

# PRODUCT INFORMATION PACKET



Model No: 120130.00

Catalog No: 120130.00

General Purpose Motor, 1.50 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 143T Frame, TEFC

**Operational at 115/208-230 V @60HZ**



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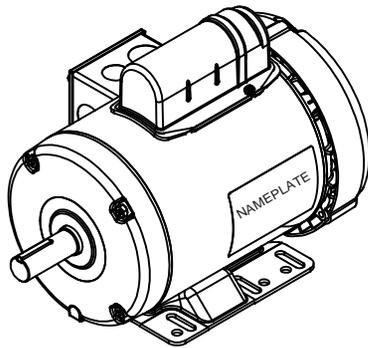
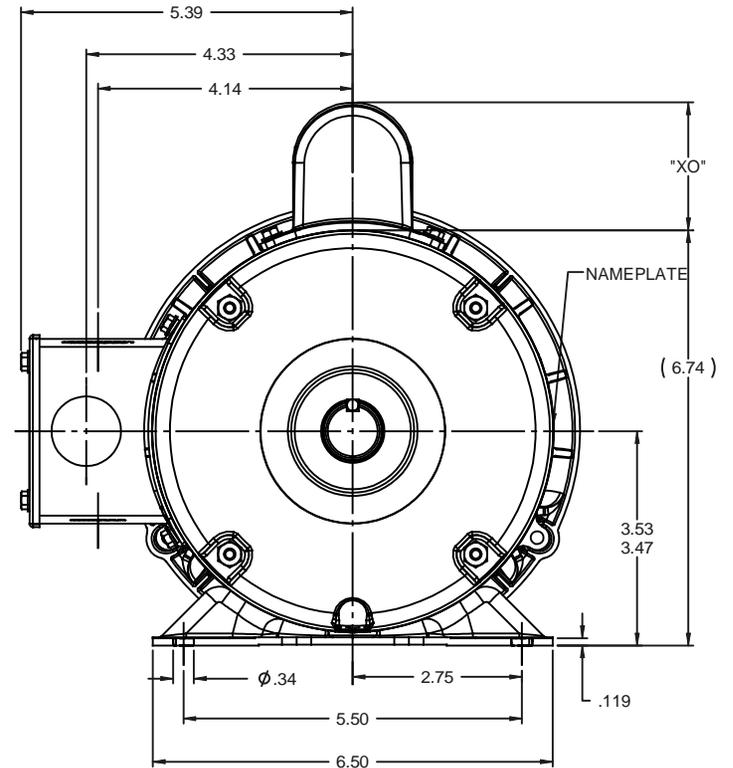
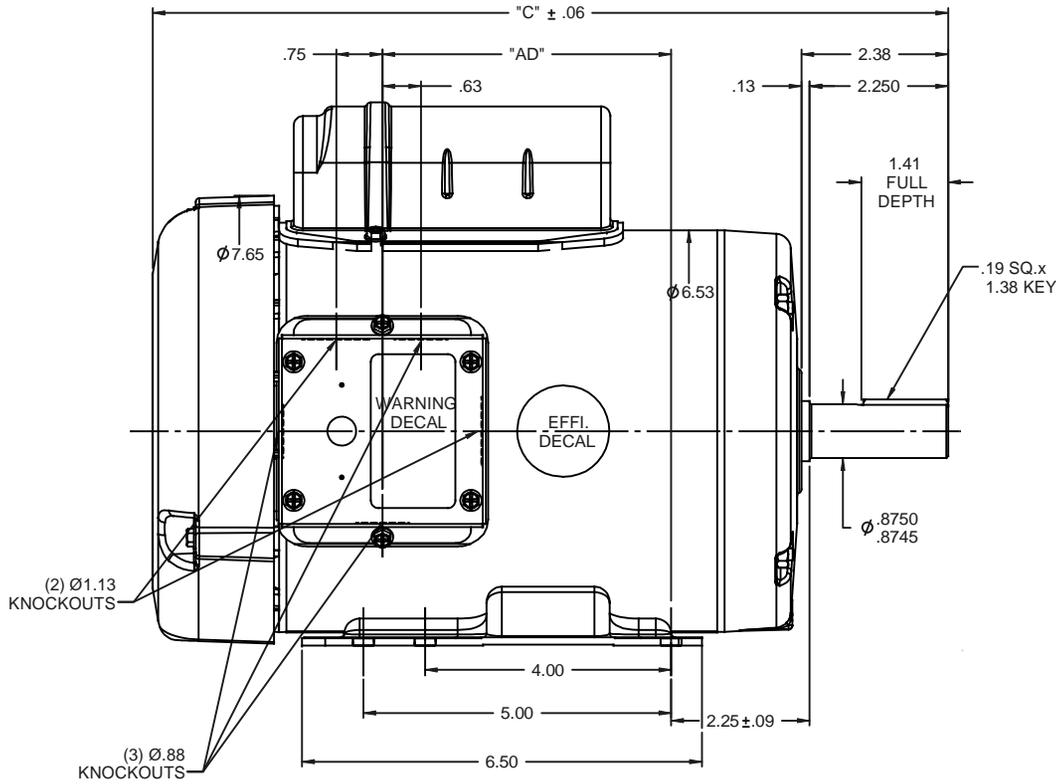
### Nameplate Specifications

Phase	1	Output HP	1.50 Hp
Output KW	1.1 kW	Voltage	115/230 V
Speed	3450 rpm	Service Factor	1.0
Frame	143T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	72 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	17.0/8.5 A	Power Factor	80
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	H
Drive End Bearing Size	6205	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	Selective Counterclockwise
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	T	Overall Length	13.43 in
Frame Length	7.50 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028855-750B	Connection Drawing	005005.01

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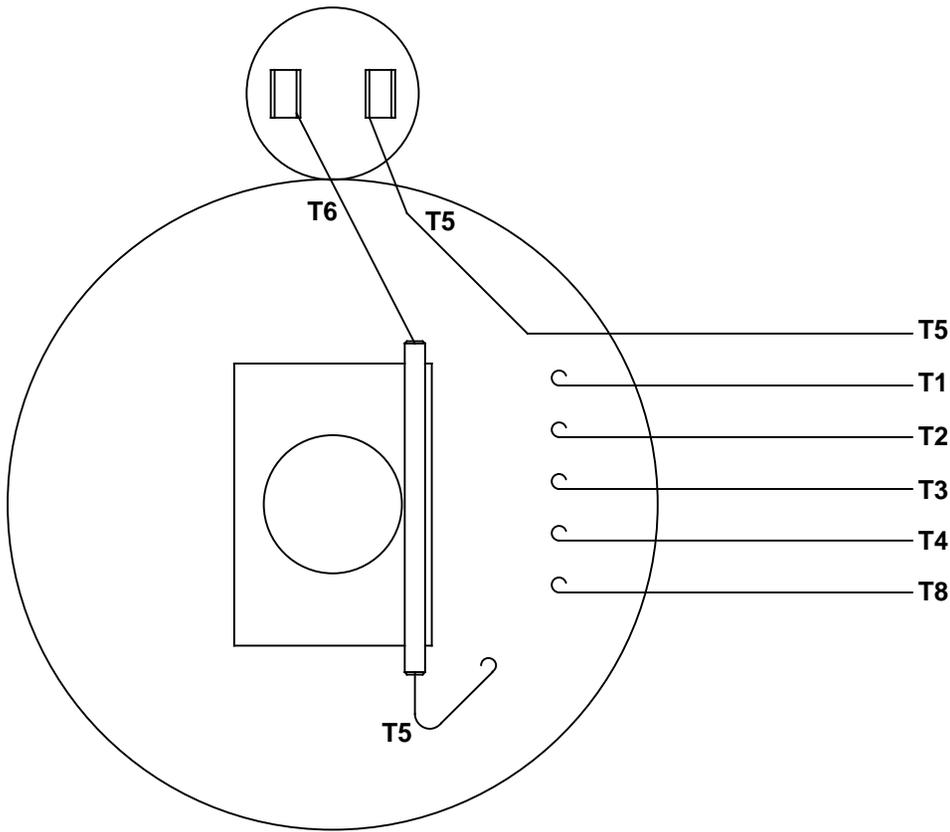


DASH NO.	"C"	"AD"	CAP. DASH	"XO"
700	12.93	4.69	A	1.54
750	13.43	5.19	B	2.01
800	13.93	5.69	C	2.25
850	14.43	6.19		

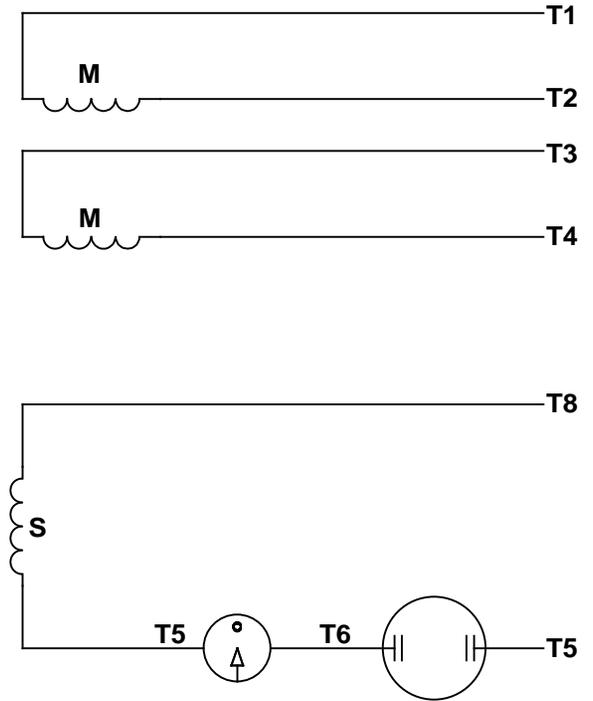
NOTE:  
 1) GASKETS THROUGHOUT

TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN
DEC	INCHES			GRB 07/21/08
X	±.1			CHK DJ 07/21/08
.XX	±.03	TITLE OUTLINE - 140T FRAME		APPR
.XXX	±.005	TEFC - RIGID		SCALE 1:2
.01	ADDED "XO" TABLE	DJ	9/4/2008	REF 028803
		.XXX	±.0005	MATL
		FINISH GENERAL PURPOSE		FMF 120025.00
NO	REVISION	BY & DATE	CHK ANG ±1/2°	PAGE 1 OF 1
	THIRD ANGLE PROJECTION	RFP 07/21/08	PREV	REV
		NETWORK FILE NAME 028855	SIZE B	DRAWING NO 028855

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



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	ROTATION FACING LEAD END	L1	L2	JOIN
HIGH VOLT	C.C.W.	T1	T4, T5	T2, T3, T8
	C.W.	T1	T4, T8	T2, T3, T5
LOW VOLT	C.C.W.	T1, T3, T8	T2, T4, T5	-----
	C.W.	T1, T3, T5	T2, T4, T8	-----

--	REDRAWN IN SOLIDWORKS	VJB 02/16/11	TOLERANCES UNLESS SPECIFIED		<b>LEESON</b>	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN ADH 08/06/73
27	UPDATED TO CURRENT STANDARDS	DBT 05/27/97	DEC	INCHES			CHK
26	ADDED PAGE 32 (114787) & PAGE 33 (114788)	KAZ 12/20/95	PG	.X ±.1	TITLE EXTERNAL WIRING DIAGRAM TYPE "C" W/O PROTECTOR		APPR JCW 03/09/79
25	ADDED PAGE 31	KAZ 04/19/95	DL	.XX ±.01			SCALE 1:1
24	ADDED PAGES 29 & 30	KMM 03/30/95	DL	.XXX ±.005	MAT'L DECAL - 004012		REF FIG 2-23 C4A
23	ADDED PAGE 28	KMM 01/27/95		.XXXX ±.0005			FMF MGI-2.4B
NO	REVISION	BY & DATE	CHK	ANG ±1/2°	FINISH	PAGE	OF
THIRD ANGLE PROJECTION			RFP	PREV	SIZE	DRAWING NO	
			NETWORK FILE NAME 00500501		<b>A</b>	<b>005005-01</b>	
							REV
							--



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

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** 005005.01  
**OUTLINE:** 028855-750B  
**WINDING #:** C632212 FR 3 A

**CATALOG #:** 120130.00  
**MOUNTING:** F1 ONLY

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	3600	3450	143T	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	B4	1.0	40

FULL LOAD EFF:	72	3/4 LOAD EFF:	70.5	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	68	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	10 SEC.	0	39 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	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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<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



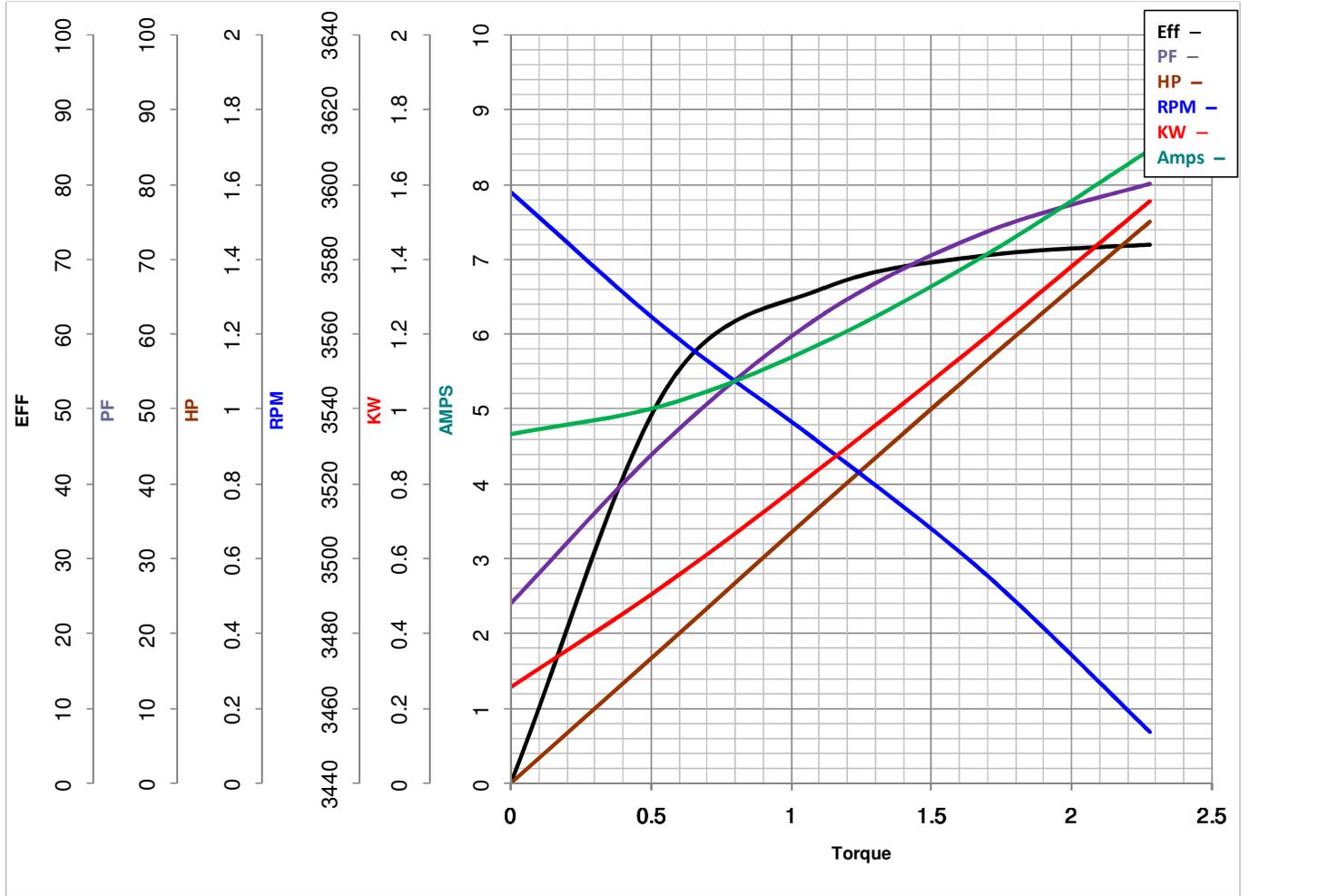
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 120130.00

Curve at 230 Volts      HP 1.50      PHASE 1  
60 HZ  
1.5 HP      VOLTS 115/208-230

Catalog No 120130.00

HZ 60      RPM 3450



Torque in Lb.Ft

FL TORQUE 2.28 Lb.Ft  
 BD TORQUE 5.6 Lb.Ft  
 LR TORQUE 5.5 Lb.Ft

FL AMPS 17/9-8.5  
 PU TORQUE 5.3 Lb.Ft  
 LR AMPS 46

WINDING C632212-3

Date 3/26/2018