

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 213TTDWD16314

Catalog No: E939A

10 HP General Purpose Motor, 3 phase, 3600 RPM, 200 V, 213T Frame, ODP  
General Purpose Motors



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**RegalRexnord**

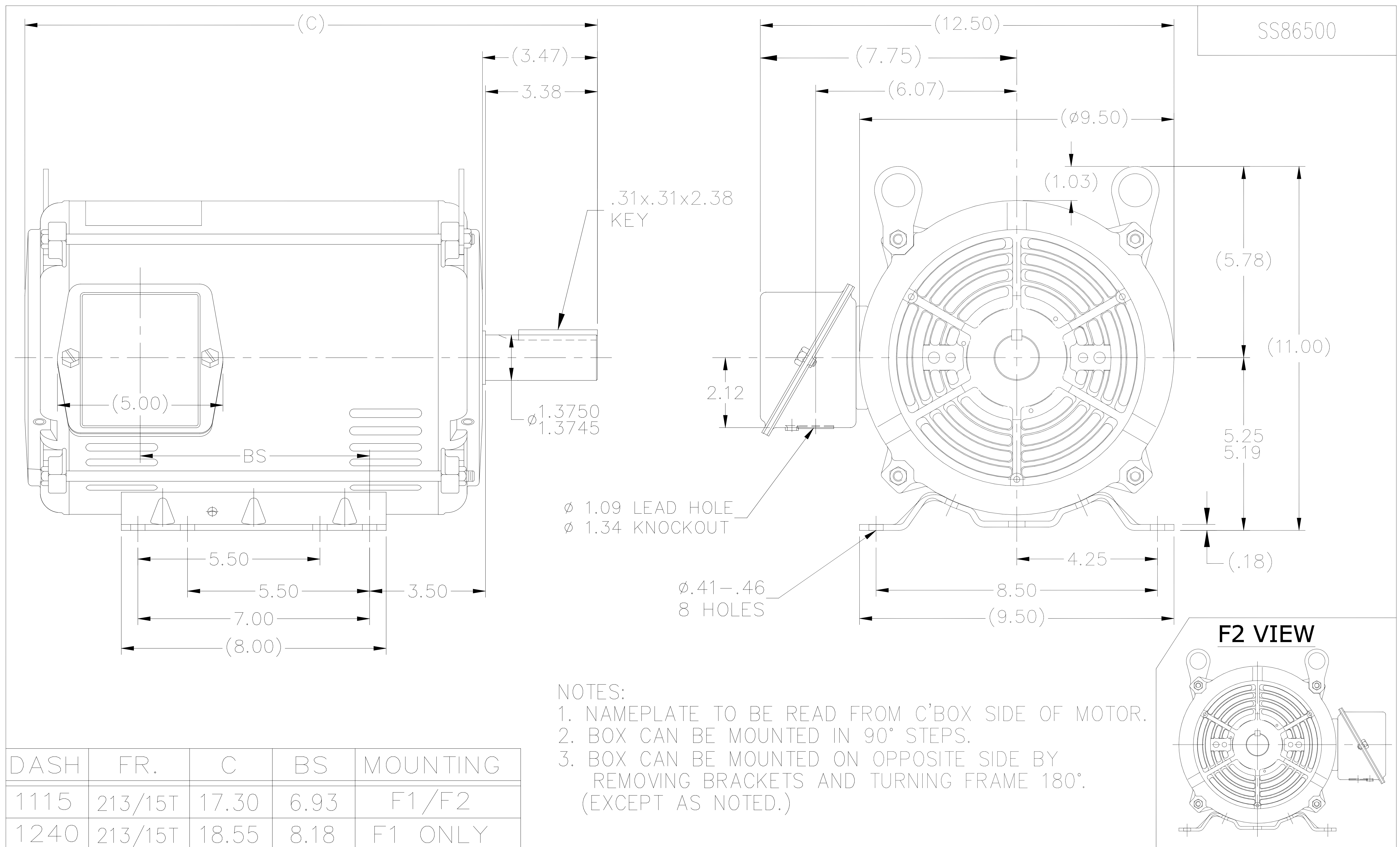
## Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	200 V
Current	27.8 A	Speed	3530 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Power Factor	85.4
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	213T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

## Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	1.4632 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	17.30 in
Frame Length	11.15 in	Shaft Diameter	1.375 in
Shaft Extension	3.47 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS86500-1115	Connection Drawing	005102.01


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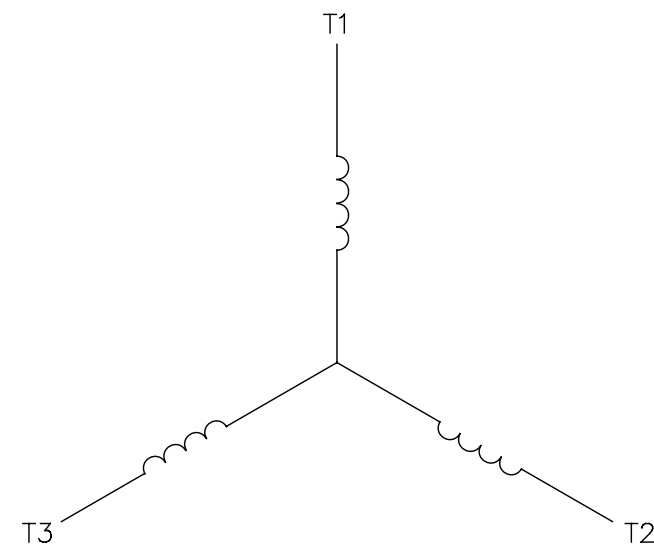
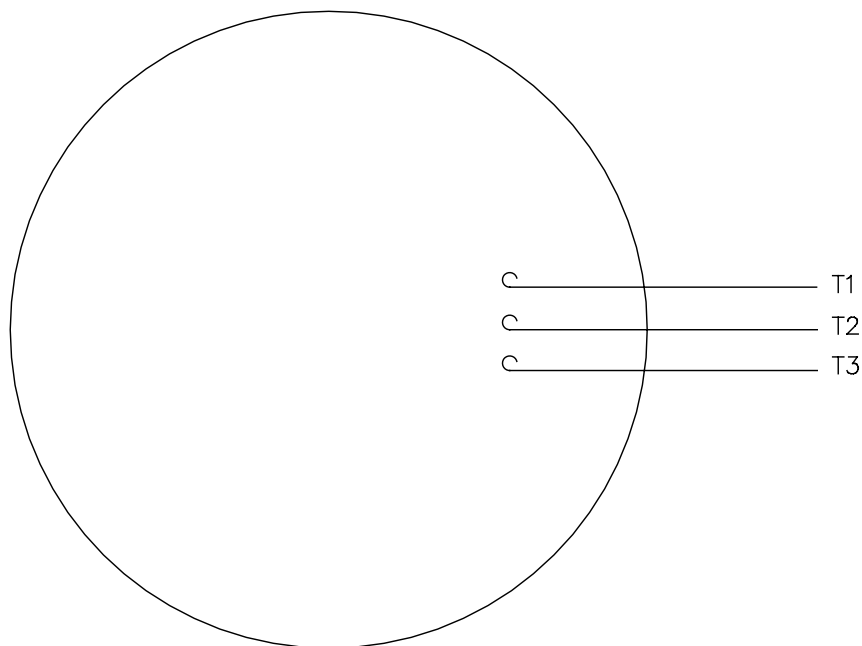
DASH	FR.	C	BS	MOUNTING
1115	213/15T	17.30	6.93	F1/F2
1240	213/15T	18.55	8.18	F1 ONLY

NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)


14	TITLE BLOCK LOGO CHANGE PER ECO-0078542	MDV 06/09/2015	MDV	TOLERANCES UNLESS SPECIFIED		 <b>Regal Beloit America, Inc.</b>				DRAWN SMC 04-13-1993		
13	FOR FRAME 11.15 MOUNTING NOTE ADDED	UD 12/13/12	SR	DEC.	INCHES					CHK MOL 04-04-1993		
12	ADDED: F2 VIEW.	KVN 2/10/2009	SVL	.X	±.1					APPD DRN 04-13-1993		
11	UPDATED DRAWING	TJW 04/27/2007		.XX	±.03	TITLE OUTLINE 210 FR. — BB — TS — DR. PR.				SCALE 1=4		
10	REM'VD. DASH 965 FROM SERIES CN38252	RWR 07-20-2004	ML	.XXX	±.005					REF		
9	REDRAWN IN AUTOCAD	TAT 06-29-2004	ML	.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		CAD FILE ss86500			SIZE A	DRAWING NO. PAGE 1 OF 1		REV.	
			DIST LB						SS86500		14	

LINE LEADS



CONNECT LEADS AS FOLLOWS  
FOR FOUR CONDUCTOR CORD ( )

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

				TOLERANCES UNLESS SPECIFIED		 <b>Regal Beloit America, Inc.</b>			DRAWN	JRW 9/11/75	
				DEC.	INCHES				CHK		
				.X	±.1				APPD	JCW 9/11/75	
08	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR			SCALE	1=1	
07	UPDATED TO CURRENT STANDARDS	DBT 5/30/97		.XXX	±.005				REF	W-T6343-6	
06	REDRAWN ON CAD; ADDED DECAL NUMBER	SAW 1/24/95		.XXXX	±.0005	MAT'L. DECAL - 004169			FMF	6T17FB7	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH			PREV		
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				DIST BRF-NLV			A	005102-01		08	

**CERTIFICATION DATA SHEET**

**P.O. BOX 8003  
WAUSAU, WI 54401-8003  
PH. 715-675-3311**

**CONN. DIAGRAM:** 005102.01

**MODEL #:** 213TTDWD16314 AA

**OUTLINE:** SS86500-1115

**MOUNTING:** F1/F2 CAPABLE

**WINDING #:** K2132123 6

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.50	3600	3530	213T	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	200	27.8	ACROSS THE LINE	CONTINUOUS	F3	1.15	40

<b>FULL LOAD EFF:</b>	90.2	<b>3/4 LOAD EFF:</b>	91	<b>1/2 LOAD EFF:</b>	91	<b>GTD. EFF</b>		<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	85.4	<b>3/4 LOAD PF:</b>	80.3	<b>1/2 LOAD PF:</b>	68.9	88.5		SQ CAGE IND RUN

<b>F.L. TORQUE</b>		<b>LOCKED ROTOR AMPS</b>		<b>L.R. TORQUE</b>		<b>B.D. TORQUE</b>		<b>F.L. RISE°C</b>
14.9 LB-FT		181.7		25 LB-FT 168 %		43.2 LB-FT 290 %		47

<b>SOUND PRESSURE @ 3 FT.</b>		<b>SOUND POWER</b>		<b>ROTOR WK^2</b>		<b>MAX. WK^2</b>		<b>SAFE STALL TIME</b>		<b>STARTS / HOUR</b>		<b>APPROX. MOTOR WGT</b>
75 dBA		85 dBA		0.45 LB-FT^2		5 LB-FT^2		15 SEC.		2		105 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

<b>DE BRACKET TYPE</b>	<b>ODE BRACKET TYPE</b>	<b>MOUNT TYPE</b>	<b>ORIENTATION</b>	<b>SEVERE DUTY</b>	<b>HAZARDOUS LOCATION</b>	<b>DRIP COVER</b>	<b>SCREENS</b>	<b>PAINT</b>
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

<b>BEARINGS</b>		<b>GREASE</b>	<b>SHAFT TYPE</b>	<b>SPECIAL DE</b>	<b>SPECIAL ODE</b>	<b>SHAFT MATERIAL</b>	<b>FRAME MATERIAL</b>
<b>DE</b>	<b>ODE</b>						
BALL	BALL						
6307	6206	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

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

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E  
  
S

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

**MARATHON ELECTRIC CORPORATION**

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

200

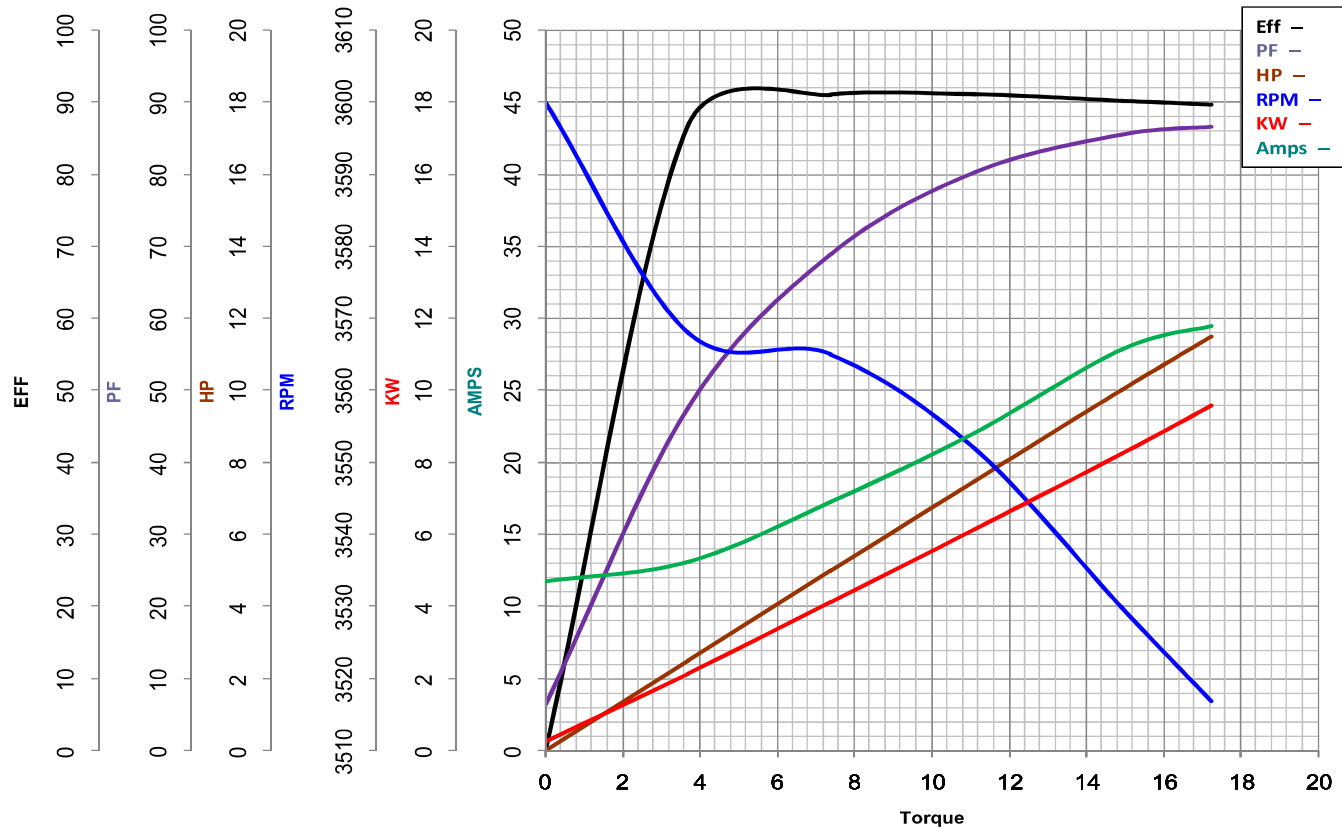
Volts

HP 10.00PHASE 3Model No 213TTDWD1631460

HZ

VOLTS 20010

HP

Catalog No E939AHZ 60RPM 3530

Torque in Lb.Ft

FL TORQUE 14.9 Lb.FtBD TORQUE 43.2 Lb.FtLR TORQUE 25 Lb.FtFL AMPS 27.8PU TORQUE 23.0 Lb.FtLR AMPS 181.7

WINDING K2132123-6

Date 11/5/2018