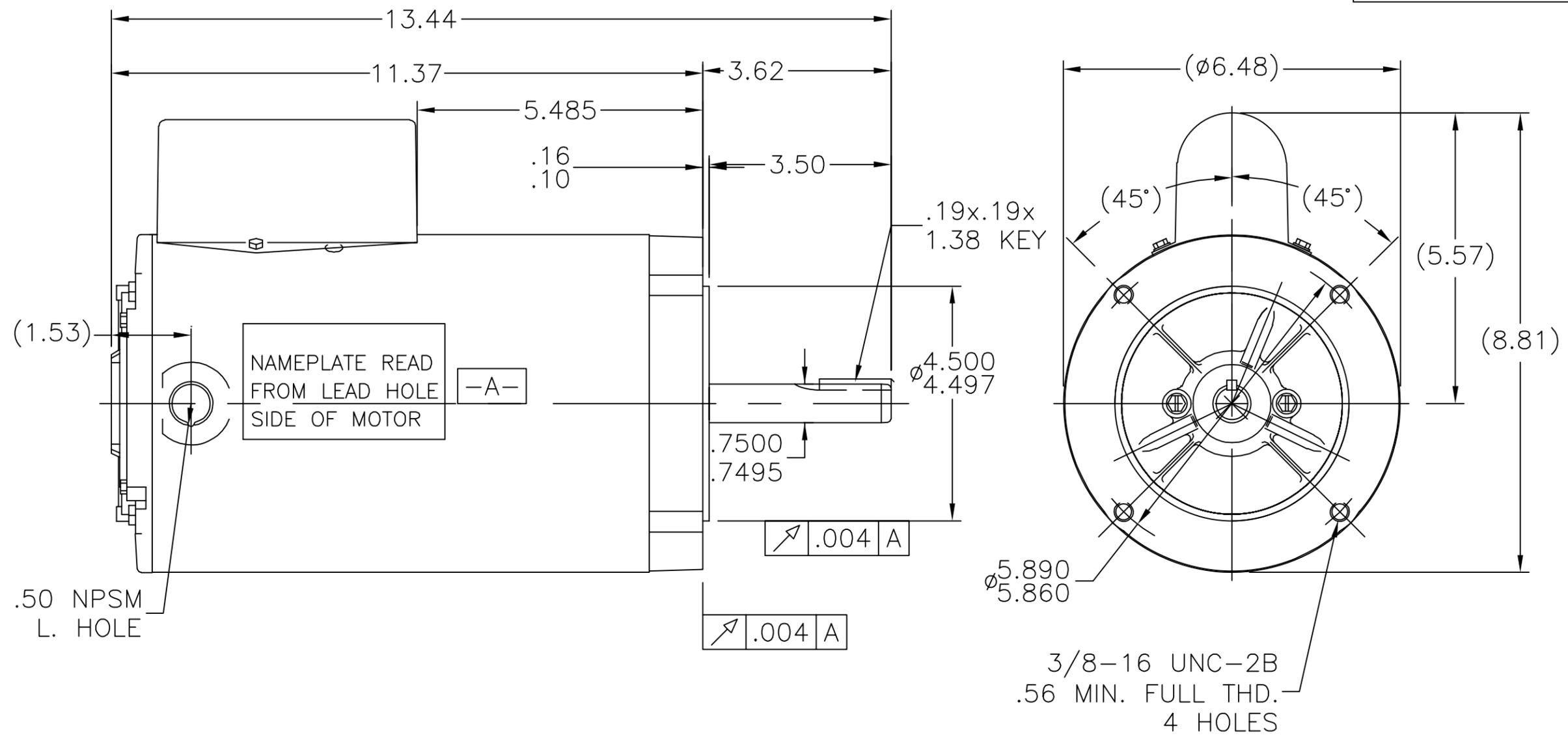
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230 V
Current	5.2 A	Speed	825 rpm
Service Factor	1.1	Phase	1
Efficiency	64 %	Power Factor	98
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	A
Frame	56CZ	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic	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	8	Rotation	Fixed Counterclockwise
Resistance Main	3.8 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	13.44 in
Frame Length	9.56 in	Shaft Diameter	0.750 in
Shaft Extension	3.5 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	108189-956	Connection Drawing	102009-10LE

108189

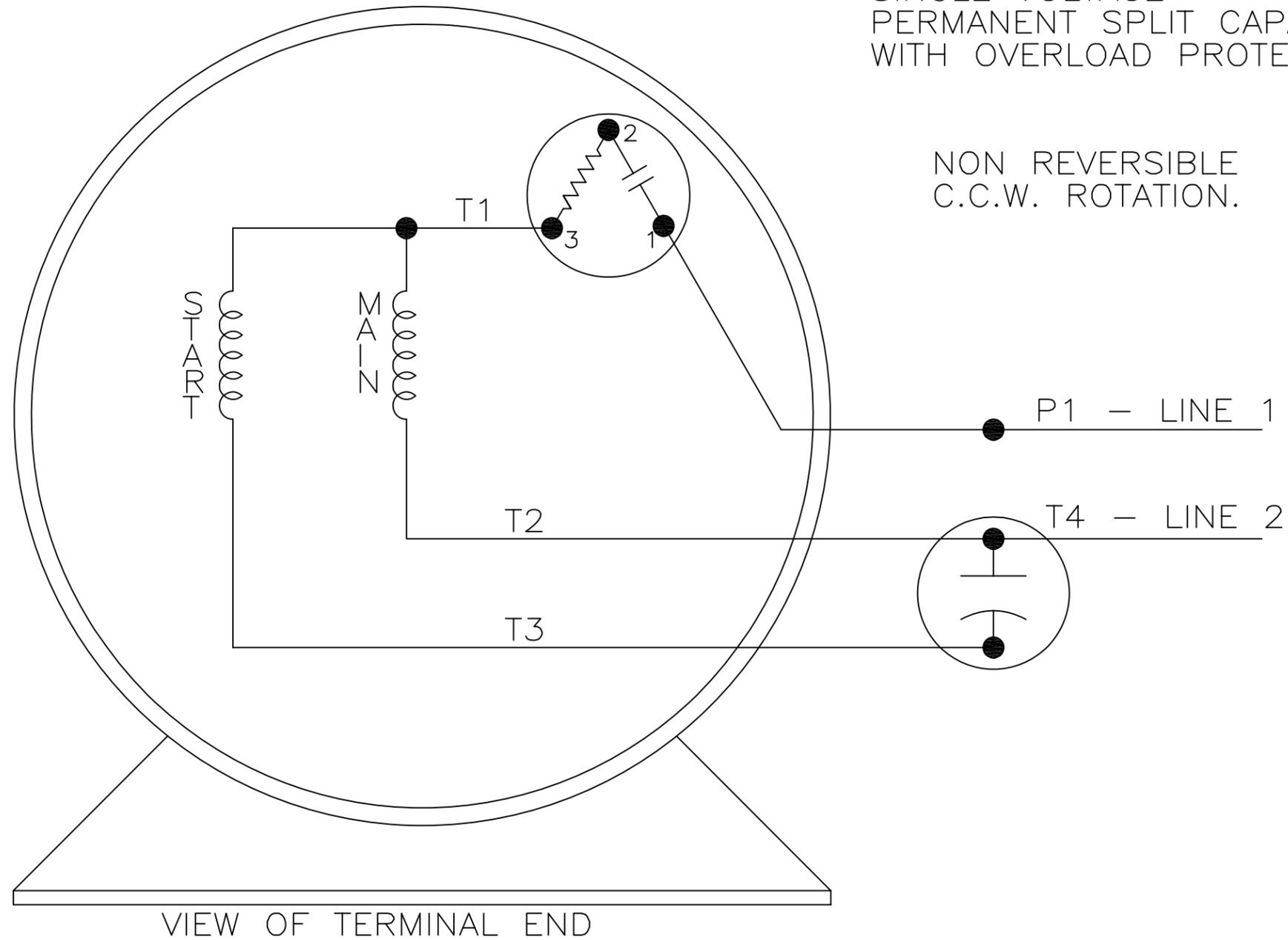


		TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN PST 05/16/2014		
		DEC.	INCHES		CHK	VS 04/25/2014	
		.X	±.1		APPD		
		.XX	±.03		SCALE	1:1	
		.XXX	±.005		REF	105879	
		.XXXX	±.0005	FMF	A009644.00		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV
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			DIST	WP		A	108189

102009-10LE

SINGLE VOLTAGE
PERMANENT SPLIT CAPACITOR
WITH OVERLOAD PROTECTOR.

NON REVERSIBLE
C.C.W. ROTATION.



VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KR 04/28/2014		
			DEC.	INCHES		CHK VS 04/28/2014		
			.X	±.1		APPD		
			.XX	±.03		SCALE NTS		
			.XXX	±.005		REF 102009-10		
			.XXXX	±.0005	MAT'L.		FMF A009537.00	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV	
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			DIST WP			A	102009-10LE	01



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-102009-10LE
OUTLINE: B-108189-956
WINDING #: ZP8102 2

CATALOG #: A009644.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	900	825	56CZ	TEAO	A	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	5.2	ACROSS THE LINE	CONTINUOUS	B3	1.1	40

FULL LOAD EFF:	64	3/4 LOAD EFF:	57.5	1/2 LOAD EFF:	45.7	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	98	3/4 LOAD PF:	94.2	1/2 LOAD PF:	88.9	0		PSC 1 SPEED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
100 OZ-FT	10.7	43 OZ-FT 43 %	133 OZ-FT 133 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	0 SEC.	0	47 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LIGHT

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

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

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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



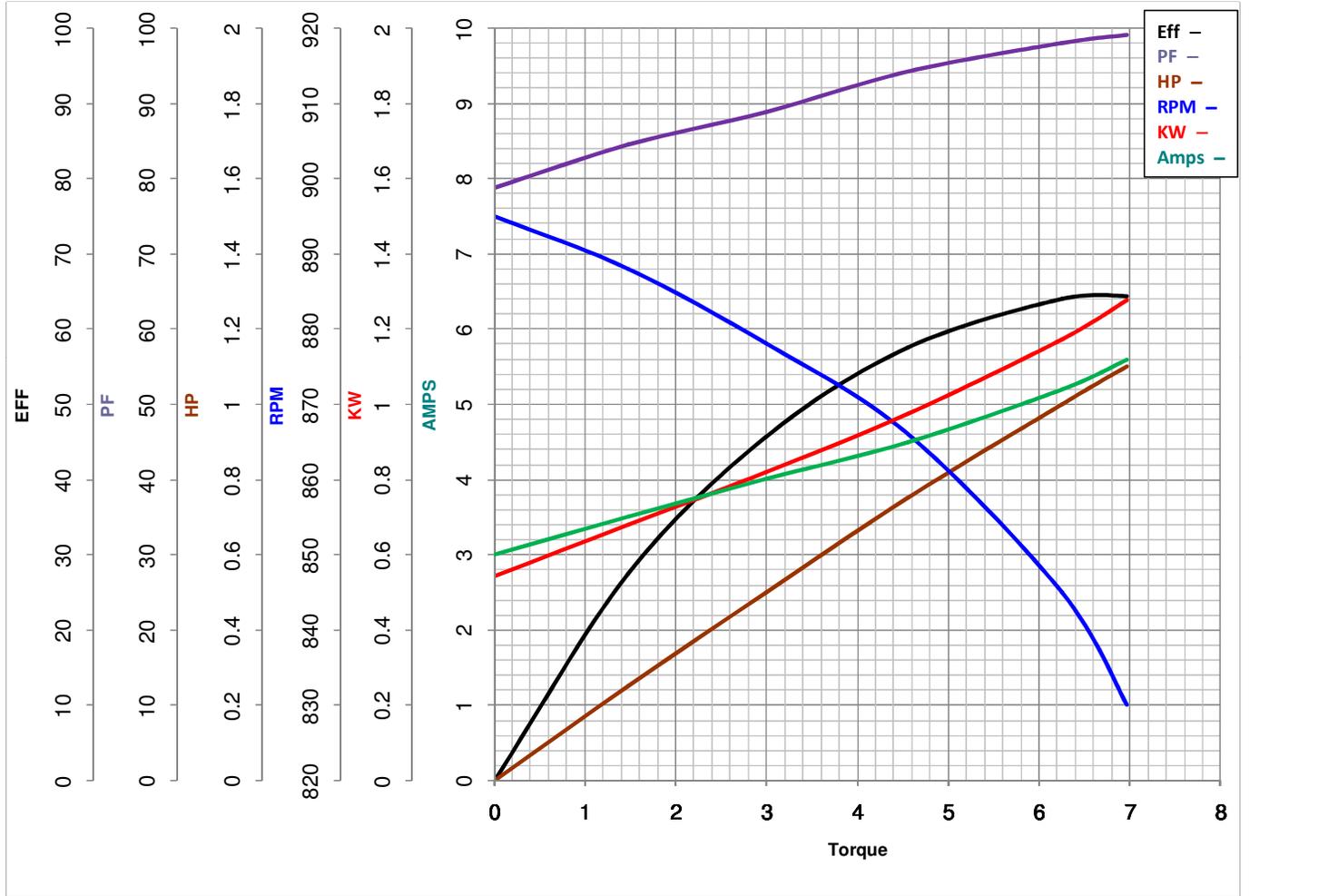
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No A009644.00

Curve at 230 Volts HP 1.00 PHASE 1
60 HZ
1 HP VOLTS 230

Catalog No A009644.00

HZ 60 RPM 825



Torque in Lb.Ft

FL TORQUE 6.25 Lb.Ft
 BD TORQUE 8.3 Lb.Ft
 LR TORQUE 2.688 Lb.Ft

FL AMPS 5.2
 PU TORQUE 2.6 Lb.Ft
 LR AMPS 10.7

WINDING ZP8102-2

Date 3/27/2018