

PRODUCT INFORMATION PACKET



Model No: 120994.00

Catalog No: 120994.00

Close-Coupled Pump Motor, 1.50 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 145JM Frame, DP

Operational at 115/208-230 V @60HZ



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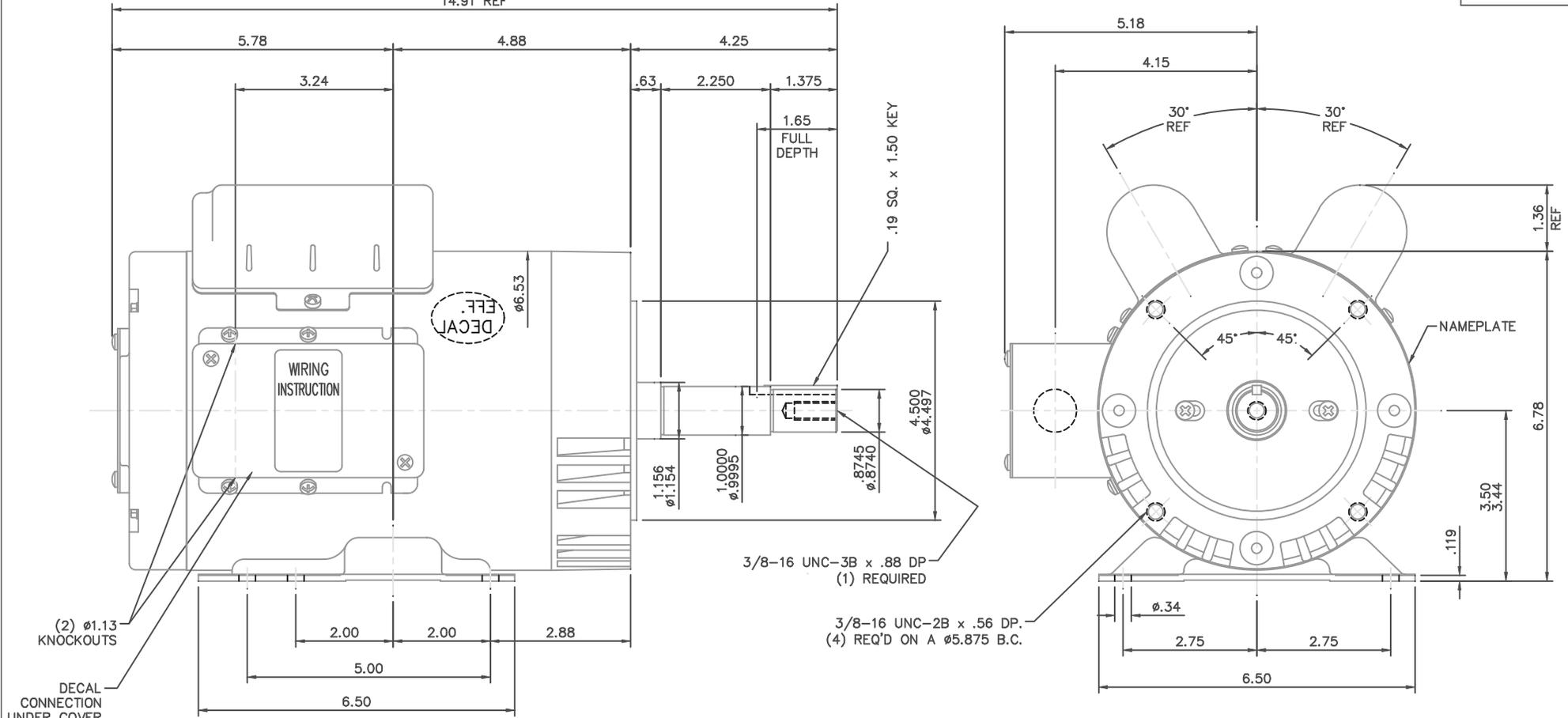


Nameplate Specifications

Phase	1	Output HP	1.50 Hp
Output KW	1.1 kW	Voltage	115/230 V
Speed	1740 rpm	Service Factor	1.15
Frame	145JM	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	79 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	17.2/8.6 A	Power Factor	73
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	J
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

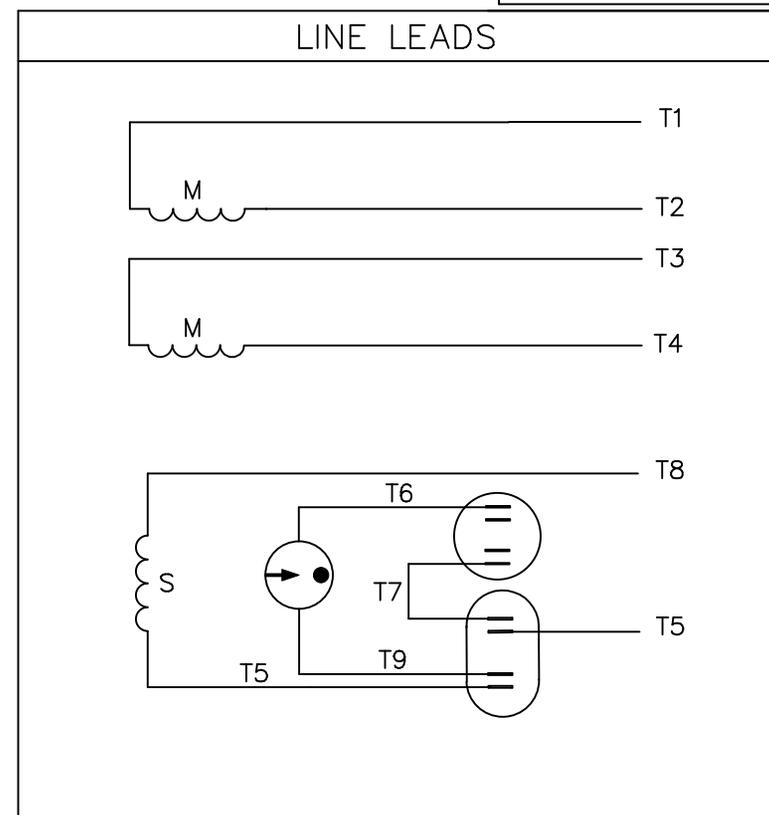
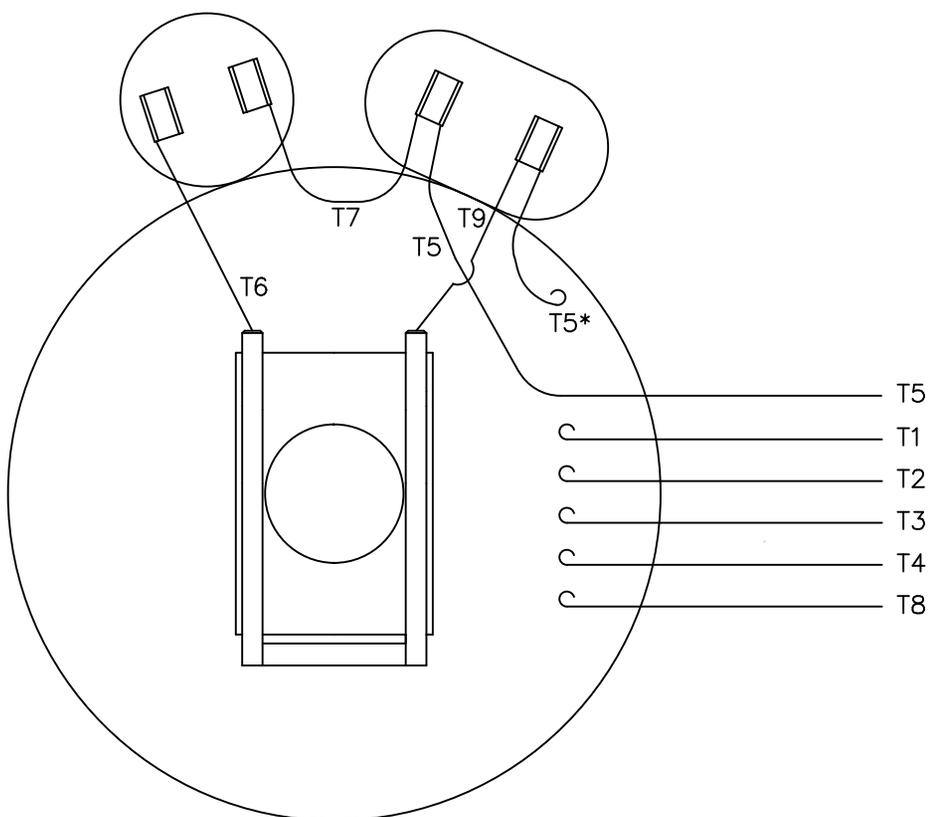
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	1.32 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	14.91 in
Frame Length	7.50 in	Shaft Diameter	0.875 in
Shaft Extension	4.21 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005054.01	Outline Drawing	OL120994



MAXIMUM FACE RUNOUT .004 TIR
 MAXIMUM PILOT ECCENTRICITY .004 TIR
 PERMISSIBLE SHAFT RUNOUT TO BE .002 TIR
 TAPPED HOLE IN SHAFT ±.003 CENTERLINE OF SHAFT

				TOLERANCES UNLESS OTHERWISE SPECIFIED			LEESON ELECTRIC CORPORATION			
				DEC.	INCHES	METRIC				
				.X	±.1	±2.5	DRAWN	BPW 12/16/99	TITLE	OUTLINE -- 143JM FRAME
02	ADDED DECALS	RLW 8/2/01		.XX	±.03	±.76	APPR.	GS 1/4/00	OPEN DRIP PROOF -- RIGID "C" FACE	
01	REDRAWN, RMV'D DRIP COVER PER ECO #01-815	KMM 6/19/01	RDW	.XXX	±.005	±.127	R.F.P.	MAT'L.		
NO.	REVISION	BY & DATE	CH'K'D.	.XXXX	±.0005	±.0127	SCALE	1=2		
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.				FRACTIONS	±1/64	REF.	034058	FINISH	REV.	DRAWING NO.
				ANGLES	±1/2°	FMF	120994.00	STANDARD	02	OL120994

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



	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	

* THIS LEAD MAY BE WHITE

		TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN JRW 09/27/74			
		DEC.	INCHES			CHK	TEM		
		.X	±.1			APPD	10/11/74		
11	ALTERNATE T5 LEAD MARKING WAS RED	RLW	8/6/02	.XX	±.01	SCALE	1=1		
10	ADDED ALTERNATE T5 LEAD MARKING	RLW	6/5/02	KH	.XXX ±.005	REF	A-005053		
09	REDRAWN TO CAD	DBT	05/28/97		.XXXX ±.0005	FMF	W-K6343		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	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	00505401	SIZE	DRAWING NO.	REV.
				DIST	BRF-NLV		A	005054-01	11



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005054.01

CATALOG #: 120994.00

OUTLINE: OL120994

MOUNTING: F1 ONLY

WINDING #: K634119 DR 3 C

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	1800	1740	145JM	DP	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	17.2/8.8-8.6	ACROSS THE LINE	CONTINUOUS	B4	1.15	40

FULL LOAD EFF:	79	3/4 LOAD EFF:	78.7	1/2 LOAD EFF:	75.8	GTD. EFF	75.5	ELEC. TYPE	CAP START CAP RUN
FULL LOAD PF:	73	3/4 LOAD PF:	65.8	1/2 LOAD PF:	53.2				

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.48 LB-FT	100 / 50	13 LB-FT 289 %	10.7 LB-FT 238 %	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	0.135 LB-FT^2	0.1 LB-FT^2	10 SEC.	0	48 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	JM	VERIFY	VERIFY	1144 STRESSPROOF (C-223)	ROLLED STEEL
6206	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

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



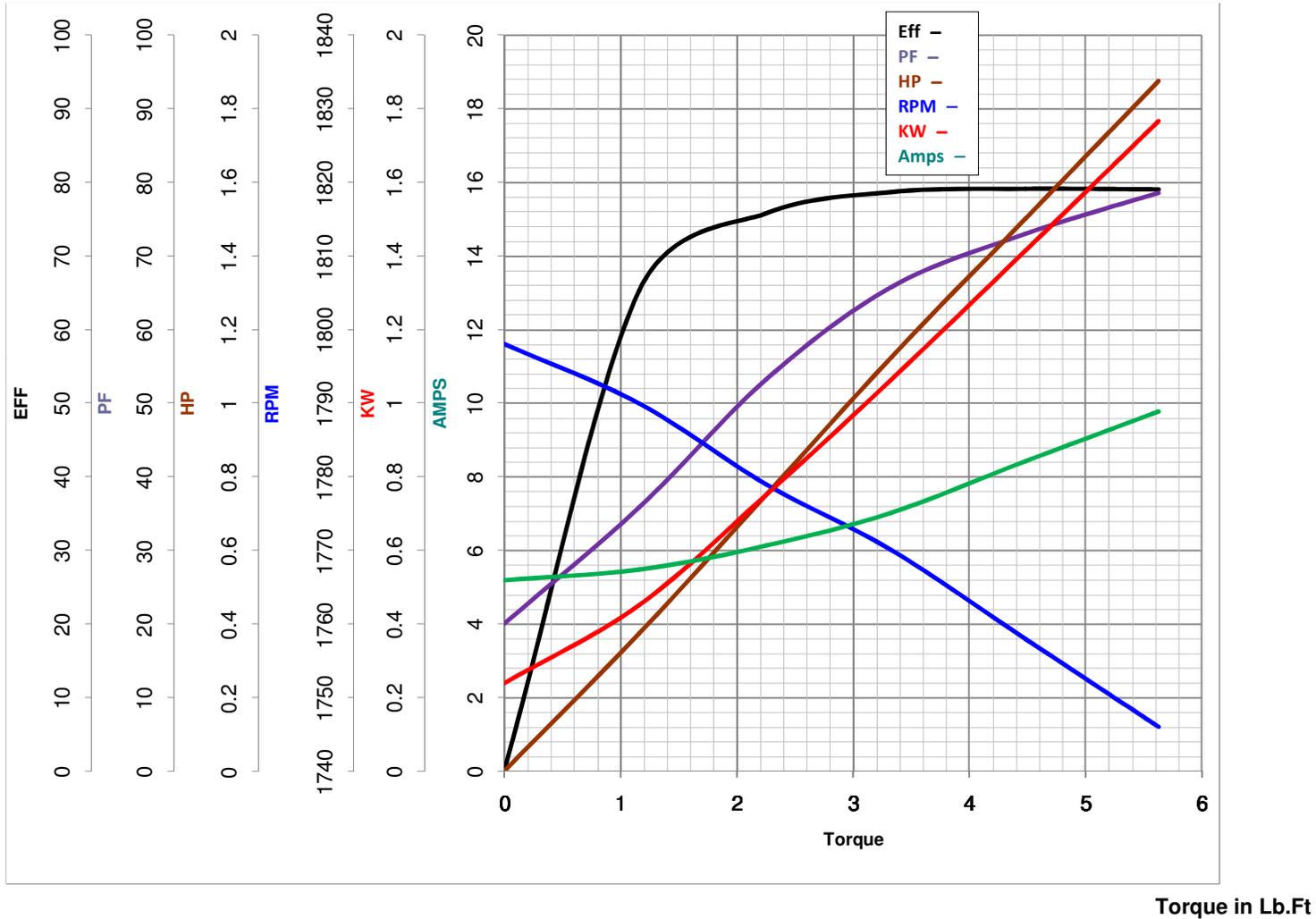
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 120994.00

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

Catalog No 120994.00

HZ 60 RPM 1740



FL TORQUE 4.48 Lb.Ft
 BD TORQUE 10.7 Lb.Ft
 LR TORQUE 13 Lb.Ft

FL AMPS 17.2/8.8-8.6
 PU TORQUE 9.3 Lb.Ft
 LR AMPS 50

WINDING K634119-3

Date 3/21/2018