

# PRODUCT INFORMATION PACKET



Model No: M6C17FC181A

Catalog No: 117881.00

..1HP..1800RPM.56C.TEFC.115/230V.1PH.60HZ.CONT.40C.1.15SF.C-FACE.....IND-AG.....

Agricultural



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### Nameplate Specifications

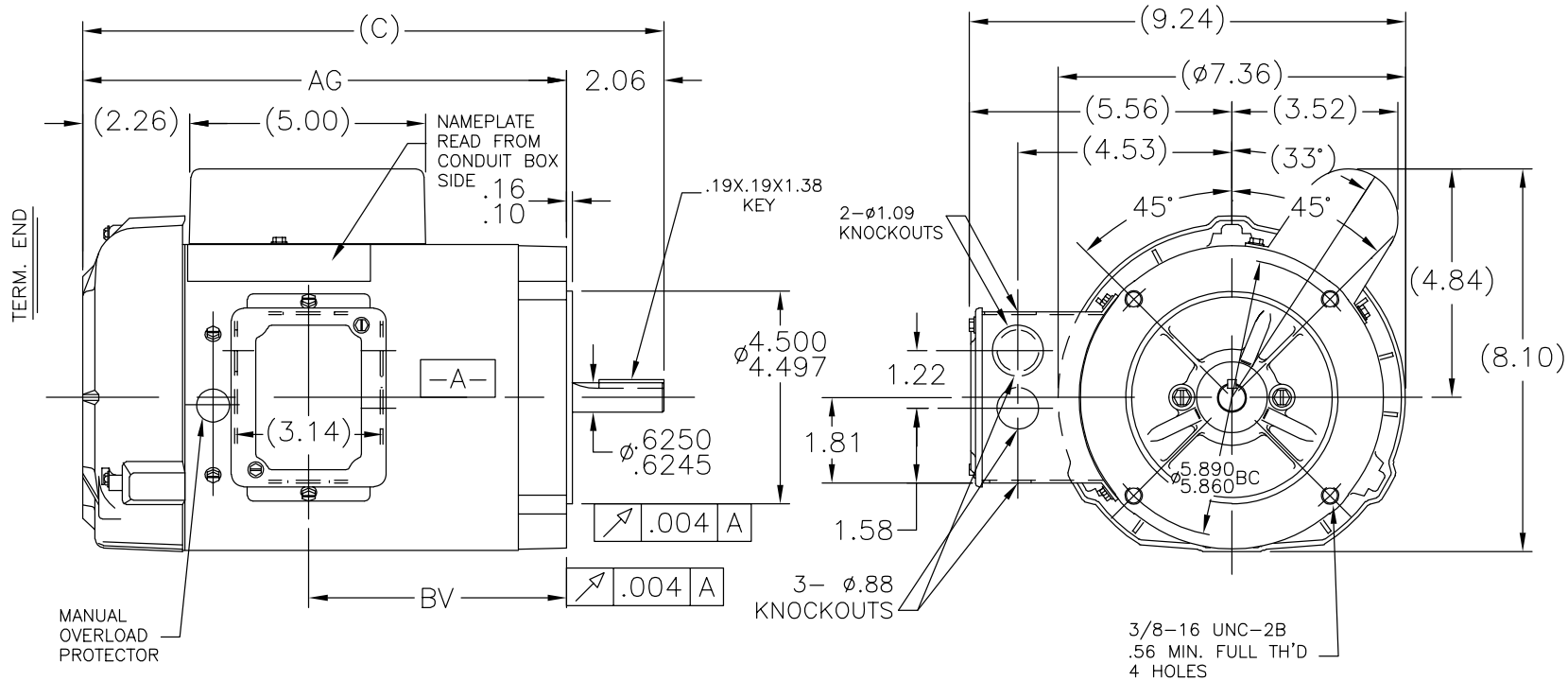
Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	13.4/6.8-6.7 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	72 %	Duty	Continuous
Insulation Class	B	Design Code	N
KVA Code	J	Frame	56C
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	Manual
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	43		

### Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Mounting	Round	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	12.82 in	Frame Length	7.56 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-100866LE-756	Connection Diagram	A-102005-52-LE

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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

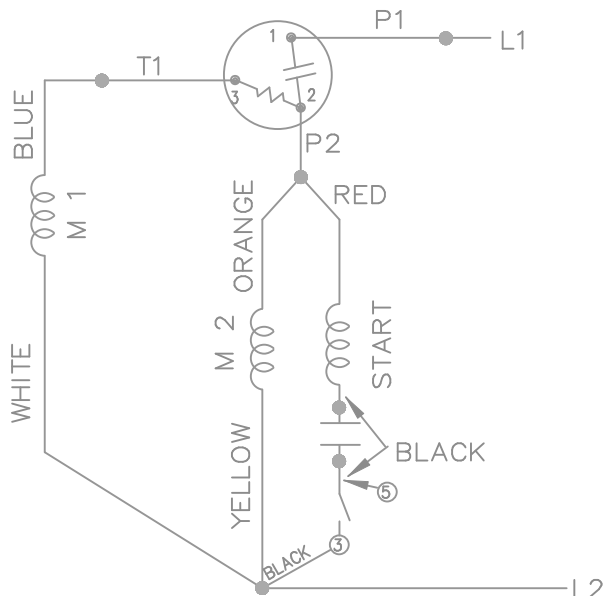
NOTES:

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.

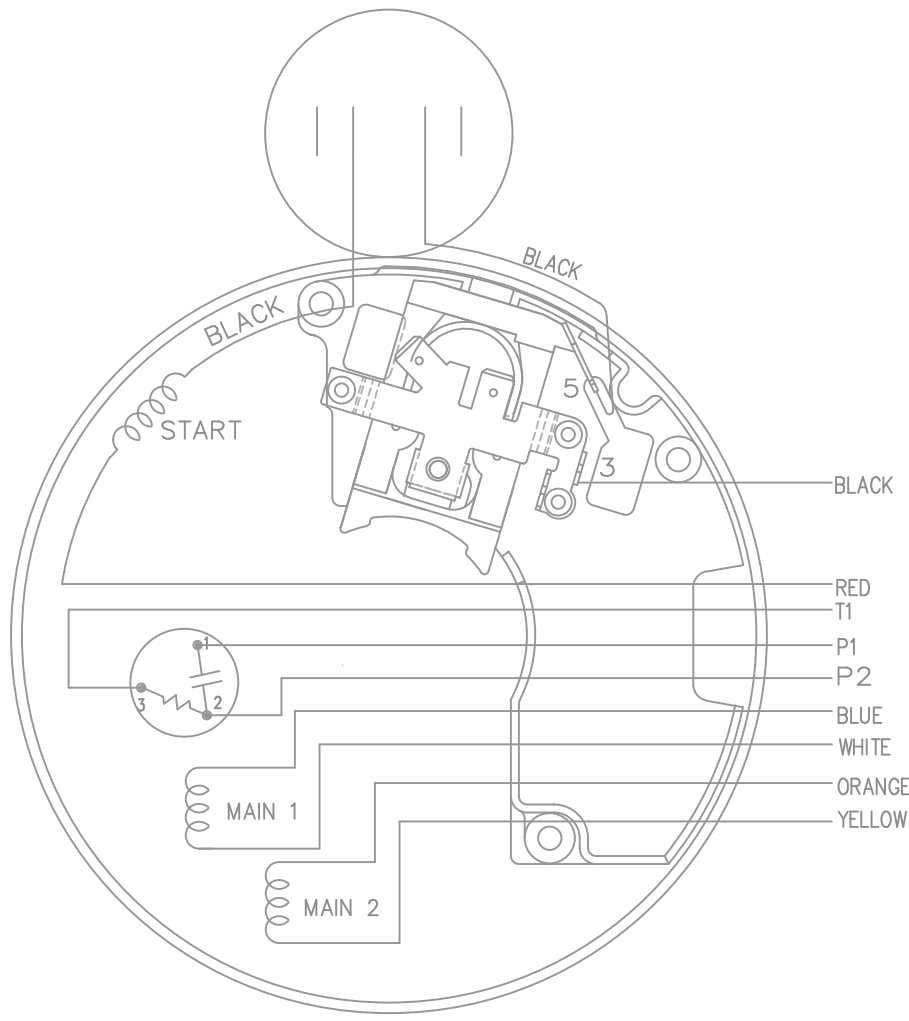
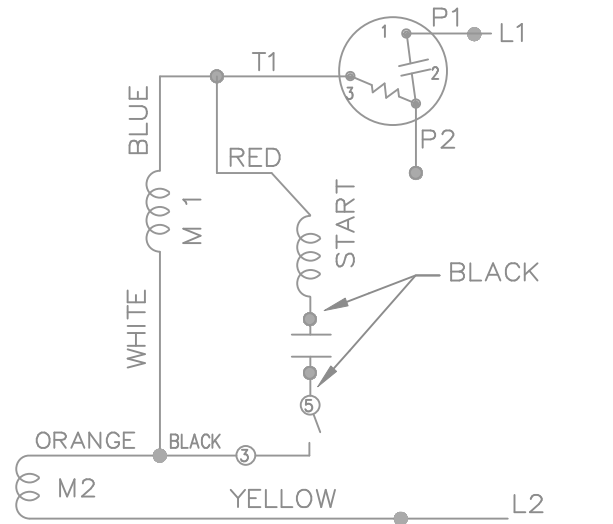
ORACLE REV 001

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

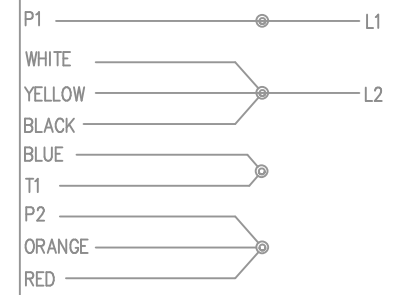


HIGH VOLTAGE - CCW

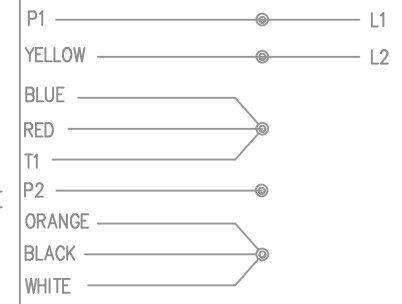


DUAL VOLTAGE  
CAPACITOR START  
OVERLOAD  
SELECT ROTATION


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				
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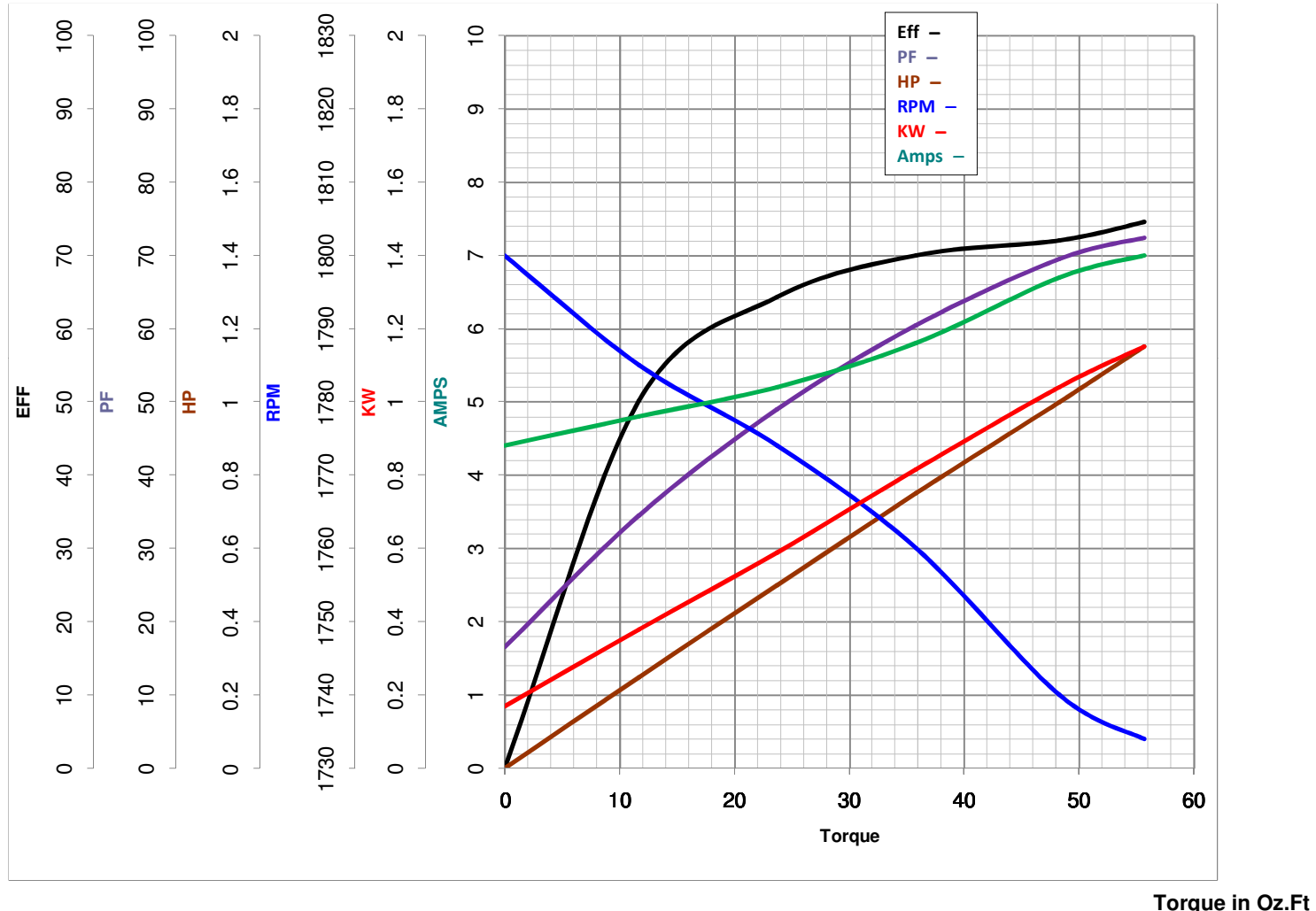


**LEESON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 117881.00

Catalog No 117881.00

Curve at 230 Volts      HP 1.00      PHASE 1  
60 HZ  
1 HP      VOLTS 115/208-230  
HZ 60      RPM 1725



<b>FL TORQUE</b>	<u>48.3</u>	Oz.Ft
<b>BD TORQUE</b>	<u>122.0</u>	Oz.Ft
<b>LR TORQUE</b>	<u>142.5</u>	Oz.Ft

<b>FL AMPS</b>	<u>13.4/6.8-6.7</u>	
<b>PU TORQUE</b>	<u>101.0</u>	Oz.Ft
<b>LR AMPS</b>	<u>34.7</u>	

**WINDING**      ZC407-3

**Date**      3/26/2018