

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TBDW7030

Catalog No: Z432

10 HP Close-Coupled Pump Motor, 1 phase, 1800 RPM, 230 V, 215JP Frame, ODP
Close-Coupled Pump Motors



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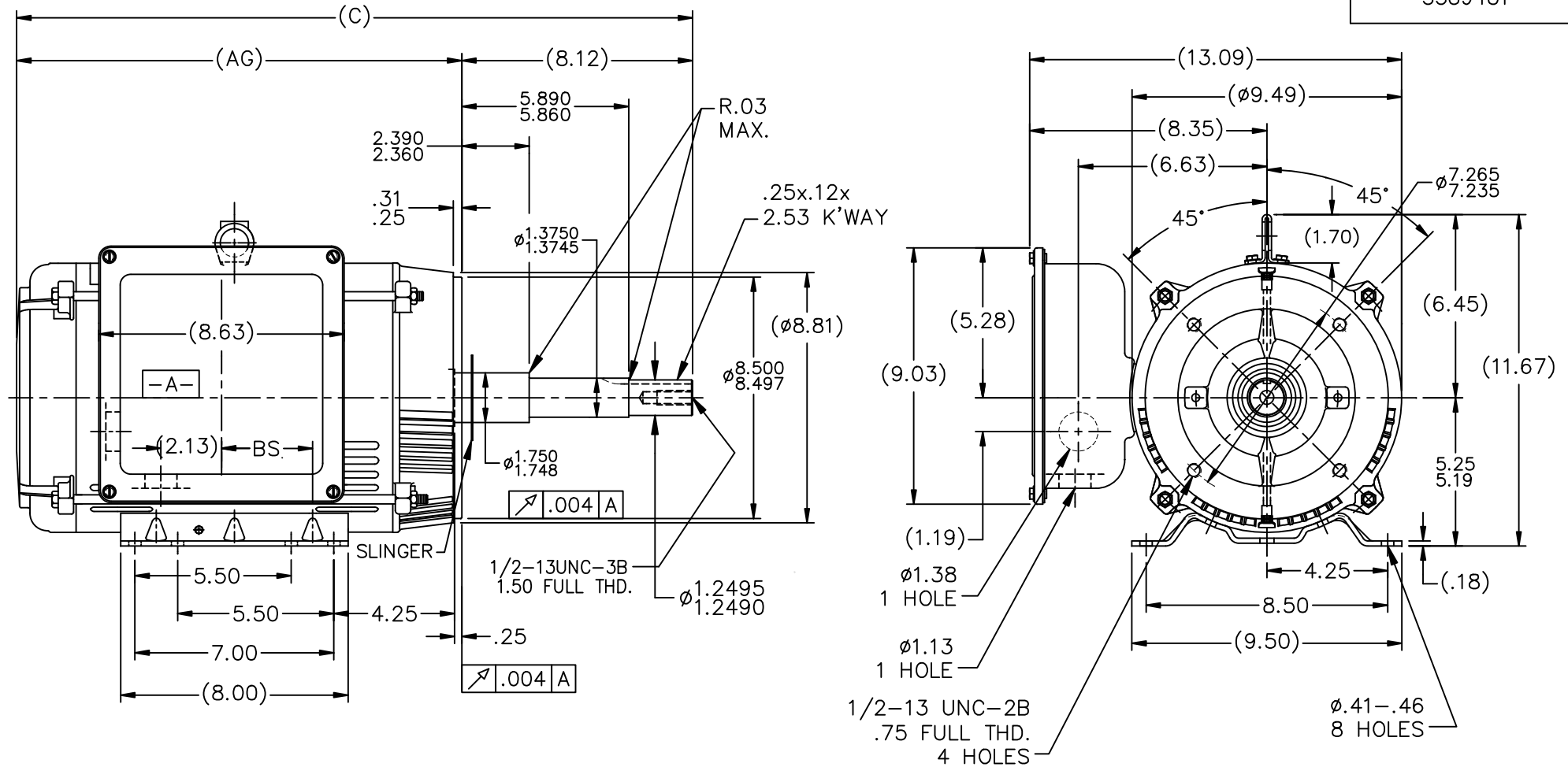
RegalRexnord

Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230 V
Current	44.0 A	Speed	1730 rpm
Service Factor	1.15	Phase	1
Efficiency	82.5 %	Power Factor	89
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	G
Frame	215JP	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	23
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor 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	JP	Overall Length	25.04 in
Frame Length	12.40 in	Shaft Diameter	1.250 in
Shaft Extension	8.15 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE9048MF	Outline Drawing	SS89481-1240



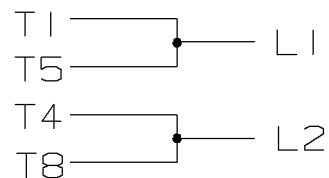
DASH	FR.	C	AG	BS
965	213JP	22.29	14.17	2.45
1115	213/15JP	23.79	15.67	3.95
1240	213/15JP	25.04	16.92	5.20

NOTES:

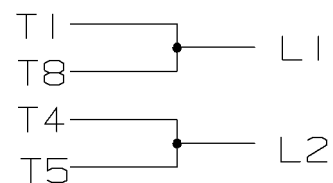
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.

				TOLERANCES UNLESS SPECIFIED			DRAWN RWR 01-22-2008			
				DEC.	INCHES		CHK	MSG	01-25-2008	
				.X	±.1		APPD	EMH	01-25-2008	
				.XX	±.03		SCALE 3=16			
				.XXX	±.005		REF			
1	DIM 1.50 FULL THD WAS 1.25	ST 05-14-2010	.XXXX	±.0005	MAT'L.			FMF ISAAC#07-1847		
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		01-25-2008	CAD FILE SS89481		SIZE	DRAWING NO. PAGE 1 OF 1	REV.
			DIST		LB			A	SS89481	1

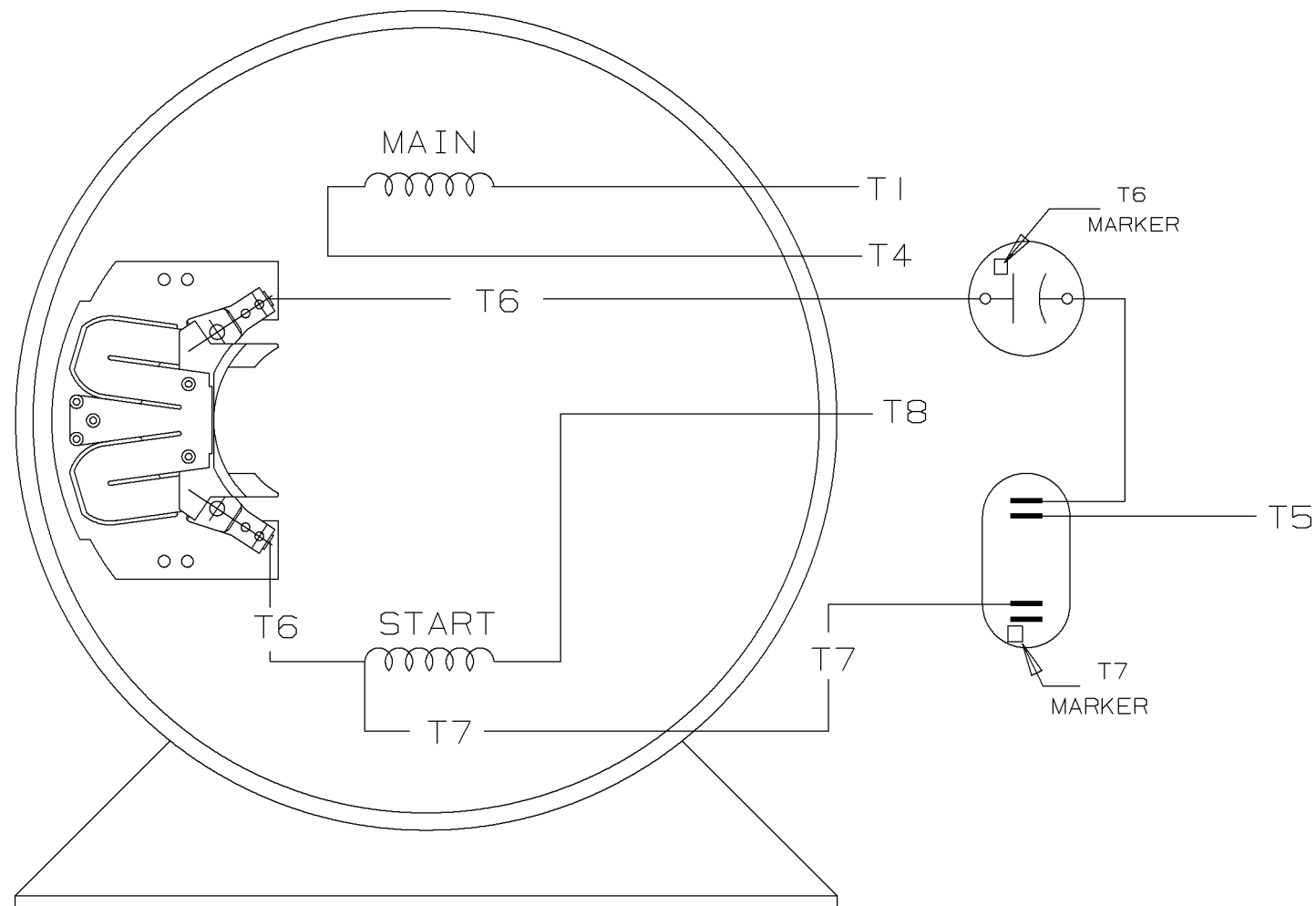
C.W. ROTATION



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				CHKD BY ML	11-01-1986
1 11-04-1986 NEW DRAWING			REFERENCE DRW.		WAUSAU, WISCONSIN 54401		APPD BY FG	11-04-1986
CN 7664C			PART NAME CONNECTION DIAGRAM		DRWG NO A- EE9048MF			
REV	DATE	CHANGE	NAME		EE9048MF			

SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM - BR

CADD FILE NO.

EE9048MF



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

CERTIFICATION DATA SHEET**CUSTOMER:****ORDER #:****CONN. DIAGRAM:** A-EE9048MF**OUTLINE:** SS89481-1240**WINDING #:** BK104121 2**CUSTOMER PO#:****MODEL #:** 215TBDW7030 AA**CUSTOMER PART #:****MOUNTING:** F1 ONLY**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.50	1800	1730	215JP	DP	G	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	44	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	82.5	3/4 LOAD EFF:	84.1	1/2 LOAD EFF:	83.2	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	89	3/4 LOAD PF:	86.7	1/2 LOAD PF:	80	80		CAP START CAP RUN

F.L. TORQUE		LOCKED ROTOR AMPS		L.R. TORQUE		B.D. TORQUE		F.L. RISE°C
30.1 LB-FT		260		47.4 LB-FT 157 %		67.5 LB-FT 224 %		65

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		10 SEC.		3		290 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	RODENT	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6309	6206						

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

* .25" SCREENS

N

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PREPARED BY: Dinesh**Suddula DATE:**

02/14/2019 02:10:45 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

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


MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

Volts

 HP 10.00

 PHASE 1

 Model No 215TBDW7030
60

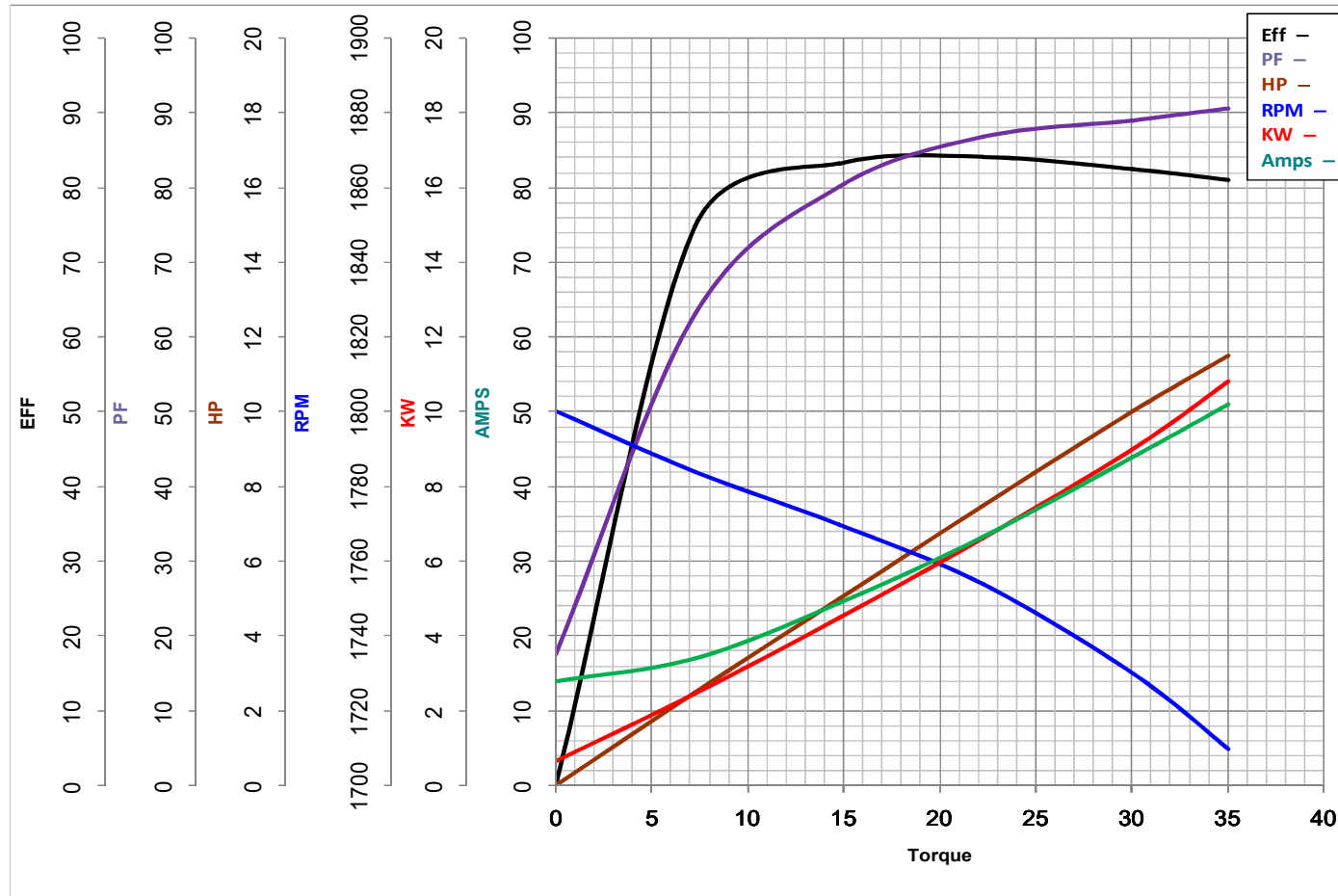
HZ

 VOLTS 230
10

HP

 Catalog No Z432

 HZ 60

 RPM 1730


Torque in Lb.Ft

 FL TORQUE 30.1 Lb.Ft

 BD TORQUE 67.5 Lb.Ft

 LR TORQUE 47.4 Lb.Ft

 FL AMPS 44

 PU TORQUE 47.0 Lb.Ft

 LR AMPS 260

WINDING BK104121-2

Date 1/7/2019