

PRODUCT INFORMATION PACKET



Model No: 131516.00

Catalog No: 131516.00

2 HP General Purpose Motor, 1 phase, 1800 RPM, 115/208-230 V, 182TC Frame, TEFC
General Purpose Motors



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Nameplate Specifications

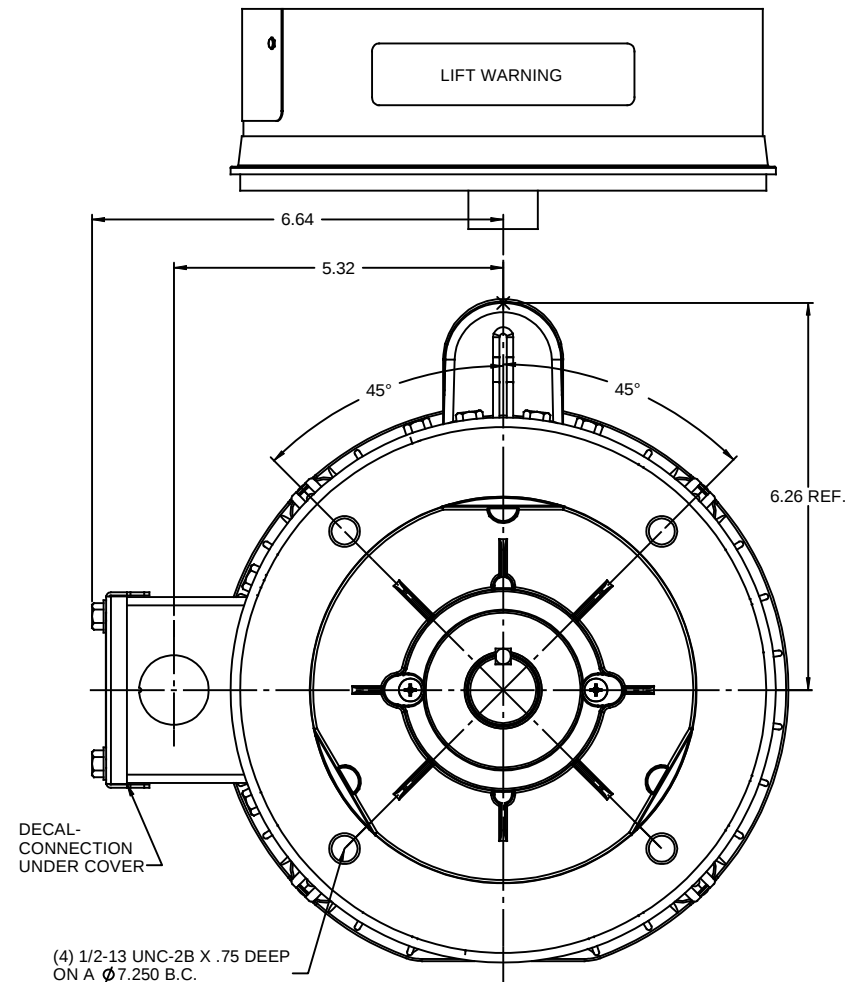
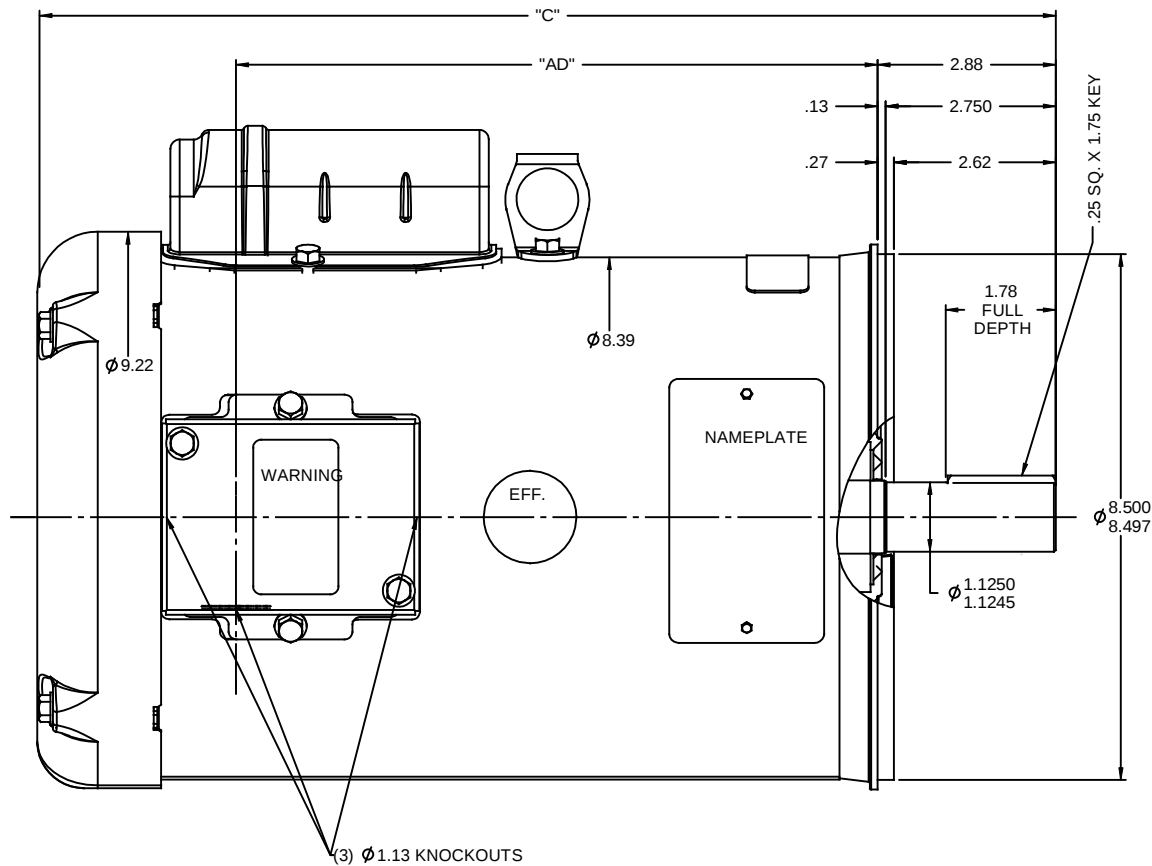
Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	24.8/13.0-12.4 A	Speed	1740 rpm
Service Factor	1	Phase	1
Efficiency	72 %	Power Factor	74.5
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	K
Frame	182TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
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	.22 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	14.44 in
Frame Length	9.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035714-900	Connection Drawing	005062.01

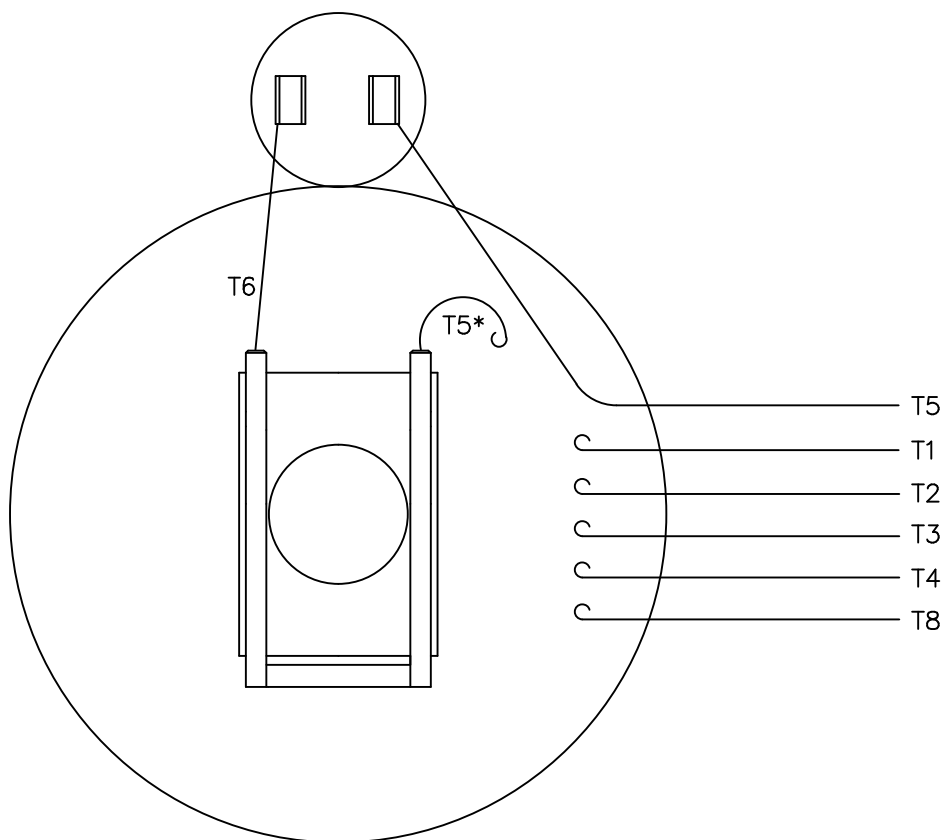
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.
 GASKETS THROUGHOUT

DASH NO.	"C"	"AD"
850	13.94	7.87
900	14.44	8.37
950	14.94	8.87
1000	15.44	9.37
1050	15.94	9.87
1100	16.44	10.37

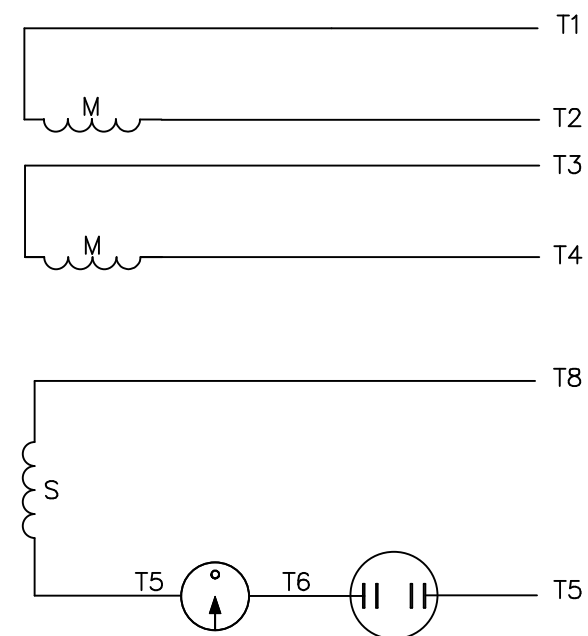


				TOLERANCES UNLESS SPECIFIED	 REGAL-BELOIT CORPORATION	DRAWN LST 2/13/09
				DEC INCHES		CHK
				X ±.1		APPR
				.XX ±.03		SCALE 1:2
				.XXX ±.005		REF
				.XXXX ±.0005	MAT'L	FMF
NO	REVISION	BY & DATE	CHK ANG ±1/2°	FINISH	PAGE OF	
	THIRD ANGLE PROJECTION		RFP	PREV	SIZE B	DRAWING NO 035714
			NETWORK FILE NAME			REV

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



* 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	---

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN JRW 12/05/74	
				DEC.	INCHES				CHK	
				.X	±.1				APPD	T.E.M.
12	ALTERNATE T5 LEAD MARKING WAS RED	RLW	8/6/02	.XX	±.01	TITLE	EXT. WIRING DIAGRAM TYPE "C" W/O PROTECTOR		SCALE 1=1	
11	ADDED ALTERNATE T5 LEAD MARKING	RLW	5/31/02	KH	.XXX				REF A-005061	
10	UPDATED TO CURRENT STANDARDS	DBT	06/09/97		.XXXX				FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	DECAL - 004012		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	00506201		SIZE	DRAWING NO.
			DIST	NLV					A	005062-01
										REV. 12



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005062.01
OUTLINE: 035714-900
WINDING #: C842 FR 3 B

CATALOG #: 131516.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1800	1740	182TC	TEFC	K	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	24.8/13-12.4	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF: 72	3/4 LOAD EFF: 69.3	1/2 LOAD EFF: 64.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF: 74.5	3/4 LOAD PF: 62.5	1/2 LOAD PF: 50.7	68	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6 LB-FT	156 / 78	20.6 LB-FT 343 %	16.1 LB-FT 268 %	110

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.306 LB-FT^2	0.3 LB-FT^2	0 SEC.	0	67 LBS.

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

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
6206	6205	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

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

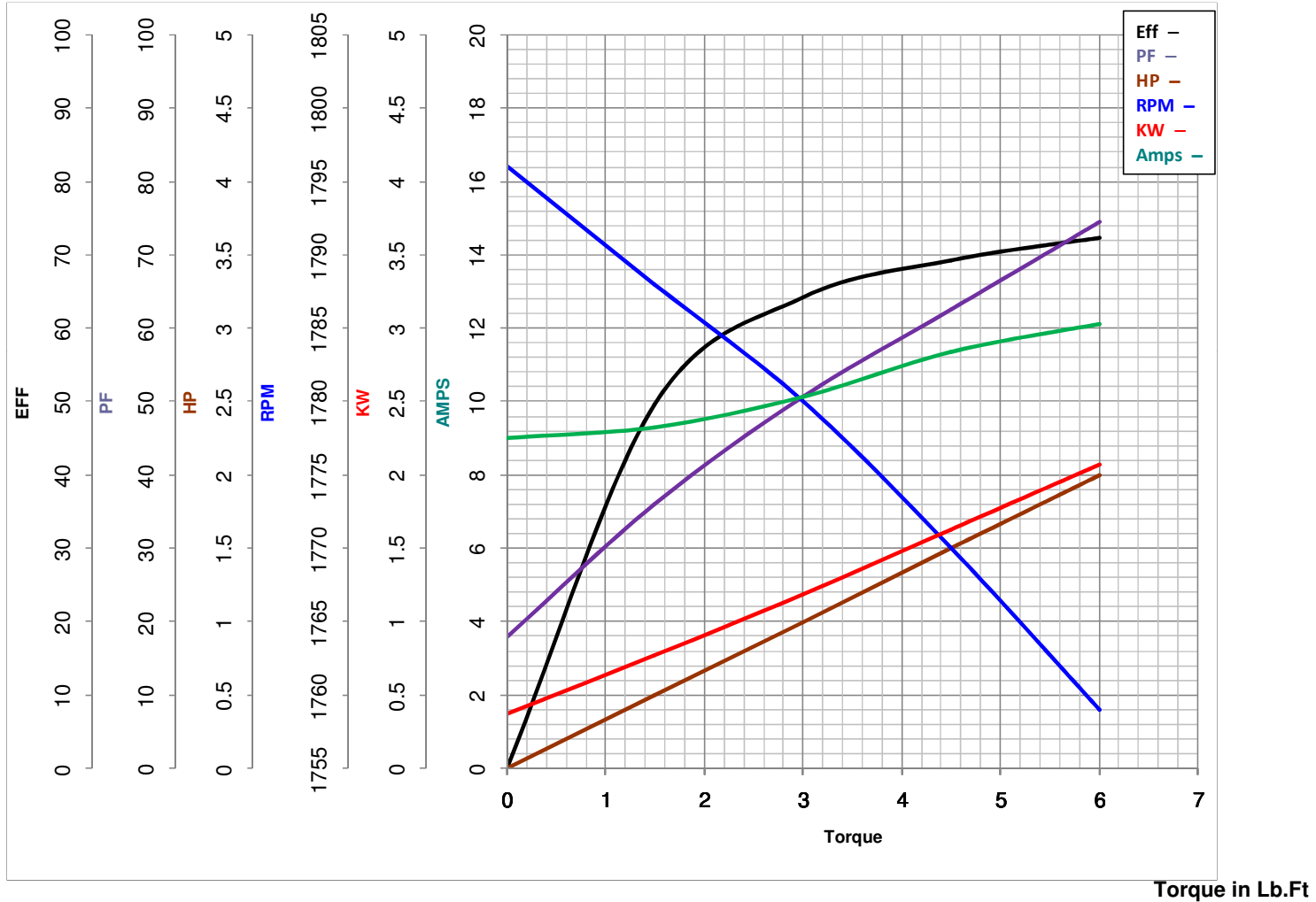
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N
O
T
E
S
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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE NONE NONE NONE NONE PPR
BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131516.00Curve at 230
60
2Volts
HZ
HPHP 2.00PHASE 1VOLTS 115/208-230Catalog No 131516.00HZ 60RPM 1740

FL TORQUE 6 Lb.Ft
 BD TORQUE 16.1 Lb.Ft
 LR TORQUE 20.6 Lb.Ft

FL AMPS 24.8/13-12.4
 PU TORQUE 15.0 Lb.Ft
 LR AMPS 78

WINDING C842-3

Date 3/16/2018