PRODUCT INFORMATION PACKET

Model No: 215TTFW7608
Catalog No: 215TTFW7608
10,3000,TEFC,215JM,3/50/220-240/380-415

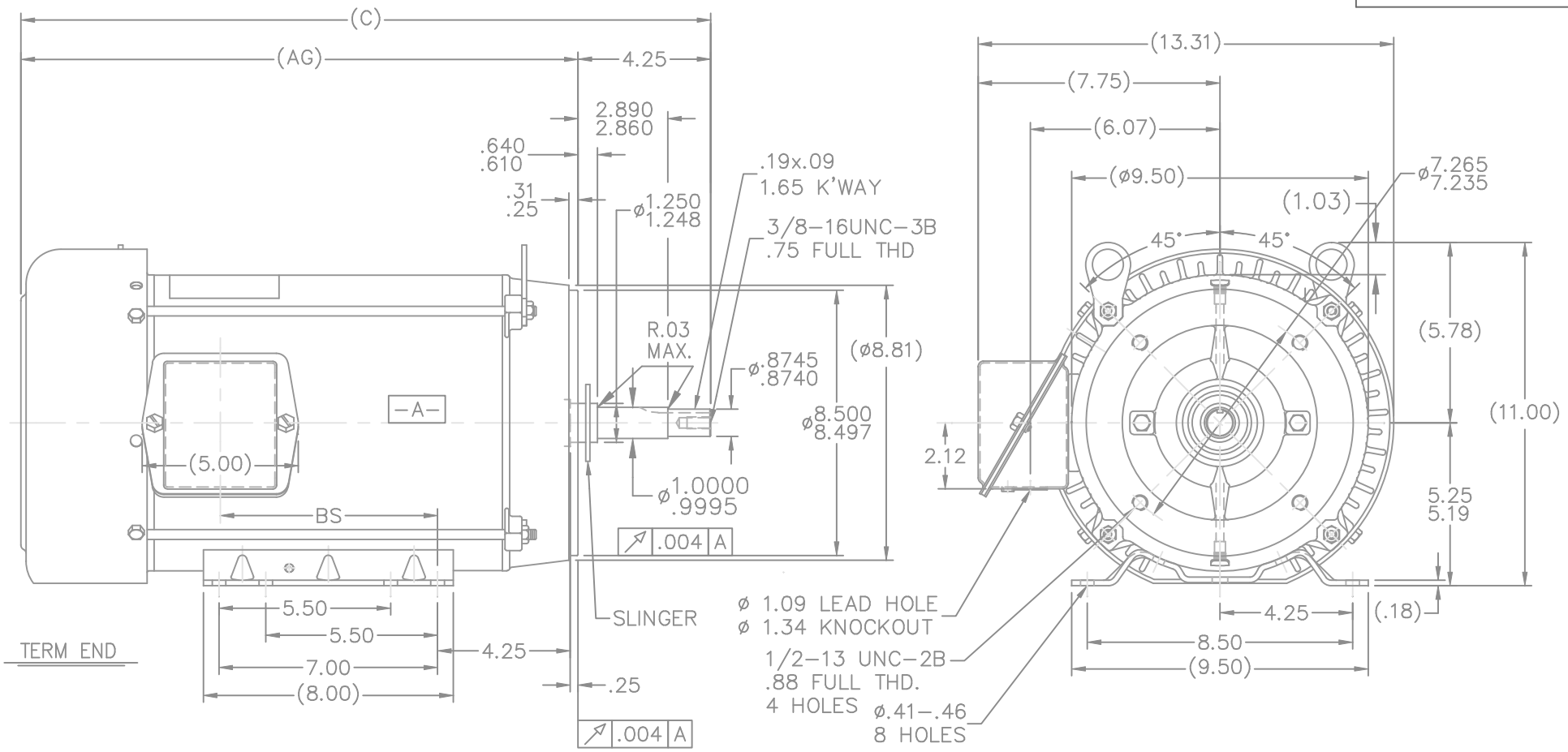
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	50 Hz	Voltage	220-240/415-380 V
Current	25.0-23.7/13.7-15.0 A	Speed	2935 rpm
Service Factor	1	Phase	3
Efficiency	87.5 %	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	215JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	50 °C
Drive End Bearing Size	309	Opp Drive End Bearing Size	206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.83 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	A-SS86629-1115	Connection Drawing	A-EE7304

SS86629



DASH	FR.	C	AG	BS	MOUNTING
965	213T	20.59	16.34	5.43	
1115	213/15T	22.09	17.84	6.93	
1240	213/15T	23.34	19.09	8.18	F1 ONLY

NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CON BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)

NO.	REVISION	BY & DATE	CHK
6	UPDATED DRAWING	TJW 04/30/2007	
5	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML
4	UPDATED C' BOX GEOMETRY CN 28425	DRS 01-14-2000	
3	REVISED MOUNTING HOLES ON C' FACE WAS .75	MJD 06-18-1998	
	FULL THREAD CN 25600-210		
2	REMOVED GRD. SCREW FROM FRAME CN 24453	MJD 10-01-1997	

TOLERANCES UNLESS SPECIFIED

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

MARATHON ELECTRIC

TITLE OUTLINE
210T JM–BB–TS–TEFC–R/S–C' FACE

DRAWN	DRS 09–06–1996
CHK	ML 09–20–1996
APPD	DN 09–20–1996
SCALE	1=5
REF	
FMF	
PREV	

MAT'L.
FINISH

RFP
DIST LB
CAD FILE ss86629

SIZE	DRAWING NO.	PAGE	OF	REV.
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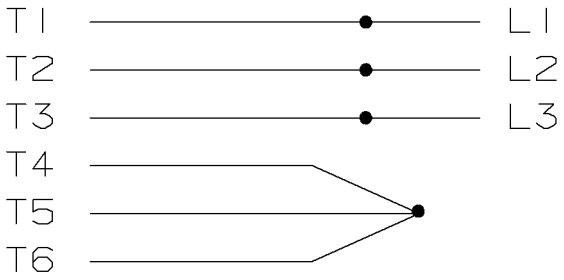
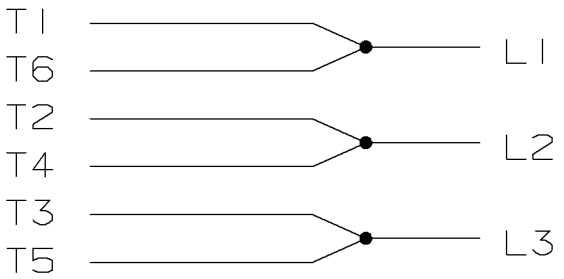
A- EE7304

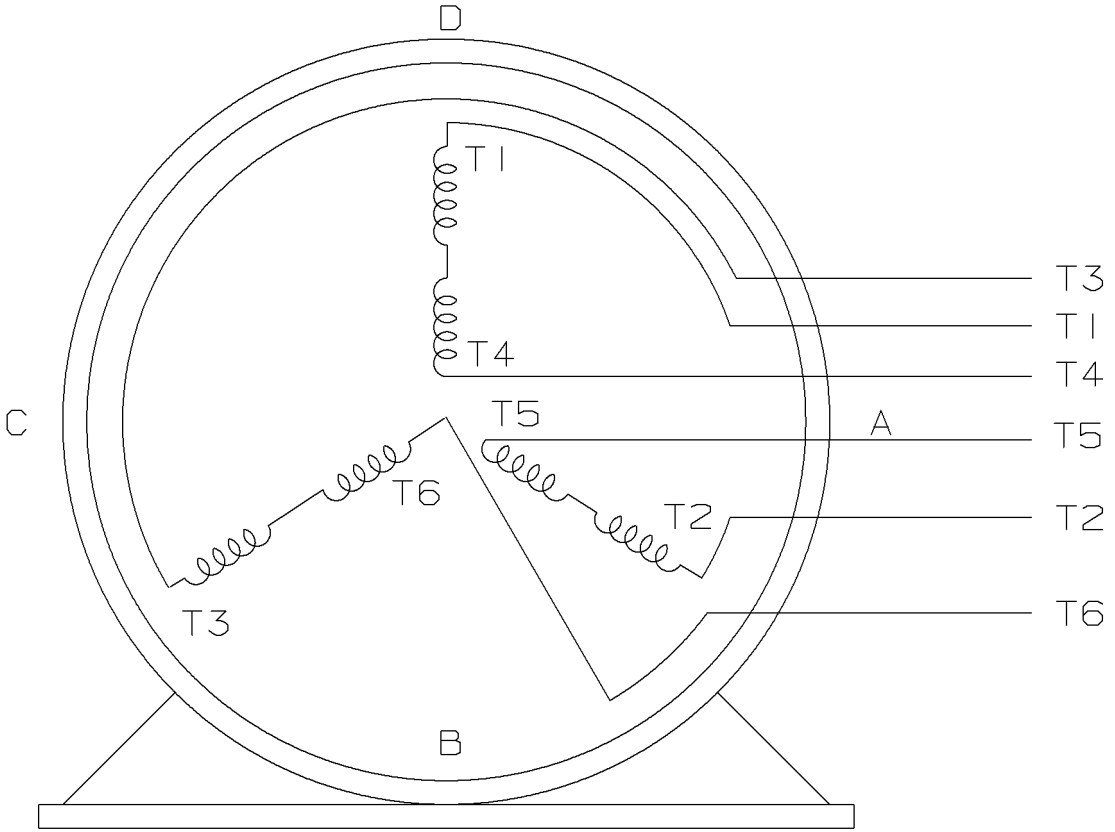
THREE PHASE - DUAL VOLTAGE

HIGH VOLTAGE "Y" CONNECTION



LOW VOLTAGE - DELTA





VIEW OF TERMINAL END

T2DL
T2C
T4CC
T4AY
T4AZ
WP =T4J1

REV	DATE	CHANGE	NAME
9	01-24-1994	REDRAWN ON CADD	LZ

√ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOL. ON XX± .02 XXX± .005 XXXX± .0005 ANGLES± 7'30"

MATL SPEC

FINISH

REFERENCE DRW.

MARATHON ELECTRIC
WAUSAU, WISCONSIN 54401

DRAWN BY	LZ	01-04-1994
CHKD BY	ML	01-18-1994
APPD BY	GK	01-18-1994

PART NAME CONNECTION DIAGRAM
THREE PHASE, DUAL VOLTAGE

DRWG NO A- EE7304

SHOP BOOK | PURCHASED | DISTRIBUTION - WA - LB - WP - LM - BR | CADD FILE NO. EE7304

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Data Sheet

Date: 8/1/2022
Customer:
Attention:
Submitted by: CHANDANA DESU

marathon® Motors

215TTFW7608

Submittal

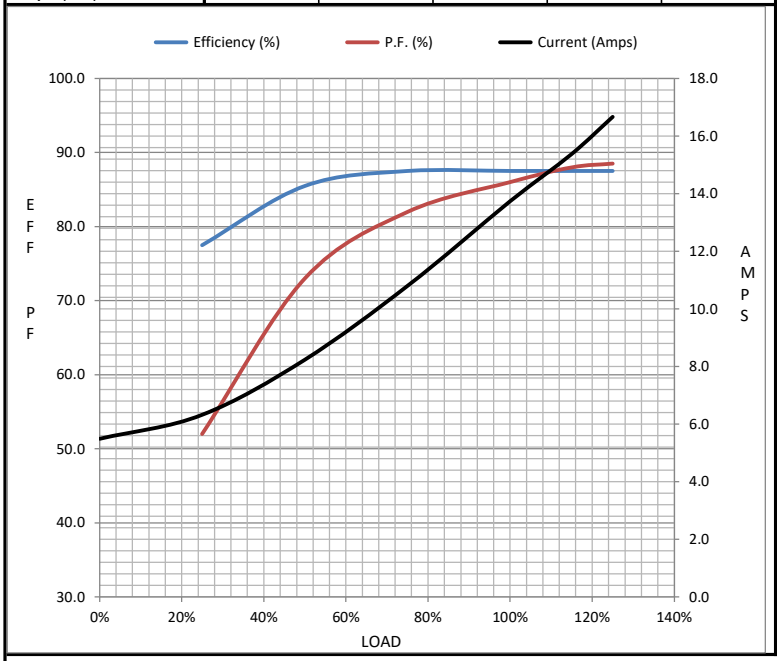
Data @ 415 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.5	6.3	8.2	10.8	13.7	15.4	16.7	93.4	
Torque (ft-lb)	0.00	4.4	8.9	13.5	18.0	20.6	22.5	36.5	
RPM	3000	2985	2965	2950	2935	2,925	2915	0	
Efficiency (%)		77.5	85.5	87.5	87.5	87.5	87.5		
P.F. (%)	11.0	52.0	73.0	82.0	86.0	88.0	88.5	43.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1500	2500	2935	3000
Current (Amps)	93.4	84.2	59.5	13.7	5.5
Torque (ft-lb)	36.5	34.0	56.0	18.0	0.00



Information Block

HP	10.0	
Sync. RPM	3000	
Frame	215	
Enclosure	TEFC	
Construction	TFW	
Voltage	220-240/380-415	V
Frequency	50	Hz
Design	B	
LR Code letter	H	
Service Factor	1.15	
Temp Rise @ FL	65	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	0.305	Lb-Ft²
Ref Wdg	K2152171 NONE	
Sound Pressure @ 1M	75	dBA
VFD Rating	NONE	
Outline Dwg	A-SS86629-1115	
Conn. Diag	A-EE7304	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.6940	0.4160	1.4990	1.2630	45.1200

Speed -Torque Curve