

PRODUCT INFORMATION PACKET

Model No: 184TCFW9057

Catalog No: Z113A

General Purpose Farm Duty Motor, 3 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 184T Frame, TEFC



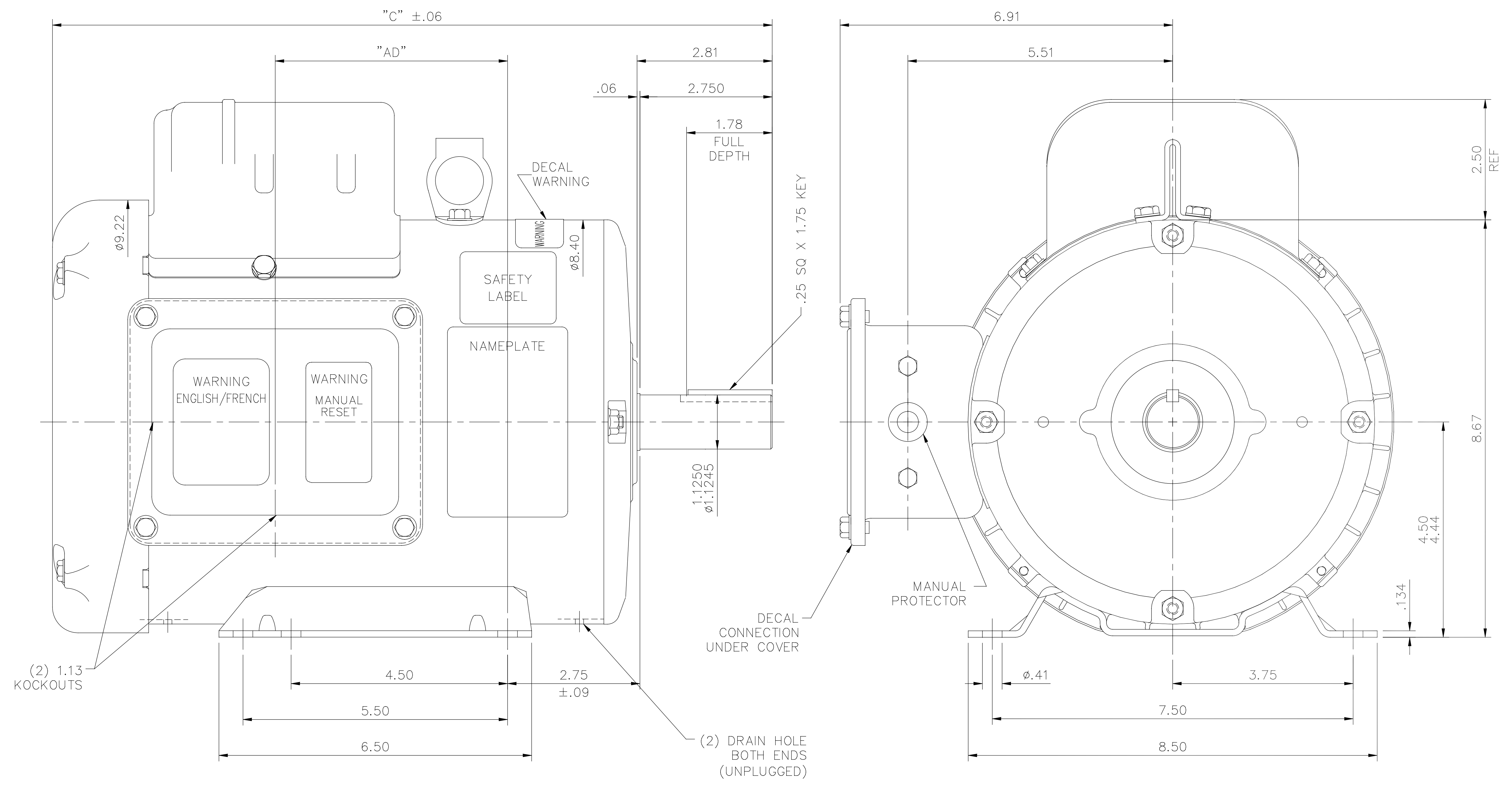
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Nameplate Specifications


Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230 V
Current	19.0 A	Speed	1740 rpm
Service Factor	1.15	Phase	1
Efficiency	75.5 %	Power Factor	68
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	K
Frame	184T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized (Not Protector)	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.498 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	16.46 in
Frame Length	11.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.81 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005110.01ME	Outline Drawing	035584-1100

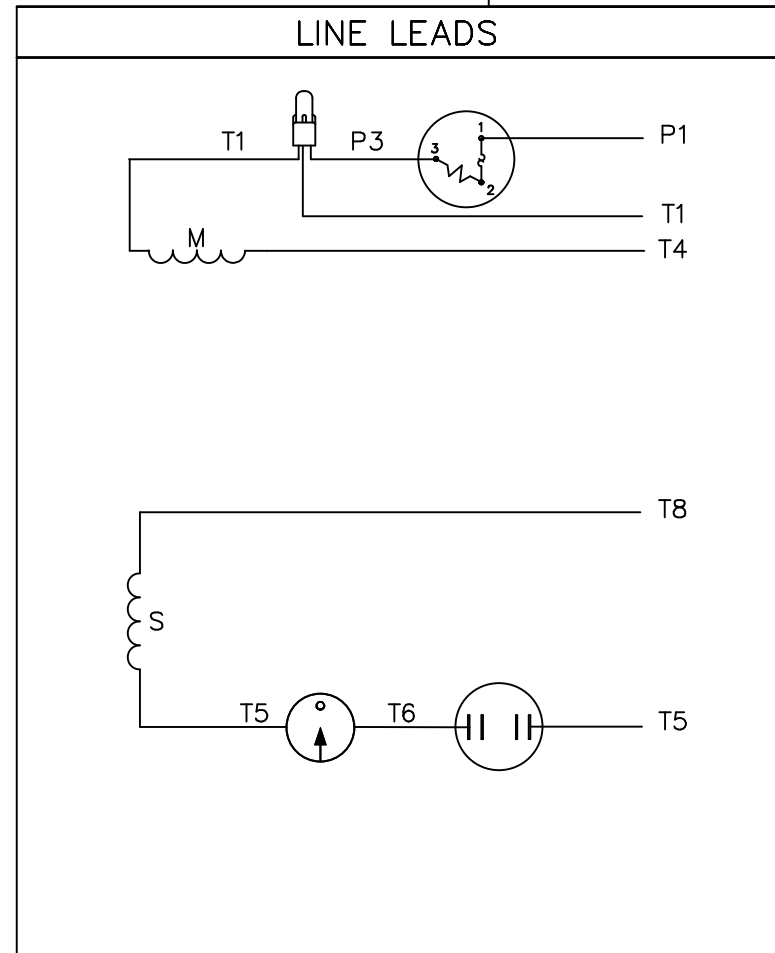
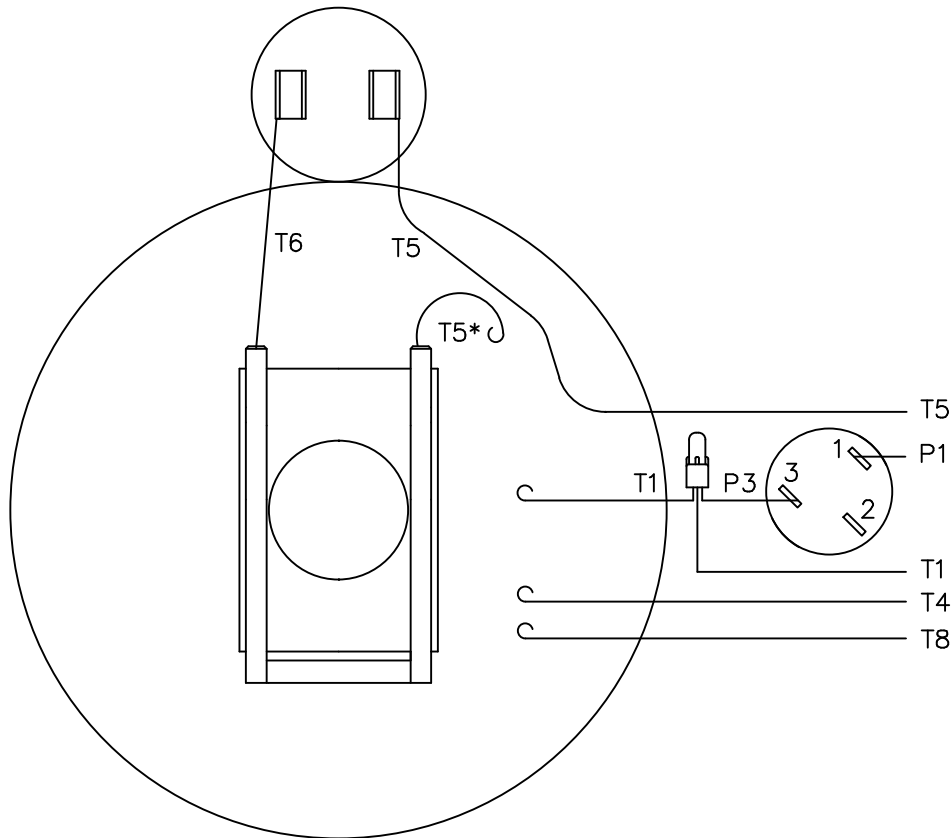


DASH NO.	"C"	"AD"
900	14.46	4.33
950	14.96	4.83
1000	15.46	5.33
1050	15.96	5.83
1100	16.46	6.33
1150	16.96	6.83
1200	17.46	7.33

NO.		REVISION		BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	 Regal Beloit America, Inc.	DRAWN KVN 10/15/2007		
							DEC.		INCHES	CHK	APPD
03	DRAIN HOLES ADDED		KIR	02/08/16	SS	.XX	±.03	TITLE OUTLINE - 180T FRAME TEFC - RIGID	SCALE 1=2		
02	MANUAL PROT. DECAL WAS 004075-01		GWS	3/5/10		.XXX	±.005		REF 035474		
01	DASH NO. 900 ADDED IN DIMENSION BOX		KVN	3/8/2008		.XXXX	±.0005		FMF 184TBFW7070		
					RFP		FINISH	CAD FILE 035584	SIZE	DRAWING NO.	REV.
					DIST	NLV			B	035584	03

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ROTATION FACING LEAD END	L1	L2	JOIN & INSULATE
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'

MARATHON ELECTRIC

TITLE: EXTERNAL WIRING DIAGRAM TYPE "C" W/ PROTECTOR

MAT'L: DECAL - 004015

FINISH: _____

DRAWN	RDW 6/18/03
CHK	KJH 6/19/03
APPD	6/19/03
SCALE	1=1
REF	
FMF	139046
PREV	

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		DIST			A	005110-01ME	

CERTIFICATION DATA SHEET

Model#: 184TCFW9057 AA WINDING#: C8429 FR 2
 CONN. DIAGRAM: 005110.01ME ASSEMBLY: F1 ONLY
 OUTLINE: 035584-1100

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	1800	1740	184T	TEFC	K	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	230	19.0	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 75.5	3/4 LOAD EFF: 71.6	1/2 LOAD EFF: 64.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 68	3/4 LOAD PF: 60.5	1/2 LOAD PF: 50.3	0	CAP START IND RUN	13.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9 LB-FT	136	37.45 LB-FT 416	27.85 LB-FT 309	-

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	10 SEC.	0	0 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 (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6206	6205						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

*
N
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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

DATE: 06/28/2017 06:17:40 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

Volts

HP 3

PHASE 1

Model No 184TCFW9057

60

HZ

VOLTS 230

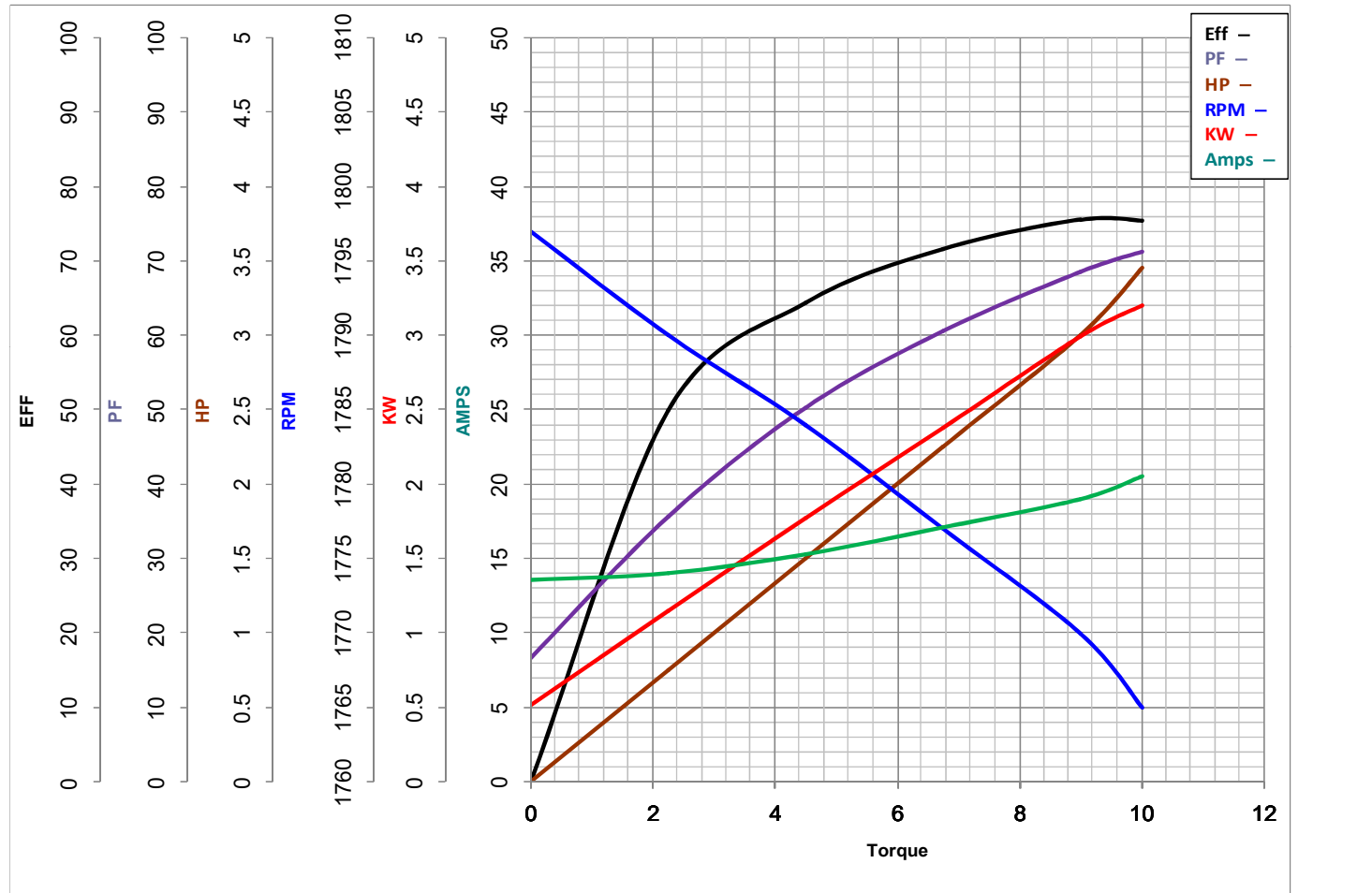
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HP

Catalog No Z113A

HZ 60

RPM 1740



Torque in Lb.Ft

FL TORQUE 19 Lb.Ft
BD TORQUE 27.9 Lb.Ft
LR TORQUE 37.45 Lb.Ft

FL AMPS 19
PU TORQUE 23.5 Lb.Ft
LR AMPS 136

WINDING C8429-2

Date 1/10/2019