

# PRODUCT INFORMATION PACKET

Modal No: 215TBFW7001  
Catalog No: I225  
10,3600,TEFC,215T,1/60/208-230  
Totally Enclosed Fan Cooled (TEFC)



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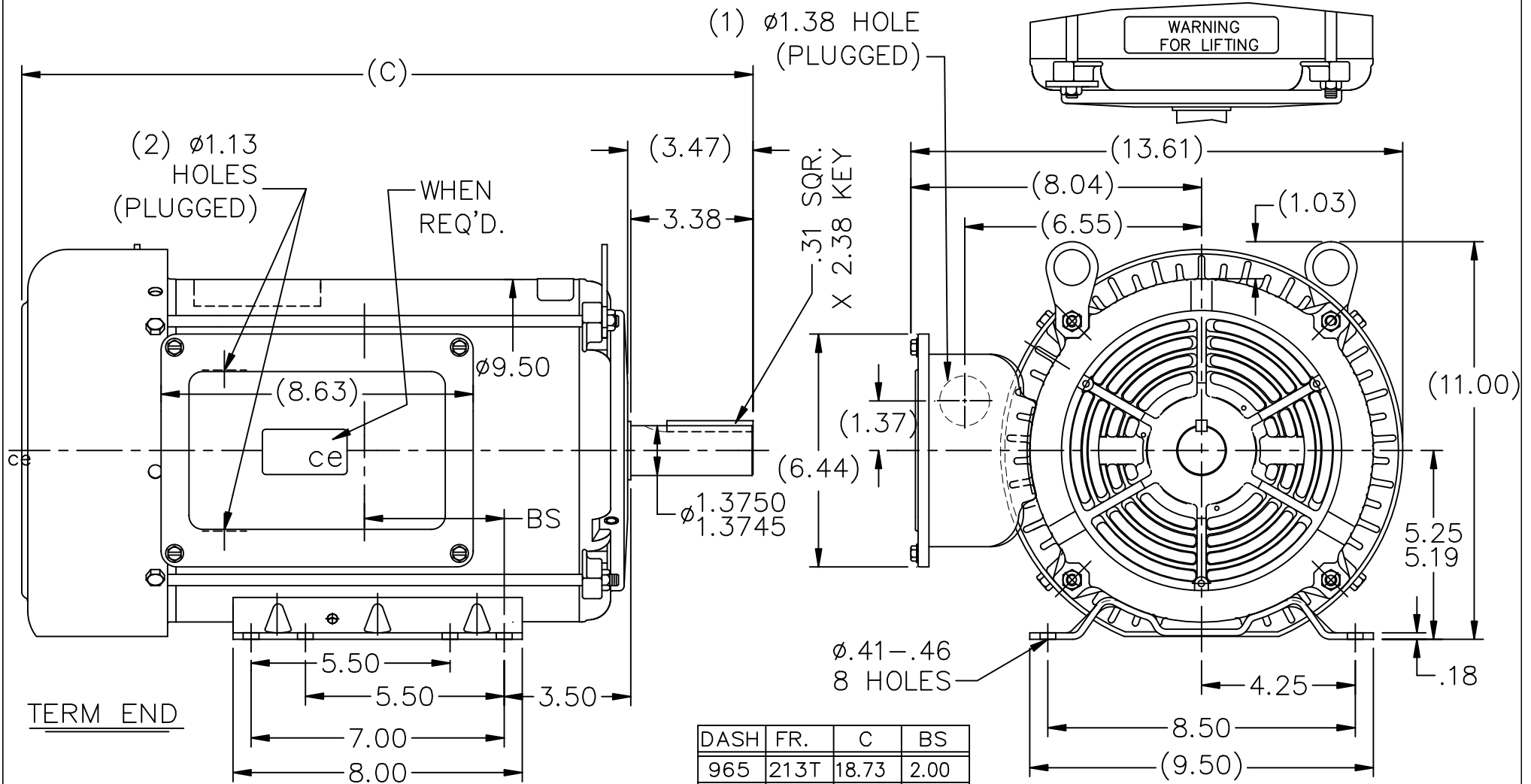


## Nameplate Specifications

Output HP	<b>10 Hp</b>	Output KW	<b>7.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>208-230 V</b>
Current	<b>44-41.5 A</b>	Speed	<b>3500 rpm</b>
Service Factor	<b>1</b>	Phases	<b>1</b>
Efficiency	<b>83.8 %</b>	Duty	<b>CONTINUOUS</b>
Insulation Class	<b>F</b>	Design Code	<b>L</b>
KVA Code	<b>G</b>	Frame	<b>215T</b>
Enclosure	<b>TEFC</b>	Overload Protector	<b>NOT</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6307</b>
Opp Drive End Bearing Size	<b>6206</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

## Technical Specifications

Electrical Type	<b>CAP START CAP RUN</b>	Starting Method	<b>ACROSS THE LINE</b>
Poles	<b>2</b>	Rotation	<b>SELECTIVE CCW</b>
Mounting	<b>RIGID</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>ROLLED STEEL</b>	Shaft Type	<b>T</b>
Overall Length	<b>20.23 in</b>	Frame Length	<b>11.15 in</b>
Shaft Diameter	<b>1.38 in</b>	Shaft Extension	<b>3.47 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		

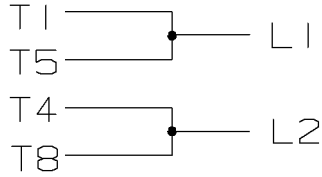


DASH	FR.	C	BS
965	213T	18.73	2.00
1115	213/215T	20.23	3.50
1240	215T	21.48	4.75

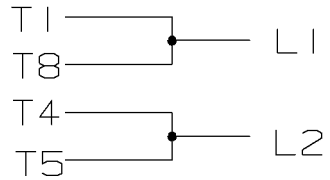
NOTES:  
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN	GRB 11/14/08
		DEC.	INCHES			CHK	SK 11/14/08
		.X	$\pm .1$	TITLE OUTLINE 210T FR. TEFC - STD 1 $\phi$		APPD	
		.XX	$\pm .03$			SCALE 1=4	
		.XXX	$\pm .005$			REF SS86677	
01	ADD CE DECAL PER ISAAC 11-0604	LST	2/11/11	.XXXX	$\pm .0005$	MAT'L.	FMF
NO.	REVISION	BY & DATE	CHK	ANG	$\pm 7'30''$	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 037646	SIZE	DRAWING NO. PAGE 1 OF 1 REV.
				DIST LB		A	037646 01

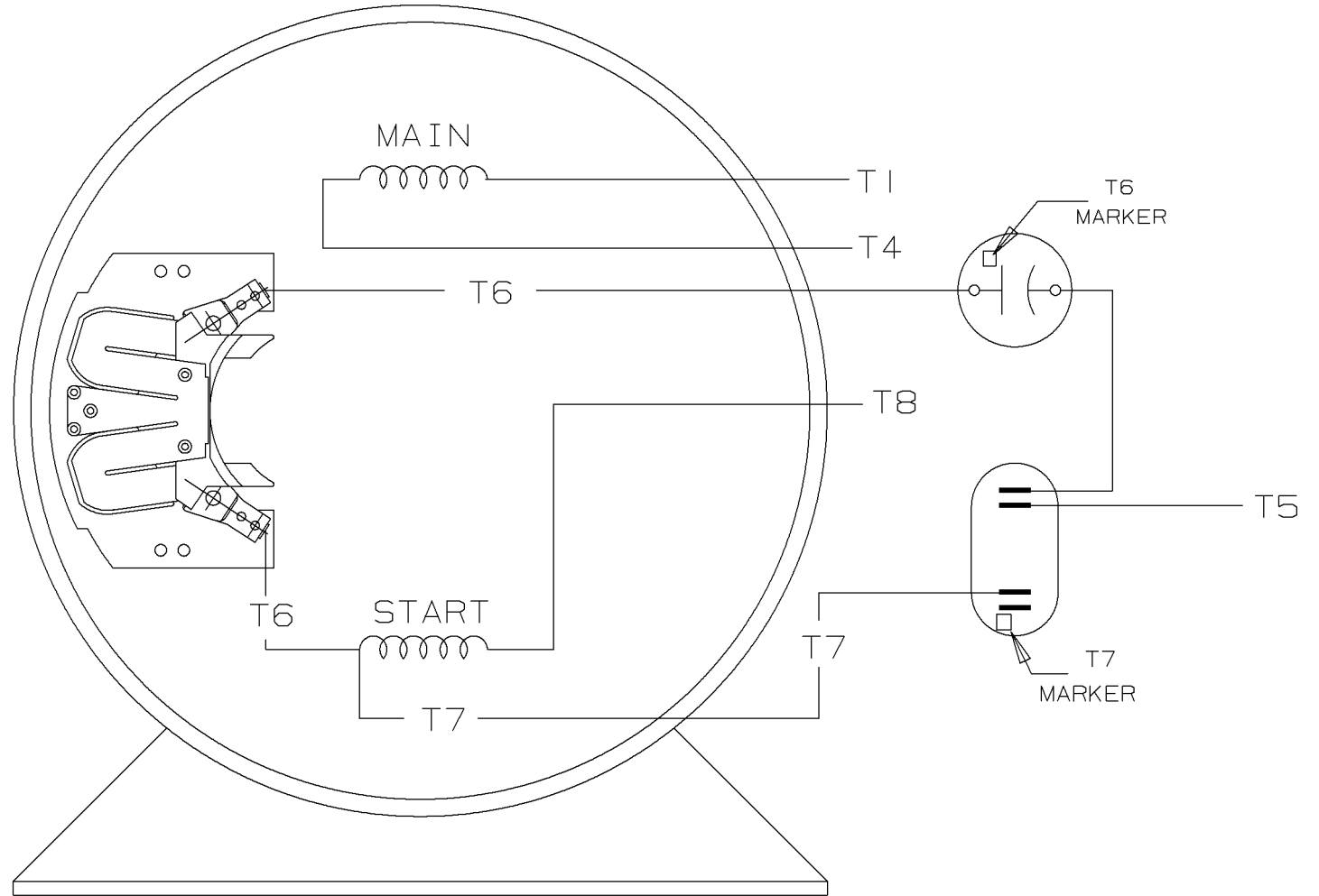
C.W. ROTATION



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#: 215TBFW7001 AB WINDING#: BK10268 NONE 2  
 CONN. DIAGRAM: A-EE9048MF ASSEMBLY: F1 ONLY  
 OUTLINE: 037646-1115

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.5	3600	3500	215T	TEFC	G	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	208-230	44-41.5	ACROSS THE LINE	CONTINUOUS	F4	1.0	40	3300

FULL LOAD EFF: 83.8	3/4 LOAD EFF: 83.9	1/2 LOAD EFF: 81.3	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 93.2	3/4 LOAD PF: 92.9	1/2 LOAD PF: 90.3	0	CAP START CAP RUN	9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	249	26 LB-FT 173	38.5 LB-FT 257	85

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
78 dBA	88 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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