

# PRODUCT INFORMATION PACKET



Model No: 117879.00  
Catalog No: 117879.00  
0.50 HP Agricultural Motor, 1 phase, 1800 RPM, 115/208-230 V, 56C Frame, TEFC  
Agricultural Motors



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.  
©2021 Regal Rexnord Corporation, All Rights Reserved. MC017097E





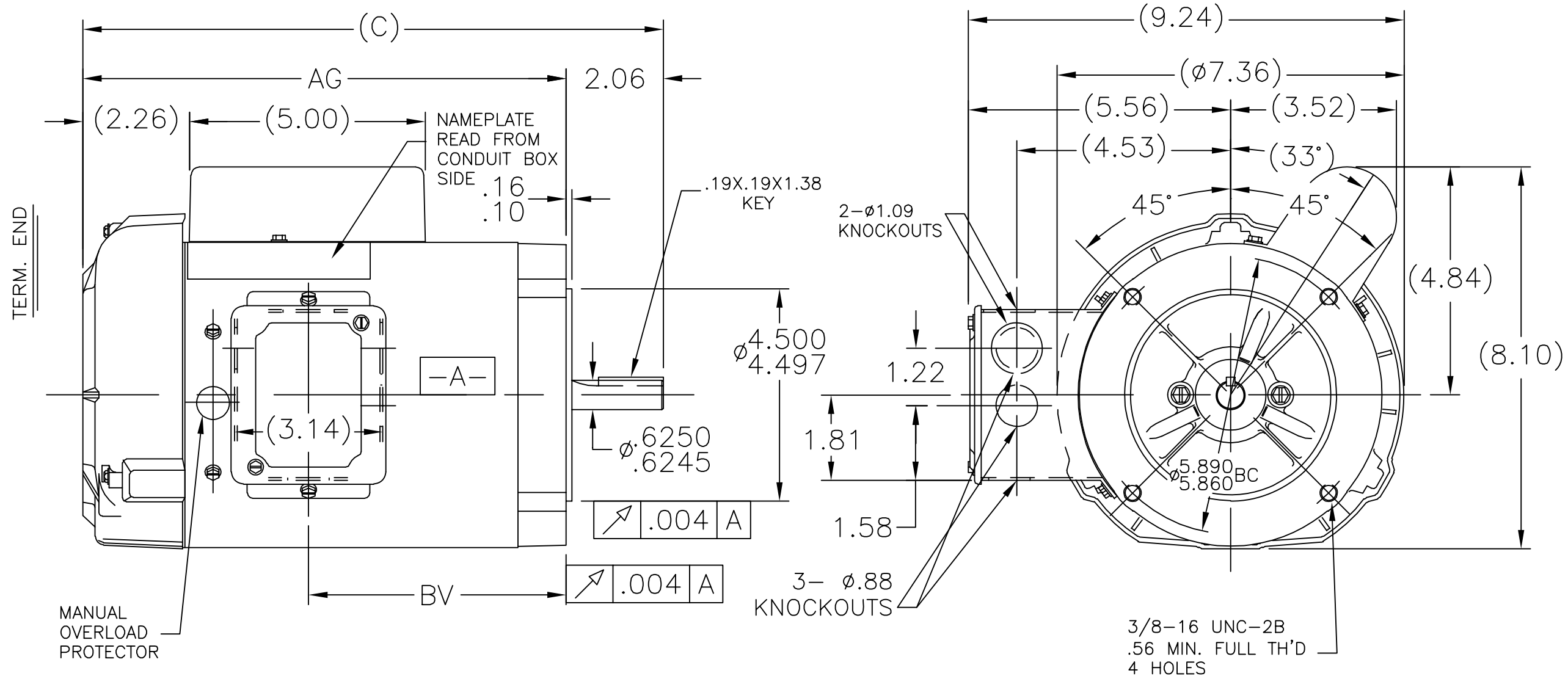
### Nameplate Specifications

Output HP	<b>0.50 Hp</b>	Output KW	<b>0.37 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/208-230 V</b>
Current	<b>8.8/4.2-4.4 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>1</b>
Efficiency	<b>66 %</b>	Power Factor	<b>58</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>N</b>	KVA Code	<b>L</b>
Frame	<b>56C</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>Manual</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6203</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Capacitor Start Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Selective Counterclockwise</b>
Resistance Main	<b>0 Ohms</b>	Mounting	<b>Round</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>NEMA 56</b>	Overall Length	<b>11.82 in</b>
Frame Length	<b>6.56 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>1.88 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Outline Drawing	<b>A-100866LE-656</b>	Connection Drawing	<b>A-102005-52-LE</b>

100866LE



DASH	FR.	C	AG	BV	DASH	FR.	C	AG	BV
					806	56-80	13.32	11.25	6.47
656	56-65	11.82	9.75	4.97	856	"-85	13.82	11.75	6.97
706	"-70	12.32	10.25	5.47	906	"-90	14.32	12.25	7.47
756	"-75	12.82	10.75	5.97	956	"-95	14.82	12.75	7.97

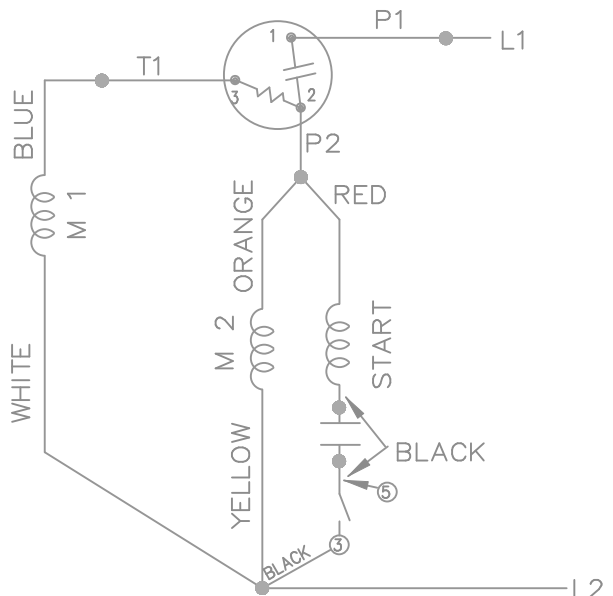
NOTES:

1. CONDUIT BOX CAN BE ROTATED 180°
2. DRAIN HOLE AT 12 O'CLOCK IN C-FACE TO BE PLUGGED.
3. DRAIN HOLES AT 6 O'CLOCK BOTH ENDS ARE NOT TO BE PLUGGED.

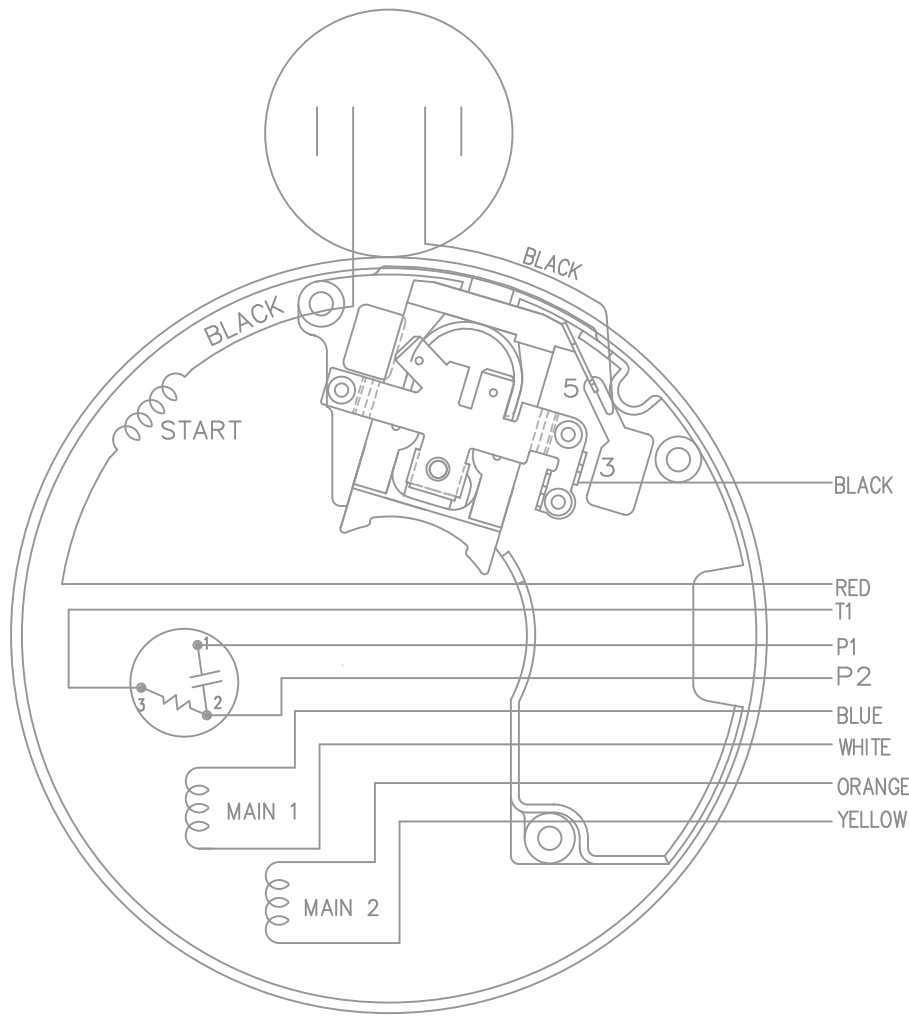
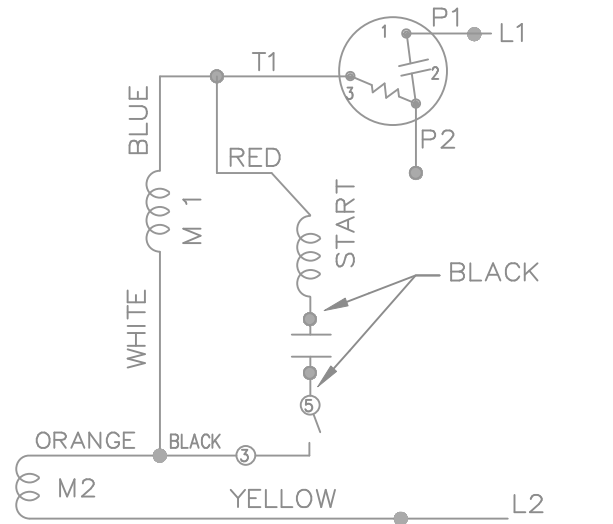
ORACLE  
REV 001

		TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN LZ 03-19-1994	
		DEC.	INCHES			CHK ML 03-22-1994	APPD MS 03-22-1994
		.X	±.1			SCALE 5=16	
		.XX	±.03		TITLE OUTLINE	REF	
		.XXX	±.005		56 FR - BB - TEFC - C FACE 1ø	FMF	
C	ADDED NOTES #2 & #3 ECR 0080066		.XXXX	±.0005	MAT'L.	PREV	
NO.	REVISION	BY & DATE	CHK	ANG ±7'30"	FINISH		
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 100866LE	SIZE A	DRAWING NO. 100866LE
				DIST WP		PAGE OF	REV. C

LOW VOLTAGE - CCW

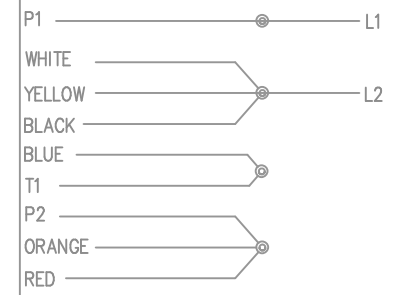


HIGH VOLTAGE - CCW

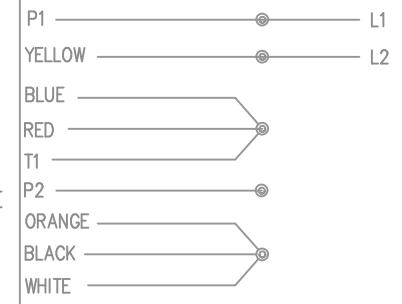


DUAL VOLTAGE  
CAPACITOR START  
OVERLOAD  
SELECT ROTATION


LOW VOLT. CCW ROT.



HIGH VOLT. CCW ROT.



FOR CW ROTATION  
EITHER VOLTAGE  
INTERCHANGE RED  
WITH BLACK

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN NJS 09-03-2002				
				DEC.	INCHES		CHK ML 09-04-2002				
				.X	±.1		APPD GK 09-09-2002				
				.XX	±.02		SCALE 5=8				
				.XXX	±.005		REF				
1	NEW DRAWING	MU43222	NJS 09-09-2002	ML	.XXXX ±.0005	MAT'L.	FMF				
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 102005-52-LE		SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	WP			A	102005-52-LE		1

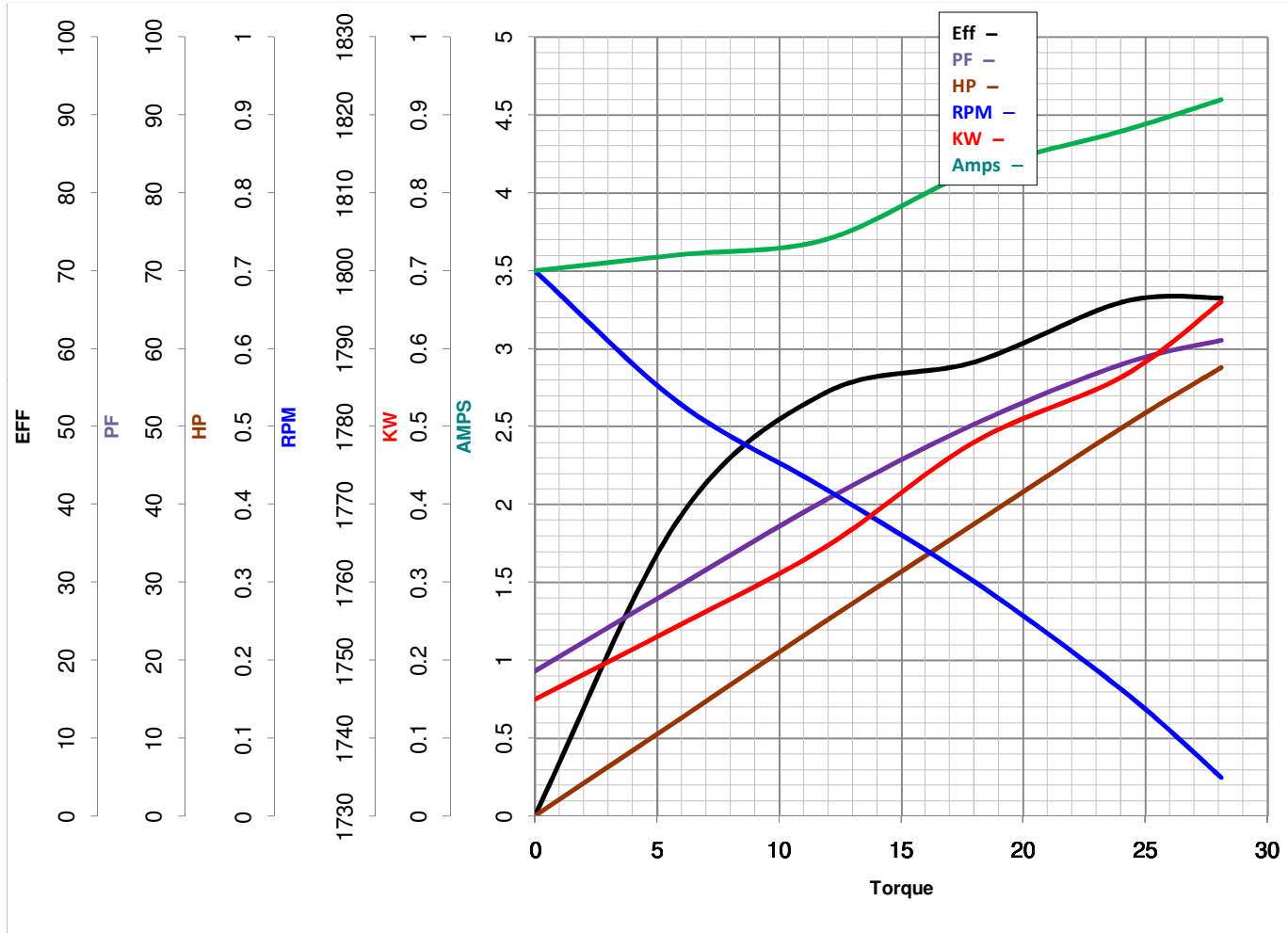


**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 117879.00

Catalog No 117879.00

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>24.1</u>	Oz.Ft	FL AMPS	<u>8.8/4.2-4.4</u>	
BD TORQUE	<u>72.3</u>	Oz.Ft	PU TORQUE	<u>61.2</u>	Oz.Ft
LR TORQUE	<u>83.8</u>	Oz.Ft	LR AMPS	<u>21.3</u>	
WINDING	ZC404-3		Date	3/26/2018	