

PRODUCT INFORMATION PACKET

Model No: 056C17F5350

Catalog No: T014

Power Tool Motor, 0.75 HP, 1 Ph, 60 Hz, 115/208-230 V, 1800 RPM, 56 Frame, TEFC



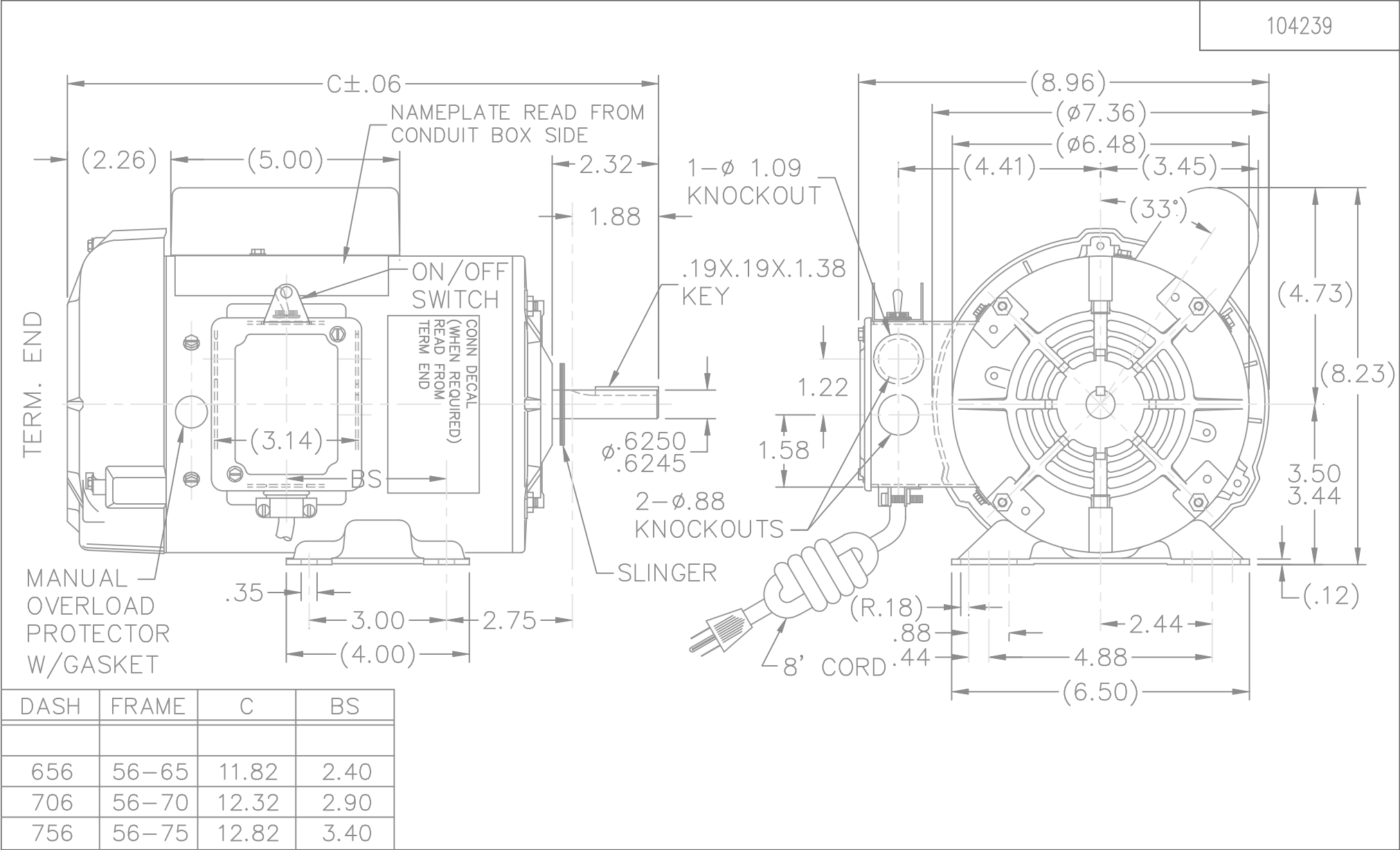
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Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	11.0/5.4-5.5 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	71 %	Power Factor	71
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	L
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

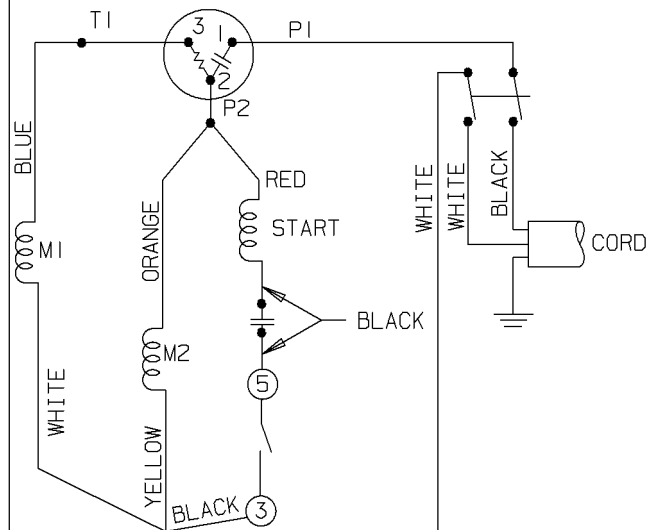
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	12.32 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-104239-706	Connection Drawing	102005-79



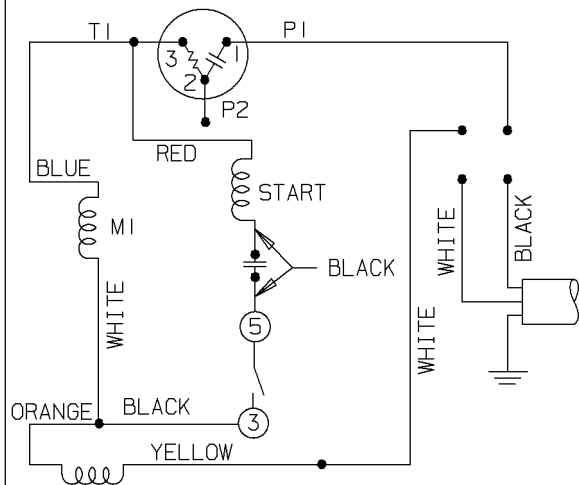
				TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
4	UPDATED DRAWING	RJW 03-29-2007		.X	±.1
3	REDRAWN IN AUTOCAD	TAT 06-24-2005	DRS	.XX	±.03
2	REMOVED DRAIN HOLE CN 24300-116	PGK 03-19-1997		.XXX	±.005
1	NEW DRAWING MU12072	PGK 02-14-1997		.XXXX	±.0005
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"
THIS DRAWING IN 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		
			DIST WP		

 MARATHON ELECTRIC		DRAWN PGK 01-28-1997	
		CHK ML 02-01-1997	
TITLE OUTLINE		APPD SAT 02-14-1997	
56 FR. - BB - TEFC - 1Ø		SCALE 11=32	
MAT'L.		REF	
FINISH		FMF	
		PREV	
CAD FILE 104239	SIZE A	DRAWING NO. 104239	PAGE OF REV. 4

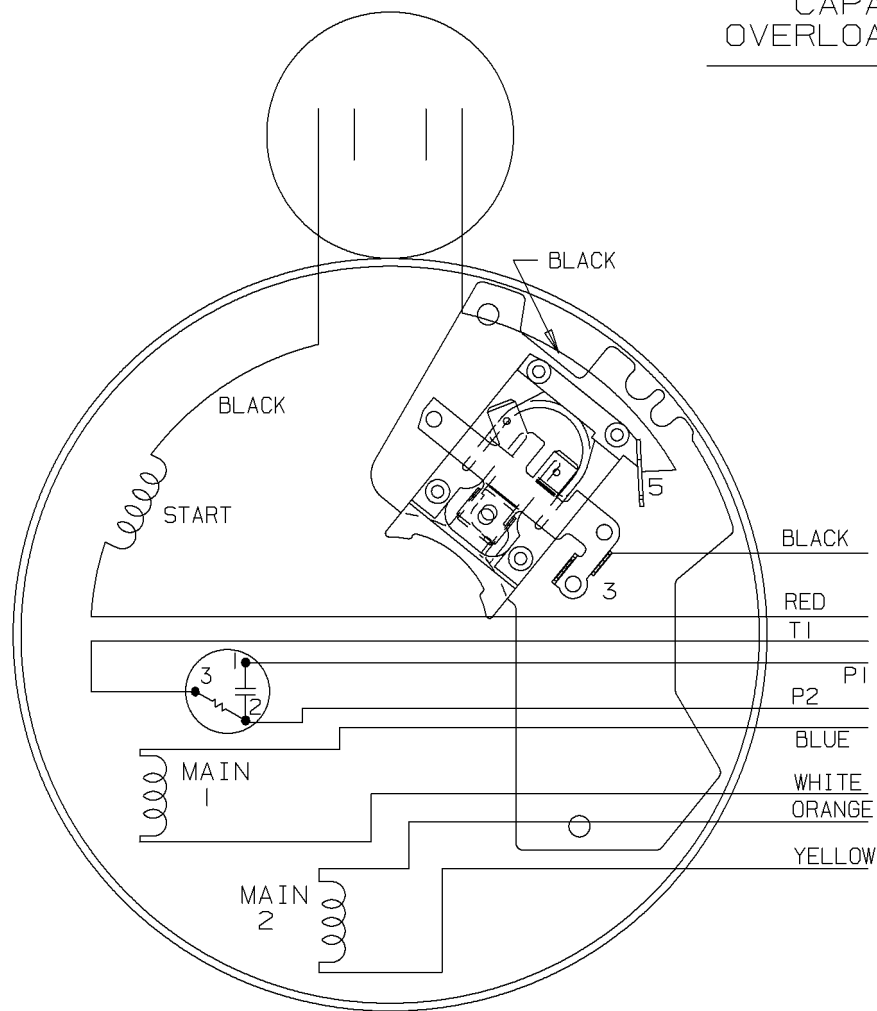
LOW VOLTAGE - C.C.W.



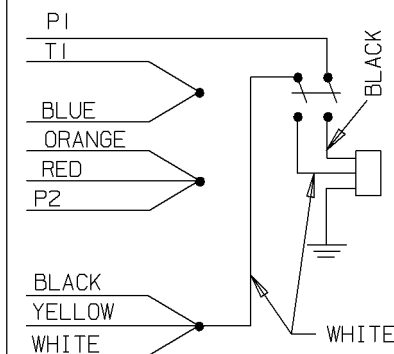
HIGH VOLTAGE - C.C.W.



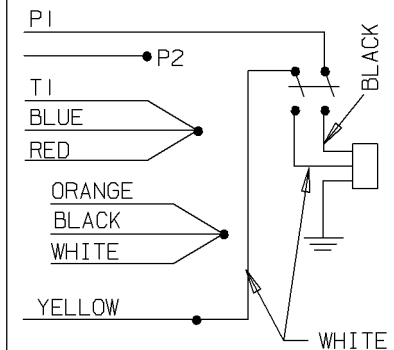
DUAL VOLTAGE
CAPACITOR START
OVERLOAD SELECT ROT.



LOW VOLT. - C.C.W. ROT.



HIGH VOLT. - C.C.W. ROT.



FOR C.W. ROTATION
EITHER VOLTAGE
INTERCHANGE RED
WITH BLACK LEAD

				✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± .02 XXX± .005 XXXX± .0005 ANGLES± 7'30"					
				MATL SPEC				DRAWN BY PGK	05-14-1996	
				FINISH				CHKD BY KL	07-18-1996	
2	07-08-1996	REDRAWN ON CADD, NO CHANGES	PGK	REFERENCE DRW.	WAUSAU, WISCONSIN 54401			APPD BY ML	07-08-1996	
REV	DATE	CHANGE	NAME	PART NAME CONNECTION DIAGRAM					DRWG NO A-102005-79	

SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM - BR

CADD FILE NO.

0200579

CERTIFICATION DATA SHEET

Model#: 56C17F5350 D
 CONN. DIAGRAM: 102005-79
 OUTLINE: A-104239-706

WINDING#: ZC469 NONE 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	.56	1800	1725	56	TEFC	L	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	11/5.4-5.5	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: -	3/4 LOAD EFF: 69.4	1/2 LOAD EFF: 63.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: -	3/4 LOAD PF: 56.9	1/2 LOAD PF: 46.1	0	CAP START IND RUN	7.5 / 3.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
36 LB-FT	61 / 30.5	133 LB-FT 0	97.9 LB-FT 0	-

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 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	BRAKE	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6203	6203	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

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

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INVERTER TORQUE: NONE		
INV. HP SPEED RANGE: NONE		
ENCODER: NONE		
NONE NONE		
NONE NONE PPR		
BRAKE:	PROVISIONS FOR KIT	NONE
NONE	P/N NONE	
NONE	NONE	
NONE FT-LB	NONE V	NONE Hz

DATE: 06/27/2017 07:07:11 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 0.75

 PHASE 1

 Model No 56C17F5350
60

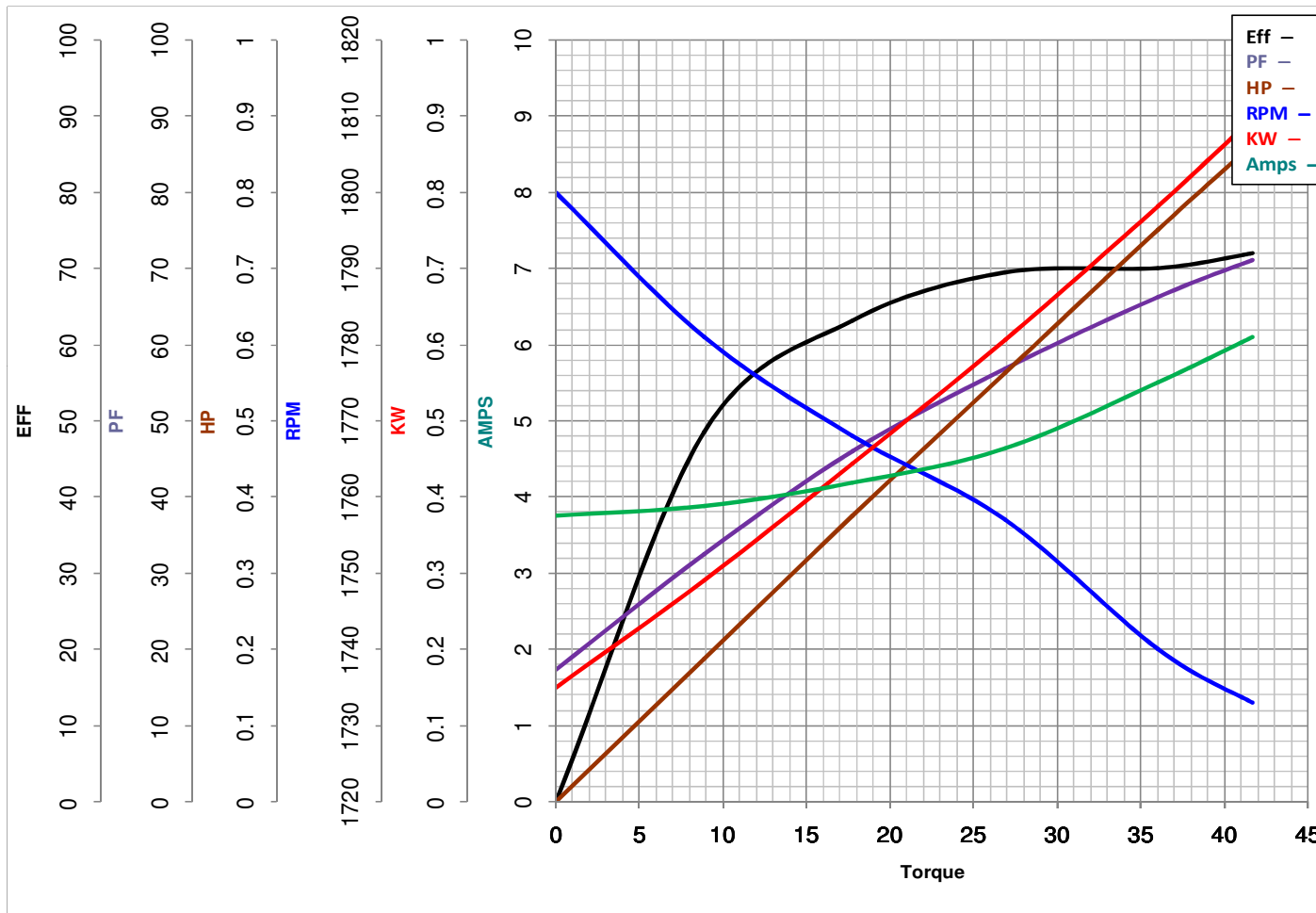
HZ

 VOLTS 115/208-230
0.75

HP

 Catalog No T014

 HZ 60

 RPM 1725


Torque in Oz.Ft

 FL TORQUE 36 Oz.Ft

 BD TORQUE 93.0 Oz.Ft

 LR TORQUE 120 Oz.Ft

WINDING ZC469-3

 FL AMPS 11/5.4-5.5

 PU TORQUE 94.7 Oz.Ft

 LR AMPS 31

Date 1/9/2019