

PRODUCT INFORMATION PACKET



Model No: 131561.00
Catalog No: 131561.00
General Purpose Motor, 3 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 184T Frame, DP



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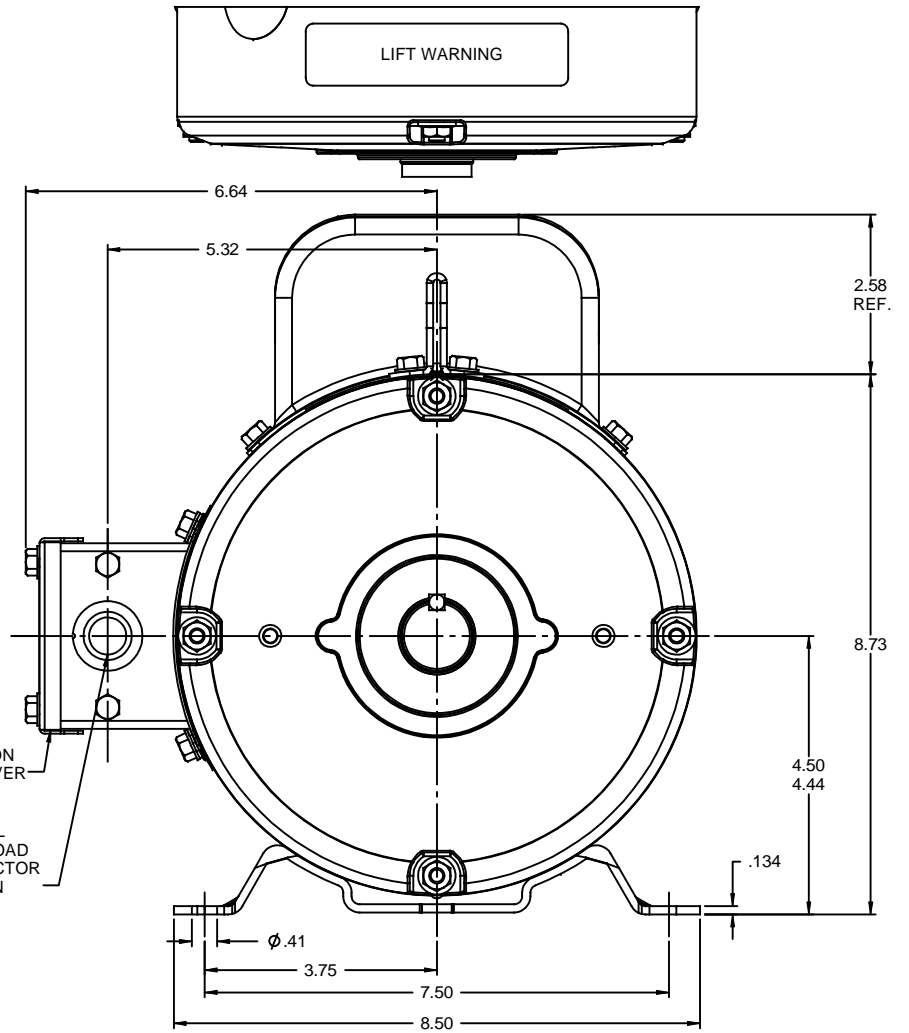
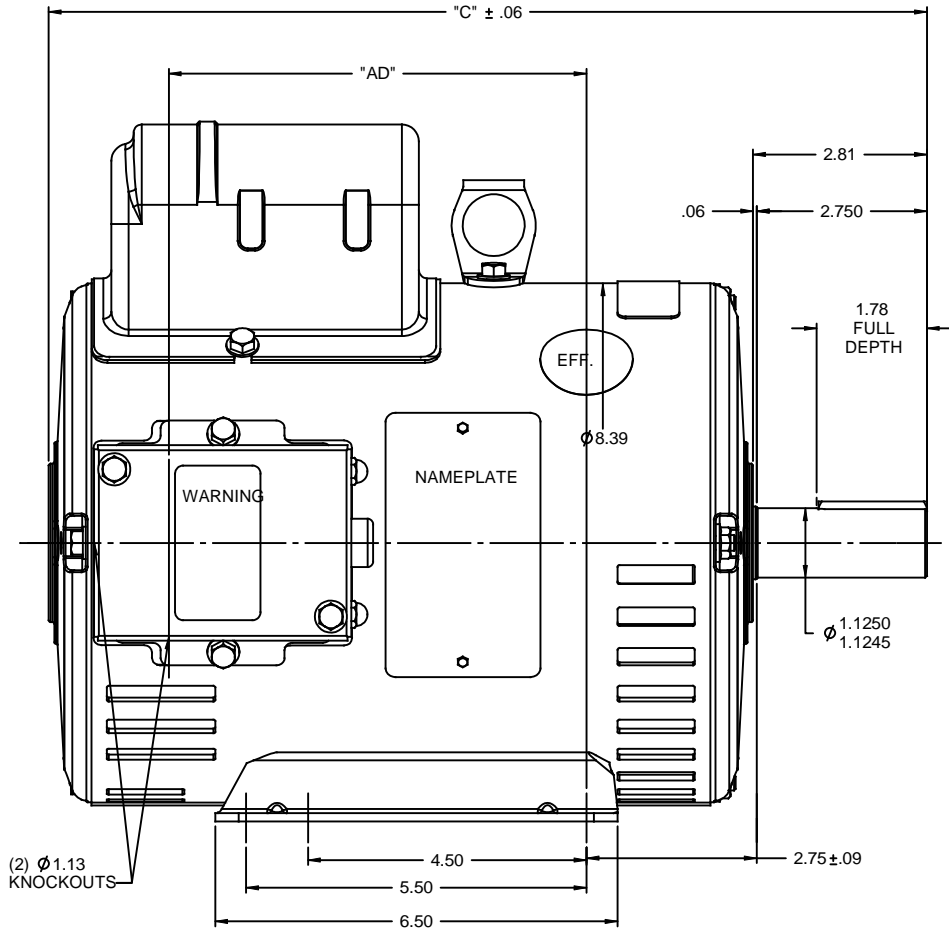
Nameplate Specifications

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	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 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	14.19 in
Frame Length	10.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035372-1000	Connection Drawing	005067.02

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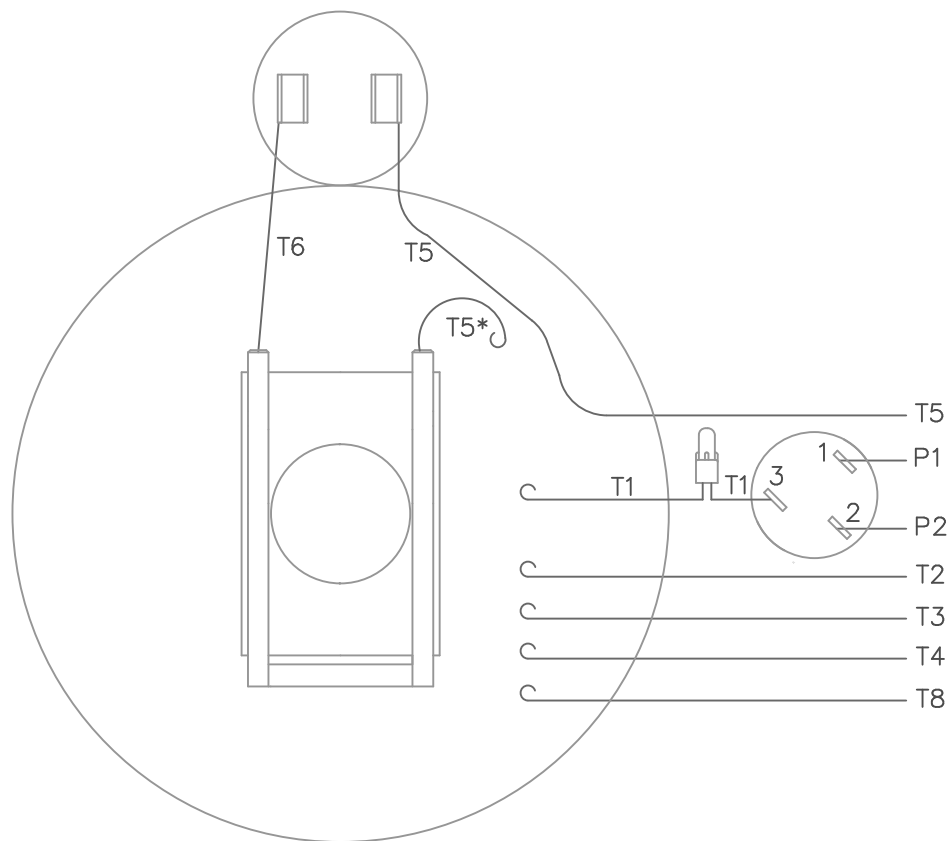


GASKETS THROUGHOUT

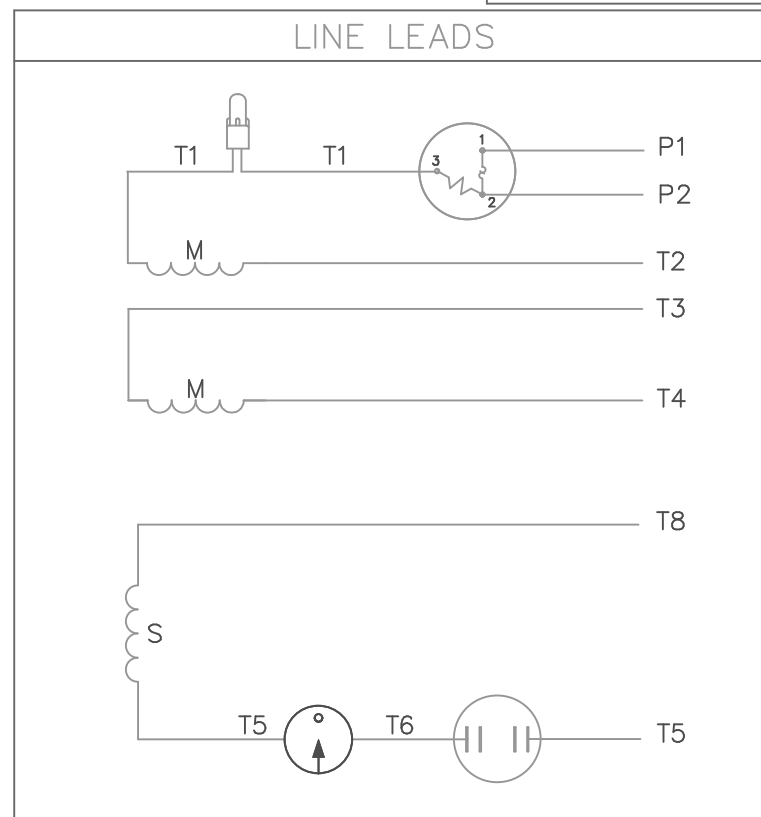
DASH NO.	"C"	"AD"
950	13.69	6.25
1000	14.19	6.75
1050	14.69	7.25
1100	15.19	7.75
1150	15.69	8.25
1200	16.19	8.75
1250	16.69	9.25

REVISION		BY & DATE	CHK	ANG	FINISH	SIZE	DRAWING NO	REV
- UPDATED & REDRAWN ON SOLIDWORKS		LST 11/16/2009	XX	XXX	±.0005			
REVISION		BY & DATE	CHK	ANG	FINISH	SIZE	DRAWING NO	REV
			RFP		PREV	B	035372	-
THIRD ANGLE PROJECTION		TOLERANCES UNLESS SPECIFIED		TITLE		DRAWN PG 10/2/97		
		DEC INCHES		REGAL BELOIT CORPORATION		CHK		
		X ±.1		OUTLINE - 180T FRAME		APPR PG 10/2/97		
		.XX ±.03		DRIP PROOF - RIGID MOUNT - 1 PH		SCALE 1:2		
		.XXX ±.005		MAT'L		REF		
		- .XXX ±.0005		FINISH		PAGE OF		
		NO		RFP		REV		
				NETWORK FILE NAME				

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	
SCALE	1=1
REF	
FMF	
PREV	

TITLE	EXT. WIRING DIAGRAM TYPE "C" W/ PROTECTOR
MAT'L.	DECAL - 004011
CAD FILE	00506702
SIZE	A
DRAWING NO.	005067-02
REV.	05



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

CERTIFICATION DATA SHEET

CATALOG #: 131561.00

CONN. DIAGRAM: 005067.02

OUTLINE: 035372-1000

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	184T	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	79 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



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

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: 005067.02
OUTLINE: 035372-1000
WINDING #: C8428 3 A

CUSTOMER PO#:
CATALOG #:
CUSTOMER PART #:
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

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

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FULL LOAD PF:	76	3/4 LOAD PF:	73	1/2 LOAD PF:	71.3	0	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9 LB-FT	192 / 96	24.6 LB-FT 273 %	21 LB-FT 233 %	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 LB-FT^2	10 SEC.	0	0 LBS.

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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
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S
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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

PREPARED BY: Dinesh
Suddula **DATE:**
02/22/2019 03:21:52 AM
FORM 3531 REV.3 02/07/99
** Subject to change without
notice.



LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

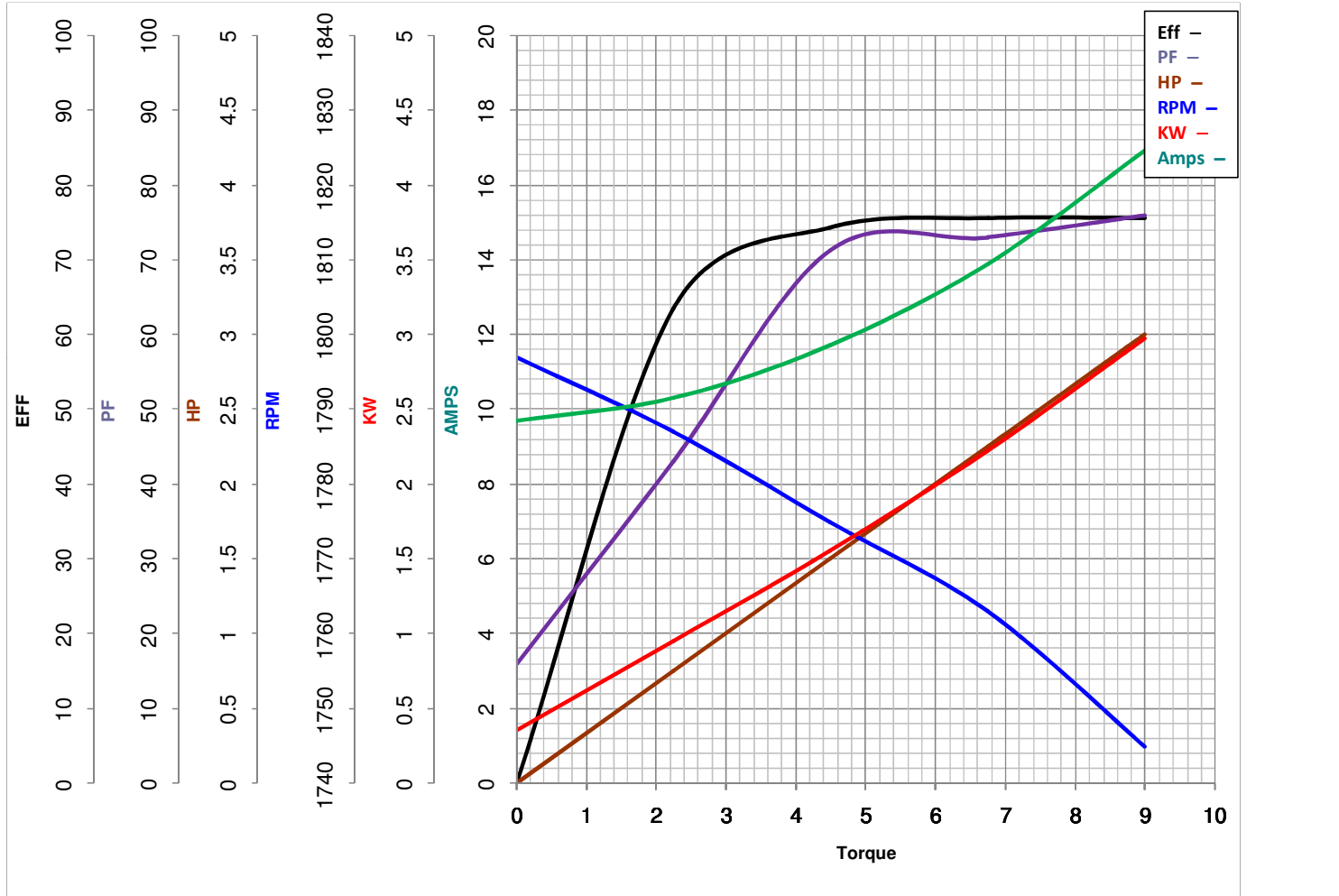
Curve at 230 Volts HP 3.00 PHASE 1
60 HZ
3 HP VOLTS 115/230

Model No 131561.00

Catalog No 131561.00

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 3/16/2018