

PRODUCT INFORMATION PACKET



Model No: 131622.00
Catalog No: 131622.00
Air Compressor Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 184T Frame, DP



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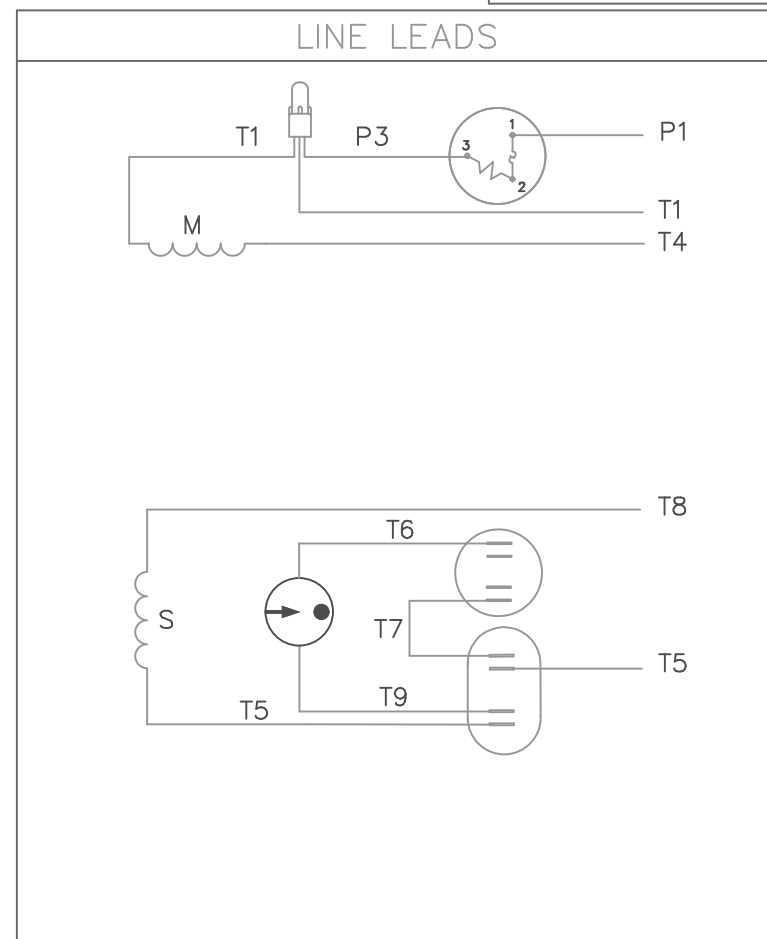
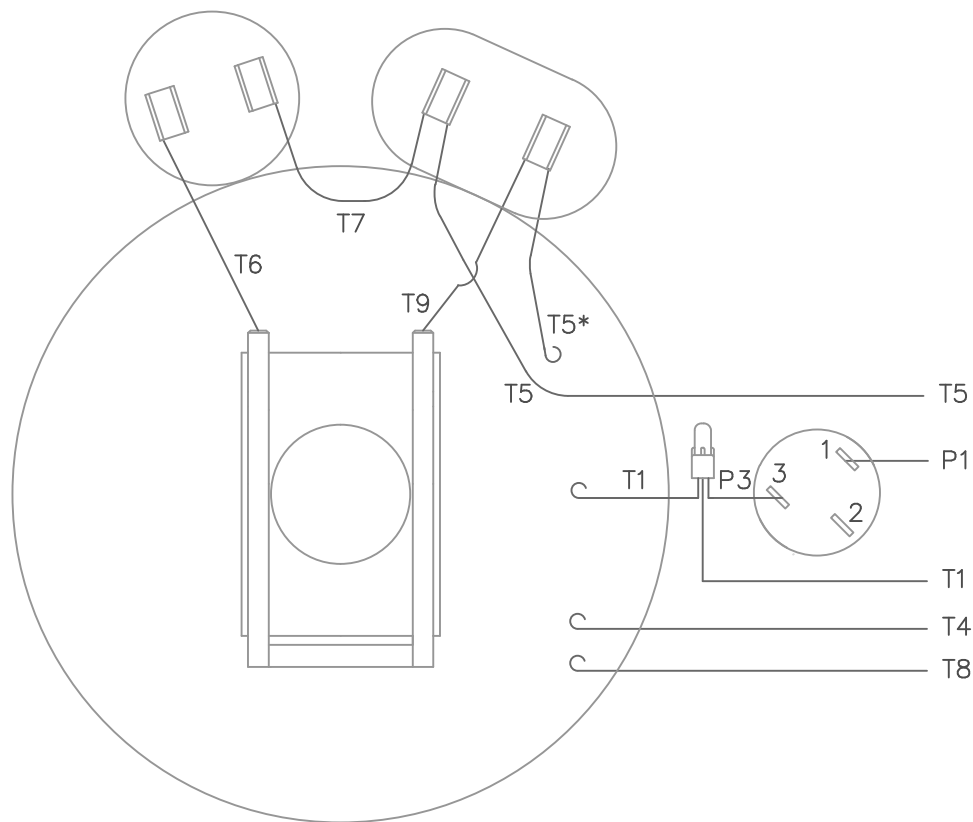
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	208-230 V
Current	23.0-21.0 A	Speed	1740 rpm
Service Factor	1.15	Phase	1
Efficiency	83 %	Power Factor	94
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
Frame	184T	Enclosure	Drip Proof
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
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	.48 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	14.69 in
Frame Length	10.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005056.03	Outline Drawing	035372-1050

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ROTATION FACING LEAD END	L1	L2	JOIN
C.C.W.	P1	T4, T5	T1, T8
C.W.	P1	T4, T8	T1, T5

* THIS LEAD MAY BE WHITE

			TOLERANCES UNLESS SPECIFIED		LEESON	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	1=1	
07	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH	.XXX	MAT'L.	DECAL - 004015	REF		
06	REDRAWN TO CAD	DBT 5/31/02		.XXXX	FINISH		FMF	6K17FB4	
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		00505603	SIZE	DRAWING NO.	REV.
			DIST	BRF-NLV			A	005056-03	08



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005056.03

CATALOG #: 131622.00

OUTLINE: 035372-1050

MOUNTING: F1 ONLY

WINDING #: K8450 DR 2 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	1800	1740	184T	DP	H	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	208-230	23-21	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	83	3/4 LOAD EFF:	81.9	1/2 LOAD EFF:	77.2	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	94	3/4 LOAD PF:	93.5	1/2 LOAD PF:	89.6	80		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	138	41.1 LB-FT 242 %	32.5 LB-FT 191 %	72

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.46 LB-FT^2	0.5 LB-FT^2	10 SEC.	0	85 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	AISI 1045 (C-240)	ROLLED STEEL
6206	6205						

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



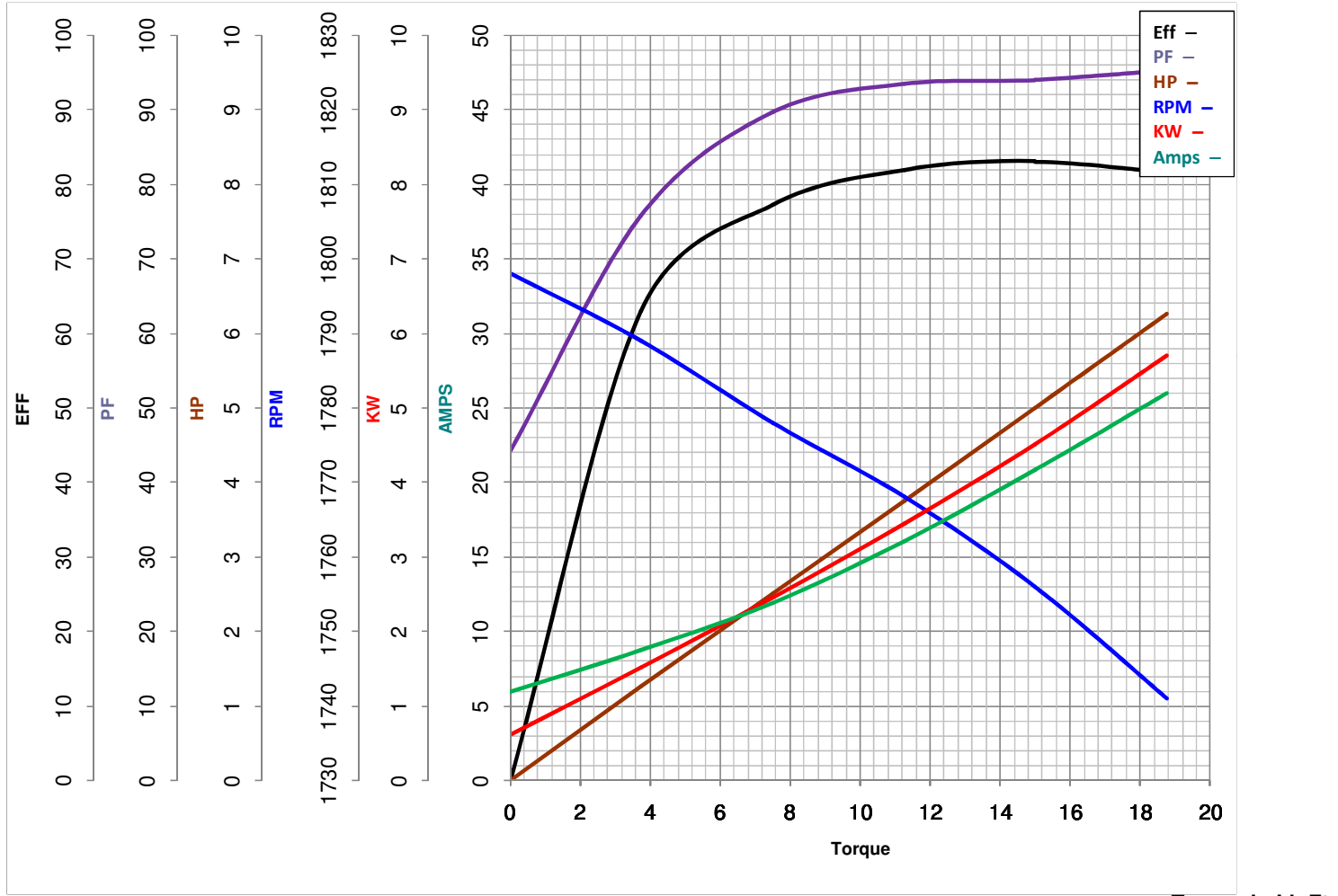
LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131622.00

Catalog No 131622.00

Curve at 230 Volts HP 5.00 PHASE 1
60 HZ
5 HP VOLTS 208-230

HZ 60 RPM 1740



Torque in Lb.Ft

FL TORQUE 15 Lb.Ft
BD TORQUE 32.5 Lb.Ft
LR TORQUE 41.1 Lb.Ft

FL AMPS 23-21
PU TORQUE 28.9 Lb.Ft
LR AMPS 138

WINDING K8450-2 Date 7/16/2018