

PRODUCT INFORMATION PACKET



Model No: 103720.00

Catalog No: 103720.00

Pedestal Fan Motor, 0.50 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 48YZ Frame, TEAO



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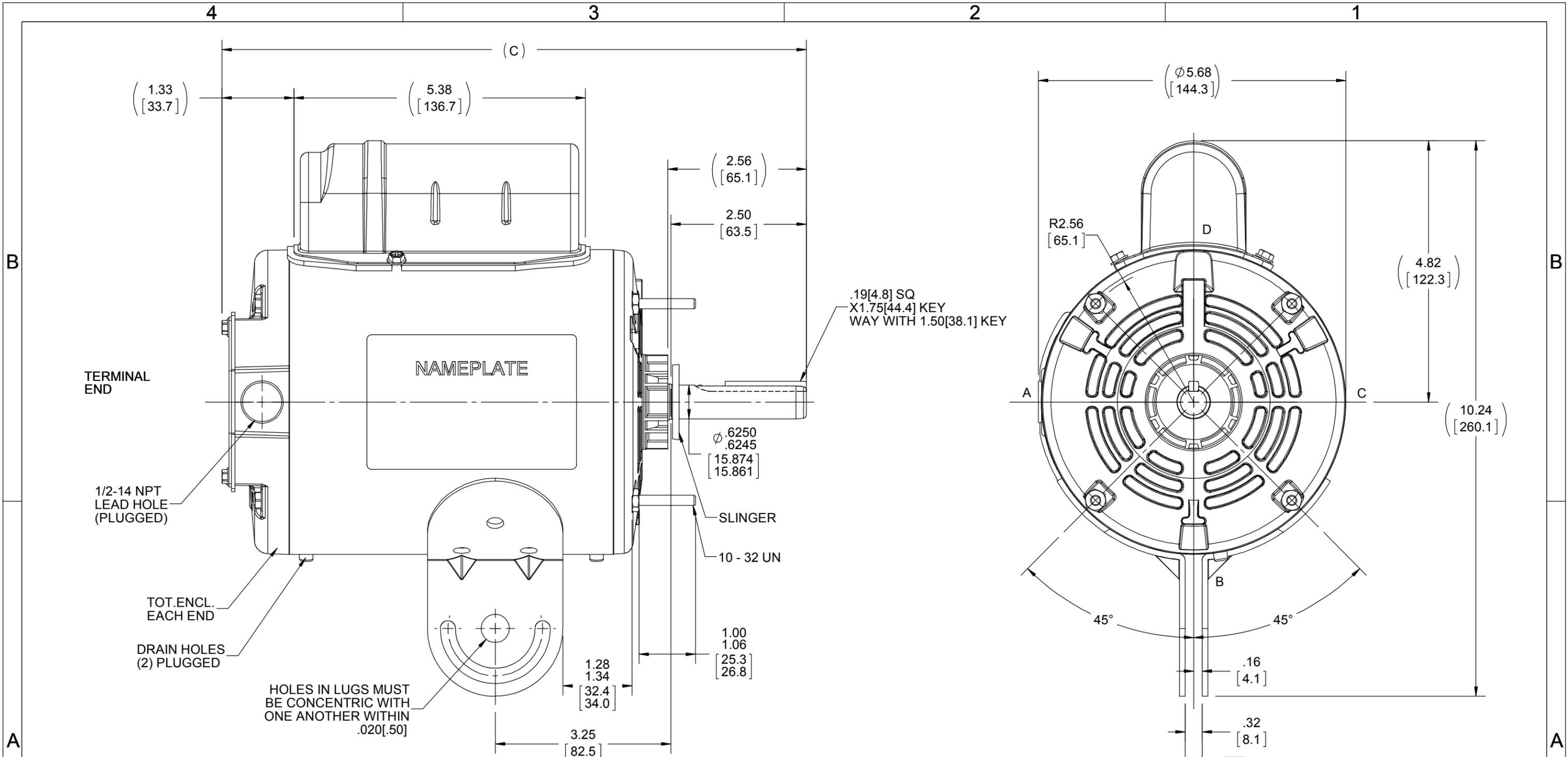


Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115/230 V
Current	5.4/2.7 A	Speed	1625 rpm
Service Factor	1	Phase	1
Efficiency	72 %	Power Factor	93.5
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	B
Frame	48YZ	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	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Round - Swing Arm
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	11.06 in
Frame Length	6.25 in	Shaft Diameter	0.625 in
Shaft Extension	2.56 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	EE9057BA-LE	Outline Drawing	SS403995LE-625



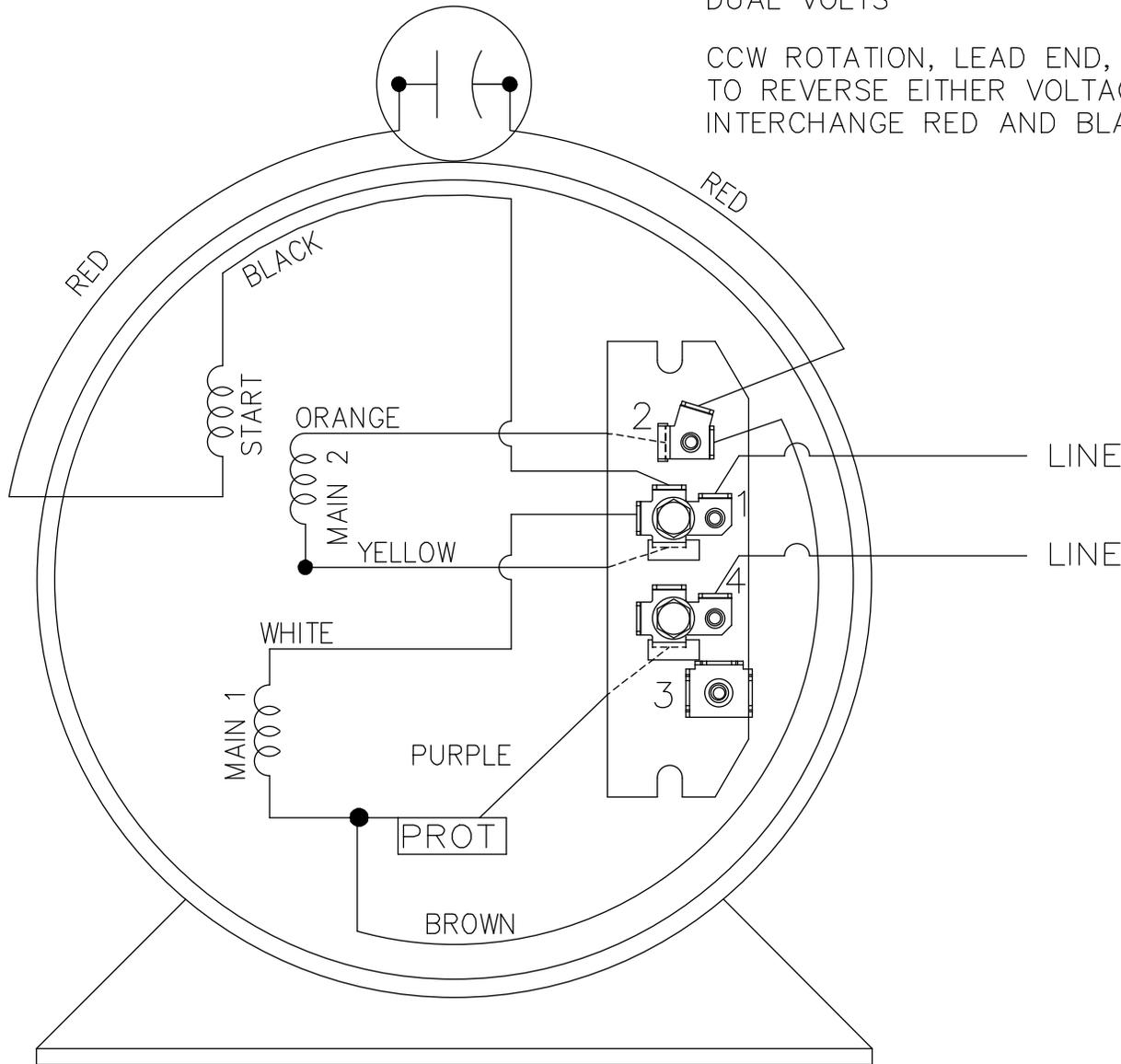
NOTE:-
 1) TOTALLY ENCLOSED MOTOR.
 2) FULLY GASKETED.
 3) NAMEPLATE LOC. @ 'A' READ FROM TERM. END.

DASH	C
525	10.12[257.04]
550	10.37[263.39]
600	10.87[276.09]
625	11.12[282.44]

DRAWING REVISION D	REVISION BY I. RAMDAS	REV DATE/© DATE 12/20/2018	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±7° 30" .XX ±0.02 [±0.5] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200/ INCH √ mm 5.1 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY SVL	REGAL ® Regal Beloit America, Inc.
ECO ECO-0165863	APPROVED BY D SURYAWANSHI	DATE 04/22/2019		DATE 1-11-2012	
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				DATE 1-11-2012	MATERIAL SS403994LE
				THIRD ANGLE PROJECTION	PROCESS/FINISH
				SIZE B	DRAWING NUMBER SS403995LE
					SHEET 1 OF 1

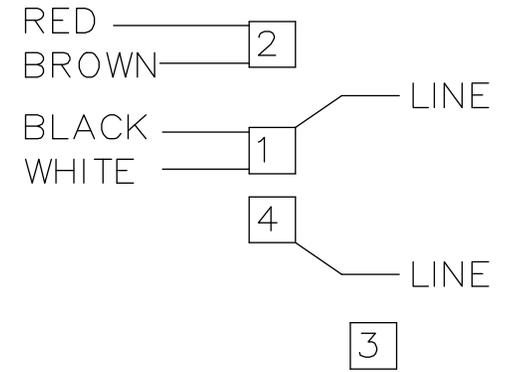
DUAL VOLTS

CCW ROTATION, LEAD END, SHOWN
TO REVERSE EITHER VOLTAGE
INTERCHANGE RED AND BLACK LEADS.

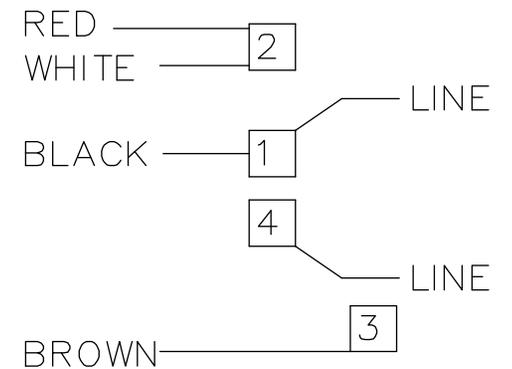


VIEW OF TERMINAL END

LOW VOLTAGE



HIGH VOLTAGE



				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN PVR 11/16/12			
				DEC.	INCHES		CHK RD 11/16/12			
				.X	± -		APPD			
				.XX	± -		SCALE 1=1			
				.XXX	± -		REF EE9057T			
				.XXXX	± -	MAT'L.				
				FINISH		FMM MU110993				
NO.	REVISION	BY & DATE	CHK	ANG	± -	PREV PR121931				
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 EE9057BA-LE		SIZE A	DRAWING NO. PAGE OF EE9057BA-LE	REV.
				DIST	WP					



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE9057BA-LE

CATALOG #: 103720.00

OUTLINE: A-SS403995LE-625

MOUNTING: F1 ONLY

WINDING #: PE484278 3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	1800	1625	48Y	TEAO	B	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	5.4/2.7	ACROSS THE LINE	CONTINUOUS	B3	1.0	40

FULL LOAD EFF:	72	3/4 LOAD EFF:	70	1/2 LOAD EFF:	62	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	93.5	3/4 LOAD PF:	96.1	1/2 LOAD PF:	93.2	68		PSC 1 SPEED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B,D. TORQUE	F.L. RISE°C
25.7 OZ-FT	15.5 / 7.7	17.8 OZ-FT 69 %	46.1 OZ-FT 179 %	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	- LB-FT^2	0 LB-FT^2	0 SEC.	0	25 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	ROUND-SWING ARM	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL 6203	BALL 6203	MULTEMP SRL	SGL SPL EXT	0.625 x 2.50 IN SEK	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

*
N
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E

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

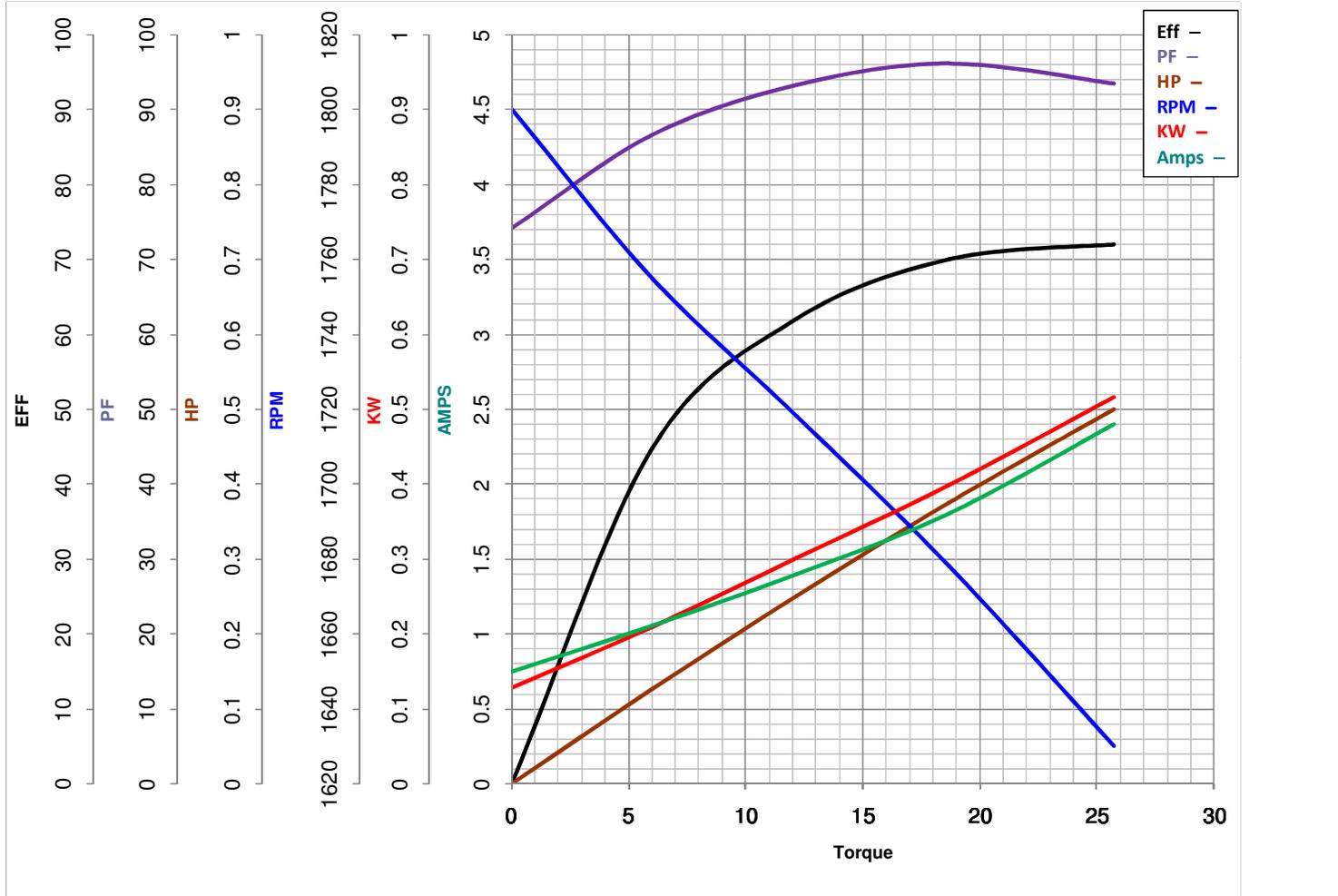


LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 103720.00

Catalog No 103720.00

Curve at 230 Volts HP 0.50 PHASE 1
60 HZ
0.5 HP VOLTS 115/230
 HZ 60 RPM 1625



FL TORQUE	<u>25.7</u>	Oz.Ft	FL AMPS	<u>5.4/2.7</u>	
BD TORQUE	<u>46.1</u>	Oz.Ft	PU TORQUE	<u>16.4</u>	Oz.Ft
LR TORQUE	<u>17.8</u>	Oz.Ft	LR AMPS	<u>7.74</u>	
WINDING	PE484278-3		Date	<u>5/18/2018</u>	