

PRODUCT INFORMATION PACKET



Model No: 113958.00
Catalog No: 113958.00
Jet Pump Motor, 1.50 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 56J Frame, TEFC

Operational at 115/208-230 V @60HZ



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Nameplate Specifications

Phase	1	Output HP	1.50 Hp
Output KW	1.1 kW	Voltage	115/230 V
Speed	3450 rpm	Service Factor	1.00
Frame	56J	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Automatic	Efficiency	72 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	17.0/8.5 A	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

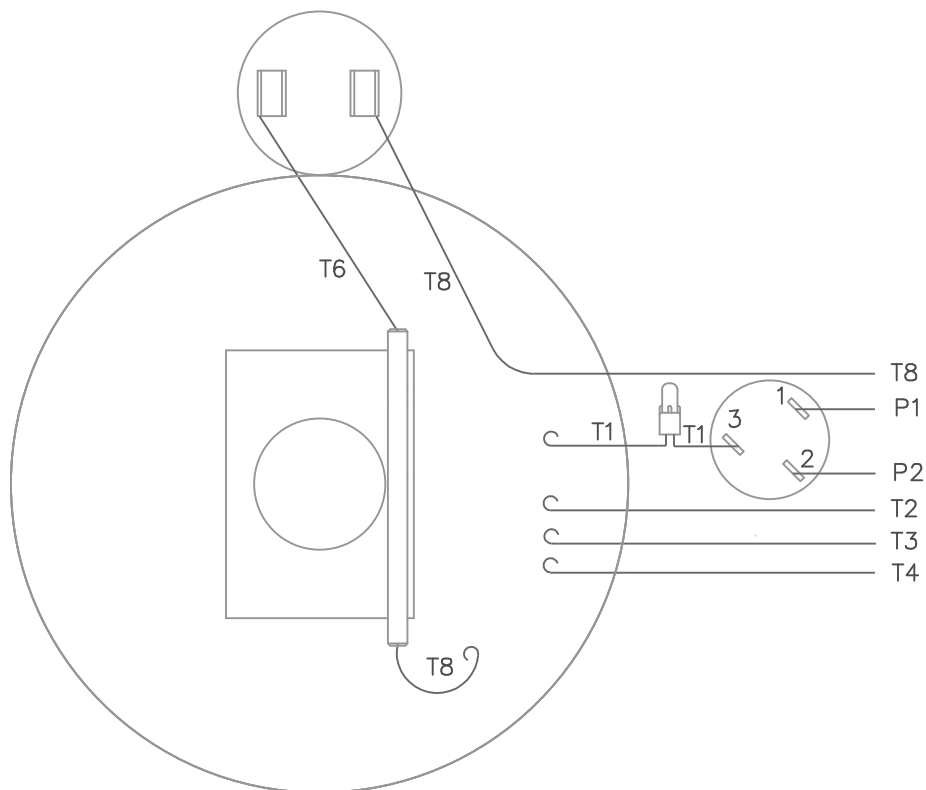
Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Fixed Clockwise
Resistance Main	1.32 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	J	Overall Length	12.78 in
Frame Length	7.00 in	Shaft Diameter	0.625 in
Shaft Extension	2.44 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005330.02	Outline Drawing	028870-700B

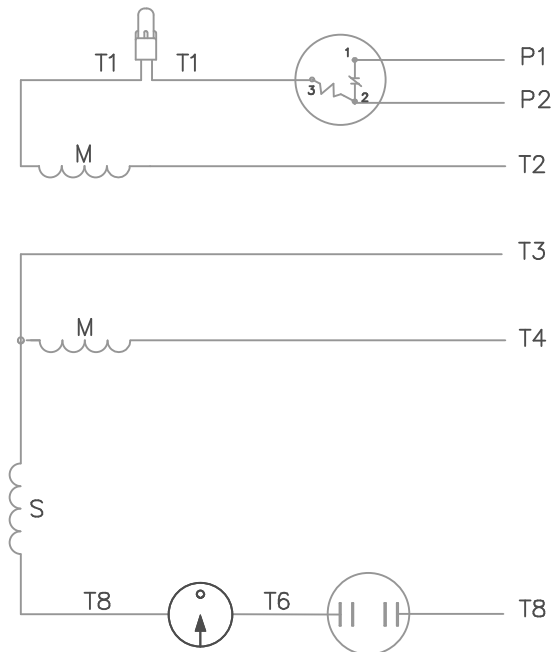
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005330-02

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.W.	P1	T4 T8	T2,T3	P2
LOW VOLT	C.W.	P1	T2,T4 T8	P2,T3	--

				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION			
				DECIMALS		EXT. WIRING DIAGRAM TYPE "C" W/PROTECTOR			
				.00	± .01	DRAWN EJM 03/04/91	TITLE		
				.000	± .005	CH'K'D. SJB 03/08/91	MAT'L.		
				.0000	± .0005	APPR. RPB 03/08/91	DECAL - 080393		
2	REDRAWN ON CAD	DBT	06/06/97	FRACTIONS	± 1/64	SCALE 1=1	BRF		
NO.	REVISION	BY	DATE	ANGLES	± 1/2°	REF. 005043.01	FINISH	SIZE	DRAWING NO.
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				INCH/MM		FMF 6C34FK49		A	005330-02



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

CERTIFICATION DATA SHEET

CATALOG #: 113958.00

CONN. DIAGRAM: 005330.02

OUTLINE: 028870-700B

MOUNTING: F1 ONLY

WINDING #: C632212 FR 5 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	3600	3450	56J	TEFC	H	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	17/9-8.5	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	72	3/4 LOAD EFF:	70.7	1/2 LOAD EFF:	66.1	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	80	3/4 LOAD PF:	73.5	1/2 LOAD PF:	62.7	77		CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.28 LB-FT	92 / 46	5.5 LB-FT 244 %	5.6 LB-FT 249 %	82

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.06 LB-FT^2	0 LB-FT^2	0 SEC.	0	34 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JET PUMP	NONE	NONE	416 STAINLESS (C-503)	ROLLED STEEL
6203	6203						

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 113958.00

Curve at

230

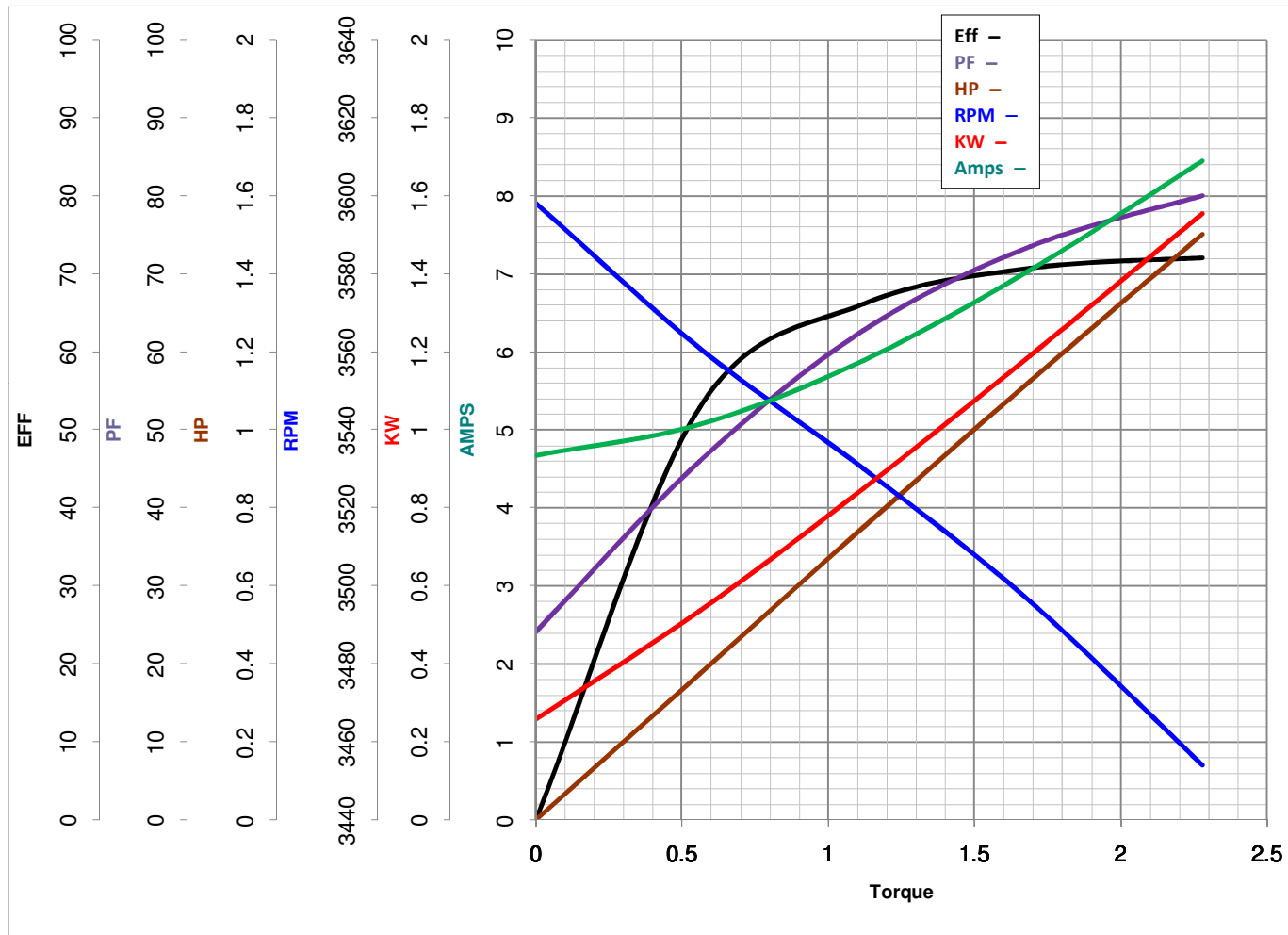
Volts

HP 1.50PHASE 160

HZ

1.5

HP

VOLTS 115/208-230Catalog No 113958.00HZ 60RPM 3450

Torque in Lb.Ft

FL TORQUE 2.28 Lb.FtBD TORQUE 5.6 Lb.FtLR TORQUE 5.5 Lb.Ft

WINDING C632212-5

FL AMPS 17/8.5PU TORQUE 5.3 Lb.FtLR AMPS 46

Date 4/12/2018