marathon®

General Purpose Motors

Model No: 324TTDBD6035
Catalog No: GT2173

General Purpose Motor, 40 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 324TC Frame, DP

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Product Information Packet: Model No: 324TTDBD6035, Catalog No: GT2173 General Purpose Motor, 40 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 324TC Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**40 Hp**
Output KW	**30.0 kW**	Voltage	**575 V**
Speed	**1780 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**324TC**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**94.1 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**38.0 A**
Power Factor	**83.5**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6312**
Opp Drive End Bearing Size	**6311**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

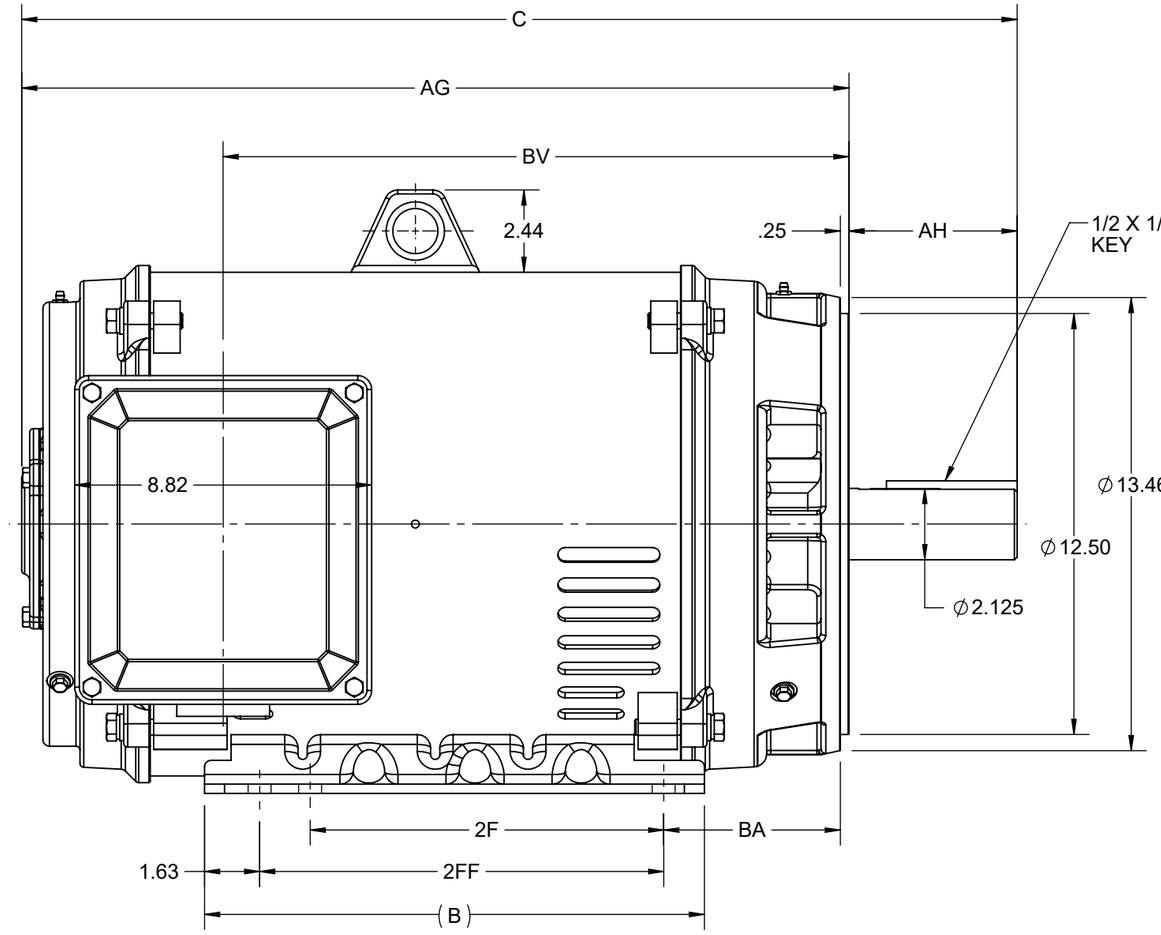
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.209 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Shaft Diameter	**2.125 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 4:1/Variable 10:1**

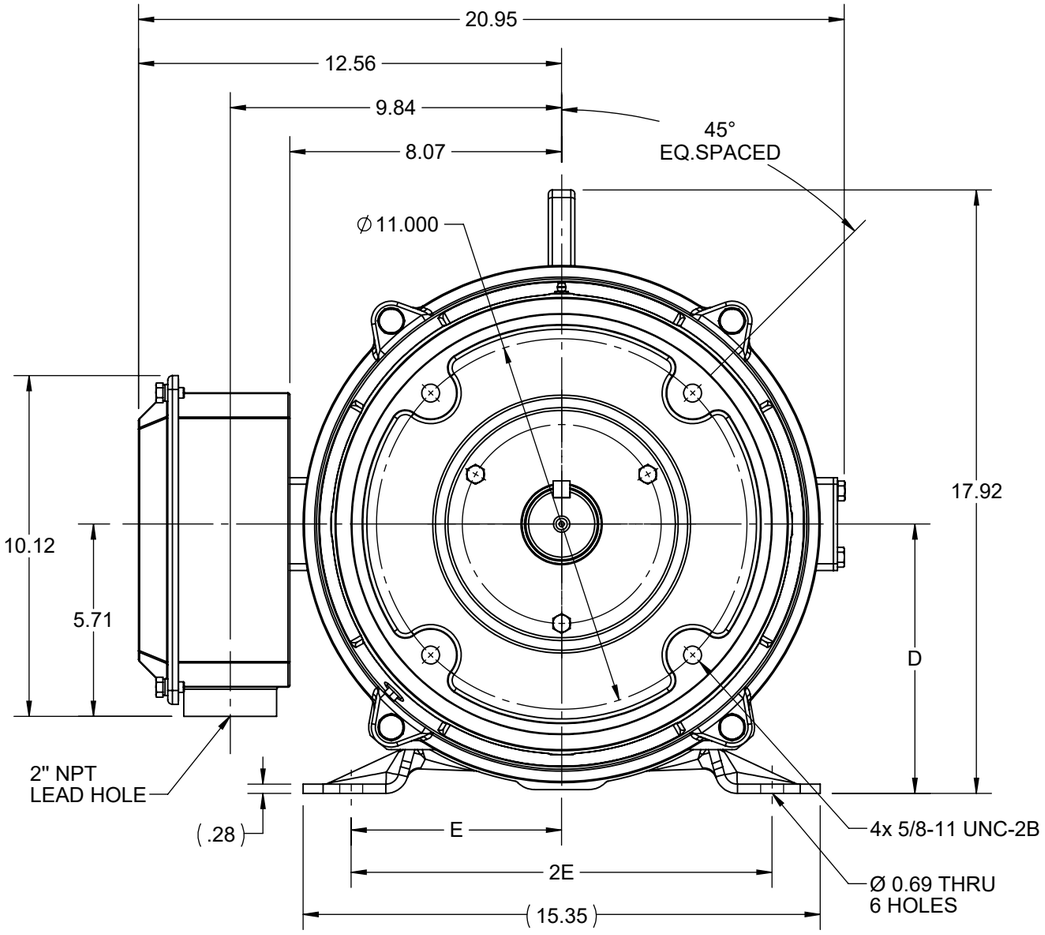
Drawings

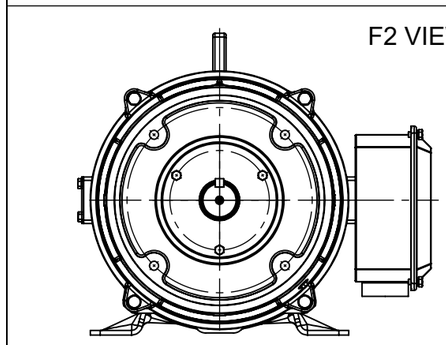
Connection Drawing	**EE7300**	Outline Drawing	**SS620747-100**

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DASH NO.	B	C	D	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME
100	14.85	28.38	8.00	6.25	12.50	10.50	12.00	23.39	5.00	5.25	17.40	F1 OR F2	324TC
200		29.56						24.57			18.58		326TC







DRAWING REVISION	REVISION BY	REV DATE/© DATE
E	CP	10/29/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0024536	VS	10/29/2025

REQUEST NUMBER DESCRIPTION
ADDED F2 MOUNTING PLATE

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APPROVED BY	
DATE	
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
OUTLINE
324/326TC FR NEMA ODP RS

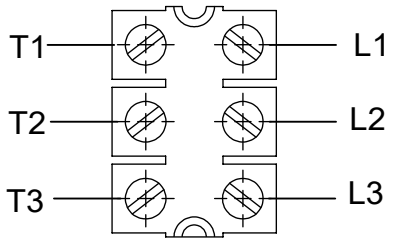
MATERIAL | PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
B	SS620747	1 OF 1

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

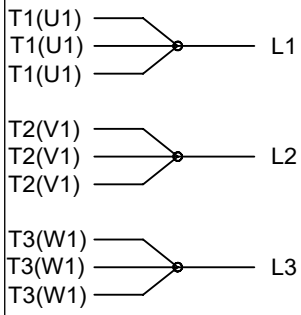
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

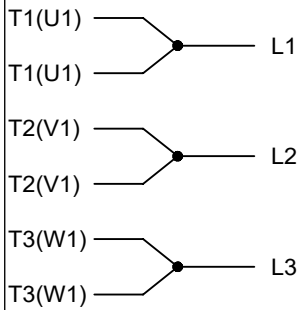


VIEW OF TERMINAL END

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

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DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300	1 OF 1