

PRODUCT INFORMATION PACKET

Modal No: 215TBFW7027
Catalog No: I217
10,1800,TEFC,215T,1/60/230
Totally Enclosed Fan Cooled (TEFC)



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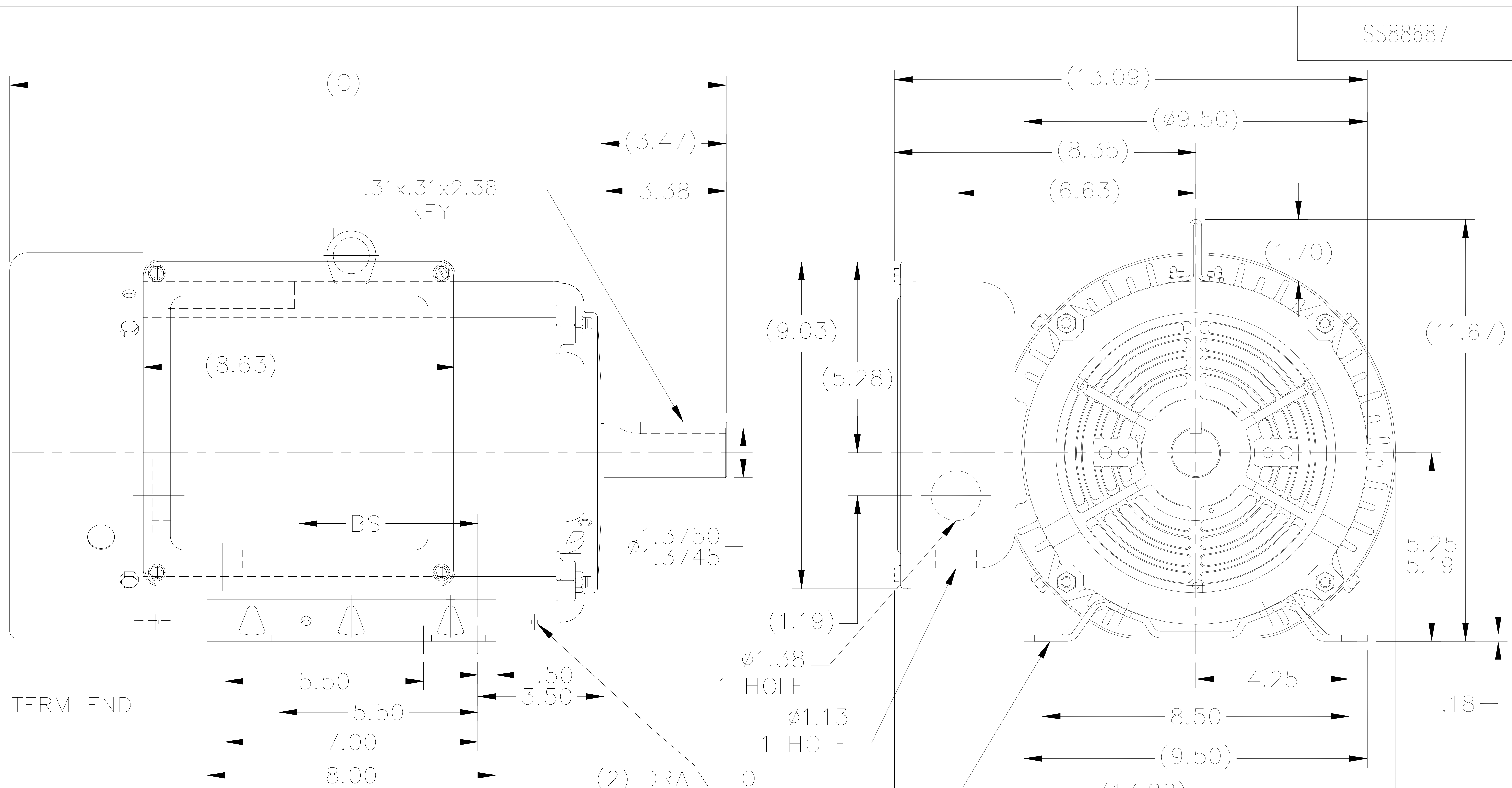
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230 V
Current	41.5 A	Speed	1759 rpm
Service Factor	1	Phases	1
Efficiency	85.5 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	L
KVA Code	H	Frame	215T
Enclosure	TEFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6307
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	CAP START CAP RUN	Starting Method	ACROSS THE LINE
Poles	4	Rotation	SELECTIVE CCW
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	T
Overall Length	21.09 in	Frame Length	12.4 in
Shaft Diameter	1.38 in	Shaft Extension	3.47 in
Assembly/Box Mounting	F1 ONLY		


SS88687



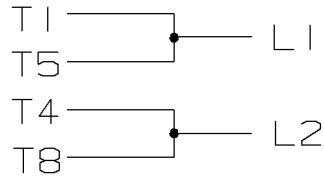
TERM END

DASH	FR.	C	BS
965	213T	18.34	3.44
1115	213/15T	19.84	4.94
1240	215T	21.09	6.19

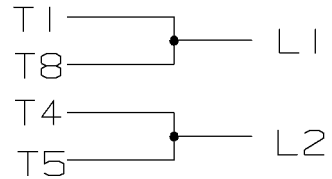
NOTES:
 1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
 2. DASH 965 TO BE READ FROM OPPOSITE SHAFT END

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN MJK 07-25-2007					
				DEC.	INCHES		CHK	MG	01-24-2008			
				.X	±.1	TITLE OUTLINE 210 FR. - TEFC - 1 PHASE	APPD	EH	01-24-2008			
				.XX	±.03		SCALE	1=4				
				.XXX	±.005		REF					
A	DRAIN HOLES ADDED			KIR	02/08/16	SS	.XXXX	±.0005	MAT'L.		FMF	
NO.	REVISION			BY & DATE	CHK	ANG	±7'30"		FINISH		PREV	
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	01-24-2008	CAD FILE ss88687		SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	LB			A	SS88687			A

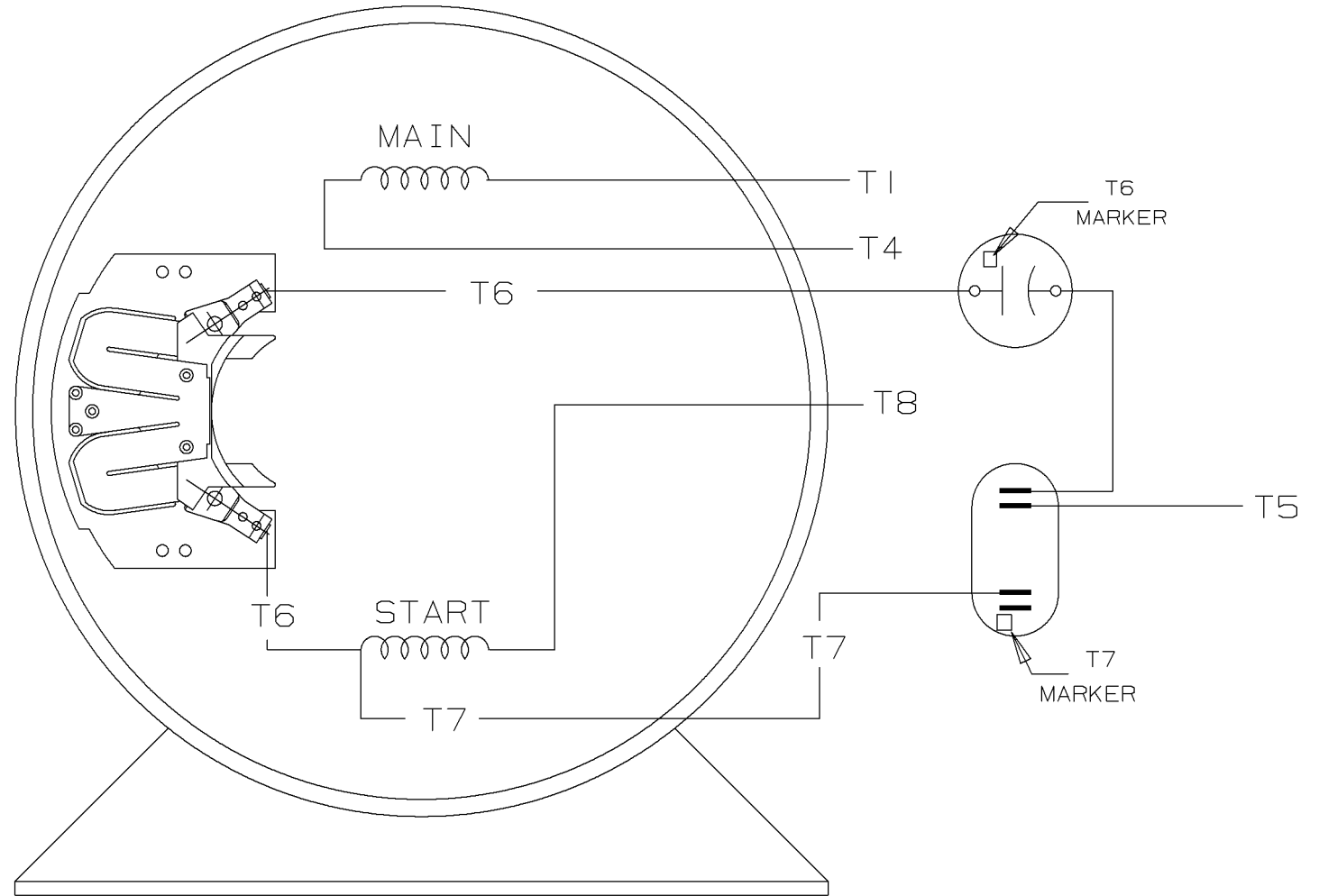
C.W. ROTATION



C.C.W. ROTATION



SINGLE VOLTAGE
CAPACITOR START
CAPACITOR RUN
REVERSIBLE



VIEW OF TERMINAL END

				✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± XXX±.005 XXXX±.0005 ANGLES±		
				MATL SPEC	180 - 210 SWITCH	DRAWN BY GK	11-01-1986
				FINISH	MARATHON ELECTRIC	CHKD BY ML	11-01-1986
I	11-04-1986	NEW DRAWING	CN 7664C	GK	REFERENCE DRW. WAUSAU, WISCONSIN 54401	APPD BY FG	11-04-1986
REV	DATE	CHANGE	NAME	PART NAME CONNECTION DIAGRAM			DRWG NO A-EE9048MF

SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM - BR

CADD FILE NO.

EE9048MF

CERTIFICATION DATA SHEET

Model#: 215TBFW7027 DD WINDING#: BK104125 NONE 2
 CONN. DIAGRAM: A-EE9048MF ASSEMBLY: F1 ONLY
 OUTLINE: A-SS88687-1240

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.5	1800	1759	215T	TEFC	H	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	230	41.5	ACROSS THE LINE	CONTINUOUS	F4	1.0	40	3300

FULL LOAD EFF: 85.5	3/4 LOAD EFF: 84.5	1/2 LOAD EFF: 81	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90.5	3/4 LOAD PF: 89.5	1/2 LOAD PF: 85	0	CAP START CAP RUN	12.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.9 LB-FT	260	55.2 LB-FT 185	79.7 LB-FT 267	95

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	0 LB-FT^2	- LB-FT^2	10 SEC.	-	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
6307	6206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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

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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer CATALOG

Curve at

230

Volts

HP 10.00

PHASE 1

Model No 215TBFW7027

60

HZ

VOLTS 230

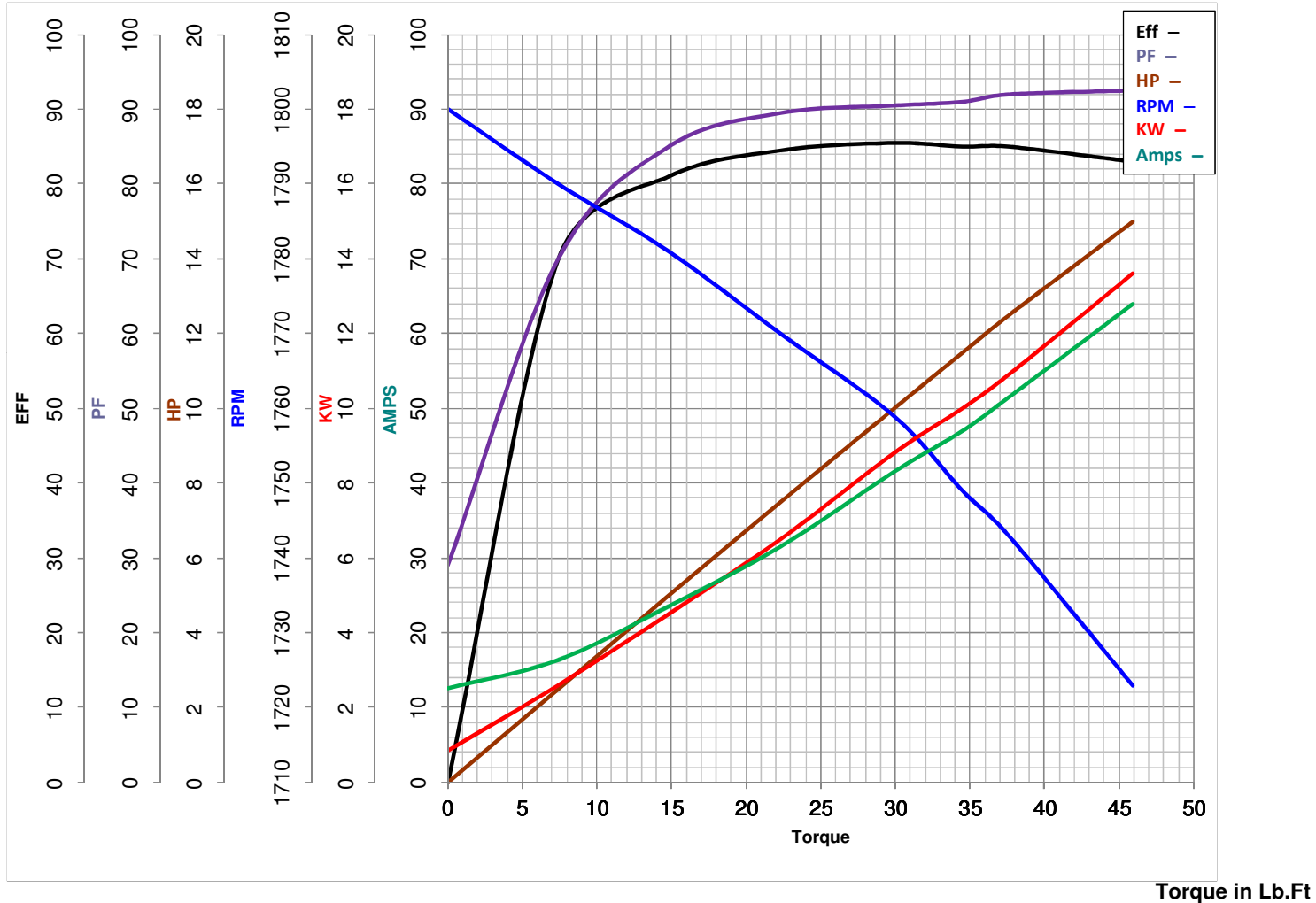
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HP

Catalog No I217

HZ 60

RPM 1759



Torque in Lb.Ft

FL TORQUE 29.9 Lb.Ft
 BD TORQUE 79.7 Lb.Ft
 LR TORQUE 55.2 Lb.Ft

FL AMPS 41.5
 PU TORQUE 53.0 Lb.Ft
 LR AMPS 260

WINDING BK104125-2 Prepared By SRIKANTH

Date 6/20/2017