marathon®

General Purpose Motors

Model No: 213TTFBD6089
Catalog No: GT1861

General Purpose Motor, 3 HP, 3 Ph, 60 Hz, 200 V, 1200 RPM, 213T Frame, TEFC

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Product Information Packet: Model No: 213TTFBD6089, Catalog No: GT1861 General Purpose Motor, 3 HP, 3 Ph, 60 Hz, 200 V, 1200 RPM, 213T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**3 Hp**
Output KW	**2.2 kW**	Voltage	**200 V**
Speed	**1185 r/min**	Synchronous RPM	**1200 r/min**
Service Factor	**1.15**	Frame	**213T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**89.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**9.9 A**
Power Factor	**73**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**J**	Drive End Bearing Size	**6307**
Opp Drive End Bearing Size	**6206**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

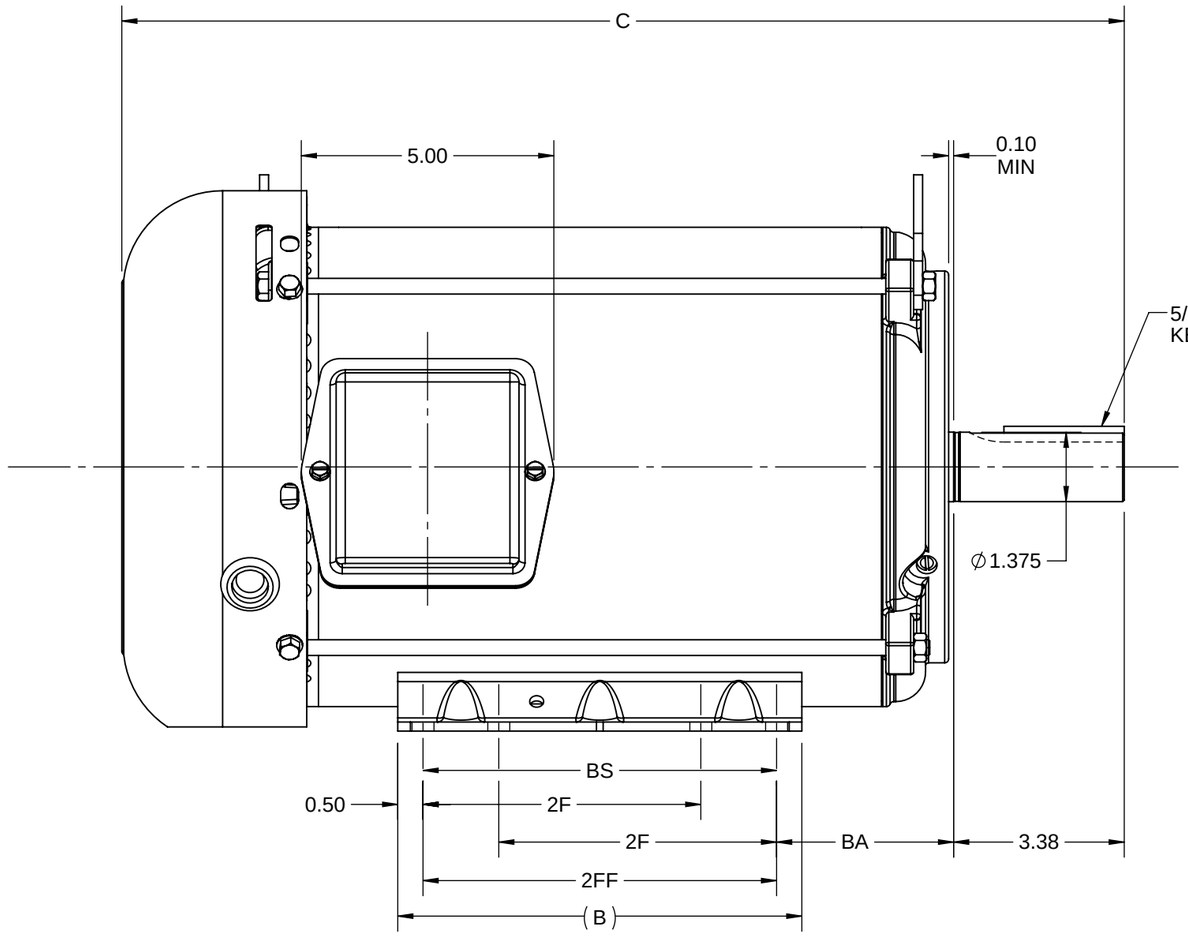
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**3.486 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 10:1/Variable 10:1**		

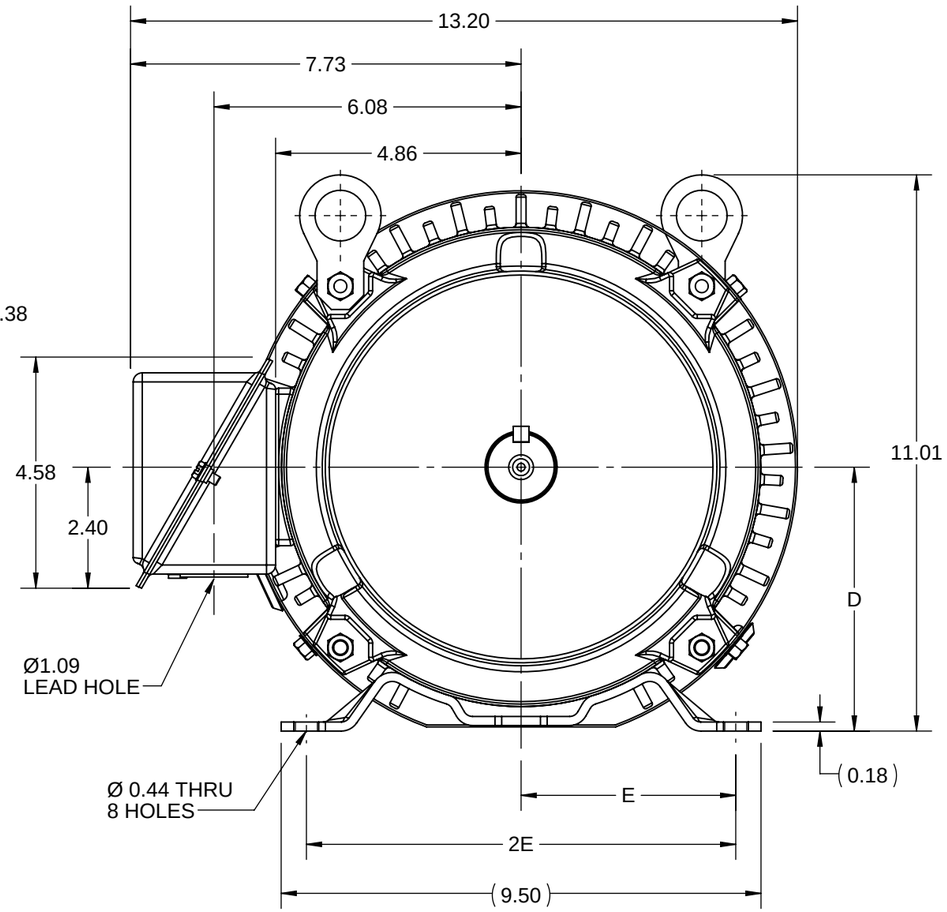
Drawings

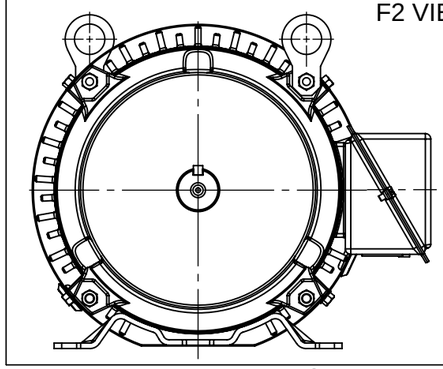
Connection Drawing	**EE7300**	Outline Drawing	**SS620737-100**

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DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	8.00	18.34	5.25	4.25	8.50	5.50	7.00	3.50	5.44	F1 OR F2	213T
200		19.84							6.94		215T







DRAWING REVISION: E	REVISION BY: SV	REV DATE/© DATE: 06/01/2026
REQUEST NUMBER: CR-0026504	APPROVED BY: RMS	DATE: 06/01/2026
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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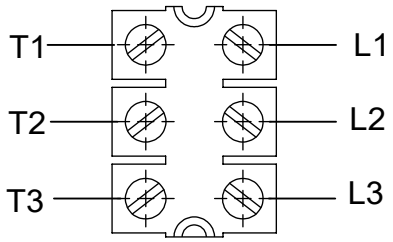
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY: WY	marathon™		
DATE: 25-02-2016			
APPROVED BY: ZYH	DESCRIPTION: OUTLINE 213/215T FR NEMA TEFC RS		
DATE: 25-02-2016			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE: B	DRAWING NUMBER: SS620737	SHEET: 1 OF 1

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

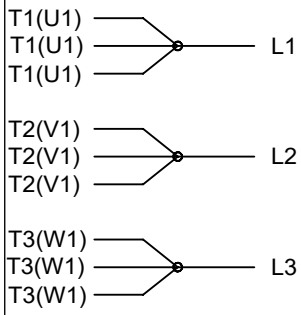
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

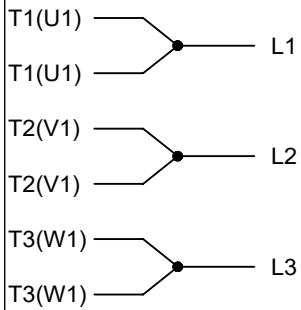


VIEW OF TERMINAL END

IF MOTOR HAS
9 LEADS



IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION

L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION: AD	REVISION BY: SB	REV DATE/© DATE: 08/01/2025
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/01/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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DRAWN BY: DA	
DATE: 03-26-1993	
APPROVED BY: TB	
DATE: 03-26-1993	
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300	1 OF 1

Data Sheet

Date: 8/29/2022
Customer:
Attention:
Submitted by:

marathon® electric

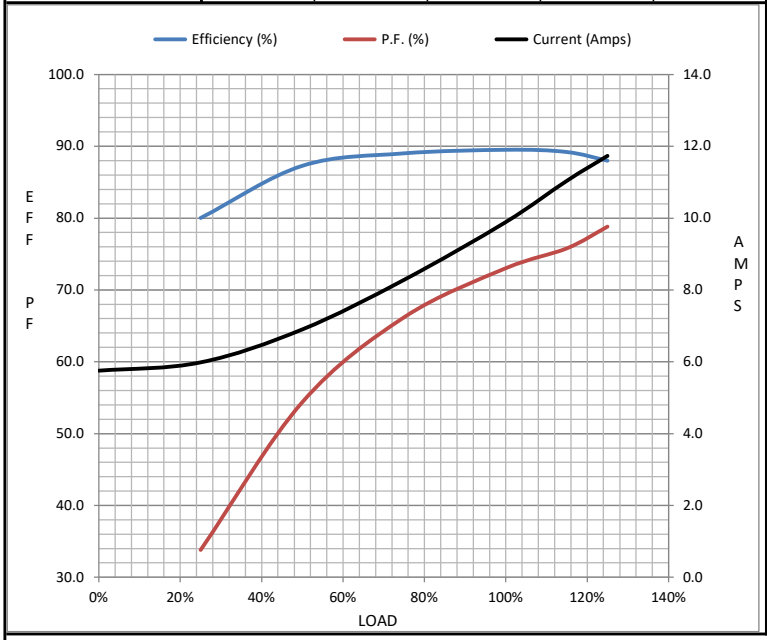
213TTFBD6089
132019.001 FAN
Submittal
Data @ 200 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.8	6.0	6.9	8.3	9.9	11.0	11.7	80.5	
Torque (ft-lb)	0.00	3.3	6.7	10.0	13.3	15.4	16.8	28.0	
RPM	1200	1195	1192	1190	1185	1,182	1180	0	
Efficiency (%)		80.0	87.3	89.0	89.5	89.2	88.0		
P.F. (%)	12.6	33.8	54.4	66.2	73.0	75.8	78.8	43.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1100	1185	1200
Current (Amps)	80.5	66.7	39.1	9.9	5.8
Torque (ft-lb)	28.0	24.0	37.0	13.3	0.00



Information Block

HP	3.0	
Sync. RPM	1200	
Frame	213	
Enclosure	TEFC	
Construction	TFB	
Voltage	200	V
Frequency	60	Hz
Design	B	
LR Code letter	J	
Service Factor	1.15	
Temp Rise @ FL	55	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	1.12	Lb-Ft²
Ref Wdg	HA31326018 NONE	
Sound Pressure @ 1M	55	dBA
VFD Rating	CONSTANT 10:1/VARIABLE 10:1	
Outline Dwg	SS620737-100	
Conn. Diag	EE7300	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.3860	0.1790	1.2060	1.6290	19.1140

Speed -Torque Curve

