

PRODUCT INFORMATION PACKET



Model No: 121060.00

Catalog No: 121060.00

General Purpose Motor, 3 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 145TC Frame, TEFC



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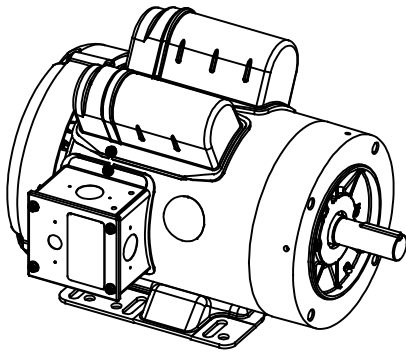
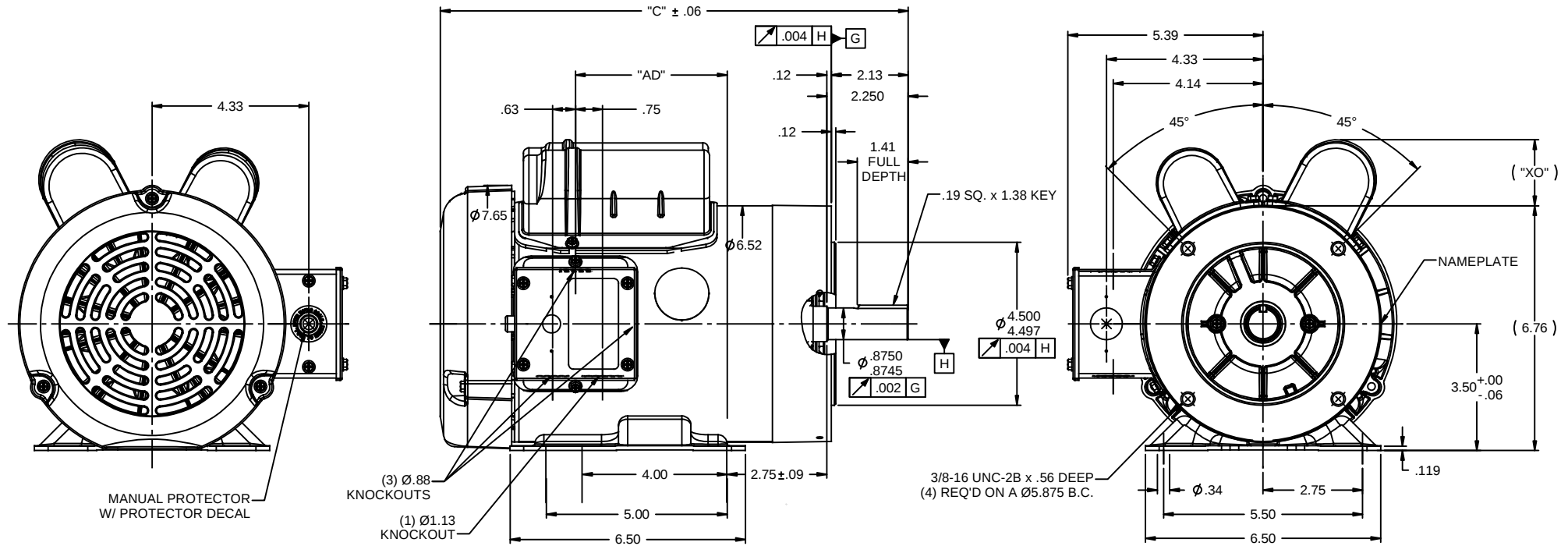


Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230 V
Current	13.0 A	Speed	3450 rpm
Service Factor	1	Phase	1
Efficiency	81.5 %	Power Factor	91
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	J
Frame	145TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized (Not Protector)	CSA	N
CE	N	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	.52 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	14.43 in
Frame Length	8.50 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005056.03	Outline Drawing	028804-850C

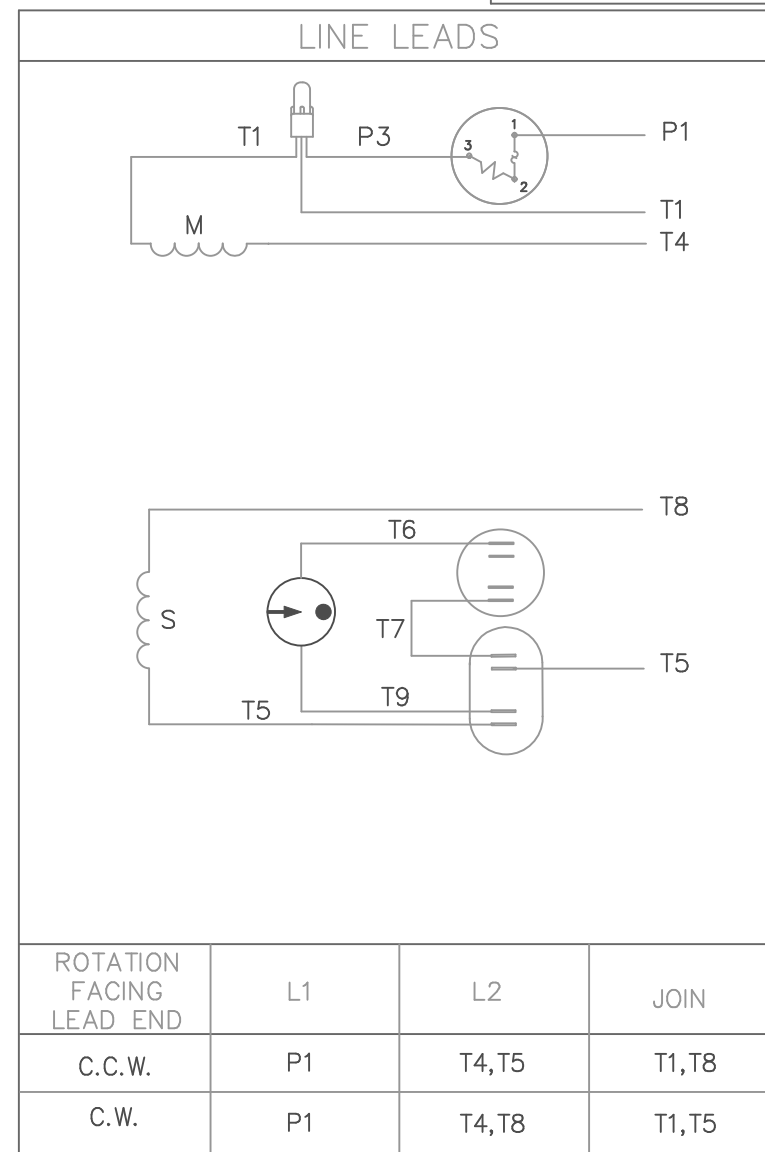
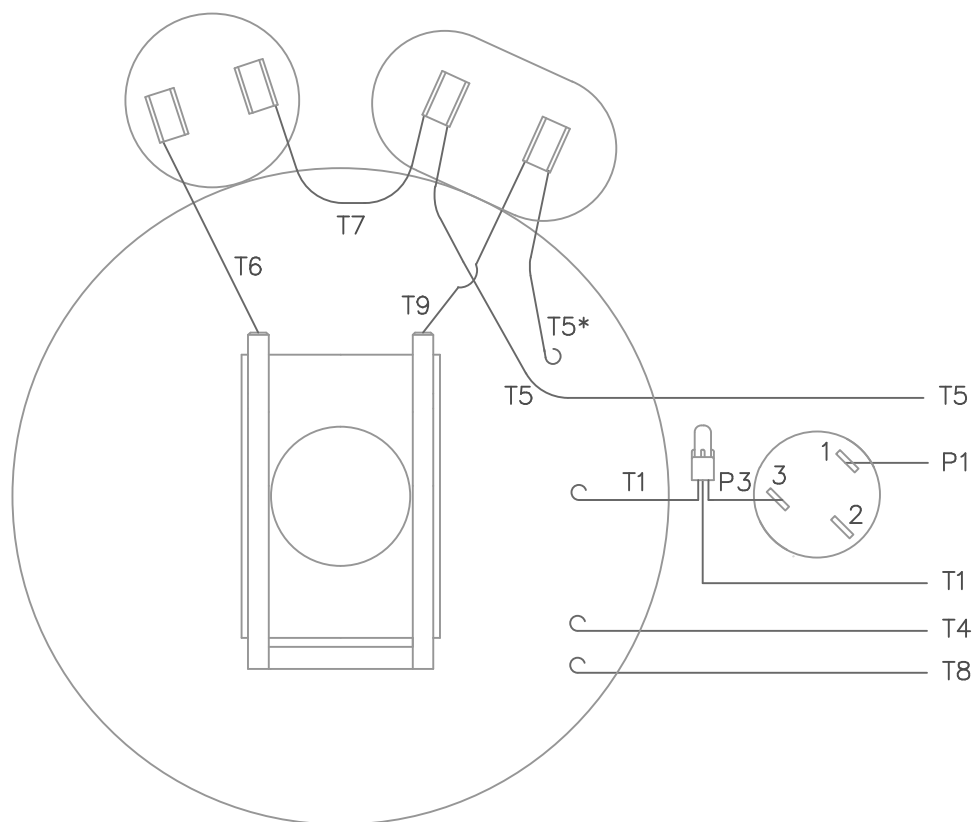


DASH NO.	"C"	"AD"	CAP DASH	"XO"
700	12.93	4.19	A	1.15
750	13.43	4.69	B	1.60
800	13.93	5.19	C	1.82
850	14.43	5.69		

NOTE:
1) GASKETS THROUGHOUT

TOLERANCES UNLESS SPECIFIED				LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN KMM 10/11/07	
DEC	INCHES					CHK	
X	± 1					APPR	
XX	± 0.03					SCALE	3:8
XXX	± 0.005					REF	028590
XXXX	± 0.0005					FMF	121060.00
NO	REVISION	BY & DATE	CHK ANG $\pm 1/2^\circ$	FINISH		PAGE	OF
	THIRD ANGLE PROJECTION		RFP	PREV		SIZE	DRAWING NO
			NETWORK FILE NAME			B	028804

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



* THIS LEAD MAY BE WHITE

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN		WLW 08/30/76
				DEC.	INCHES				CHK	WRK 09/24/76	
				.X	±.1				APPD		
08	ALTERNATE T5 LEAD MARKING WAS RED	RLW 8/6/02		.XX	±.01				TITLE	EXTERNAL WIRING DIAGRAM TYPE "K" W/ PROTECTOR	SCALE
07	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH	.XXX	±.005			REF			
06	REDRAWN TO CAD	DBT 5/31/02		.XXXX	±.0005	MAT'L.	DECAL - 004015	FMF	6K17FB4		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH		PREV			
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			RFP		CAD FILE		00505603	SIZE	DRAWING NO.	REV	
			DIST		BRF-NLV		A	005056-03	08		



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005056.03
OUTLINE: 028804-850C
WINDING #: K632129 FR 2 A

CATALOG #: 121060.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	3600	3450	145TC	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	13	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	81.5	3/4 LOAD EFF:	81.3	1/2 LOAD EFF:	77.3	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	91	3/4 LOAD PF:	88.2	1/2 LOAD PF:	81	78.5	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	100	12.5 LB-FT 278 %	13.5 LB-FT 300 %	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.1 LB-FT^2	0 LB-FT^2	0 SEC.	0	54 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						
6205	6203						
		POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

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

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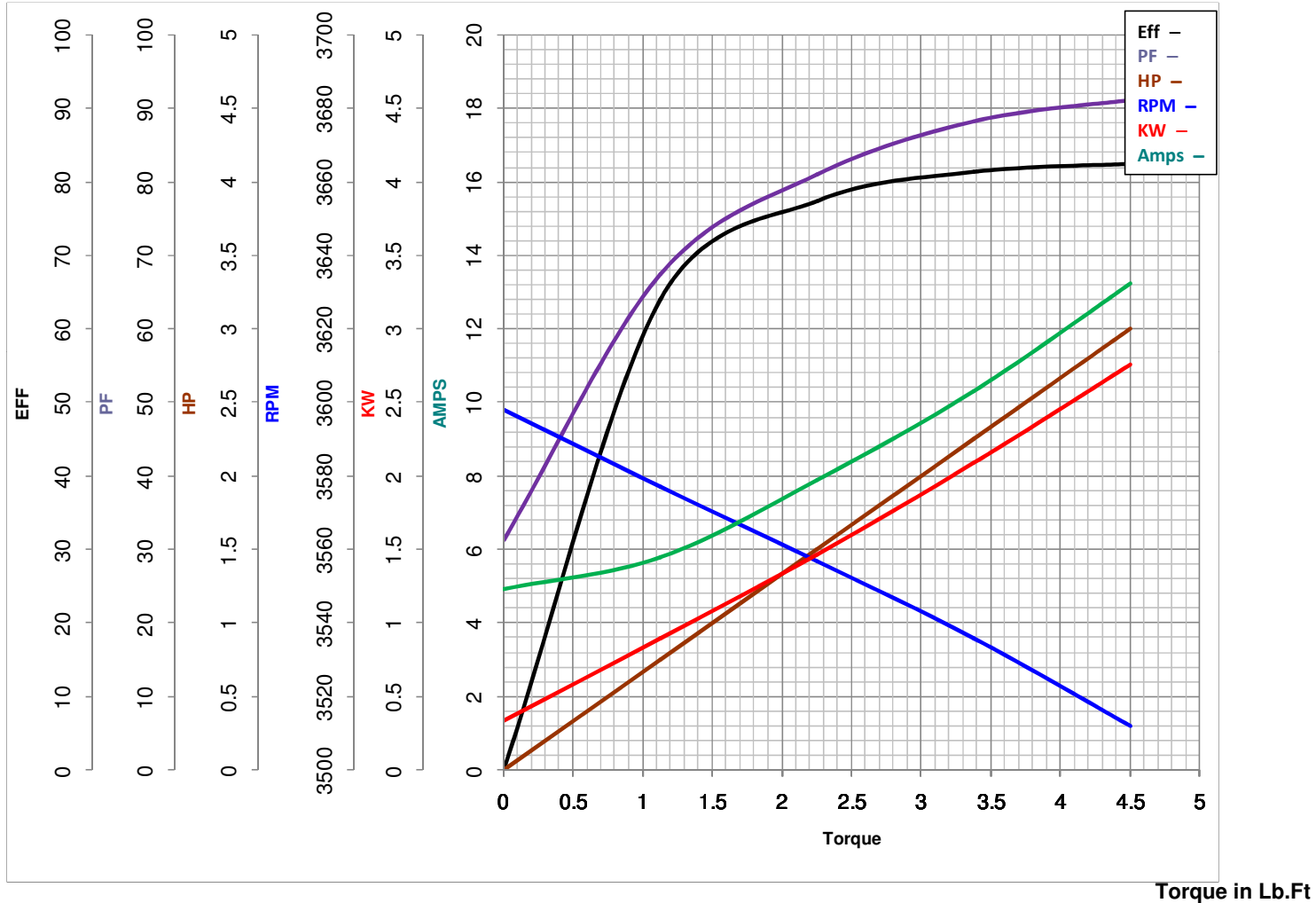
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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 121060.00Curve at 230
60
3Volts
HZ
HPHP 3.00PHASE 1VOLTS 230HZ 60RPM 3450Catalog No 121060.00

FL TORQUE 4.5 Lb.Ft
 BD TORQUE 13.5 Lb.Ft
 LR TORQUE 12.5 Lb.Ft

FL AMPS 13
 PU TORQUE 12.0 Lb.Ft
 LR AMPS 100

WINDING K632129-2

Date 4/12/2018