

# 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

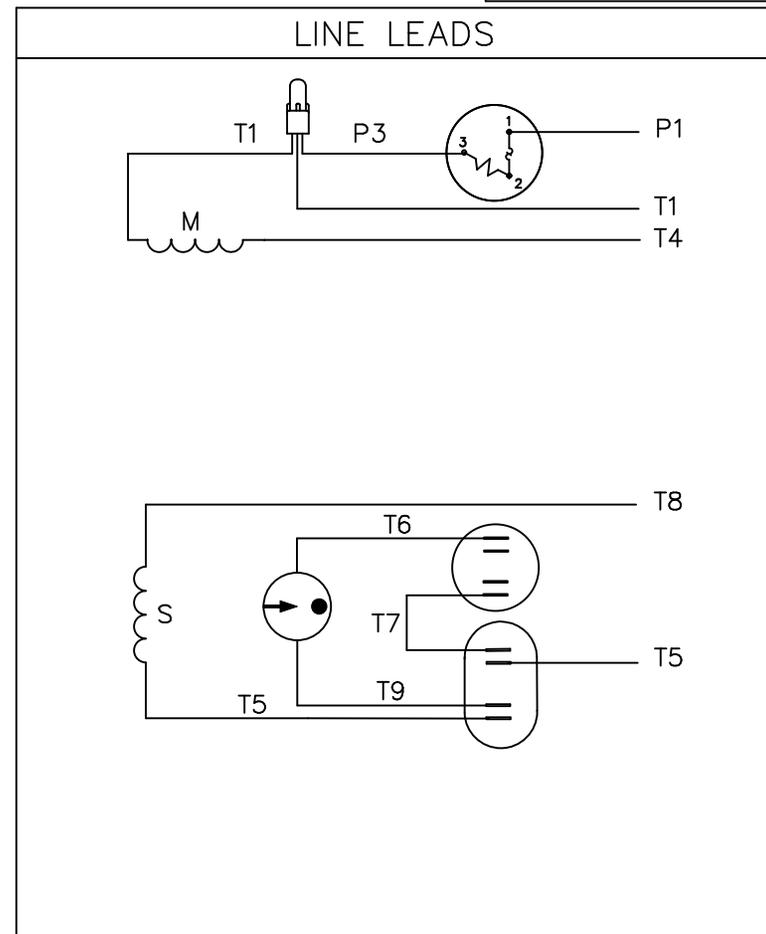
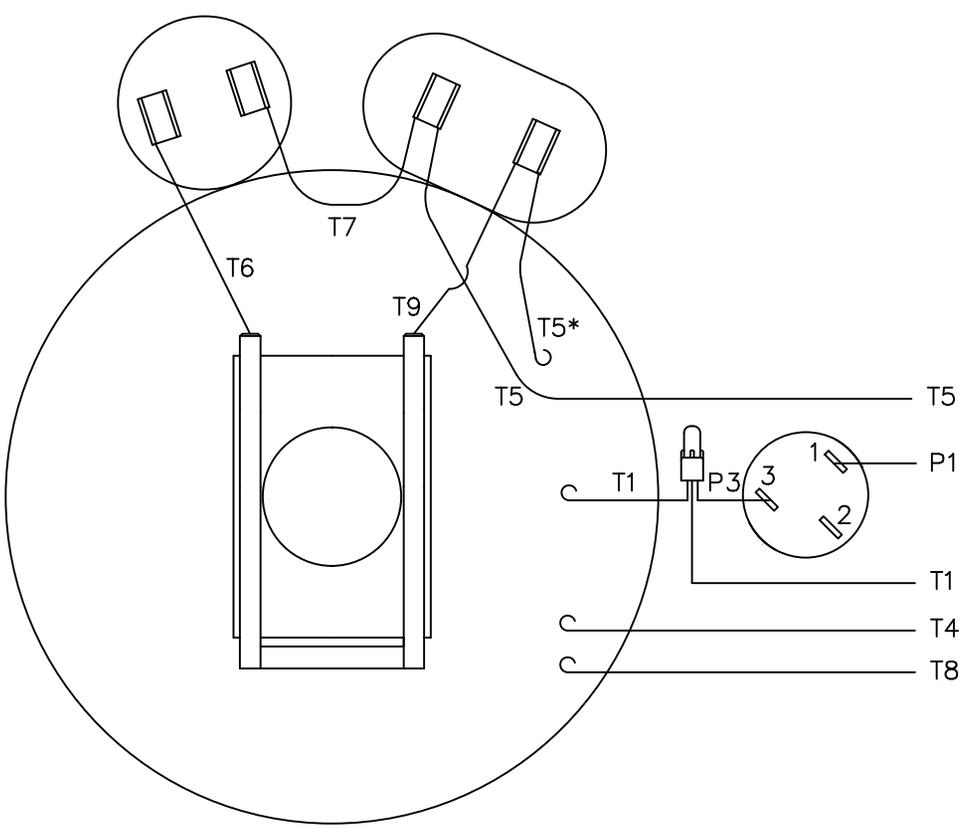
Phase	1	Output HP	5 Hp
Output KW	3.7 kW	Voltage	208-230 V
Speed	1740 rpm	Service Factor	1.15
Frame	184T	Enclosure	Drip Proof
Thermal Protection	Manual	Efficiency	83 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	23.0-21.0 A	Power Factor	94
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
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	
				DEC.	INCHES
				.X	±.1
				.XX	±.01
				.XXX	±.005
				.XXXX	±.0005
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°

		DRAWN	LST 9/9/03
		CHK	KH 9/9/03
TITLE EXTERNAL WIRING DIAGRAM TYPE "K" W/ PROTECTOR		APPD	
		SCALE	1=1
MAT'L. DECAL - 004015		REF	
		FMF	139045
FINISH CAD FILE 00505603ME		PREV	
		SIZE	DRAWING NO.

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RFP	CAD FILE	00505603ME	SIZE	DRAWING NO.	REV.
DIST	BRF-NLV		A	005056-03ME	



**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

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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



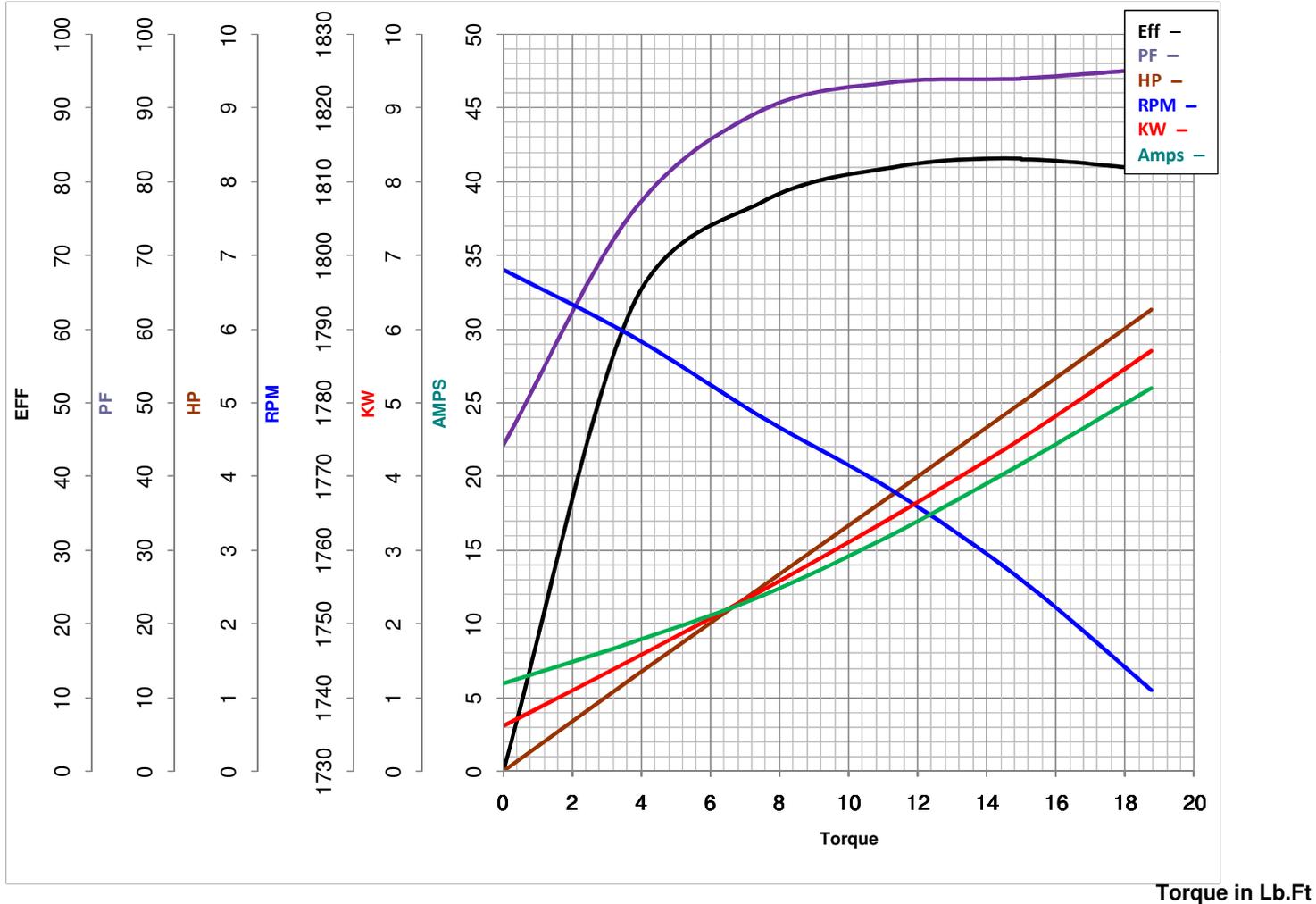
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

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



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