

PRODUCT INFORMATION PACKET



Model No: 110088.00
Catalog No: 110088.00
Agricultural Motor, 1 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56 Frame, TEFC

Operational at 115/208-230 V @60HZ



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Nameplate Specifications

Phase	1	Output HP	1 Hp
Output KW	0.75 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.00
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	74 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	14.0/7.0 A	Power Factor	63
Duty	Continuous	Insulation Class	F
Design Code	N	KVA Code	K
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

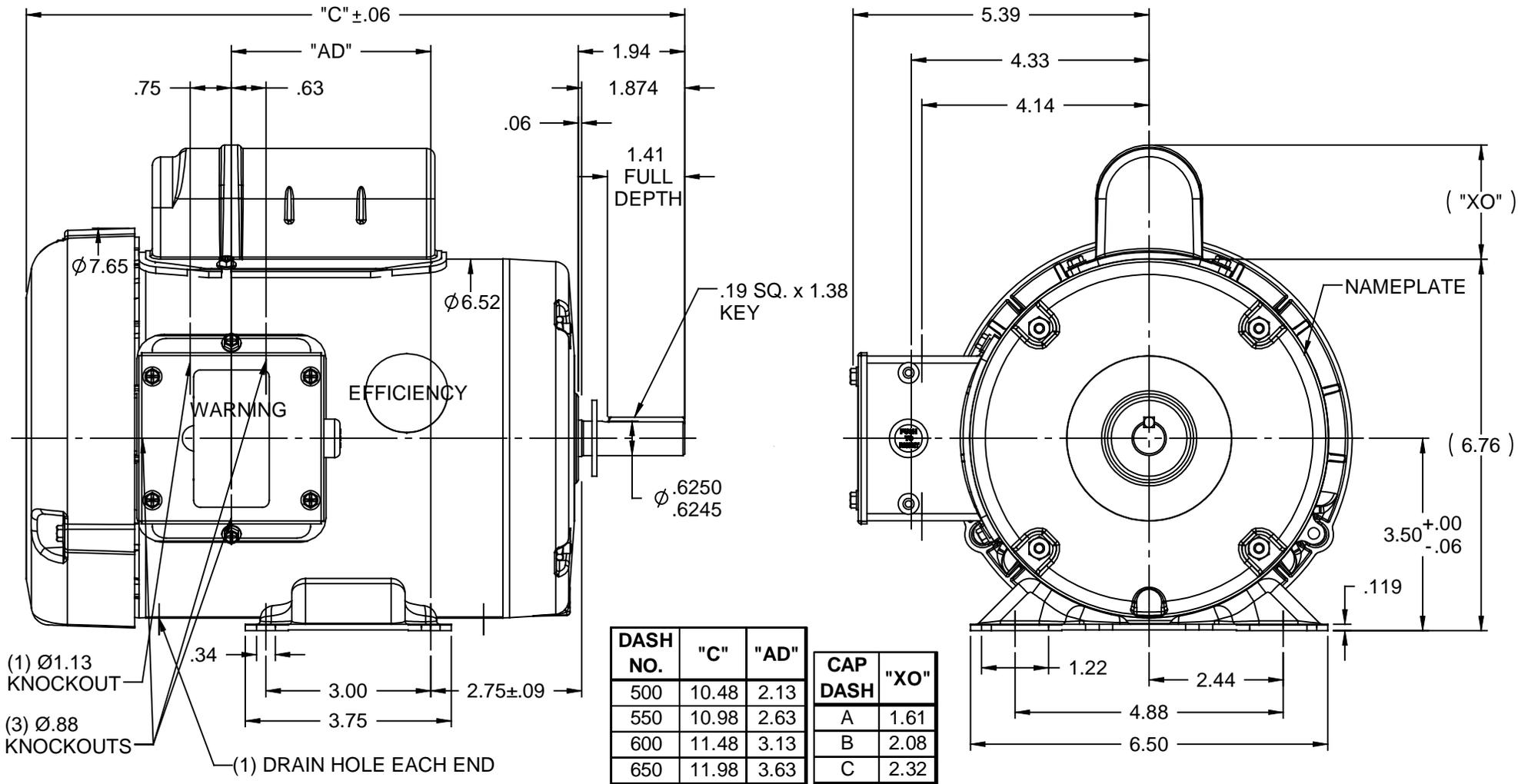
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	1.8 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.98 in
Frame Length	6.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028774-650B	Connection Drawing	005003.03

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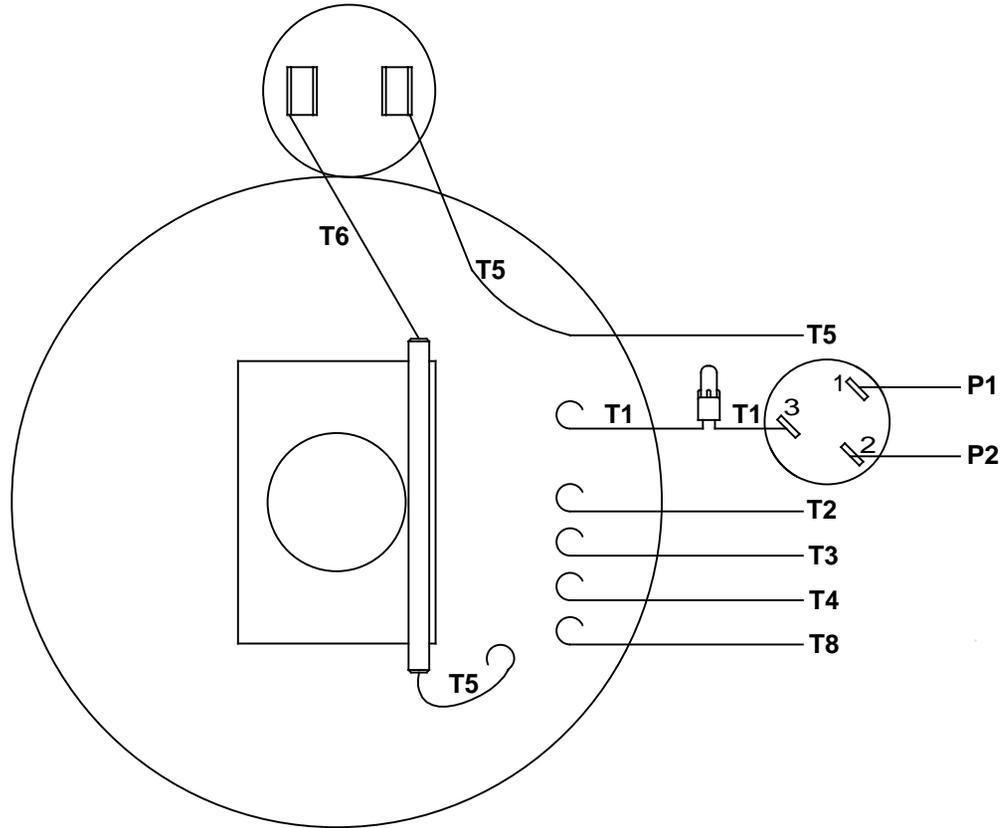
NOTES:

- 1) MANUAL OVERLOAD PROTECTOR.
- 2) FLINGER ON SHAFT.
- 3) GASKETS THROUGHOUT.
- 4) DRAIN HOLE IN FRAME (BOTH ENDS).

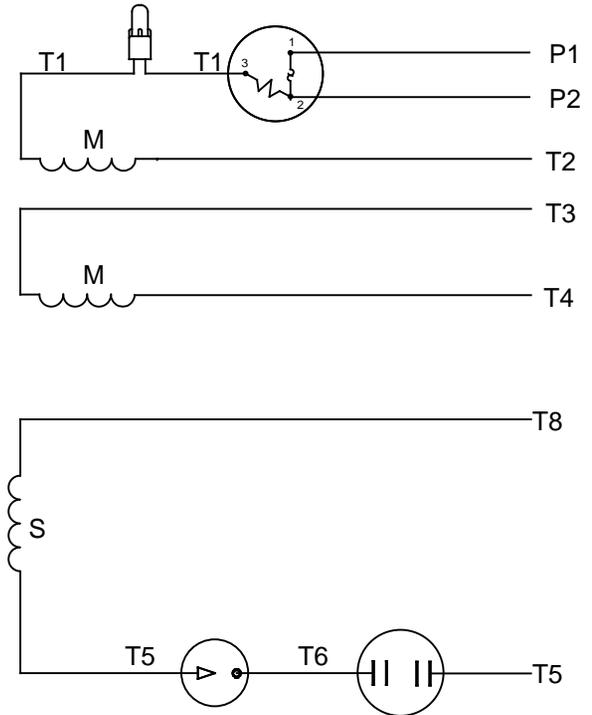


		TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KMM 08/09/07
		DEC	INCHES		CHK
		.X	±.1		APPR
		.XX	±.03		SCALE 3:8
		.XXX	±.005		REF 032507
01	ADD DRAIN HOLE NOTE PER ISAAC 08-1915	LST 5/7/08	XX .XXXX ±.0005	MAT'L	FMF 110088.00
NO	REVISION	BY & DATE	CHK ANG ±1/2°	FINISH GENERAL PURPOSE	PAGE OF
THIRD ANGLE PROJECTION			RFP	PREV	SIZE DRAWING NO
			NETWORK FILE NAME		A 028774
					REV 01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END



LINE LEADS



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	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 SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN WLV 08/20/79	
NO	REVISION	BY & DATE	CHK ANG			SCALE 1:1	CHK
			.X ±.1	TITLE EXTERNAL WIRING DIAGRAM TYPE "C" W/PROTECTOR			WRK 08/27/76
			.XX ±.01				ADN 08/27/76
06	REDRAWN IN SOLIDWORKS	VJB 7/22/2011	.XXX ±.005	MAT'L DECAL - 004011			
05	REDRAWN ON CAD	DBT 05/27/97	.XXXX ±.0005				
			±1/2°	FINISH			
THIRD ANGLE PROJECTION				RFP	PREV	SIZE	DRAWING NO
				NETWORK FILE NAME 00500303		A	005003-03
							REV 06



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005003.03

CATALOG #: 110088.00

OUTLINE: 028774-650B

MOUNTING: F1 ONLY

WINDING #: C634259 FR 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	1800	1725	56	TEFC	K	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	14/7.1-7	ACROSS THE LINE	CONTINUOUS	B4	1.15	40

FULL LOAD EFF:	74	3/4 LOAD EFF:	67.8	1/2 LOAD EFF:	61.6	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	63	3/4 LOAD PF:	57.8	1/2 LOAD PF:	46.9	70		CAP START IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
48.16 OZ-FT	74.6 / 37.3	141.8 OZ-FT 294 %	132.6 OZ-FT 275 %	88.6

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.099 LB-FT^2	0 LB-FT^2	10 SEC.	0	33 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	RED (ENAMEL)

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	MANUAL	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



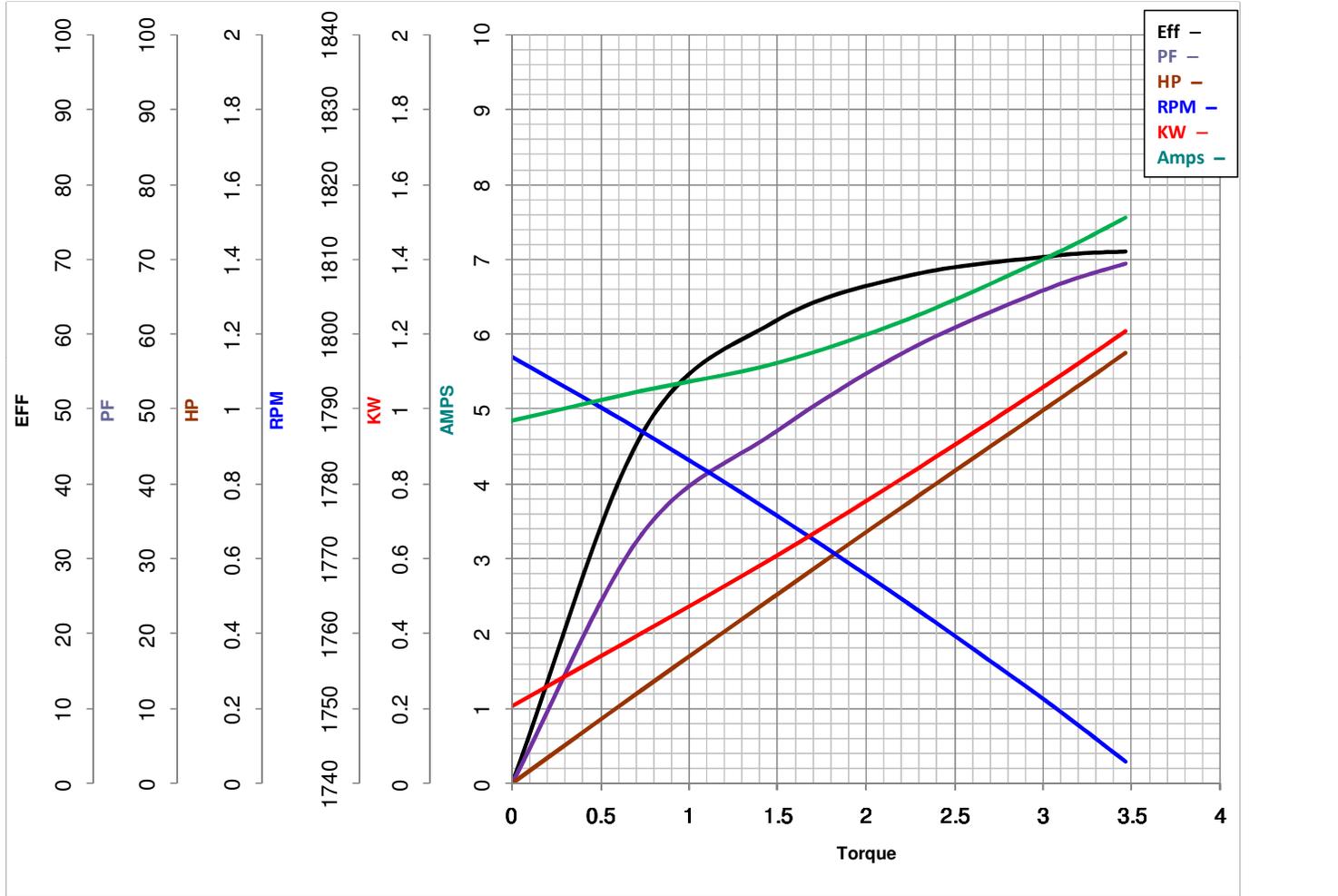
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 110088.00

Catalog No 110088.00

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

HZ 60 RPM 1725



Torque in Lb.Ft

FL TORQUE 3.01 Lb.Ft
 BD TORQUE 8.3 Lb.Ft
 LR TORQUE 8.863 Lb.Ft

FL AMPS 14/7.1-7
 PU TORQUE 7.4 Lb.Ft
 LR AMPS 37.3

WINDING C634259-3

Date 4/23/2018