

PRODUCT INFORMATION PACKET

Modal No: 213TBFW7001
Catalog No: I224
7 1/2,3600,TEFC,213T,1/60/208-230
Totally Enclosed Fan Cooled (TEFC)



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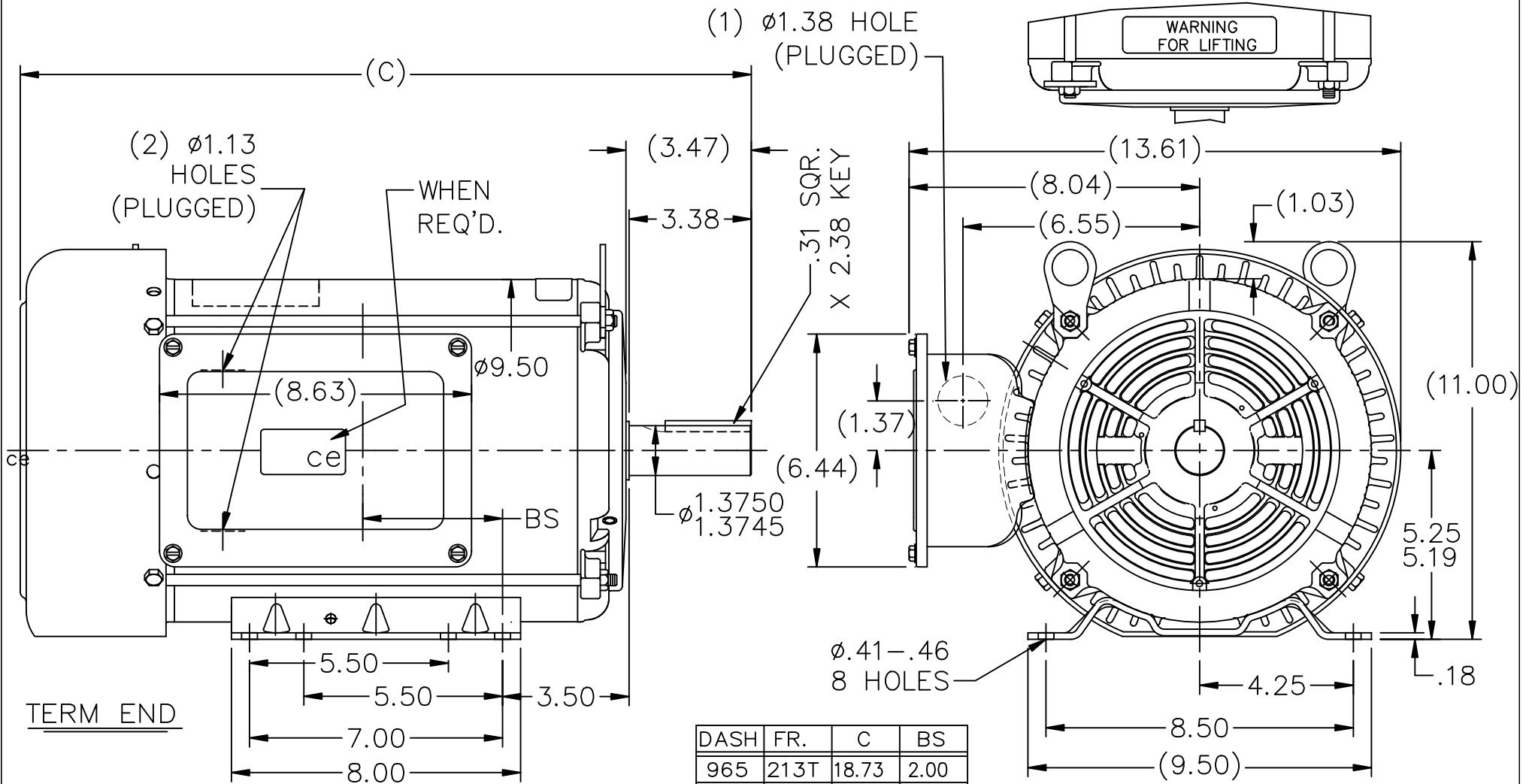


Nameplate Specifications

Output HP	7.5 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	208-230 V
Current	36-32 A	Speed	3465 rpm
Service Factor	1	Phases	1
Efficiency	81.5 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	L
KVA Code	G	Frame	213T
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	2	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	18.73 in	Frame Length	9.65 in
Shaft Diameter	1.38 in	Shaft Extension	3.47 in
Assembly/Box Mounting	F1 ONLY		

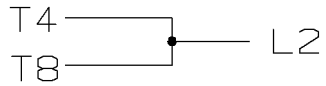
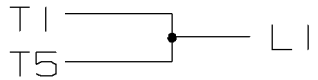


DASH	FR.	C	BS
965	213T	18.73	2.00
1115	213/215T	20.23	3.50
1240	215T	21.48	4.75

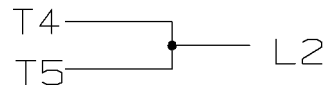
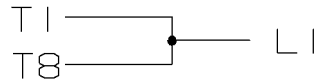
NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.

		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 ϕ		APPD	
		.XX	$\pm .03$			SCALE 1=4	
		.XXX	$\pm .005$			REF SS86677	
		.XXXX	$\pm .0005$			FMF	
01	ADD CE DECAL PER ISAAC 11-0604	LST	2/11/11	CHK	ANG	PREV	
NO.	REVISION	BY & DATE	CHK	ANG	$\pm 7'30''$	FINISH	
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
				DIST	LB	SIZE	A
						DRAWING NO.	037646
						PAGE	1 OF 1
						REV.	01

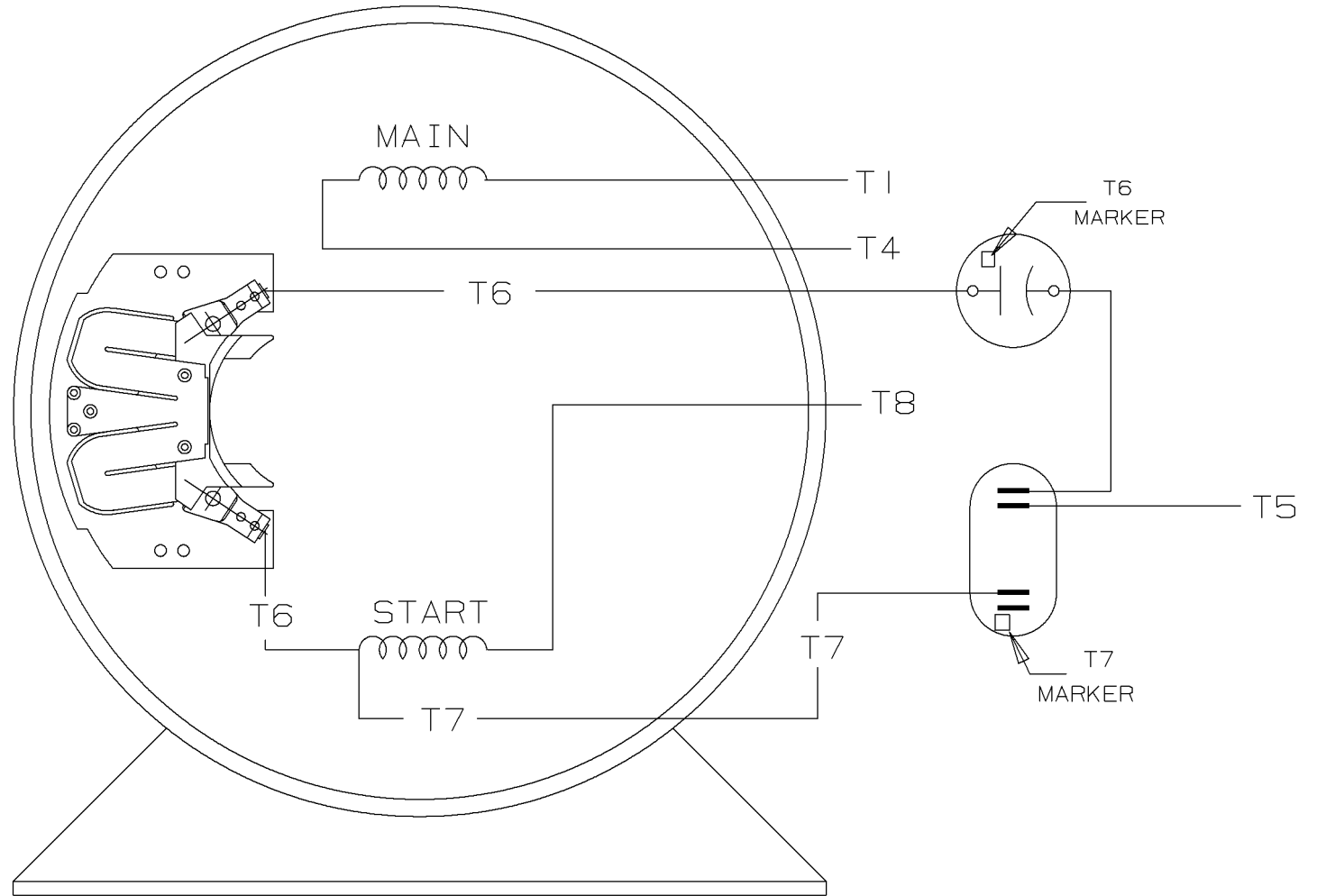
C.W. ROTATION



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#: 213TBFW7001 AB WINDING#: BK10269 NONE 1
 CONN. DIAGRAM: A-EE9048MF ASSEMBLY: F1 ONLY
 OUTLINE: 037646-965

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.6	3600	3465	213T	TEFC	G	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	208-230	36-32	ACROSS THE LINE	CONTINUOUS	F4	1.0	40	3300

FULL LOAD EFF: 81.5	3/4 LOAD EFF: 80.9	1/2 LOAD EFF: 77.8	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 93.5	3/4 LOAD PF: 93	1/2 LOAD PF: 90.4	0	CAP START CAP RUN	8.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
11.3 LB-FT	189	18.7 LB-FT 165	25.3 LB-FT 224	80

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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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer CATALOG

Curve at

230

Volts

HP 7.50

PHASE 1

Model No 213TBFW7001

60

HZ

7.5

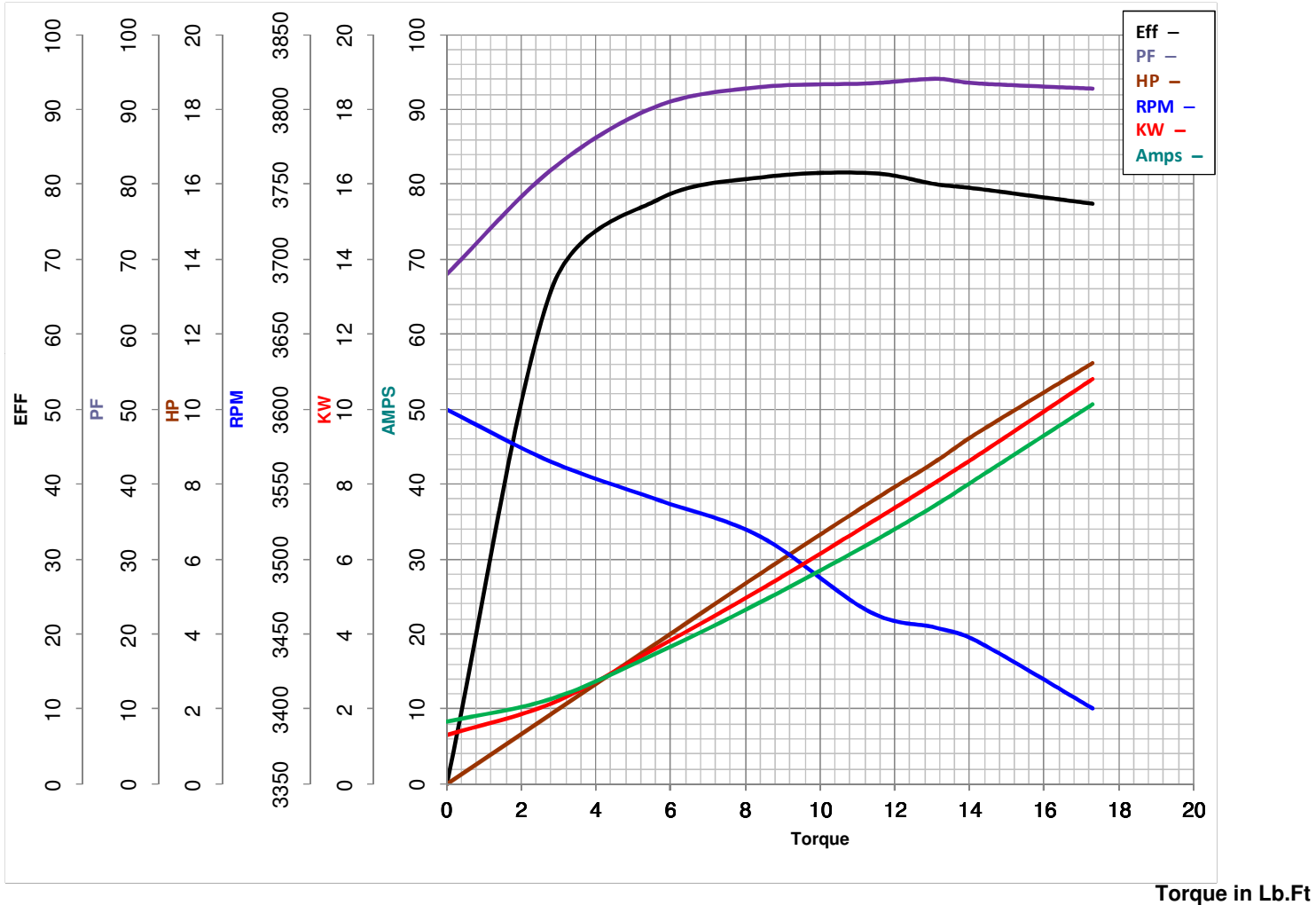
HP

VOLTS 208-230

Catalog No I224

HZ 60

RPM 3465



FL TORQUE 11.3 Lb.Ft
 BD TORQUE 25.3 Lb.Ft
 LR TORQUE 18.7 Lb.Ft

FL AMPS 36-32
 PU TORQUE 22.5 Lb.Ft
 LR AMPS 189

WINDING BK10269-1 Prepared By SRIKANTH

Date 6/20/2017