marathon®

General Purpose Motors

Model No: 213TBFW7026
Catalog No: I216

General Purpose Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 213T Frame, TEFC

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Product Information Packet: Model No: 213TBFW7026, Catalog No: I216 General Purpose Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 213T Frame, TEFC

Nameplate Specifications

Phase	**1**	Output HP	**5 Hp**
Output KW	**3.7 kW**	Voltage	**208-230 V**
Speed	**1749 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.0**	Frame	**213T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**82.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**24.5-22.0-22.0 A**
Power Factor	**89**	Duty	**Continuous**
Insulation Class	**B**	Design Code	**L**
KVA Code	**G**	Drive End Bearing Size	**6307**
Opp Drive End Bearing Size	**6206**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**

Technical Specifications

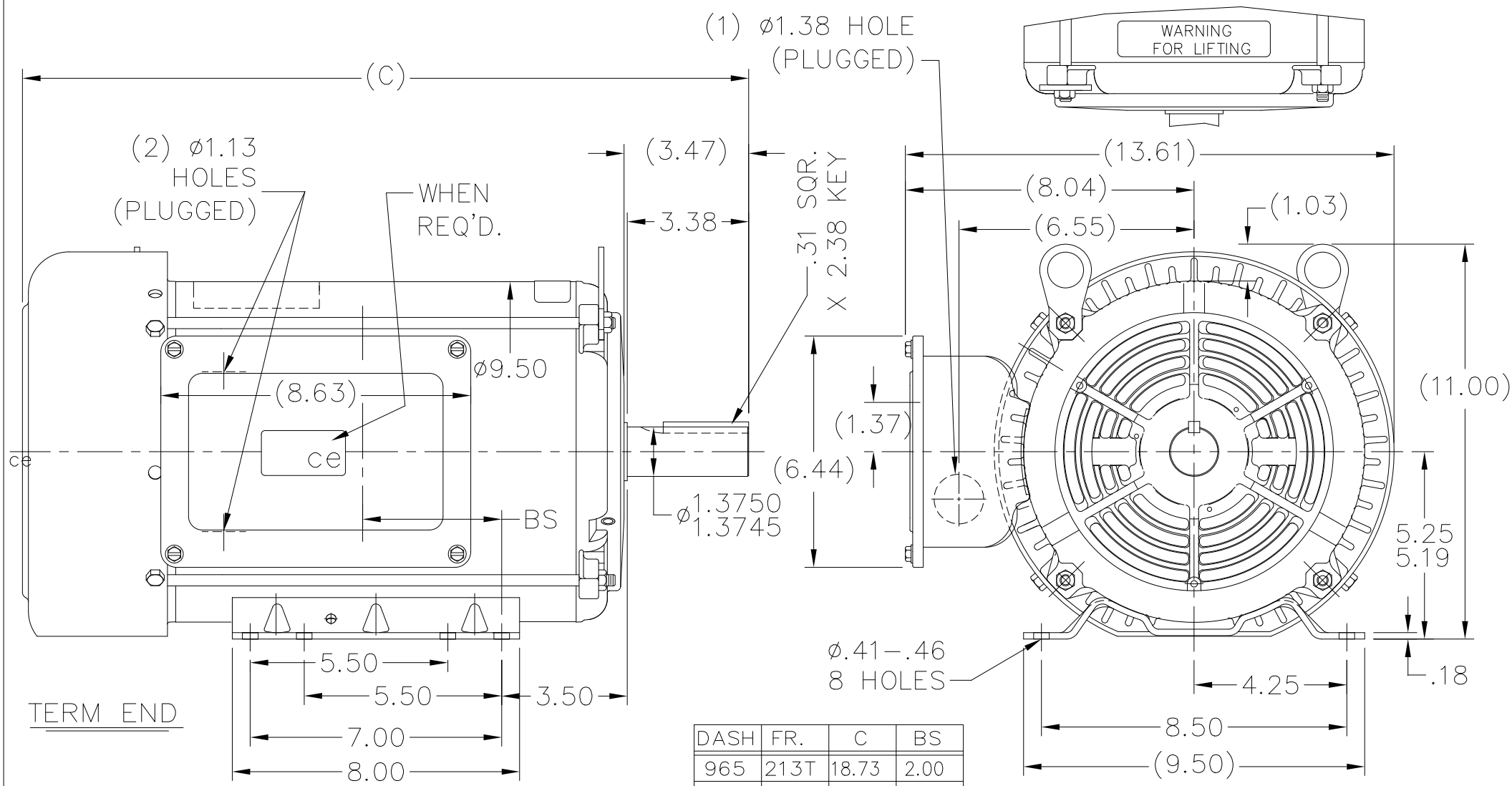
Electrical Type	**Capacitor Start Capacitor Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Selective Counterclockwise**
Resistance Main	**.358 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**18.73 in**
Frame Length	**9.65 in**	Shaft Diameter	**1 3/8 in**
Shaft Extension	**3.47 in**	Assembly/Box Mounting	**F1/F2 Capable**

Drawings

Connection Drawing	**A-EE9048MF**	Outline Drawing	**037646-965**

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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.

NO.	REVISION	BY & DATE	CHK
02	COND.BOX LEAD POSITION UPDATED–CR–0017070	SR 10/5/2023	
01	ADD CE DECAL PER ISAAC 11–0604	LST 2/11/11	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

MARATHON ELECTRIC

TITLE OUTLINE
210T FR. TEFC – STD 1ø

MAT'L.
FINISH
CAD FILE 037646
RFP
DIST LB

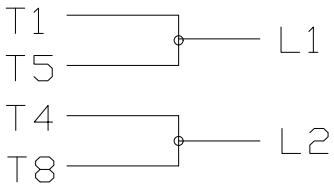
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CHK	SK 11/14/08
APPD	
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FMF	
PREV	

SIZE	DRAWING NO.	PAGE	REV.
A	037646	1 OF 1	02

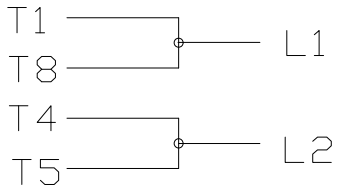
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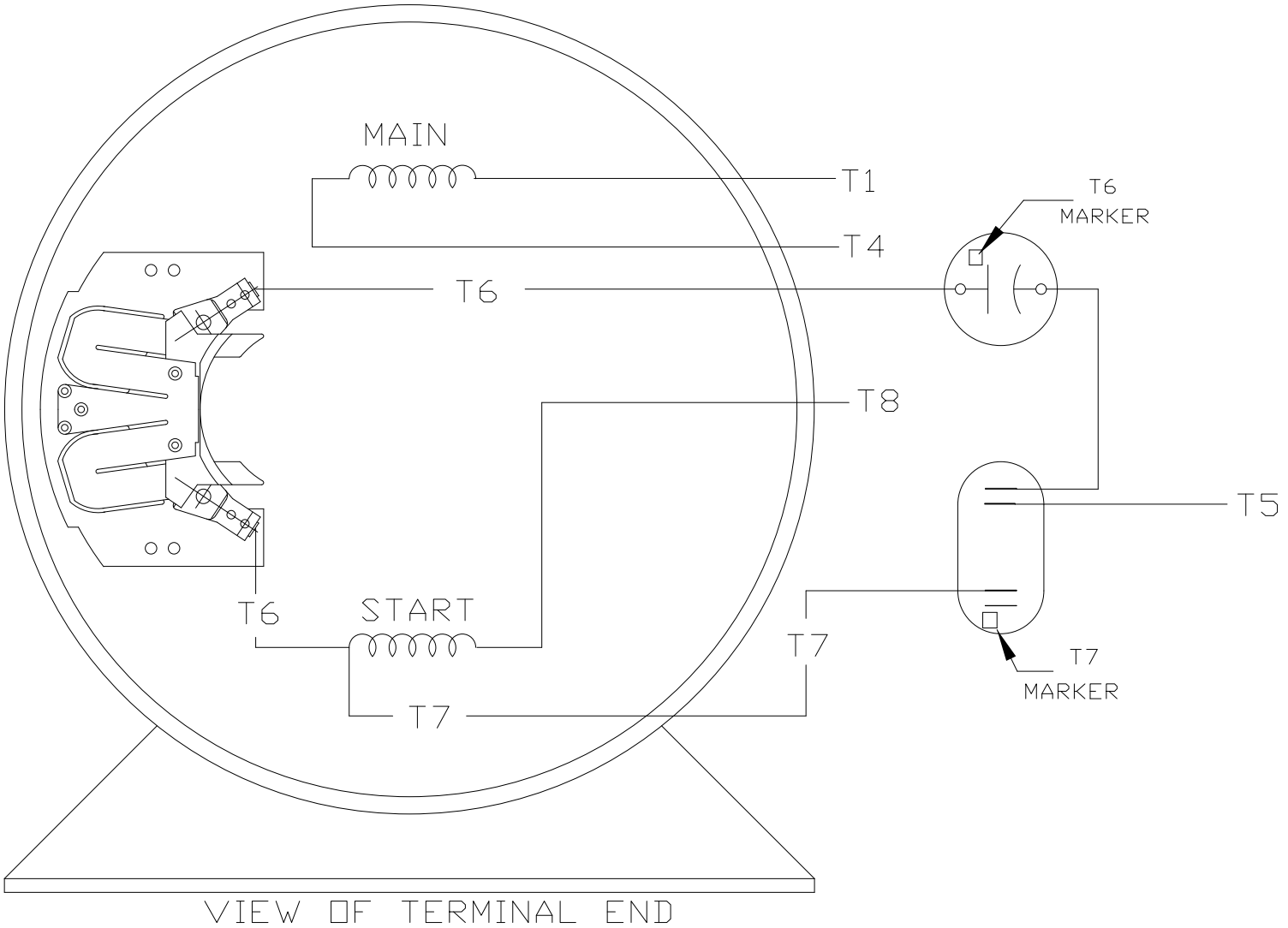
C.W. ROTATION



C.C.W. ROTATION



SINGLE VOLTAGE
CAPACITOR START
CAPACITOR RUN
REVERSIBLE



VIEW OF TERMINAL END

DRAWING REVISION C	REVISION BY SB	REV DATE/ © DATE 08/20/2025	DRAWN BY GK	marathon™
REQUEST NUMBER CR-0023600	APPROVED BY SBD	DATE 08/20/2025	DATE 11/01/1986	
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED			APPROVED BY FG	DESCRIPTION: CONN DIAGRAM-EXTERNAL
			DATE 11/04/1986	
			REFERENCE	MATERIAL / PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE A / DRAWING NUMBER 4 of 5 EE9048MF / SHEET 1 OF 1

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CERTIFICATION DATA SHEET

Model#:	213TBFW7026 AB	**WINDING#:**	BK104123 NONE 2
CONN. DIAGRAM:	A-EE9048MF	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	037646-965		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.7	1800	1749	213T	TEFC	G	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	208-230	24.5-22	ACROSS THE LINE	CONTINUOUS	B4	1.0	40	3300

FULL LOAD EFF: 82.5	3/4 LOAD EFF: 0	1/2 LOAD EFF: 0	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89	3/4 LOAD PF: 0	1/2 LOAD PF: 0	80	CAP START CAP RUN	6.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	130	31.4 LB-FT -	34.9 LB-FT -	70

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	- LB-FT^2	0 LB-FT^2	0 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 6307	BALL 6206	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

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

*
NOTES
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