

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TBDW7045

Catalog No: Z430

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



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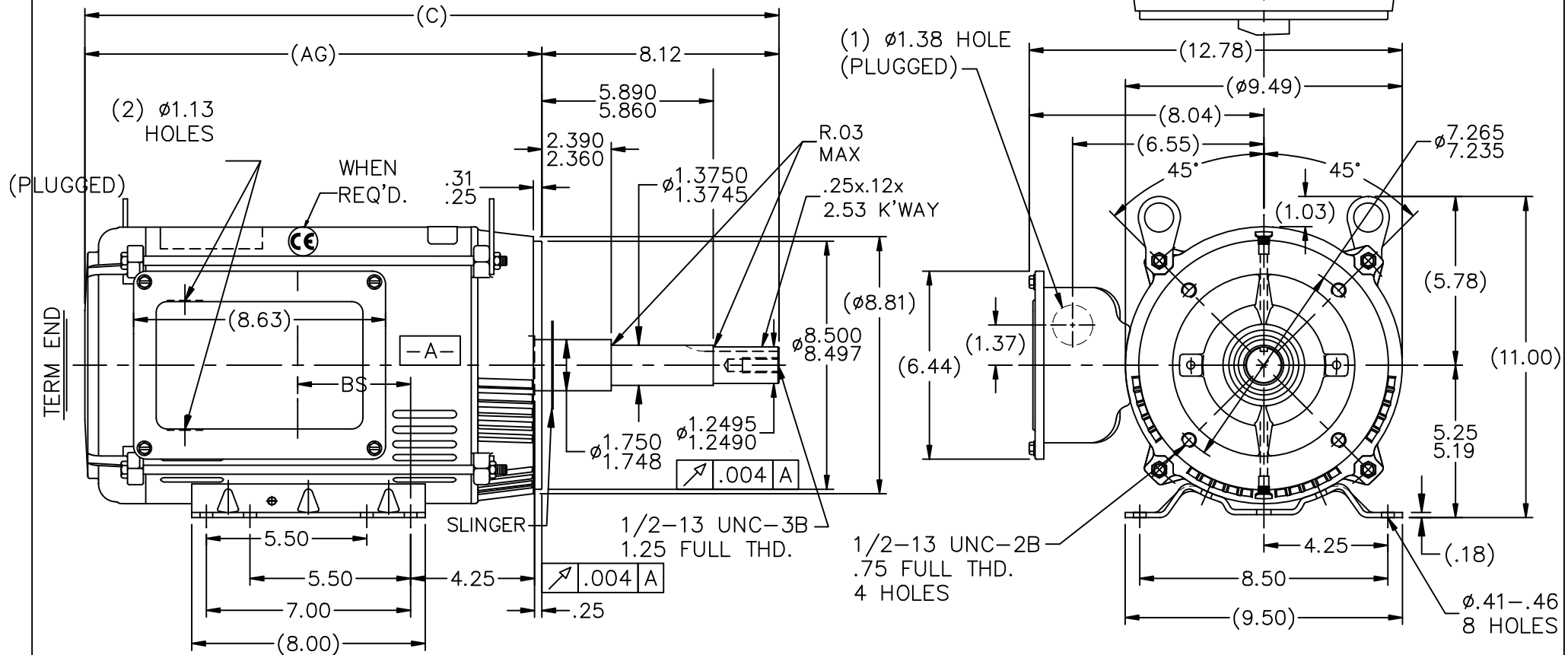
RegalRexnord

Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230 V
Current	34.5 A	Speed	1735 rpm
Service Factor	1.15	Phase	1
Efficiency	84 %	Power Factor	85.5
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	23.79 in
Frame Length	11.15 in	Shaft Diameter	1.250 in
Shaft Extension	8.12 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	037644-1115	Connection Drawing	A-EE9048MF



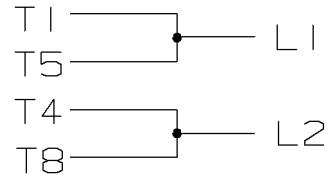
DASH	FR.	C	AG	BS
965	213JP	22.29	14.17	2.45
1115	213/15JP	23.79	15.67	3.95
1240	213/15JP	25.04	16.92	5.20

NOTES:

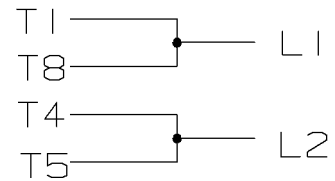
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.

				TOLERANCES UNLESS SPECIFIED			DRAWN GRB 14/11/08				
				DEC.	INCHES		CHK SK 14/11/08				
				.X	±.1		APPD				
				.XX	±.03		SCALE 1=5				
				.XXX	±.005		REF SS86684				
				.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 037644		SIZE	DRAWING NO.	PAGE	OF	REV.
			DIST LB				A	037644			

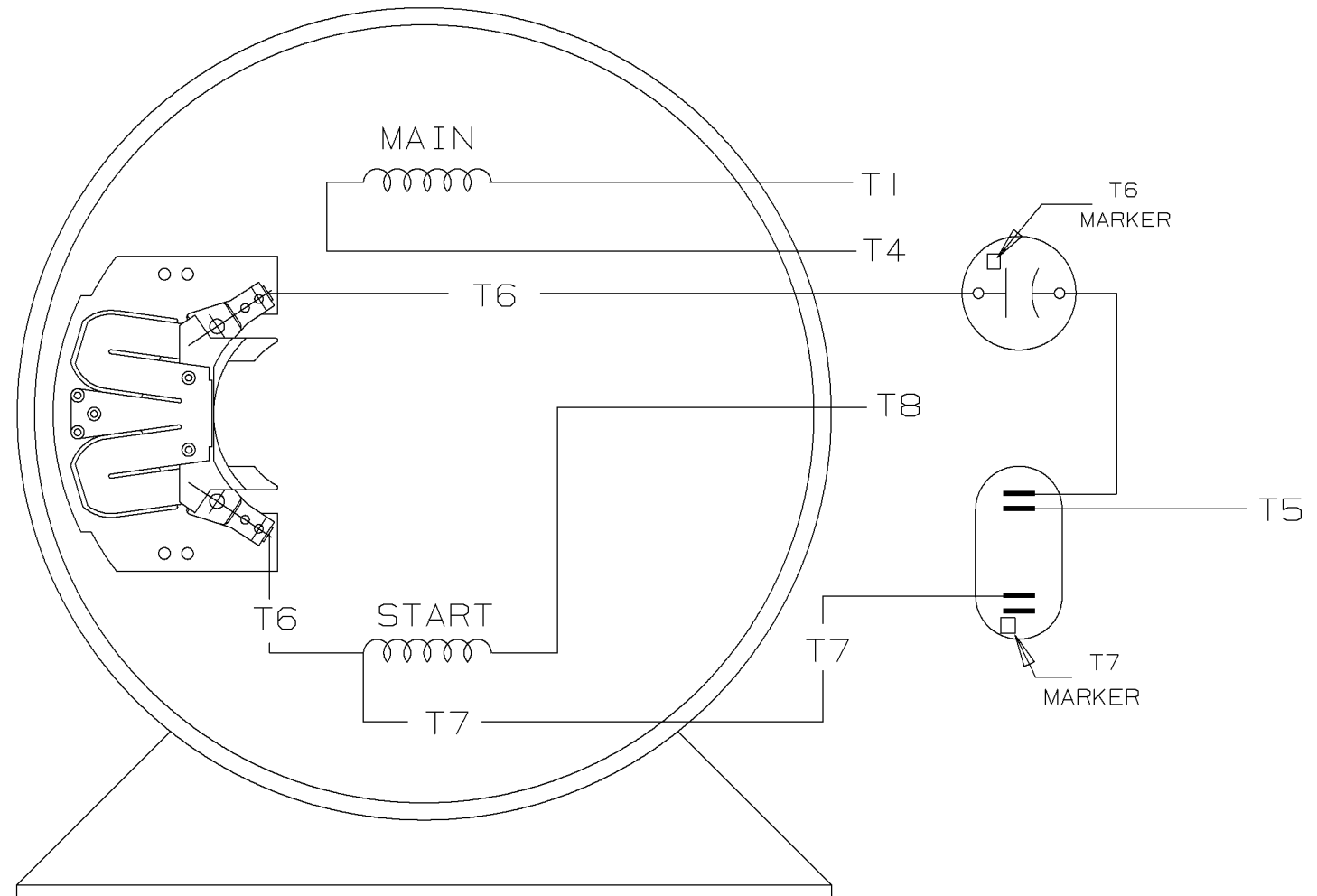
C.W. ROTATION



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
1 11-04-1986 NEW DRAWING			REFERENCE DRW.		WAUSAU, WISCONSIN 54401		APPD BY FG	11-04-1986
CN 7664C			GK		PART NAME CONNECTION DIAGRAM		DRWG NO A- EE9048MF	
REV	DATE	CHANGE	NAME		DISTRIBUTION - WA - LB - WP - LM - BR		CADD FILE NO. 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:** 037644-1115**WINDING #:** BK104117 2**CUSTOMER PO#:****MODEL #:** 215TBDW7045 AB**CUSTOMER PART #:****MOUNTING:** F1 ONLY**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	1800	1735	215JP	DP	G	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	34.5	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF: 84	3/4 LOAD EFF: 83.5	1/2 LOAD EFF: 82.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF: 85.5	3/4 LOAD PF: 80	1/2 LOAD PF: 71	81.5	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.5 LB-FT	200	45 LB-FT 200 %	51.5 LB-FT 229 %	50

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	132 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 - MARATHON

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JP	NONE	NONE	AISI 1045 (C-240)	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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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

PREPARED BY: DineshSuddula **DATE:**

02/14/2019 02:21:54 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 7.50

 PHASE 1

 Model No 215TBDW7045
60

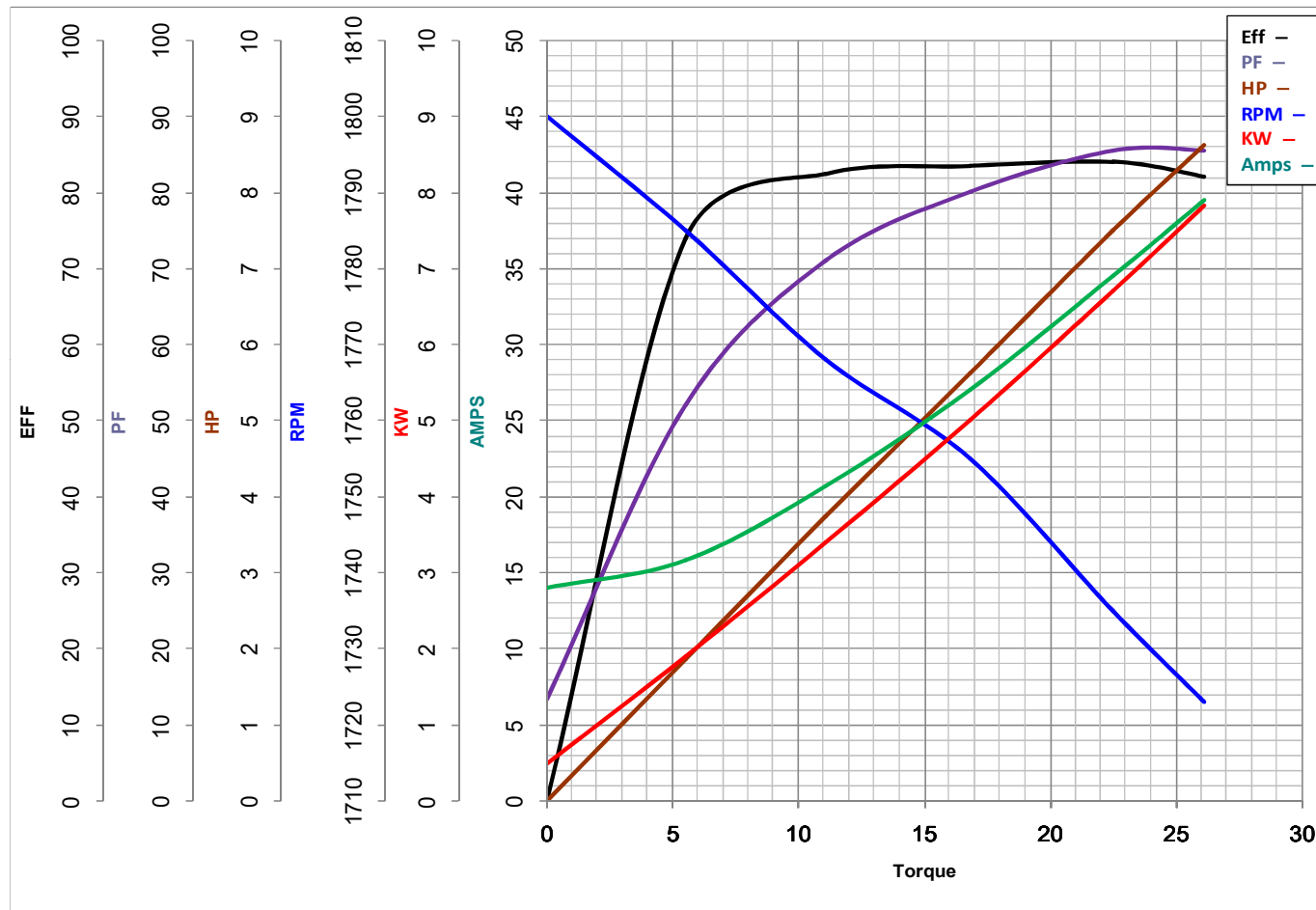
HZ

 VOLTS 230
7.5

HP

 Catalog No Z430

 HZ 60

 RPM 1735


Torque in Lb.Ft

 FL TORQUE 22.5 Lb.Ft

 BD TORQUE 51.5 Lb.Ft

 LR TORQUE 45 Lb.Ft

 FL AMPS 34.5

 PU TORQUE 38.3 Lb.Ft

 LR AMPS 200

WINDING BK104117-2

Date 1/7/2019