

# PRODUCT INFORMATION PACKET



Model No: 101120.00  
Catalog No: 101120.00  
Auger Drive Motor, 0.50 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 48Y Frame, TEFC

Operational at 115/208-230 V @60HZ



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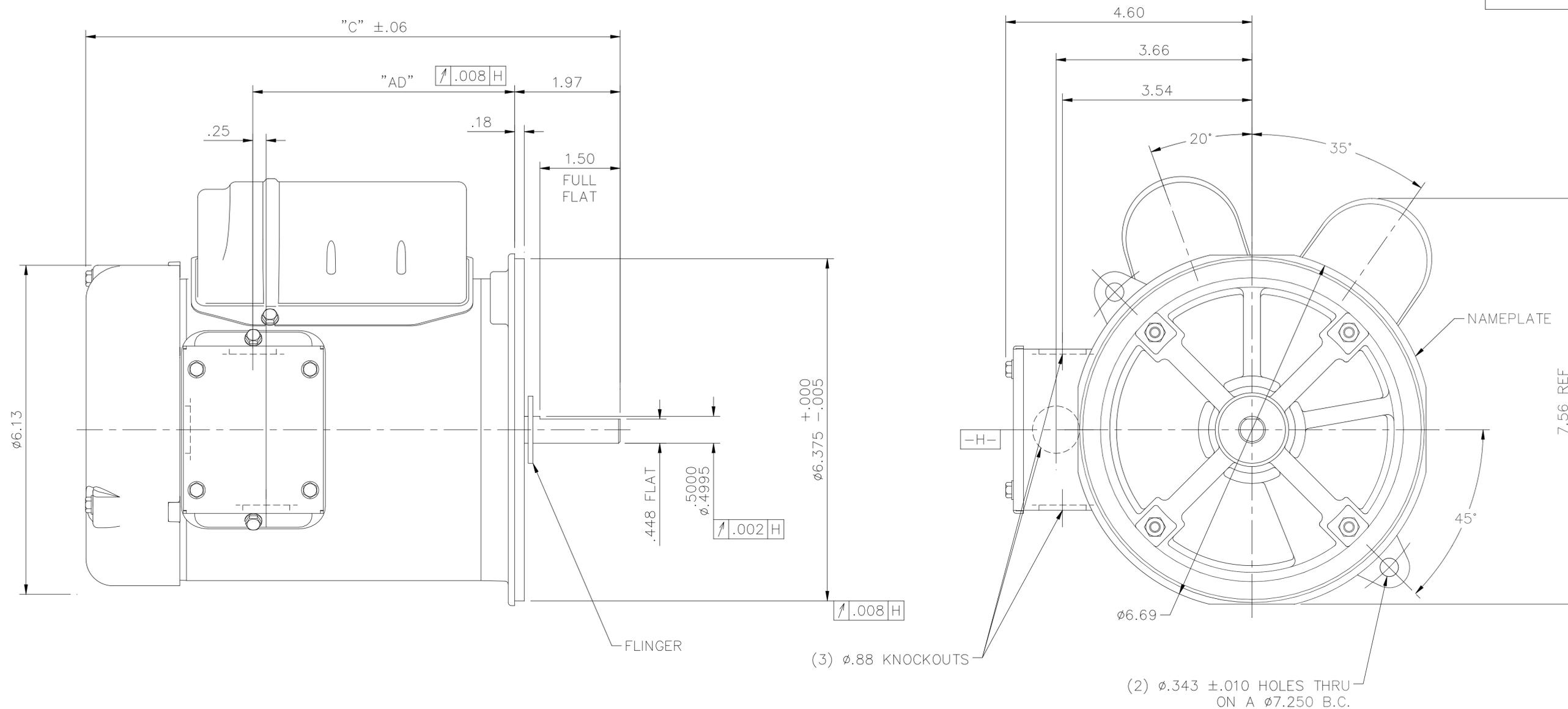


**Nameplate Specifications**

Phase	1	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.15
Frame	48Y	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	66 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	8.0/4.0 A	Power Factor	61
Duty	Continuous	Insulation Class	F
Design Code	O	KVA Code	L
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized ( Not Protector)	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

**Technical Specifications**

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	4.293 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 48	Overall Length	10.72 in
Frame Length	6.25 in	Shaft Diameter	0.500 in
Shaft Extension	1.5 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005258.04	Outline Drawing	031648-625



DASH NO.	"C"	"AD"
550	9.97	4.89
575	10.22	5.14
600	10.47	5.39
625	10.72	5.64
650	10.97	5.89
675	11.22	6.14
700	11.47	6.39
725	11.72	6.64
750	11.97	6.89

GASKETS THROUGHOUT

NO.	REVISION	BY & DATE	CHK	ANG	FINISH	SIZE	DRAWING NO.	REV.
07	BIG CAPACITOR LOCATION WAS AT 40°	PST 06/18/15	SM					
06	ADDED TOLERANCE TO .343 CORED HOLES	KMM 5/7/03						
05	ROTATED CAPACITORS 5° FOR CON. BOX CLEARANCE	KMM 2/6/03						
04	REVISED CALLOUT FOR GD&T	KMM 6/6/02						
03	REVERSED CAPACITOR LOCATIONS	PG 10/31/01						
K	ADDED LARGE CAP. CASE FOR NEW SWITCH	EL 3/31/2017						
			RFP		CAD FILE	B	031648	K
			DIST					

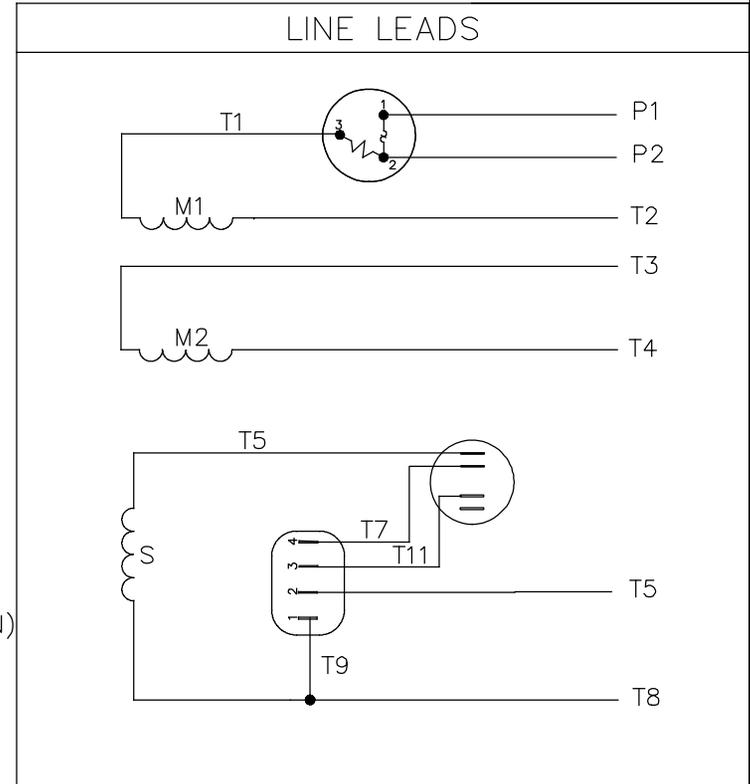
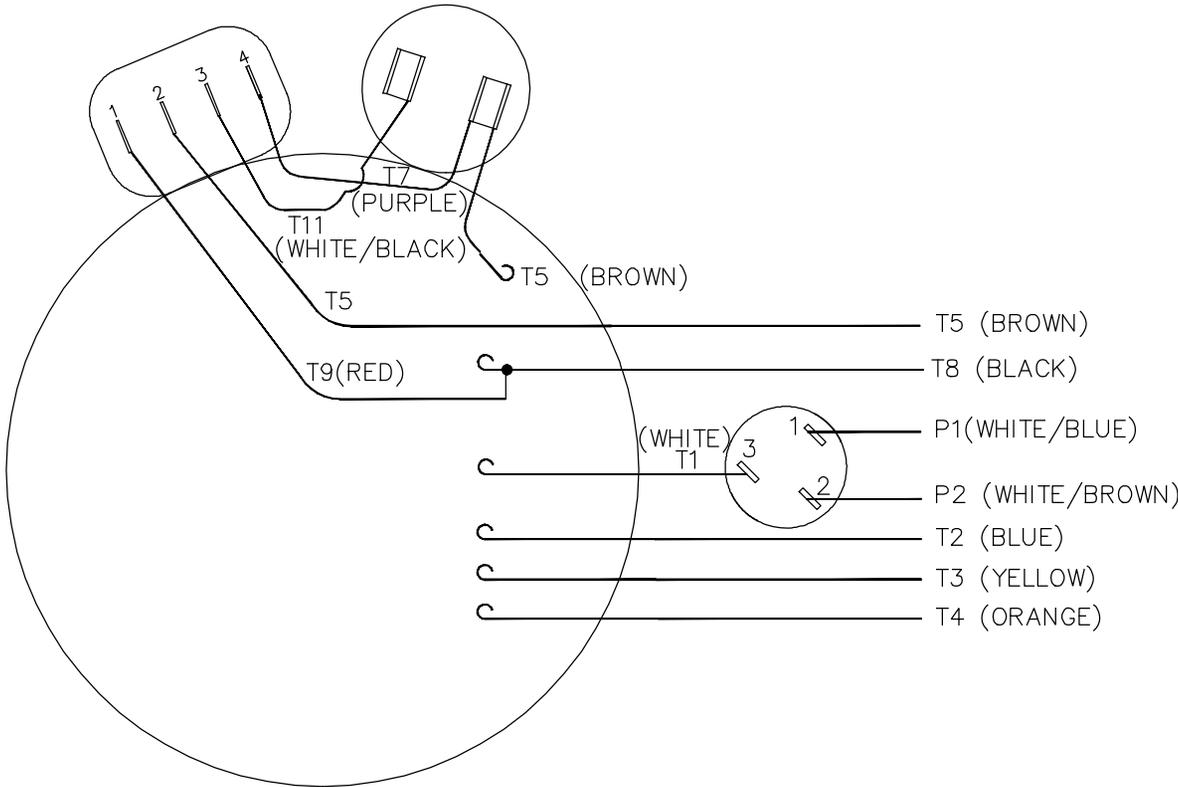
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**REGAL**™ Regal Beloit America, Inc.

TITLE OUTLINE - 48Y FRAME  
OIL BURNER FLANGE MOUNT - TEFC  
MAT'L. 1 PHASE

DRAWN PG 9/13/01  
CHK  
APPD  
SCALE 1=2  
REF 030720  
FMF 101120  
PREV

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.C.W.	P1	T4 T5	T2, T3 T8	P2
	C.W.	P1	T4 T8	T2, T3 T5	P2
LOW VOLT	C.C.W.	P1	T2, T4 T5	P2, T3 T8	----
	C.W.	P1	T2, T4 T8	P2, T3 T5	----

				TOLERANCES UNLESS OTHERWISE SPECIFIED				
				DEC.	INCHES	METRIC		
				.X	±.1	±2.5	DRAWN PG 10/16/01	
				.XX	±.01	±.25	APPR.	
1	ADDED COLORS PER ECO-0162098	KB 02/19/19	RAD	.XXX	±.005	±.127	R.F.P.	
NO.	REVISION	BY & DATE	CH'K'D.	.XXXX	±.0005	±.0127	SCALE 1=1	

<b>LEESON</b>		ELECTRIC CORPORATION	
DRAWN PG 10/16/01		TITLE	
APPR.		EXTERNAL WIRING DIAGRAM TYPE "C" W/PROTECTOR	
R.F.P.		MAT'L.	
SCALE 1=1		DECAL - 004011 SOLID STATE SWITCH	

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FRACTIONS	±1/64	REF.	PAGE 1	FINISH	STANDARD	REV.	1	DRAWING NO.	005258-04
ANGLES	±1/2'	FMF	101120						



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

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** 005258.04  
**OUTLINE:** 031648-625  
**WINDING #:** CE484212 FR 3 D

**CATALOG #:** 101120.00  
**MOUNTING:** F1 ONLY

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	1800	1725	48Y	TEFC	L	O

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	8/4.4-4	ACROSS THE LINE	CONTINUOUS	F3	1.15	40

FULL LOAD EFF:	66	3/4 LOAD EFF:	62.3	1/2 LOAD EFF:	54.9	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	61	3/4 LOAD PF:	52.7	1/2 LOAD PF:	42.5	62		CAP START IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24.09 OZ-FT	41.4 / 20.7	84.1 OZ-FT 350 %	64.2 OZ-FT 268 %	72.2

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	-1 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
OIL BURNER	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	RED - LEESON (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 48	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

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

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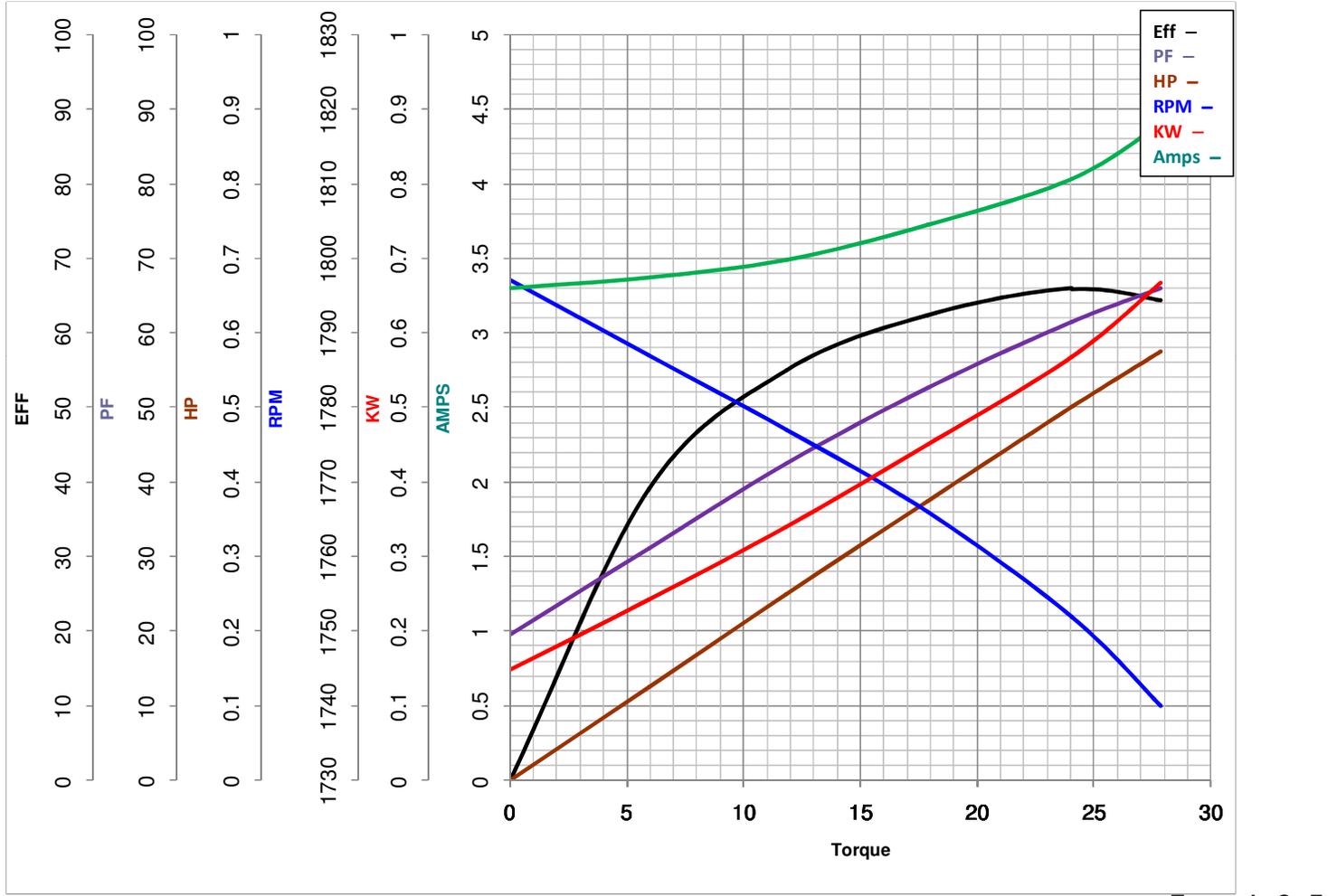
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 101120.00

Catalog No 101120.00

Curve at 230 Volts      HP 0.50      PHASE 1  
60 HZ  
0.5 HP      VOLTS 115/208-230

HZ 60      RPM 1725



FL TORQUE	<u>24.09</u> Oz.Ft	FL AMPS	<u>8/3.8-4</u>
BD TORQUE	<u>64.2</u> Oz.Ft	PU TORQUE	<u>54.1</u> Oz.Ft
LR TORQUE	<u>84.1</u> Oz.Ft	LR AMPS	<u>20.7</u>
WINDING	CE484212-3	Date	3/22/2018