marathon®

Close-Coupled Pump Motors

Model No: 213TTDBD6033
Catalog No: GT0516A

Close-Coupled Pump Motor, 7.50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 213JM Frame, DP

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Product Information Packet: Model No: 213TTDBD6033, Catalog No: GT0516A Close-Coupled Pump Motor, 7.50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 213JM Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**7.50 Hp**
Output KW	**5.6 kW**	Voltage	**575 V**
Speed	**1768 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**213JM**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**91 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**8.0 A**
Power Factor	**77.8**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Drive End Bearing Size	**6309**
Opp Drive End Bearing Size	**6206**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

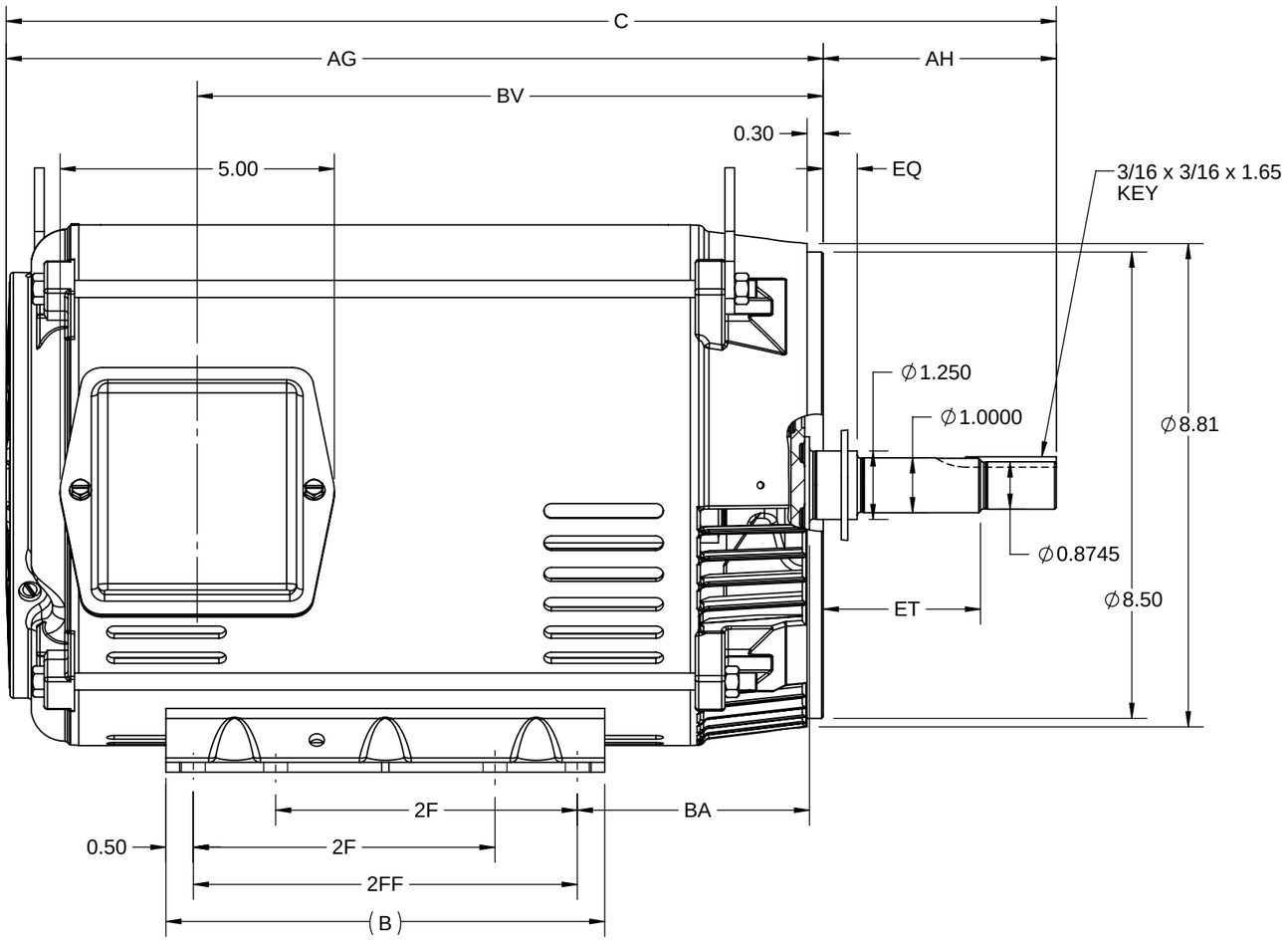
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**1.5 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JM**	Overall Length	**19.22 in**
Frame Length	**11.15 in**	Shaft Diameter	**0.874 in**
Shaft Extension	**4.25 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 10:1/Variable 10:1**		

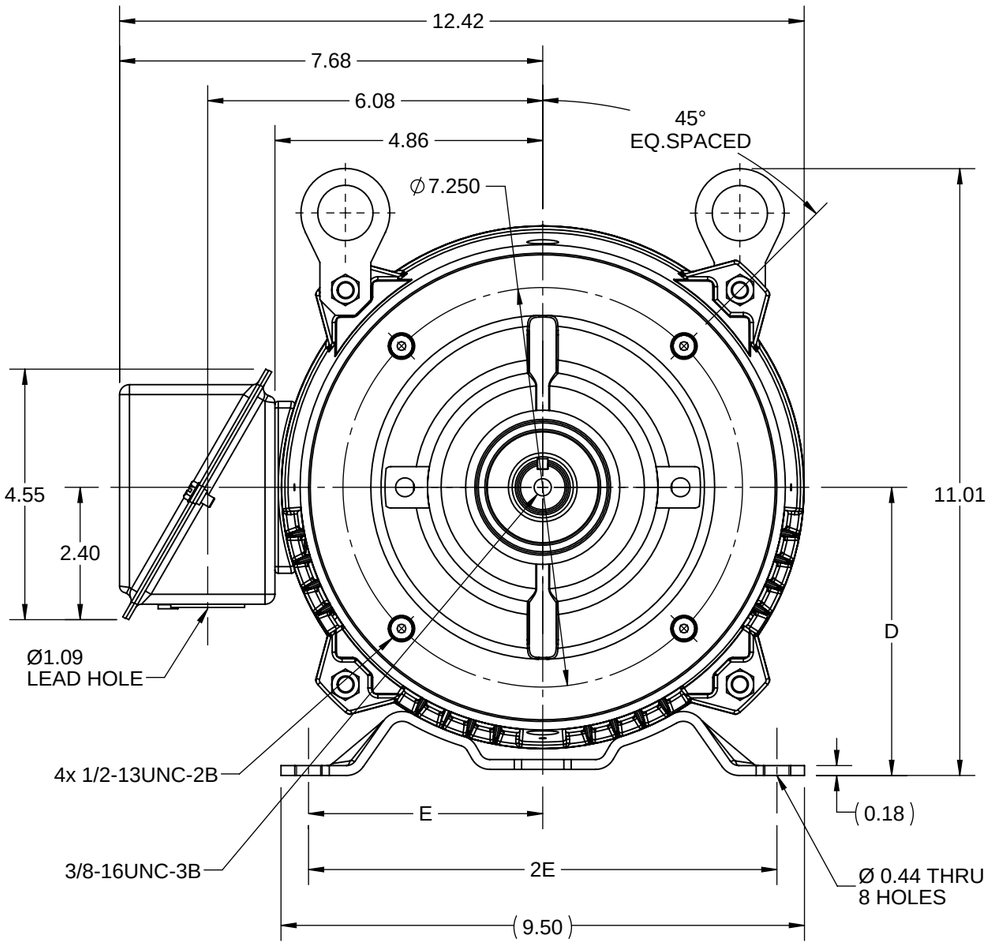
Drawings

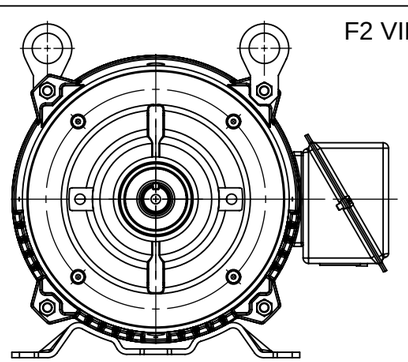
Connection Drawing	**EE7300**	Outline Drawing	**SS620792**

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B	C	D	E	2E	2F	2FF	AG	AH	BV	BA	EQ	ET	MOUNTING
8.00	19.15	5.25	4.25	8.50	5.50	7.00	14.90	4.25	11.42	4.25	0.62	2.87	F1 OR F2







DRAWING REVISION: F	REVISION BY: SB	REV DATE/© DATE: 06/04/2026
REQUEST NUMBER: CR-0026504	APPROVED BY: RMS	DATE: 06/04/2026
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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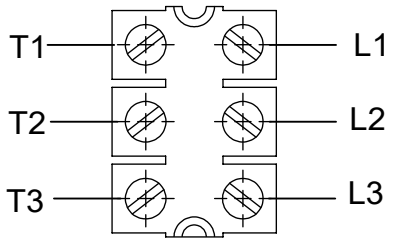
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY: ZXY	marathon™	
DATE: 04/01/2017		
APPROVED BY: CL	DESCRIPTION: OUTLINE 213/215JM FR NEMA ODP RS	
DATE: 04/01/2017		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS620792	SHEET: 1 OF 1

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

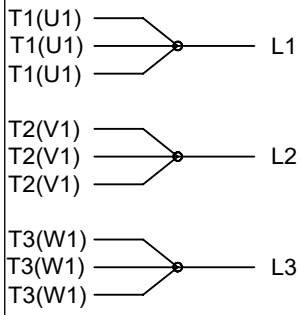
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

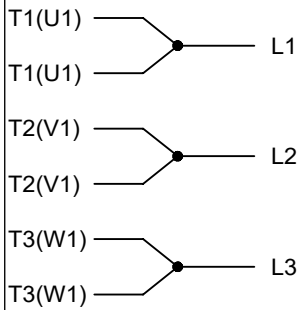


VIEW OF TERMINAL END

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: 12/2/2021
Customer:
Attention:
Submitted by:

marathon® Motors

213TTDBD6033

Submittal

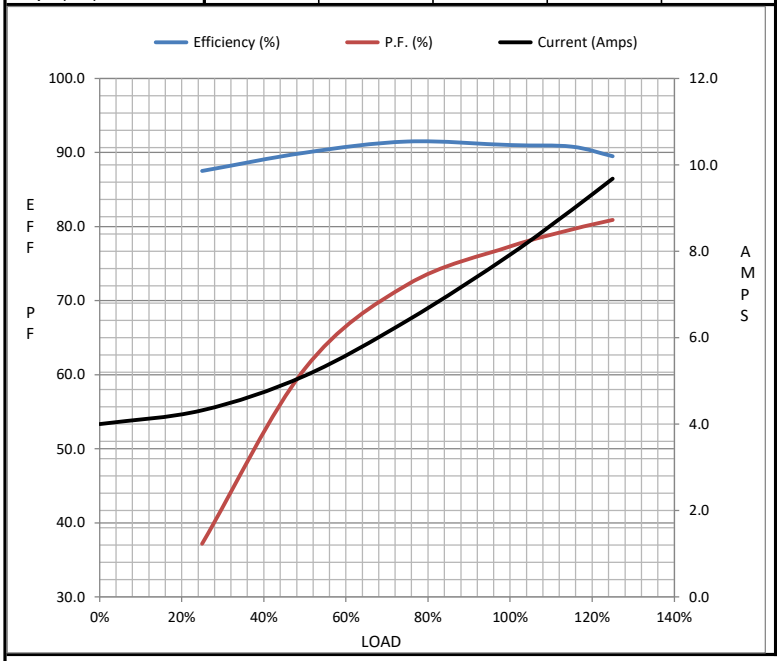
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	4.0	4.3	5.1	6.4	7.9	9.0	9.7	48.0	
Torque (ft-lb)	0.00	5.5	11.0	16.7	22.3	25.8	28.0	49.7	
RPM	1800	1792	1785	1775	1766	1,760	1755	0	
Efficiency (%)		87.5	90.0	91.5	91.0	90.8	89.5		
P.F. (%)	11.3	37.2	60.8	72.2	77.3	79.6	80.9	45.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1585	1766	1800
Current (Amps)	48.0	43.2	27.2	7.9	4.0
Torque (ft-lb)	49.7	37.5	72.4	22.3	0.00



Information Block

HP	7.5	
Sync. RPM	1800	
Frame	213	
Enclosure	DP	
Construction	TDB	
Voltage	575	V
Frequency	60	Hz
Design	B	
LR Code letter	H	
Service Factor	1.15	
Temp Rise @ FL	40	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	9.8	Lb-Ft²
Ref Wdg	HA31324018 NONE	
Sound Pressure @ 1M	47	dBA
VFD Rating	CONSTANT 2:1/VARIABLE 20:1	
Outline Dwg	SS620792	
Conn. Diag	EE7300	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.5710	0.8680	4.5010	4.8900	85.2270

Speed -Torque Curve

