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Close-Coupled Pump Motors

Model No: 213TTDBD6037
Catalog No: GT2416A

Close-Coupled Pump Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 213JP Frame, DP

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Product Information Packet: Model No: 213TTDBD6037, Catalog No: GT2416A Close-Coupled Pump Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 213JP Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**7.50 & 5 Hp**
Output KW	**5.6 & 3.7 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1768 & 1475 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**213JP**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**91 & 90 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**20/10 & 17/8.5 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

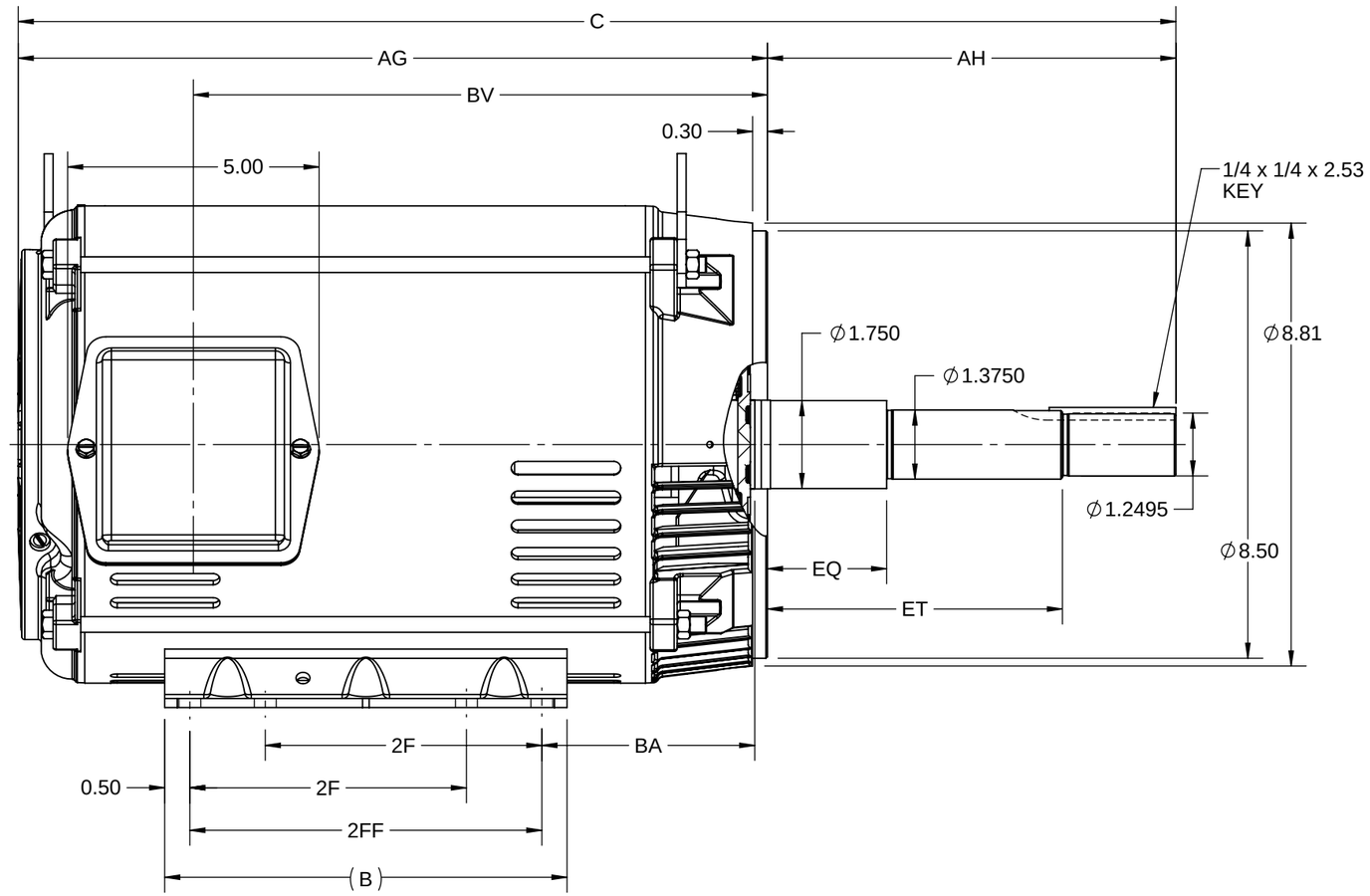
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**1.5 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JP**	Overall Length	**23.11 in**
Frame Length	**11.15 in**	Shaft Diameter	**1.249 in**
Shaft Extension	**8.39 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1/Variable 10:1**		

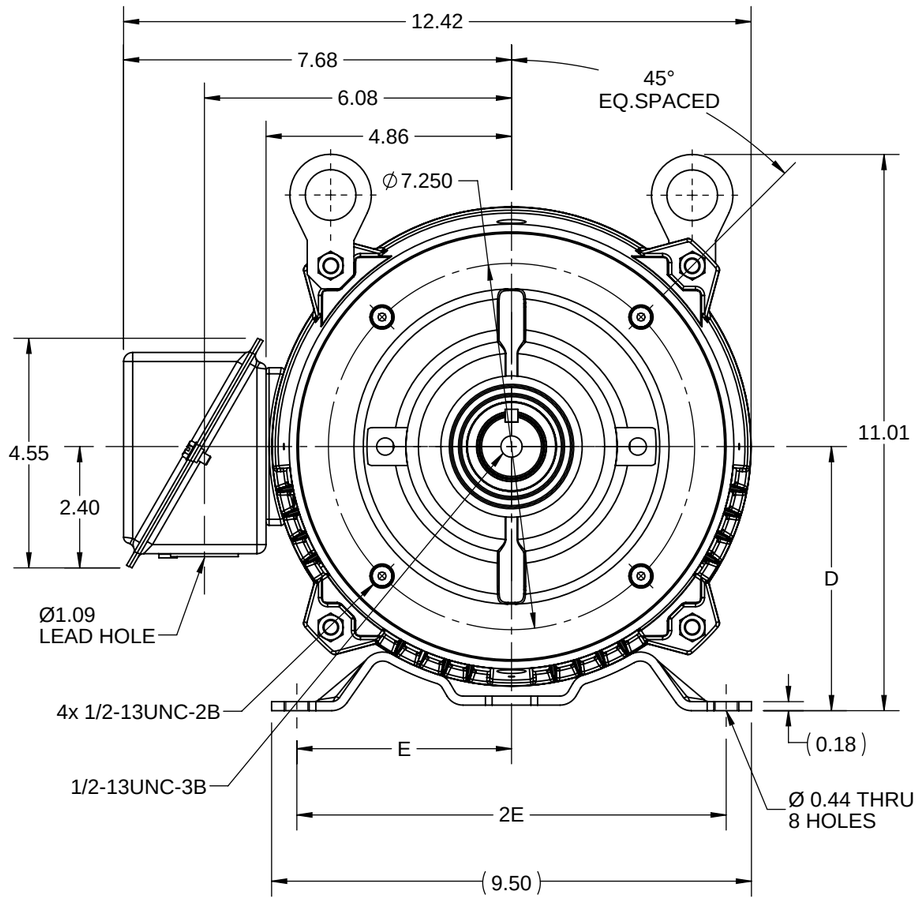
Drawings

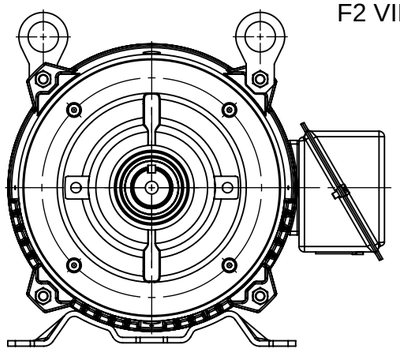
Connection Drawing	**EE7308**	Outline Drawing	**SS620793**

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B	C	D	E	2E	2F	2FF	AG	AH	BV	BA	EQ	ET	MOUNTING
8.00	23.02	5.25	4.25	8.50	5.50	7.00	14.90	8.12	11.42	4.25	2.37	5.87	F1 OR F2







DRAWING REVISION	REVISION BY	REV DATE/© DATE
G	SV	05/22/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026372	RMS	05/22/2026

REQUEST NUMBER DESCRIPTION
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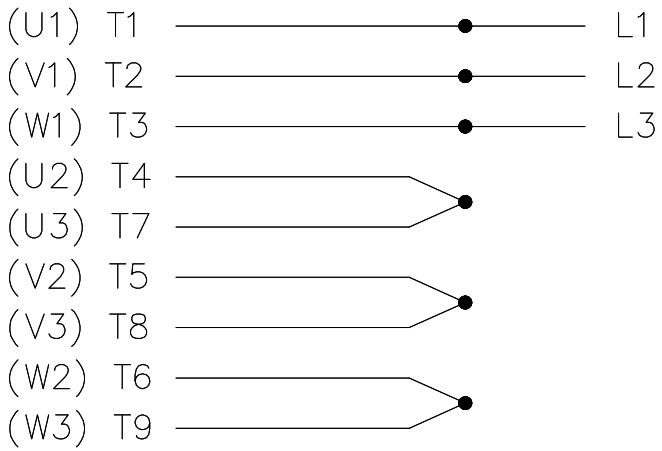
DRAWN BY	DESCRIPTION
ZXY	OUTLINE
DATE	213/215JP FR NEMA ODP RS
01/01/2017	
APPROVED BY	
WANG YANG	
DATE	
01/01/2017	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER SS620793 / SHEET 1 OF 1

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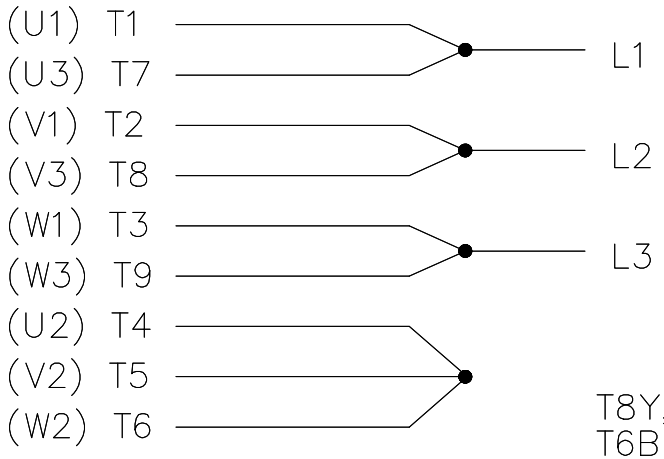
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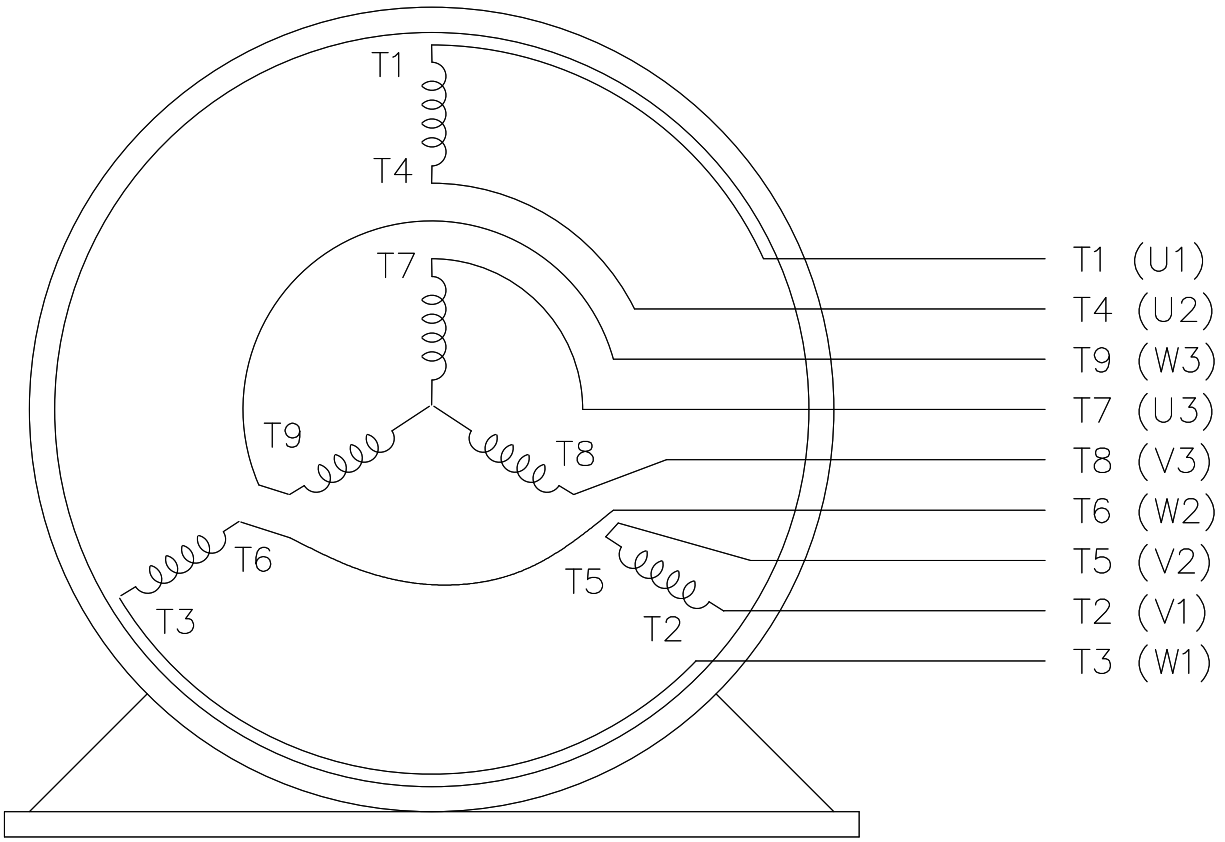
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE





VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD CONNECTION

L1	WHITE
L2	RED
L3	BLACK

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

REQUEST NUMBER DESCRIPTION
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DRAWN BY: RM	
DATE: 11/20/1990	
APPROVED BY: SAS	
DATE: 04/24/2003	
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø - DUAL VOLTAGE MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	4 of 5 EE7308	1 OF 1

Data Sheet

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

marathon® Motors

213TTDBD6037

Submittal

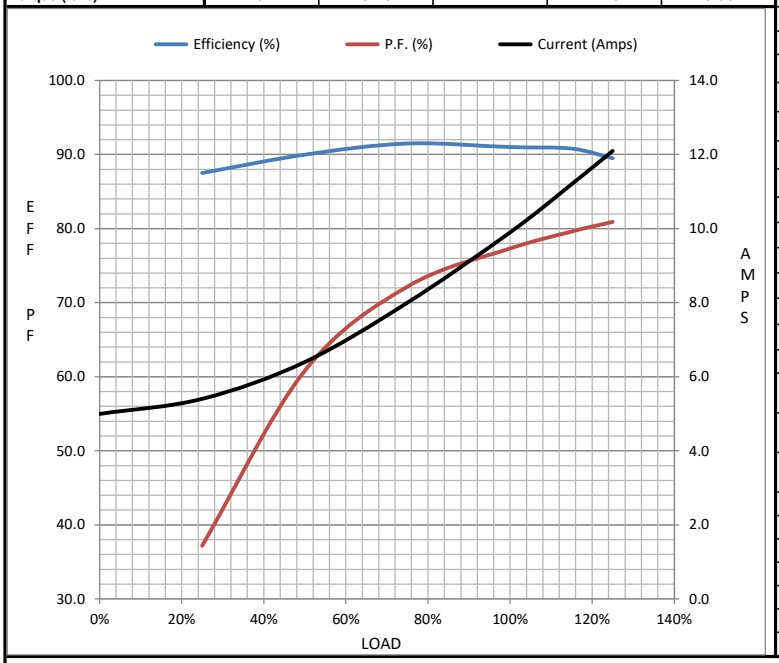
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.0	5.4	6.4	8.0	9.9	11.2	12.1	60.0	
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)	60.0	54.0	34.0	9.9	5.0
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	230/460#190/380	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	SS620793	
Conn. Diag	EE7308	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.0050	0.5560	2.8800	3.1300	54.5450

Speed -Torque Curve

