

PRODUCT INFORMATION PACKET

Model No: 111321.00

Catalog No: 111321.00

0.50 HP Agricultural Motor, 1 phase, 1200 RPM, 115/230 V, 56HZ Frame, TEAO



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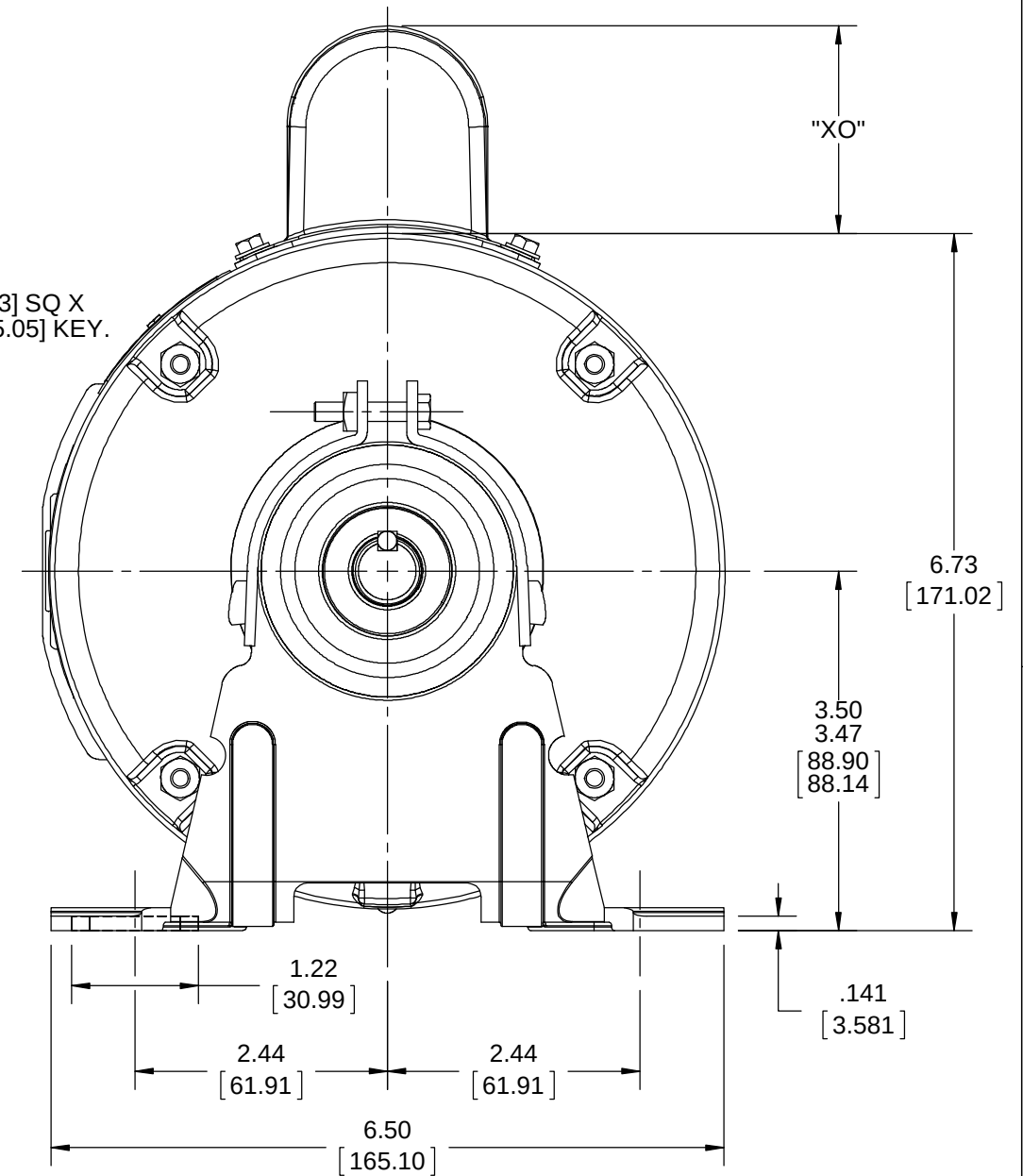
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115/230 V
Current	6.0/3.0 A	Speed	1075 rpm
Service Factor	1	Phase	1
Efficiency	62 %	Power Factor	85.4
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	D
Frame	56HZ	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

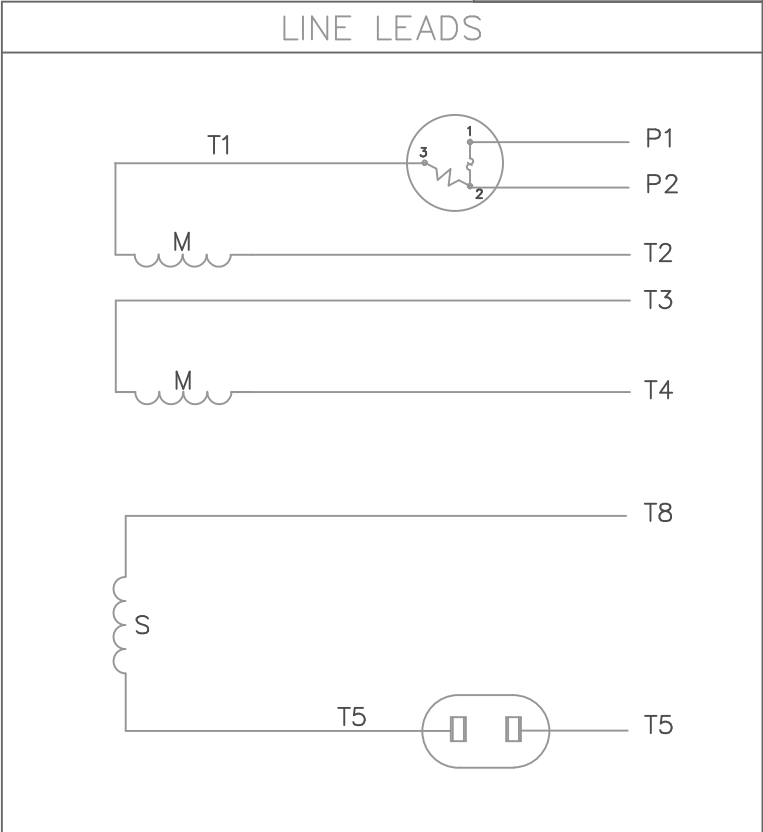
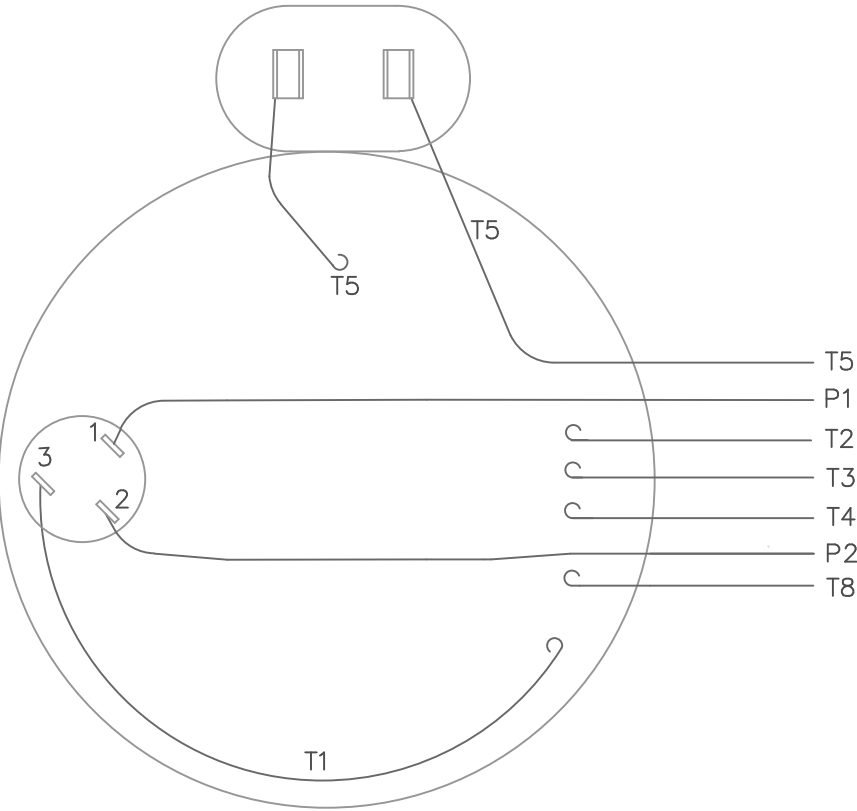
Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Resilient Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	13.60 in
Frame Length	7.00 in	Shaft Diameter	0.625 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028752-700B	Connection Drawing	005109.01

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DRAWING REVISION G		REVISION BY A.SUPPANNAVAR		DATE 01/22/2018		TOLERANCES UNLESS OTHERWISE SPECIFIED: <table border="1"> <thead> <tr> <th>DEC.</th> <th>INCH</th> <th>mm</th> <th>ANGLE</th> </tr> </thead> <tbody> <tr> <td>.X</td> <td>±0.1</td> <td>[±2.5]</td> <td>±0.5°</td> </tr> <tr> <td>.XX</td> <td>±0.03</td> <td>[±0.76]</td> <td></td> </tr> <tr> <td>.XXX</td> <td>±0.005</td> <td>[±0.127]</td> <td></td> </tr> <tr> <td>.XXXX</td> <td>±0.0005</td> <td>[±0.0127]</td> <td></td> </tr> </tbody> </table>		DEC.	INCH	mm	ANGLE	.X	±0.1	[±2.5]	±0.5°	.XX	±0.03	[±0.76]		.XXX	±0.005	[±0.127]		.XXXX	±0.0005	[±0.0127]	
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ECO ECO-0143018		APPROVED BY PK		DATE 04/11/2018																							
ECO DESCRIPTION OUTLINE CONVERSION PROJECT						DRAWN BY RDW DATE 03/17/06 APPROVED BY SW DATE 03/17/06 REFERENCE 028752																					
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						MATERIAL		PROCESS/FINISH																			
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 125 INCH / mm $\sqrt{\quad}$ 3.2 mm SHOWN IN [BRACKETS]						THIRD ANGLE PROJECTION 																					
SIZE B						DRAWING NUMBER 028752																					
						SHEET 1 OF 1																					

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			LEESON ELECTRIC CORPORATION			
				DEC.	INCHES	METRIC				
				.X	±	±	DRAWN JRW 10/01/75	TITLE EXTERNAL WIRING DIAGRAM TYPE "P" W/PROTECTOR		
				.XX	±	±	APPR. JBM 10/02/75			
08	REDRAWN ON CAD	DBT 05/28/97		.XXX	±	±	R.F.P.	MAT'L. DECAL - 004011		
NO.	REVISION	BY & DATE	CH'K'D.	.XXXX	±	±	SCALE 1=1			
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				FRACTIONS	±		REF. 005003	FINISH		REV. 08
				ANGLES	±		FMF W-P5567			DRAWING NO. 005109-01



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005109.01
OUTLINE: 028752-700B
WINDING #: P63635 NR 3 A

CATALOG #: 111321.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	1200	1075	56HZ	TEAO	D	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	6/3	ACROSS THE LINE	CONTINUOUS	B4	1.0	40

FULL LOAD EFF:	62	3/4 LOAD EFF:	57.7	1/2 LOAD EFF:	47.8	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	85.4	3/4 LOAD PF:	83.1	1/2 LOAD PF:	77.4	57.5	PSC 1 SPEED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.36 lb-ft	17.8 / 8.9	1.71 lb-ft 0 %	4.13 lb-ft 0 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
54 dBA	64 dBA	0.13 LB-FT^2	0 LB-FT^2	10 SEC.	0	37 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LIGHT (EPOXY)

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

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

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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 111321.00Catalog No 111321.00

Curve at

230

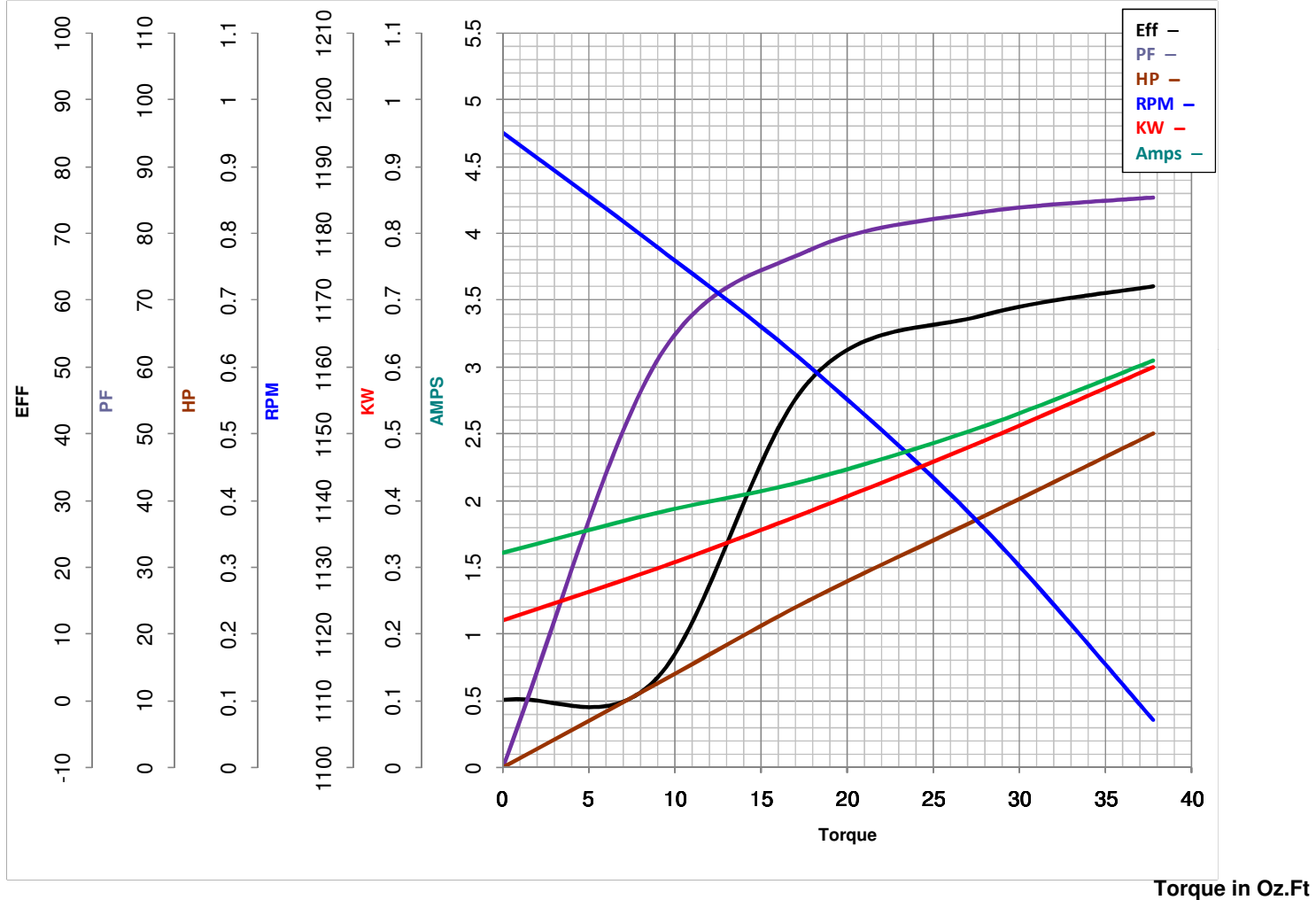
Volts

HP 0.50PHASE 160

HZ

VOLTS 115/2300.5

HP

HZ 60RPM 1075FL TORQUE 37.76 Oz.FtBD TORQUE 66.1 Oz.FtLR TORQUE 27.36 Oz.Ft

WINDING P63635-3

FL AMPS 6/3PU TORQUE 24.8 Oz.FtLR AMPS 8.88Date 7/17/2018