

PRODUCT INFORMATION PACKET



Model No: 131629.00

Catalog No: 131629.00

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



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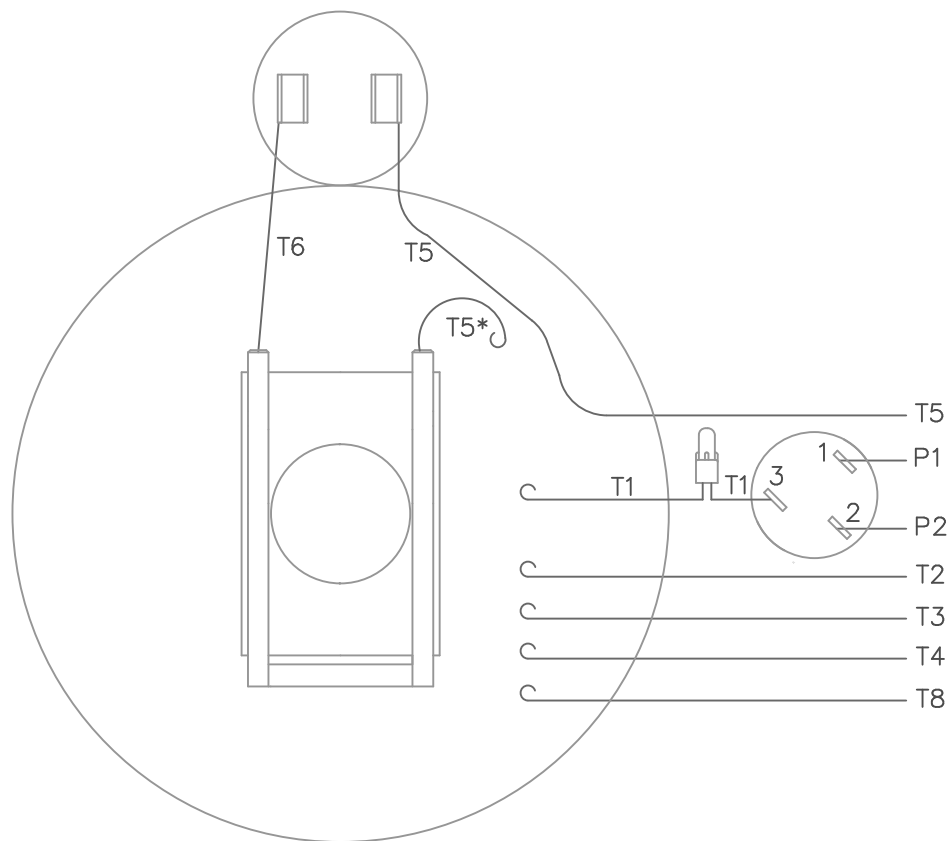
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	115/230 V
Current	33.8/16.9 A	Speed	1740 rpm
Service Factor	1.15	Phase	1
Efficiency	75.5 %	Power Factor	76
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	J
Frame	184TC	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		

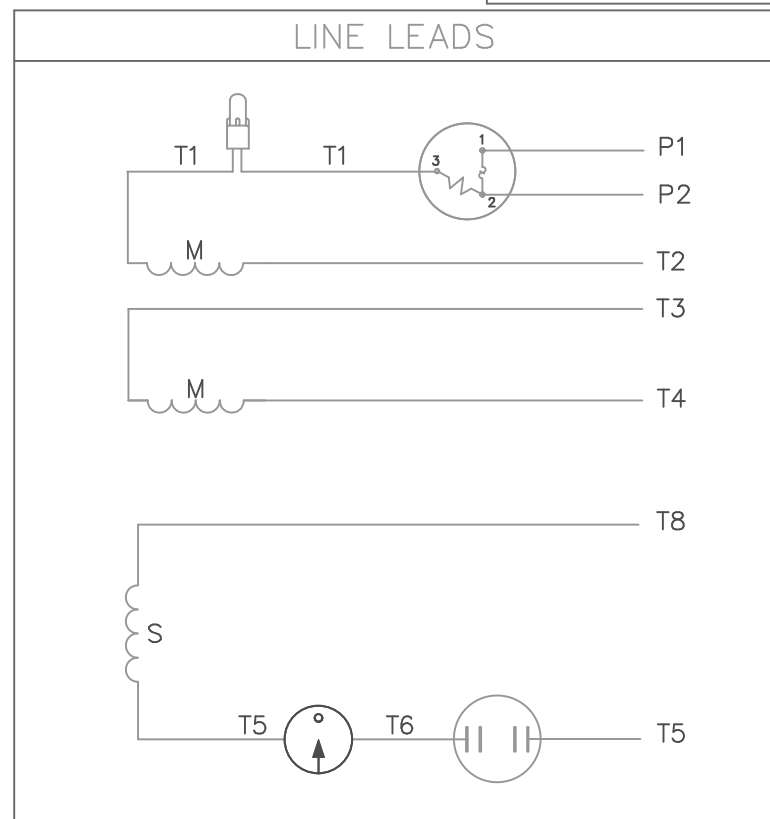
Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.744 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	14.20 in
Frame Length	10.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035373-1000	Connection Drawing	005067.02

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	
				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	
SCALE	1=1
REF	
FMF	
PREV	

TITLE	EXT. WIRING DIAGRAM TYPE "C" W/ PROTECTOR
MAT'L.	DECAL - 004011
FINISH	

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	00506702	SIZE	DRAWING NO.	REV.
		DIST	NLV		A	005067-02	05



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005067.02

CATALOG #: 131629.00

OUTLINE: 035373-1000

MOUNTING: F1 ONLY

WINDING #: C8428 3 A

TYPICAL MOTOR PERFORMANCE DATA

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

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	33.8/16.9	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	75.5	3/4 LOAD EFF:	75.5	1/2 LOAD EFF:	74.2	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	76	3/4 LOAD PF:	73	1/2 LOAD PF:	71.3	72		CAP START IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9 LB-FT	181.2 / 90.6	24.6 LB-FT 273 %	18.4 LB-FT 204 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	1 LB-FT^2	0.4 LB-FT^2	10 SEC.	0	0 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

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



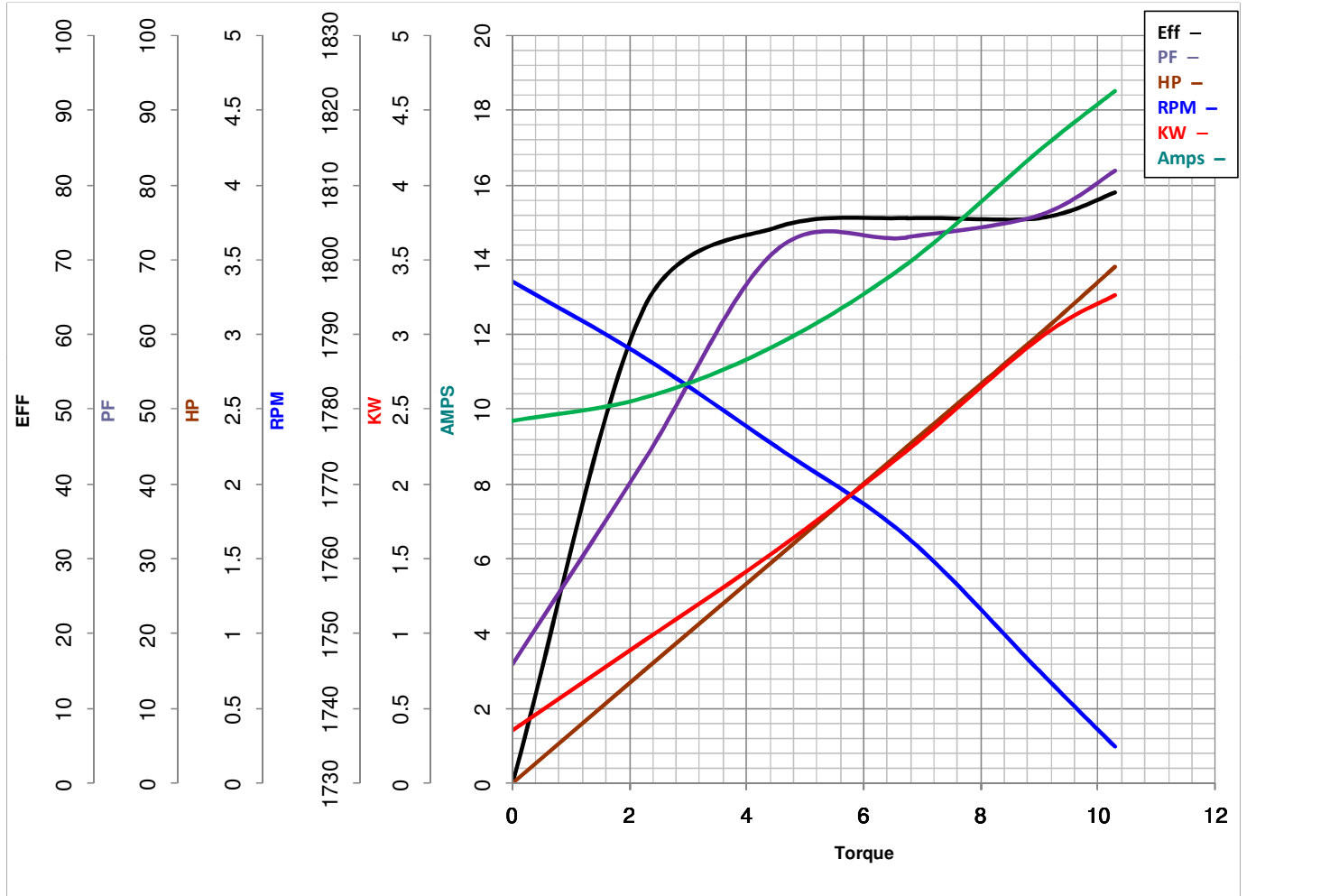
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131629.00

Catalog No 131629.00

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

HZ 60 RPM 1740



Torque in Lb.Ft

FL TORQUE 9 Lb.Ft
 BD TORQUE 18.4 Lb.Ft
 LR TORQUE 24.6 Lb.Ft

FL AMPS 33.8/16.9
 PU TORQUE 17.5 Lb.Ft
 LR AMPS 90.6

WINDING C8428-3

Date 4/19/2018