

# PRODUCT INFORMATION PACKET



Model No: 121008.00

Catalog No: 121008.00

General Purpose Motor, 2 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 145TC Frame, TEFC

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



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### Nameplate Specifications

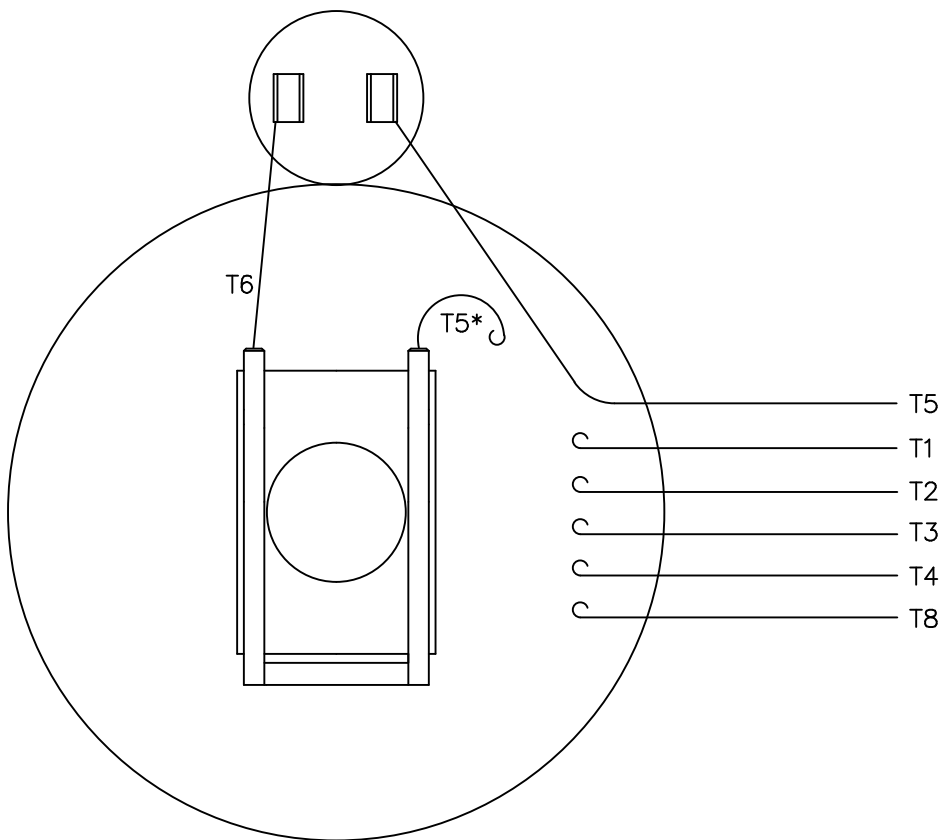
Phase	1	Output HP	2 Hp
Output KW	1.5 kW	Voltage	115/230 V
Speed	3450 rpm	Service Factor	1.0
Frame	145TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	73 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	20.0/10.0 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	J
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

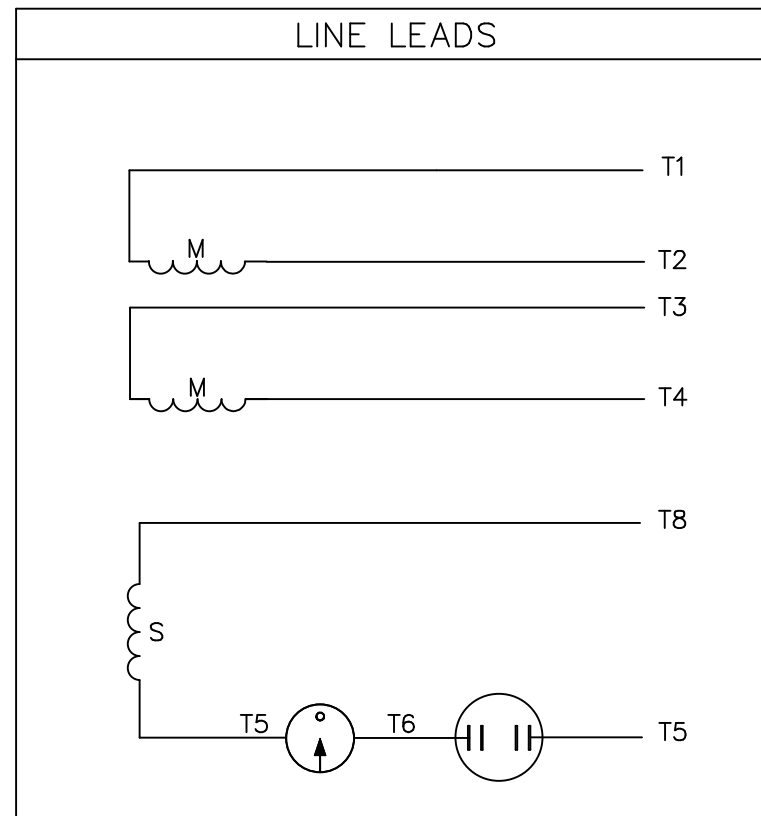
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	.92 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.93 in
Frame Length	8.00 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028897-800B	Connection Drawing	005062.01



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



\* THIS LEAD MAY BE WHITE



	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	---

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
				.X	±.1
12	ALTERNATE T5 LEAD MARKING WAS RED	RLW 8/6/02	.XX	±.01	
11	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH	.XXX	±.005
10	UPDATED TO CURRENT STANDARDS	DBT 06/09/97		.XXXX	±.0005
				ANG	±1/2°

		ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN JRW 12/05/74 CHK APPD T.E.M.
		TITLE EXT. WIRING DIAGRAM TYPE "C" W/O PROTECTOR		SCALE 1=1 REF A-005061
MAT'L. DECAL - 004012		FINISH		FMF PREV
CAD FILE 00506201		SIZE A	DRAWING NO. 005062-01	
RFP DIST NLV		REV. 12		



**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** 005062.01

**CATALOG #:** 121008.00

**OUTLINE:** 028897-800B

**MOUNTING:** F1 ONLY

**WINDING #:** C632213 FR 3 A

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	3600	3450	145TC	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	20/11.4-10	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	73	3/4 LOAD EFF:	72.9	1/2 LOAD EFF:	71	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	87	3/4 LOAD PF:	81.7	1/2 LOAD PF:	71.8	68	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	128.8 / 64.4	7.5 LB-FT 250 %	7.8 LB-FT 260 %	90

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.09 LB-FT^2	0 LB-FT^2	0 SEC.	0	46 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	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

\*  
N  
O  
T  
E  
S

<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

PHASE 1

HP 2.00

Volts

HZ

HP

Volts

HZ

HP

RPM

3450

VOLTS 115/208-230

HZ 60

HP

HP

HP

HP

HP

HP

RPM

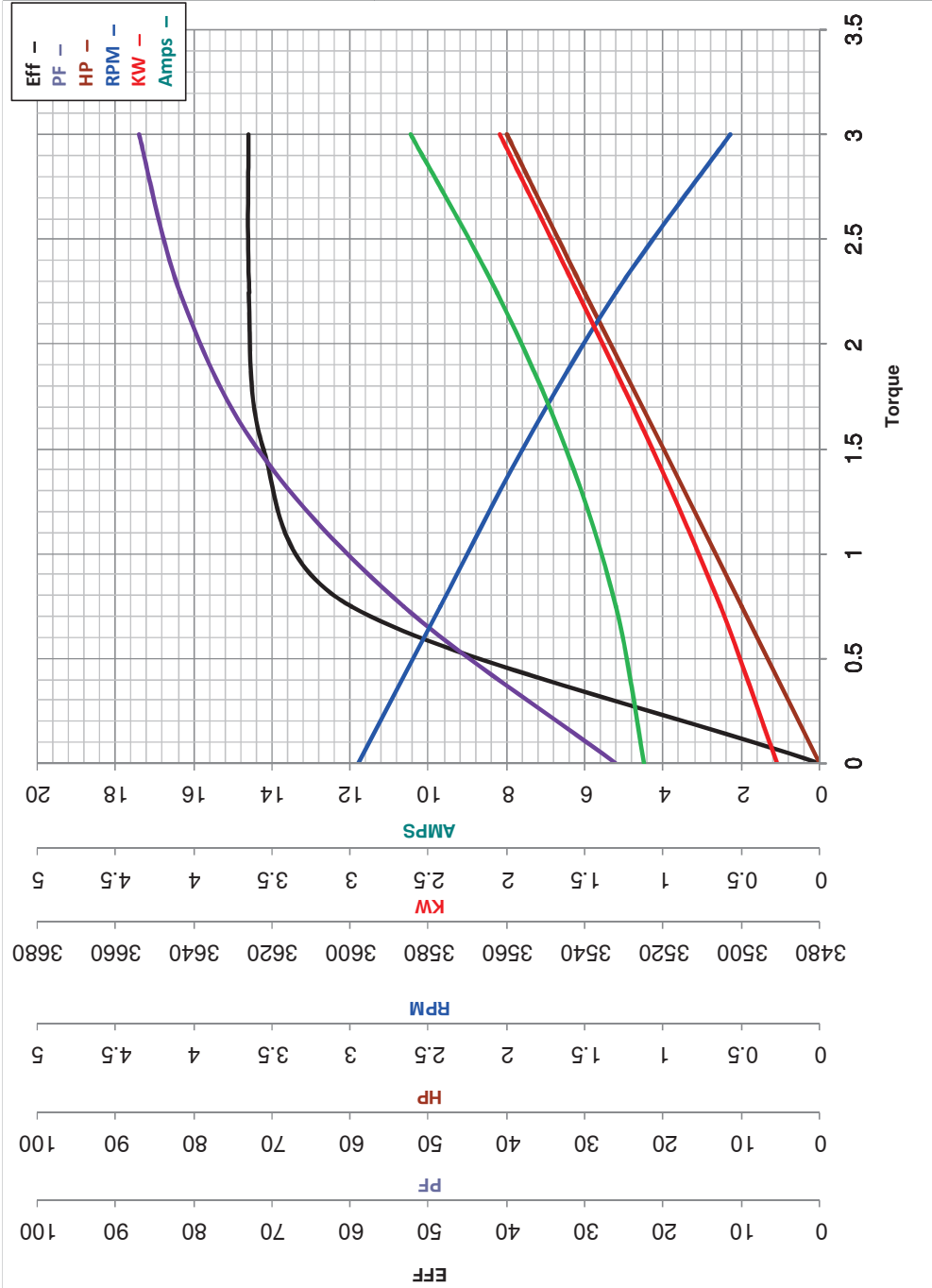
RPM

RPM



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Torque in Lb.Ft

FL TORQUE	<u>3</u>	Lb.Ft	FL AMPS	<u>20/11.4-10</u>	Lb.Ft
BD TORQUE	<u>7.8</u>	Lb.Ft	PU TORQUE	<u>7.0</u>	Lb.Ft
LR TORQUE	<u>7.5</u>	Lb.Ft	LR AMPS	<u>64.4</u>	Lb.Ft
WINDING	<u>C632213-3</u>		Date	<u>4/23/2018</u>	