

# PRODUCT INFORMATION PACKET



Model No: 131631.00

Catalog No: 131631.00

General Purpose Motor, 3 HP, 1 Ph, 60 Hz, 115/208-230 V, 1800 RPM, 184TC Frame, TEFC



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### Nameplate Specifications

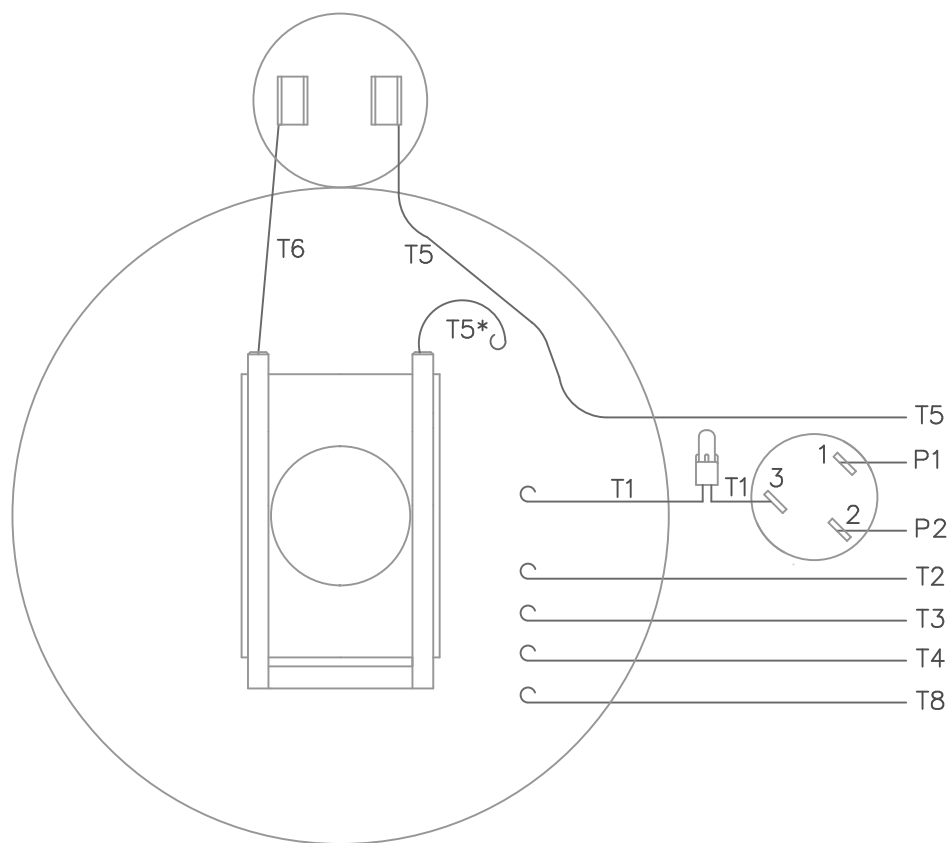
Output HP	<b>3 Hp</b>	Output KW	<b>2.2 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/208-230 V</b>
Current	<b>33.6/18.0-16.8 A</b>	Speed	<b>1740 rpm</b>
Service Factor	<b>1</b>	Phase	<b>1</b>
Efficiency	<b>77 %</b>	Power Factor	<b>75</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>L</b>	KVA Code	<b>J</b>
Frame	<b>184TC</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>Manual</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6206</b>	Opp Drive End Bearing Size	<b>6205</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

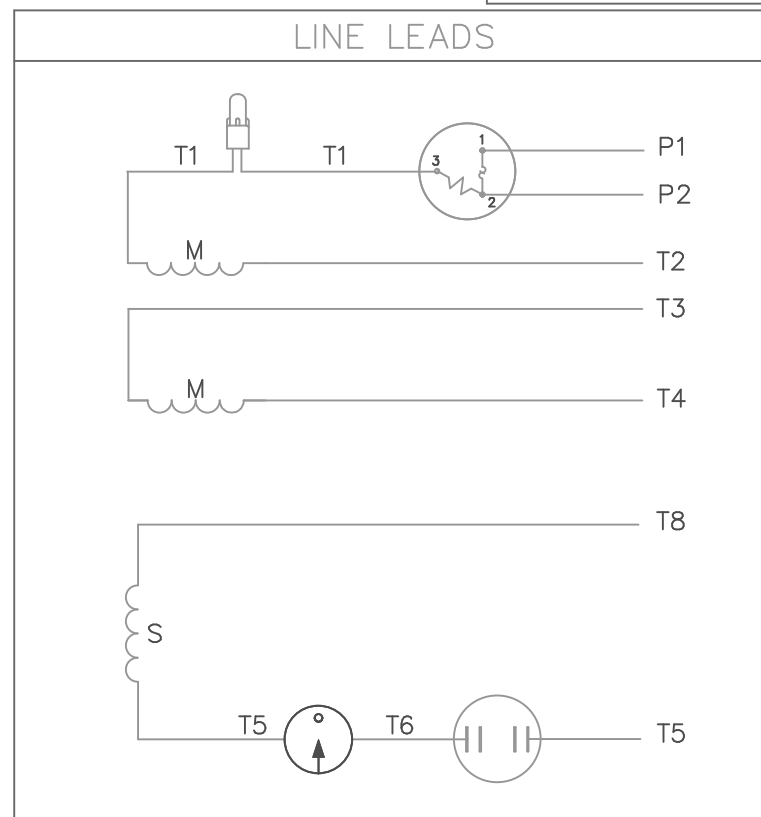
Electrical Type	<b>Capacitor Start Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Selective Counterclockwise</b>
Resistance Main	<b>.642 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>T</b>	Overall Length	<b>16.47 in</b>
Frame Length	<b>11.00 in</b>	Shaft Diameter	<b>1.125 in</b>
Shaft Extension	<b>2.75 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>035381-1100</b>	Connection Drawing	<b>005067.02</b>



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



\* THIS LEAD MAY BE WHITE



	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.C.W.	P1	T4 T5	T2,T3 T8	P2
	C.W.	P1	T4 T8	T2,T3 T5	P2
LOW VOLT	C.C.W.	P1	T2,T4 T5	P2,T3 T8	
	C.W.	P1	T2,T4 T8	P2,T3 T5	

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		FINISH
				DEC.	INCHES	
05	ALTERNATE T5 LEAD MARKING WAS RED	RLW 8/6/02		.X	±.1	
04	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH	.XX	±.01	
03	DECAL WAS 004015	DBT 12/23/97		.XXX	±.005	
02	REDRAWN ON CAD	DBT 05/29/97		.XXXX	±.0005	
				ANG	±1/2'	



ELECTRIC MOTORS  
GEARMOTORS  
AND DRIVES

DRAWN WLW 09/01/76

CHK

APPD

TITLE  
EXT. WIRING DIAGRAM  
TYPE "C" W/ PROTECTOR

SCALE 1=1

REF

MAT'L. DECAL - 004011

FMF

FINISH

PREV

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RFP

CAD FILE 00506702

SIZE DRAWING NO.

DIST NLV

A 005067-02

REV.

05



**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** 005067.02

**CATALOG #:** 131631.00

**OUTLINE:** 035381-1100

**MOUNTING:** F1 ONLY

**WINDING #:** C8427 FR 3 A

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	1800	1740	184TC	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	33.6/18-16.8	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	77	3/4 LOAD EFF:	74.2	1/2 LOAD EFF:	70.9	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	75	3/4 LOAD PF:	72.5	1/2 LOAD PF:	61.7	74	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9 LB-FT	200 / 100	24 LB-FT 267 %	19.5 LB-FT 217 %	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.51 LB-FT^2	0.5 LB-FT^2	0 SEC.	0	87 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	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

<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



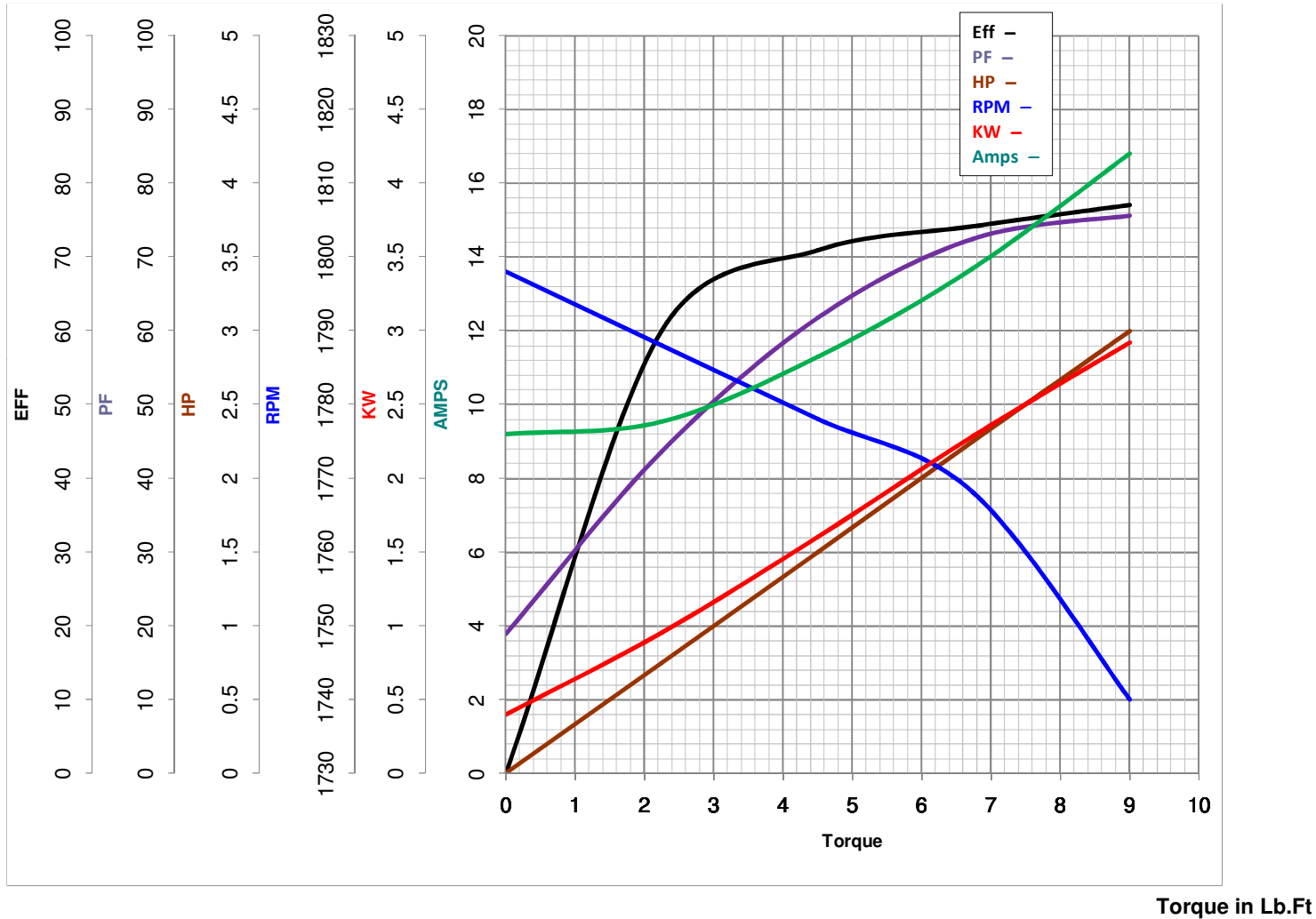
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131631.00

Catalog No 131631.00

Curve at 230 Volts      HP 3.00      PHASE 1  
60 HZ  
3 HP      VOLTS 115/208-230

HZ 60      RPM 1740



FL TORQUE 9 Lb.Ft  
 BD TORQUE 19.5 Lb.Ft  
 LR TORQUE 24 Lb.Ft

FL AMPS 33.6/16.8  
 PU TORQUE 17.6 Lb.Ft  
 LR AMPS 100

WINDING C8427-3

Date 7/17/2018