marathon®

General Purpose Motors

Model No: 215TBDW7079
Catalog No: I144

General Purpose Motor, 3 HP, 1 Ph, 60 Hz, 230 V, 1200 RPM, 215T Frame, DP

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Product Information Packet: Model No: 215TBDW7079, Catalog No: I144 General Purpose Motor, 3 HP, 1 Ph, 60 Hz, 230 V, 1200 RPM, 215T Frame, DP

Nameplate Specifications

Phase	**1**	Output HP	**3 Hp**
Output KW	**2.2 kW**	Voltage	**230 V**
Speed	**1155 r/min**	Synchronous RPM	**1200 r/min**
Service Factor	**1.15**	Frame	**215T**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**80 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**16.0 A**
Power Factor	**78**	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	**22**	Number of Speeds	**1**

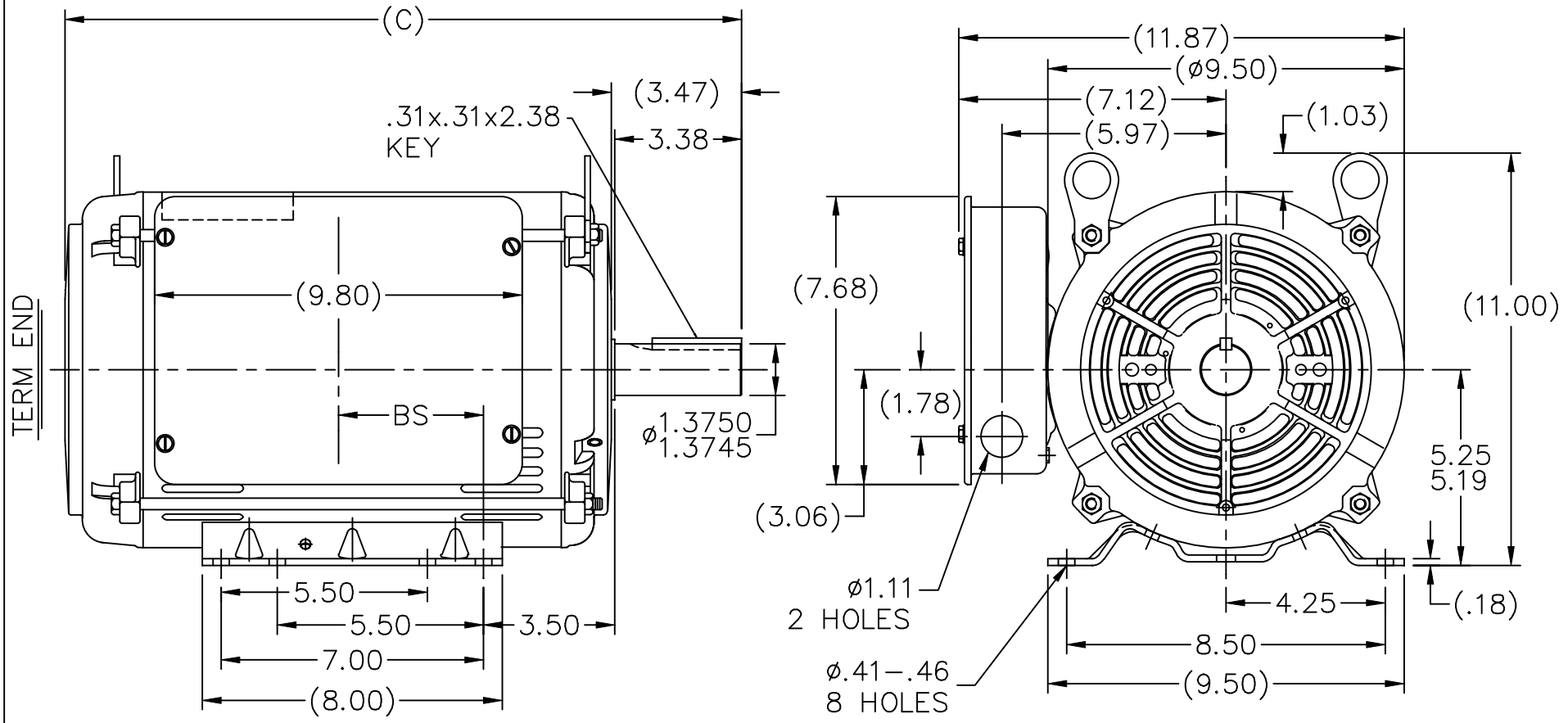
Technical Specifications

Electrical Type	**Capacitor Start Capacitor Run**	Starting Method	**Across The Line**
Poles	**6**	Rotation	**Selective Counterclockwise**
Resistance Main	**.593 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	**18.05 in**
Frame Length	**11.15 in**	Shaft Diameter	**1 3/8 in**
Shaft Extension	**3.47 in**	Assembly/Box Mounting	**F1 Only**

Drawings

Connection Drawing	**A-EE9048MF**	Outline Drawing	**A-SS86561-1115**

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DASH	FR.	C	BS
965	213T	16.55	2.45
1115	213/15T	18.05	3.95
1240	213/15T	19.30	5.20

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

NO.	REVISION	BY & DATE	CHK
10	CHG. C'BOX BACK TO OLD BOX 07–1847	RWR 04–14–2008	
9	NEW C'BOX 07–1847	RJW 01–07–2008	ML
8	UPDATED DRAWING	TJW 04–27–2007	
7	REDRAWN IN AUTOCAD	TAT 05–19–2005	ML
6	REM. 2 ADD'L ø1.38 CONDUIT BOX HOLES CN 26624	MRB 07–16–1998	
5	ADDED ADD'L ø1.38 HOLE TO COND. BOX CN 26000–304	MJD 04–23–1998	

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

MARATHON ELECTRIC

TITLE OUTLINE
210 T FR. – BB – TS – DR.PR.

MAT'L.

FINISH

CAD FILE ss86561

RFP

DIST LB

DRAWN	SLJ 09–01–1994
CHK	SMC 09–01–1994
APPD	DRN 09–01–1994
SCALE	1=4.2
REF	
FMF	
PREV	

SIZE	DRAWING NO.	PAGE	OF	REV.
A	SS86561			10

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4/15/2008 1:39:16 PM -

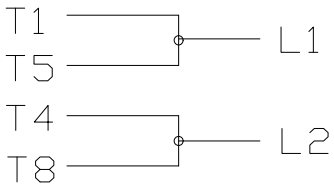
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OFFENDING COMMAND: --nostringval--

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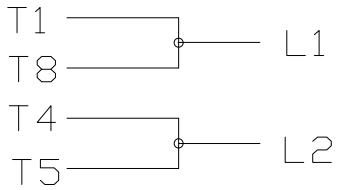
/im
-savelevel-
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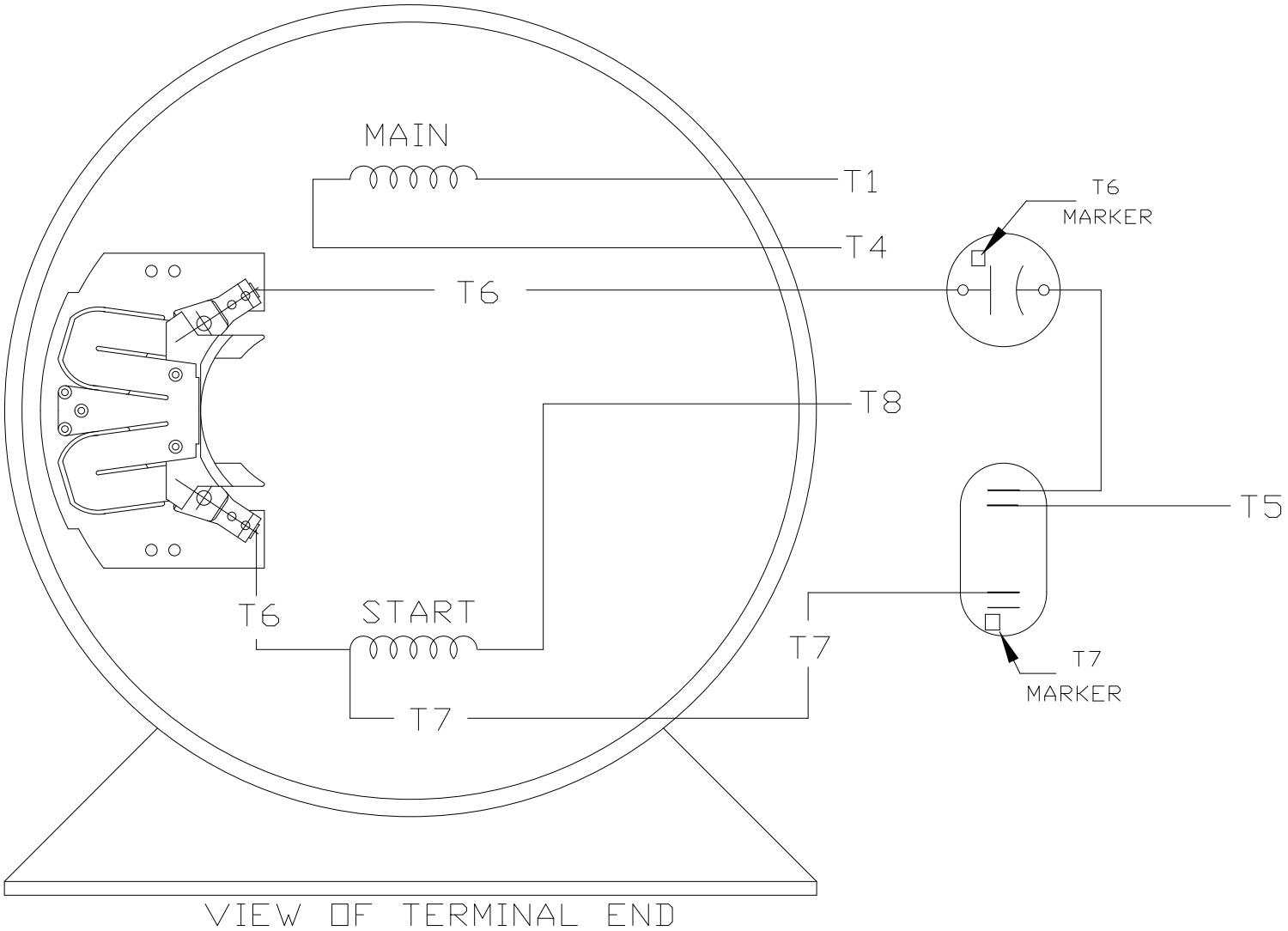
C.W. ROTATION



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
REQUEST NUMBER CR-0023600	APPROVED BY SBD	DATE 08/20/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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DRAWN BY GK	
DATE 11/01/1986	
APPROVED BY FG	DESCRIPTION CONN DIAGRAM-EXTERNAL
DATE 11/04/1986	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE A / DRAWING NUMBER 5 of 6 EE9048MF / SHEET 1 OF 1

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CERTIFICATION DATA SHEET

Model#:	215TBDW7079 AB	**WINDING#:**	BK10623 NONE 2
CONN. DIAGRAM:	A-EE9048MF	**ASSEMBLY:**	F1 ONLY
OUTLINE:	A-SS86561-1115		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	1200	1155	215T	DP	G	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	230	16	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: 80	3/4 LOAD EFF: 80.5	1/2 LOAD EFF: 77	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 78	3/4 LOAD PF: 74	1/2 LOAD PF: 65	0	CAP START CAP RUN	7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
13.6 LB-FT	77	16 LB-FT 0	24.6 LB-FT 0	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 LB-FT^2	- LB-FT^2	- 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	GRAY (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	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
NONE FT-LB NONE V NONE Hz

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FORM 3531 REV.3 02/07/99
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