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General Purpose Motors

Model No: 324TSTFCD6026
Catalog No: GT1059

General Purpose Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 324TS Frame, TEFC

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Product Information Packet: Model No: 324TSTFCD6026, Catalog No: GT1059 General Purpose Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 324TS Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**40 & 30 Hp**
Output KW	**30.0 & 22.4 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1782 & 1485 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**324TS**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**94.1 & 94.2 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**95/47.5 & 87/43.5 A**
Power Factor	**84**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6312**
Opp Drive End Bearing Size	**6212**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

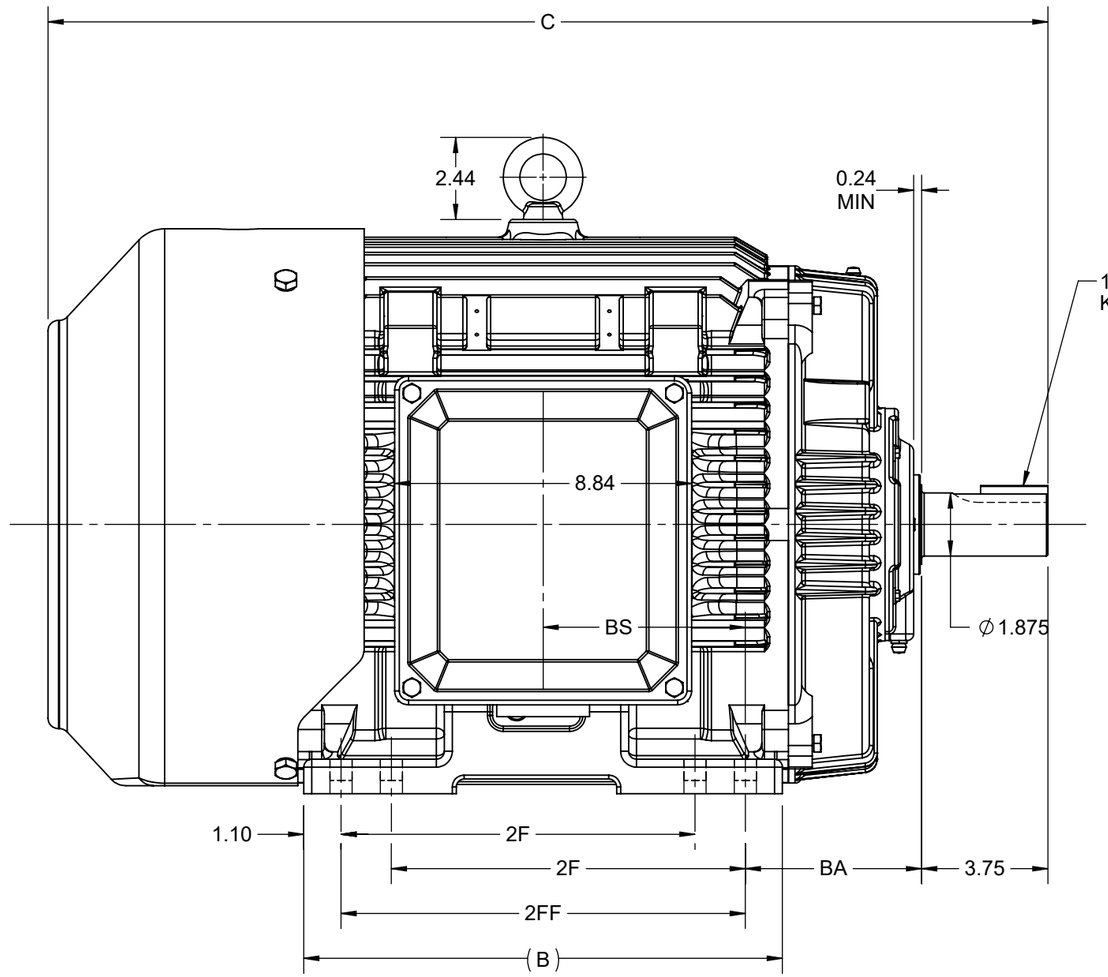
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.18 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Overall Length	**28.19 in**
Frame Length	**13.07 in**	Shaft Diameter	**1.875 in**
Shaft Extension	**3.75 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 10:1/Variable 20:1**		

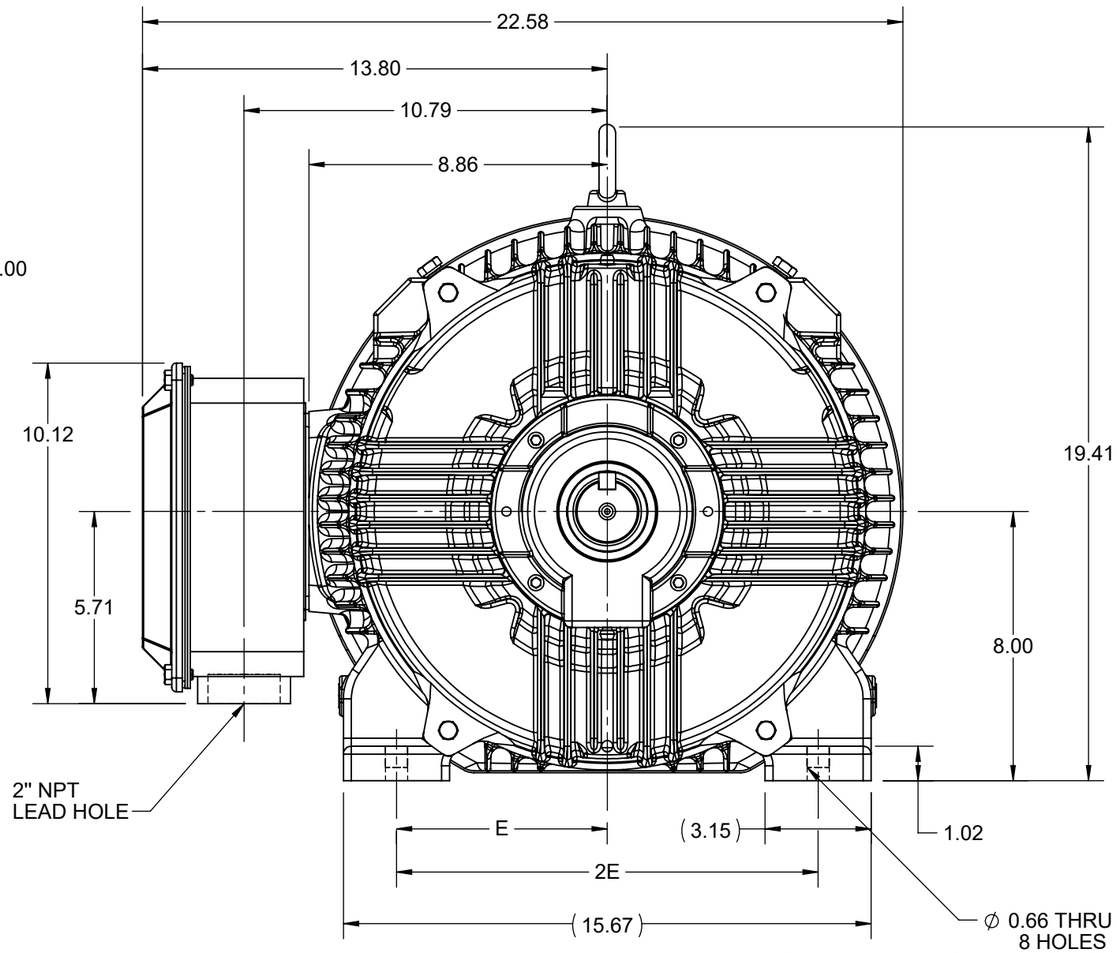
Drawings

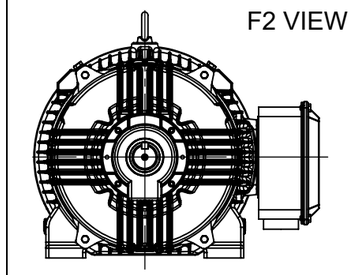
Connection Drawing	**EE7358**	Outline Drawing	**SS312781-100**

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DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	12.71	28.19	6.25	12.50	---	10.50	5.25	5.25	F1 OR F2	324TS
200	14.21	29.69			10.50	12.00		6.00		324/326TS







DRAWING REVISION	REVISION BY	REV DATE/© DATE
D	SB	08/18/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023556	SBD	08/18/2025

REQUEST NUMBER DESCRIPTION
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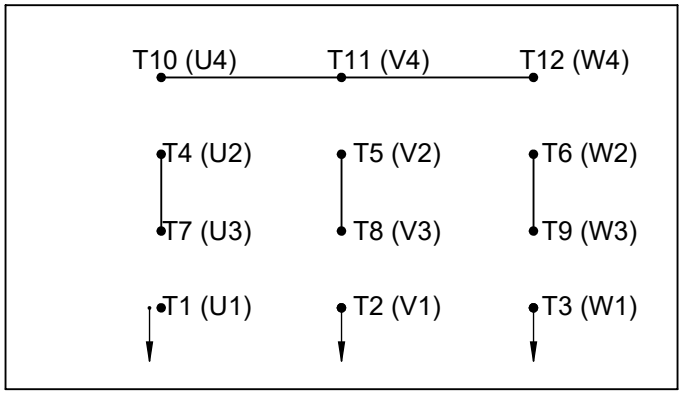
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mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY	DESCRIPTION
NIV	OUTLINE
DATE 25/03/2016	324/326TS FR-NEMA-TEFC
APPROVED BY SBD	
DATE 25/03/2016	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER SS312781 / SHEET 1 OF 1

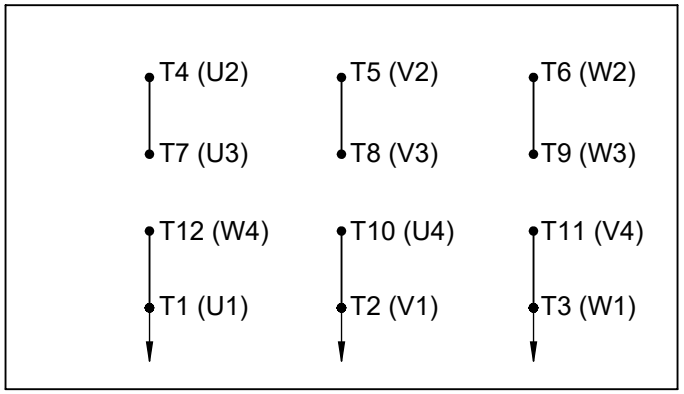
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HIGH VOLTAGE

WYE START

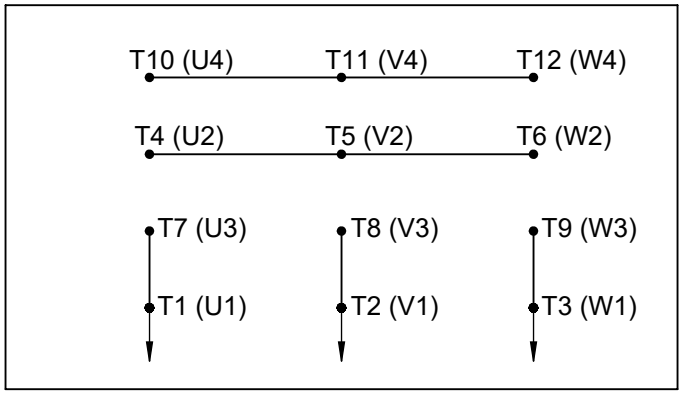


DELTA RUN

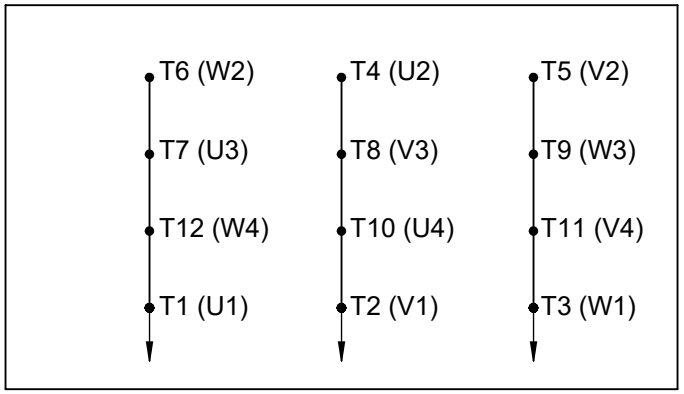


LOW VOLTAGE

WYE START



DELTA RUN



4/2 CKTY △

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

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DRAWN BY	BLR
DATE	03-09-1998
APPROVED BY	GK
DATE	03-23-1998
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
12 LEAD - DUAL VOLT. - WYE START - DELTA RUN

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7358	1 OF 1

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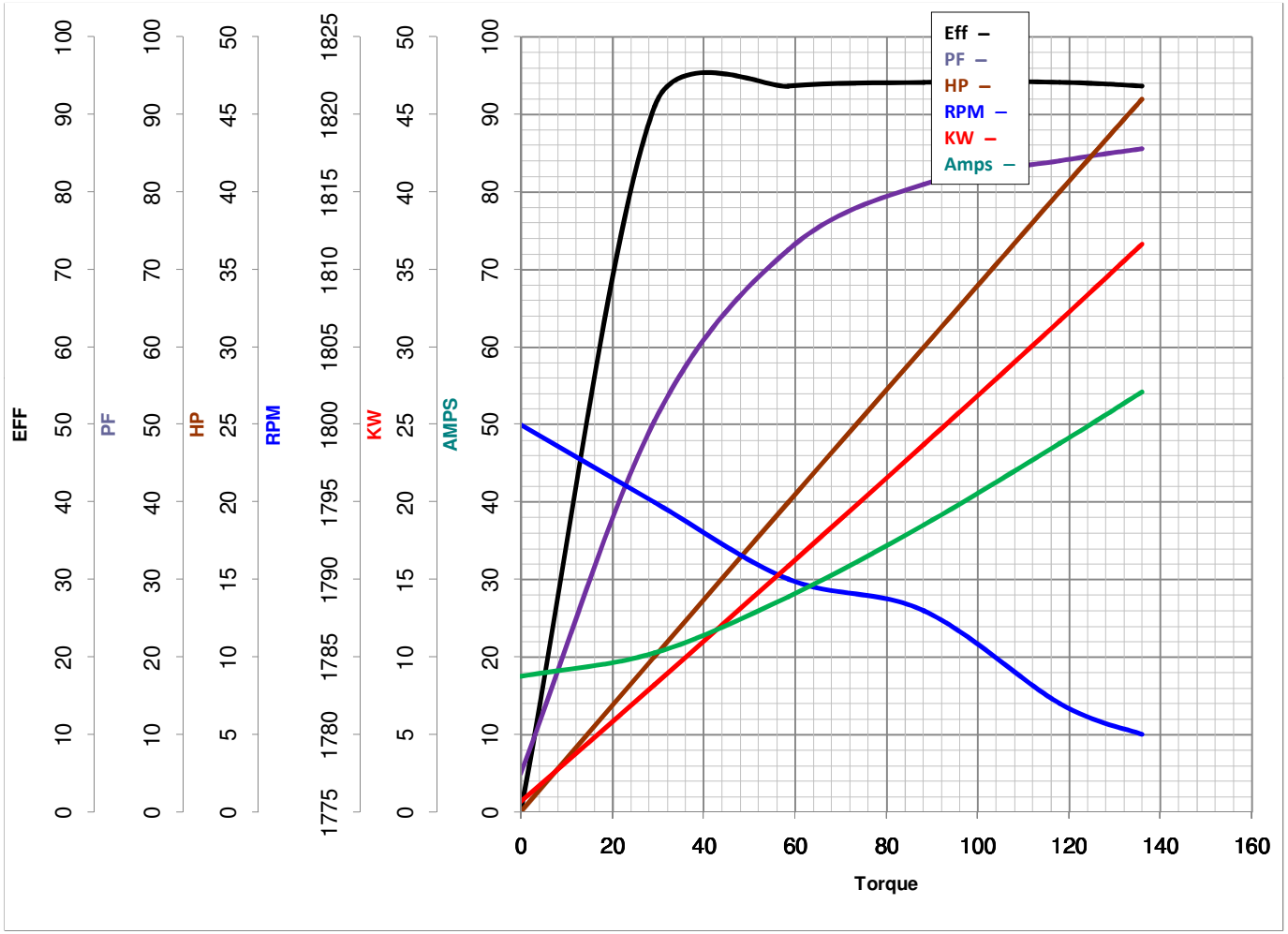
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at 460 **Volts** **HP** 40&30 **PHASE** 3
60 **HZ**

Model No 324TSTFCD6026 40 **HP** **VOLTS** 230/460&190/380

Catalog No GT1059 **HZ** 60&50 **RPM** 1782&1485



Torque in Lb.Ft

FL TORQUE	118 **Lb.Ft**		**FL AMPS**	95/47.5	
BD TORQUE	313.0 **Lb.Ft**		**PU TORQUE**	180.0	**Lb.Ft**
LR TORQUE	212 **Lb.Ft**		**LR AMPS**	290	
WINDING	HE32004007-2	**Prepared By** FAREEDA		**Date**	5/4/2018