

# PRODUCT INFORMATION PACKET



Model No: A009594.00  
Catalog No: A009594.00  
Agricultural Motor, 1.50 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56H Frame, TEAO



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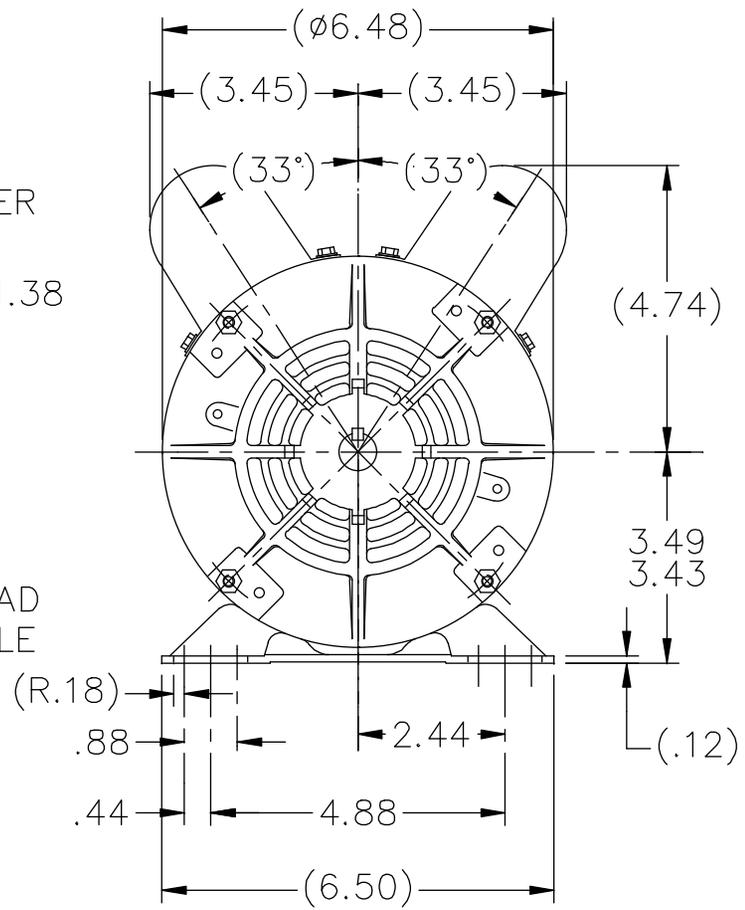
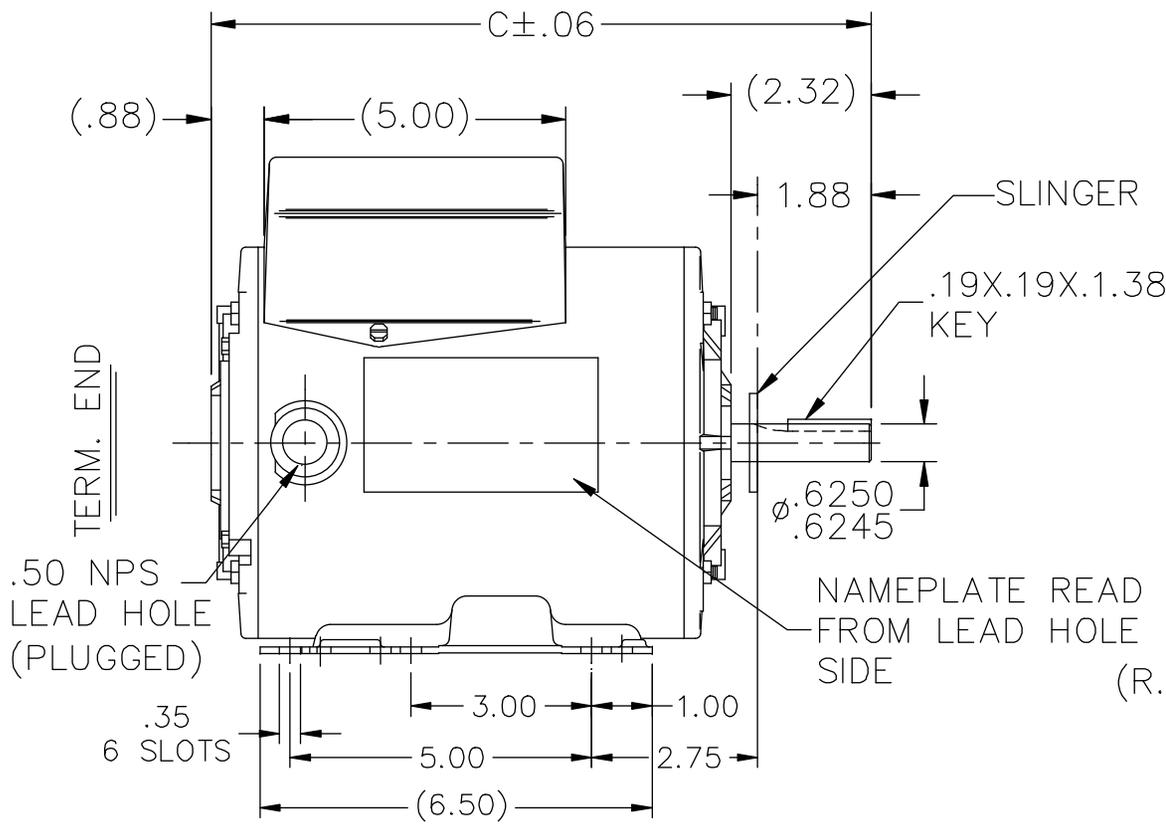


### Nameplate Specifications

Output HP	<b>1.50 Hp</b>	Output KW	<b>1.1 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/230 V</b>
Current	<b>11.6/5.8 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1</b>	Phase	<b>1</b>
Efficiency	<b>84 %</b>	Power Factor	<b>99</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>N</b>	KVA Code	<b>E</b>
Frame	<b>56H</b>	Enclosure	<b>Totally Enclosed Air Over</b>
Thermal Protection	<b>Automatic</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 Capacitor Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Selective Counterclockwise</b>
Resistance Main	<b>2.024 Ohms</b>	Mounting	<b>Rigid Base</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>11.94 in</b>
Frame Length	<b>8.06 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>1.88 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Connection Drawing	<b>102006-85LE</b>	Outline Drawing	<b>107336LE-806</b>

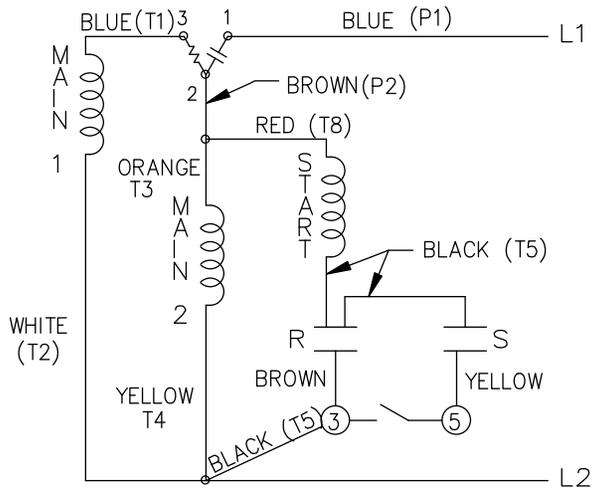


DASH	C	DASH	C
		756	11.44
606	9.94	806	11.94
656	10.44	856	12.44
706	10.94	906	12.94

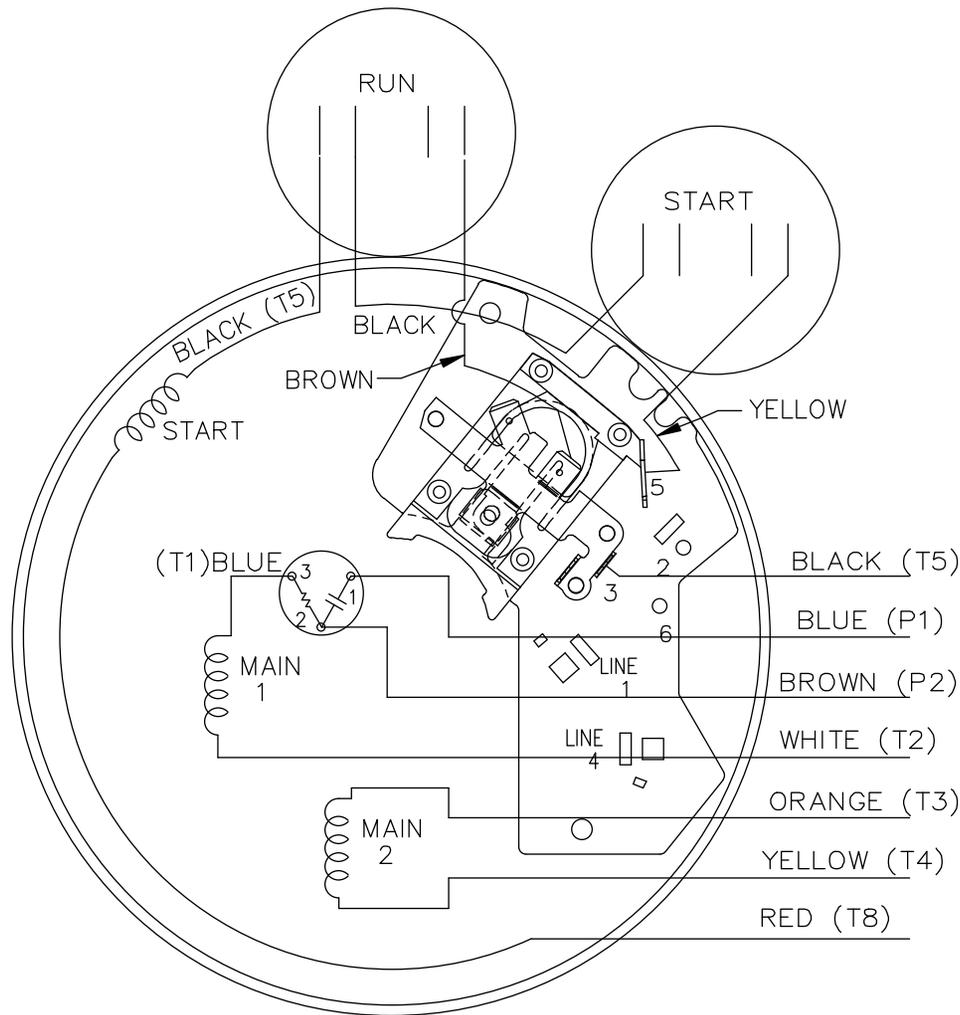
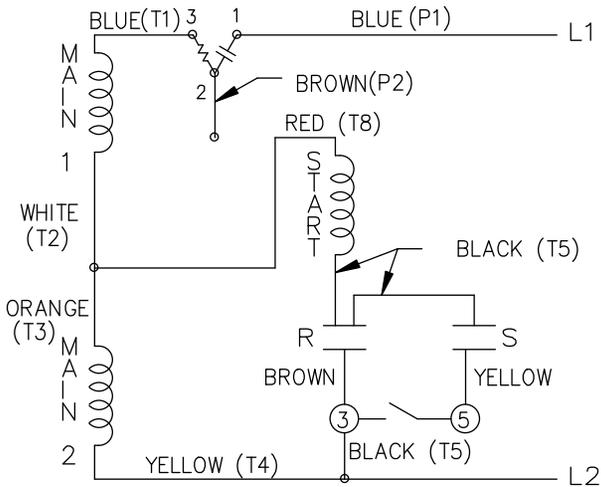
NO.		REVISION	BY & DATE	CHK	ANG	FINISH	TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN NB 10-18-2007		
							DEC.	INCHES		CHK	VL 01-29-2008	
							.X	±.1		APPD	NB 01-29-2008	
							.XX	±.03		SCALE 5=16		
							.XXX	±.005		REF 100588		
							TITLE OUTLINE		ME070145			
							56 FR. - TE - BB		PREV ME070145OL			
							MAT'L.					
							±7'30"					
				RFP	01-29-2008	CAD FILE	107336LE	SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	WP			A	107336LE			

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LOW VOLTAGE C.C.W.



HIGH VOLTAGE C.C.W.

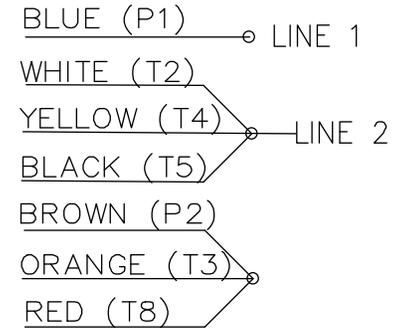


NOTE: USE P & T TERMINALS WHEN CALLED IN BOM

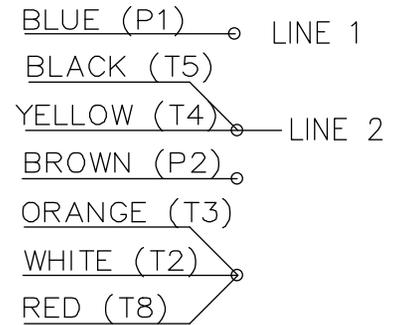
102006-85LE

DUAL VOLTAGE  
CAP. START-CAP. RUN  
OVERLOAD SELECT  
ROTATION.

LOW VOLT. CCW ROT.



HIGH VOLT. CCW ROT.



FOR CW ROT. EITHER  
VOLTAGE INTERCHANGE  
RED(T8) WITH BLACK(T5) LEAD.

		TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	VS 1/28/10					
		DEC.	INCHES		CHK						
		.X	±.1		APPD	VS 1/28/10					
		.XX	±.02		SCALE	5=8					
		.XXX	±.005		REF	102006-85					
01	ADDED P & T TERMINALS	UD	09/27/13	SKM	.XXXX	±.0005	MAT'L.	FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH		PREV			
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				DIST	WP		A	102006-85LE			01



**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** A-102006-85LE

**CATALOG #:** A009594.00

**OUTLINE:** A-107336LE-806

**MOUNTING:** F1 ONLY

**WINDING #:** ZB4187 3

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	1800	1725	56H	TEAO	E	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	11.6/5.8	ACROSS THE LINE	CONTINUOUS	B3	1.0	40

FULL LOAD EFF:	84	3/4 LOAD EFF:	82.9	1/2 LOAD EFF:	77	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	99	3/4 LOAD PF:	99	1/2 LOAD PF:	99	78		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L,R. TORQUE	B,D. TORQUE	F.L. RISE°C
73 OZ-FT	60.8 / 30.4	90.3 OZ-FT 124 %	146.1 OZ-FT 200 %	-

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	10 SEC.	0	36 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	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	STANDARD 56	NONE	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

\*  
N  
O  
T  
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S

<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



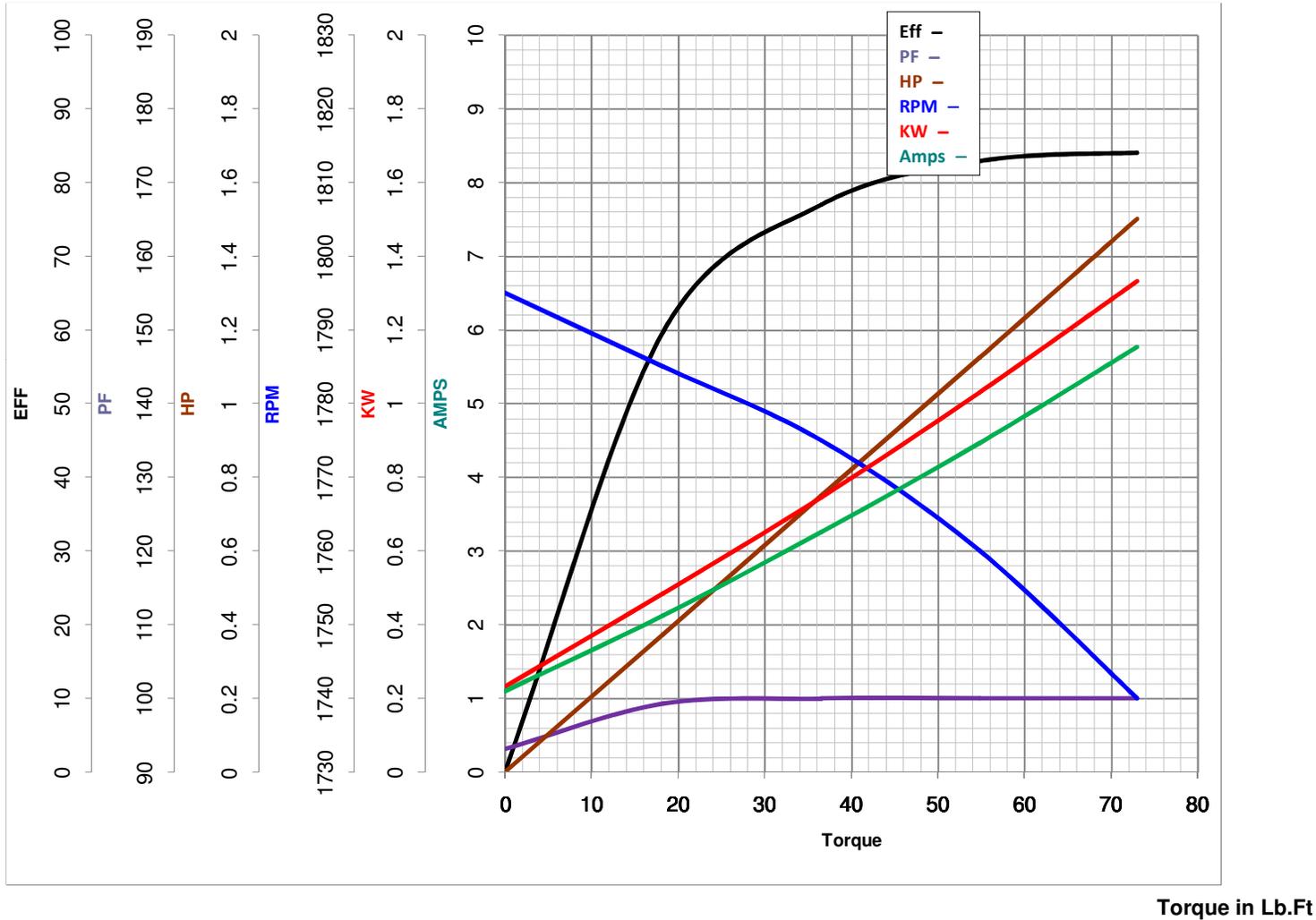
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No A009594.00

Curve at 230 Volts      HP 1.50      PHASE 1  
60 HZ  
1.5 HP      VOLTS 115/230

Catalog No A009594.00

HZ 60      RPM 1725



FL TORQUE 4.563 Lb.Ft  
 BD TORQUE 9.1 Lb.Ft  
 LR TORQUE 5.644 Lb.Ft

FL AMPS 11.6/5.8  
 PU TORQUE 5.5 Lb.Ft  
 LR AMPS 30.4

WINDING ZB4187-3

Date 4/10/2018