marathon®

General Purpose Motors

Model No: 405TSTFCD6036
Catalog No: GT1063

General Purpose Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 405TS Frame, TEFC

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Product Information Packet: Model No: 405TSTFCD6036, Catalog No: GT1063 General Purpose Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 405TS Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**100 & 75 Hp**
Output KW	**75.0 & 56.0 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1785 & 1485 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**405TS**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**95.4 & 94.6 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**226/113 & 206/103 A**
Power Factor	**87**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6316**
Opp Drive End Bearing Size	**6314**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

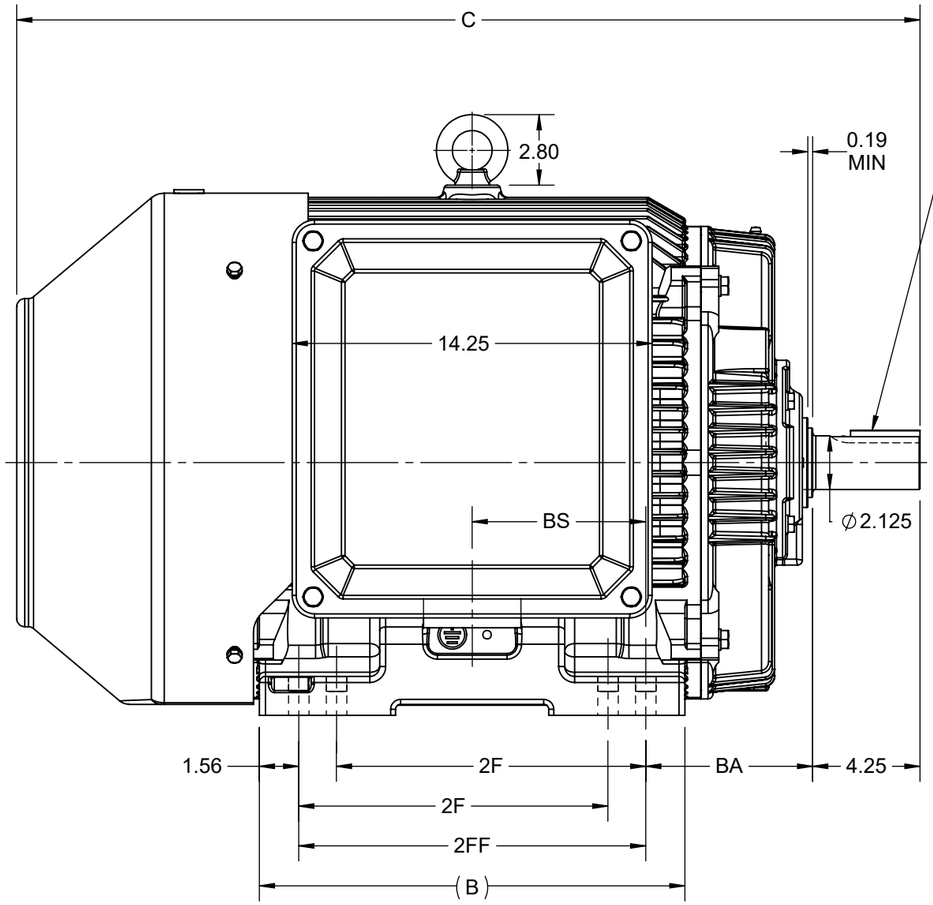
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.0555 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Overall Length	**35.77 in**
Frame Length	**18.11 in**	Shaft Diameter	**2.125 in**
Shaft Extension	**4.25 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1/Variable 10:1**		

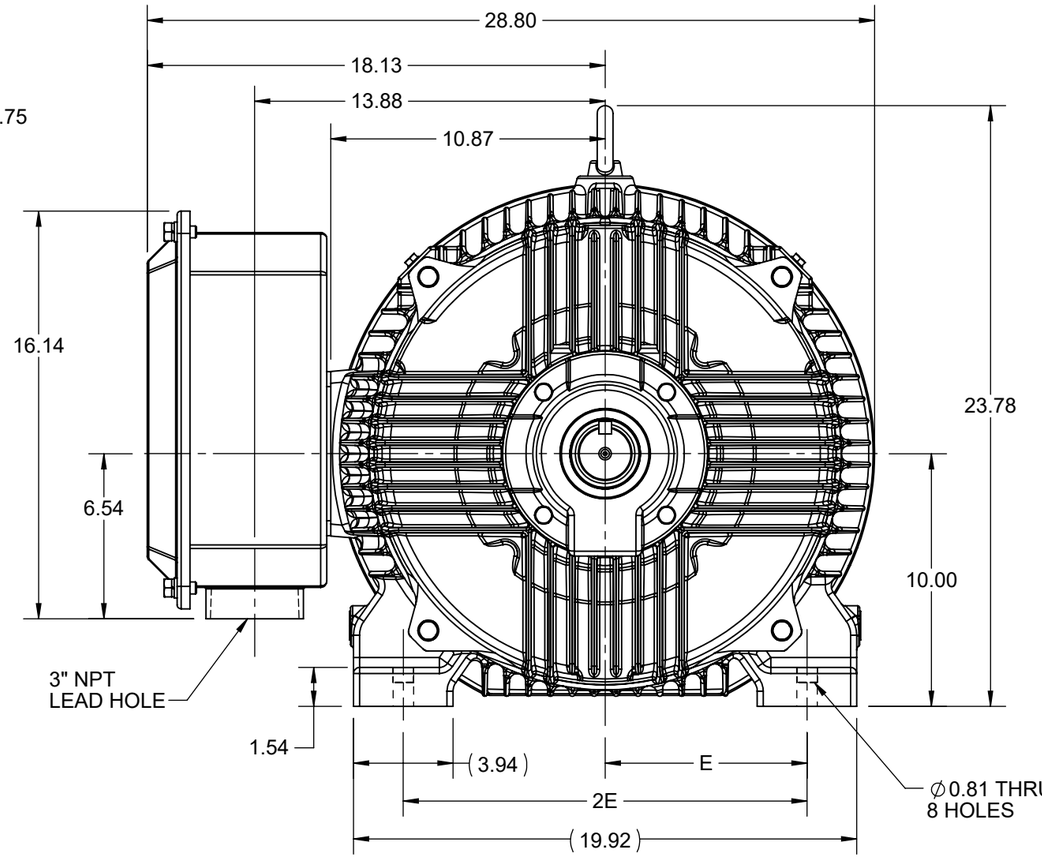
Drawings

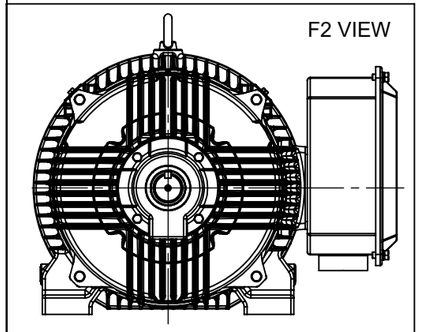
Connection Drawing	**EE7308AA**	Outline Drawing	**SS557004**

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B	C	E	2E	2F	2FF	BA	BS	MOUNTING
16.85	35.77	8.00	16.00	12.25	13.75	6.62	6.87	F1 OR F2







DRAWING REVISION	REVISION BY	REV DATE/© DATE
D	SB	08/14/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023600	SBD	08/14/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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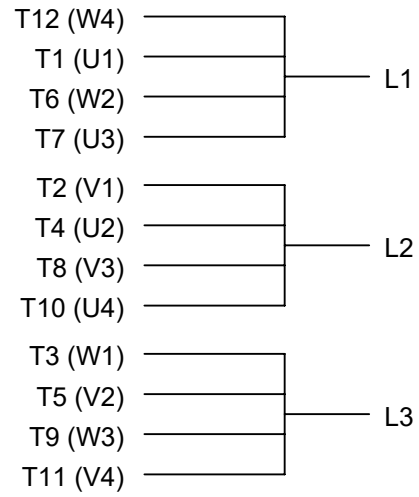
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DATE	25/03/2016
APPROVED BY	SBD
DATE	25/03/2016
REFERENCE	
THIRD ANGLE PROJECTION	

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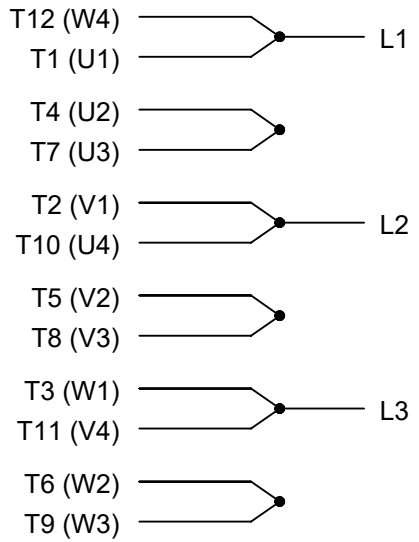
DESCRIPTION
OUTLINE
404/405TS FR NEMA-TEFC

MATERIAL | PROCESS/FINISH

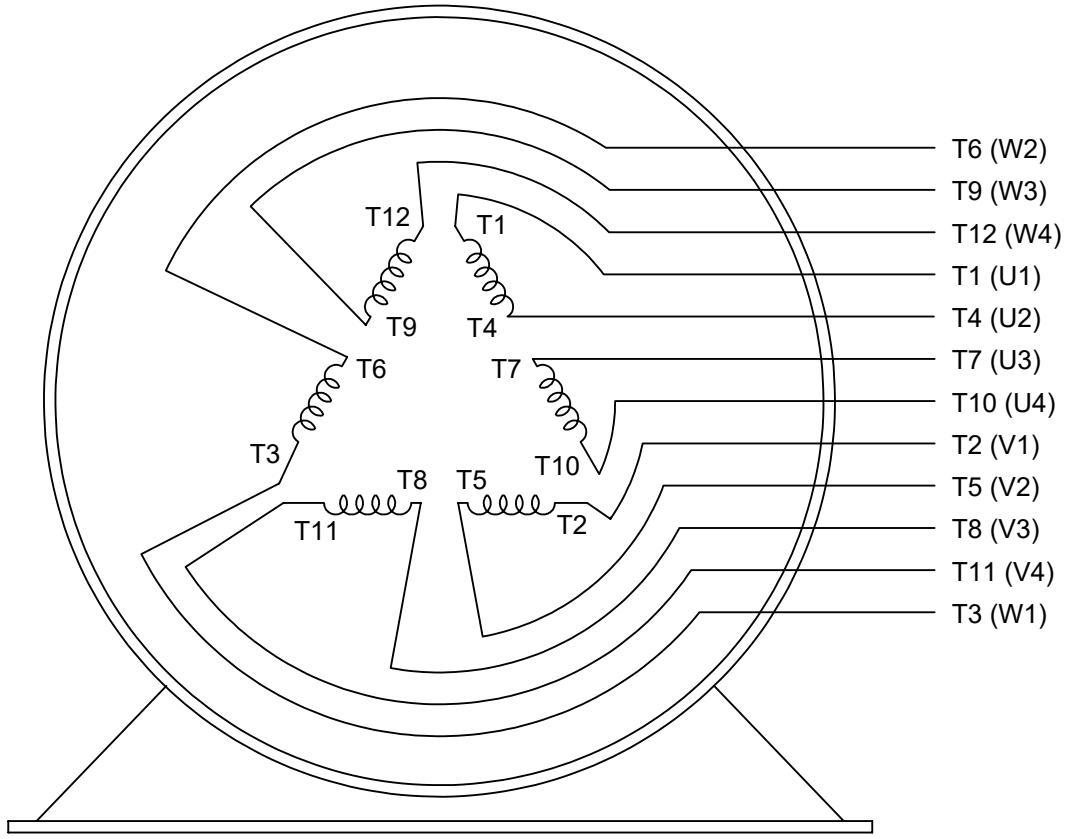
SIZE	DRAWING NUMBER	SHEET
B	SS557004	1 OF 1



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION: L	REVISION BY: SB	REV DATE/© DATE: 08/01/2025	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY: LZ	marathon™
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/01/2025		DATE: 01-12-1994	
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED				APPROVED BY: GK	DESCRIPTION: CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS
				DATE: 01-14-1994	
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE: A / DRAWING NUMBER: EE7308AA / SHEET: 1 OF 1

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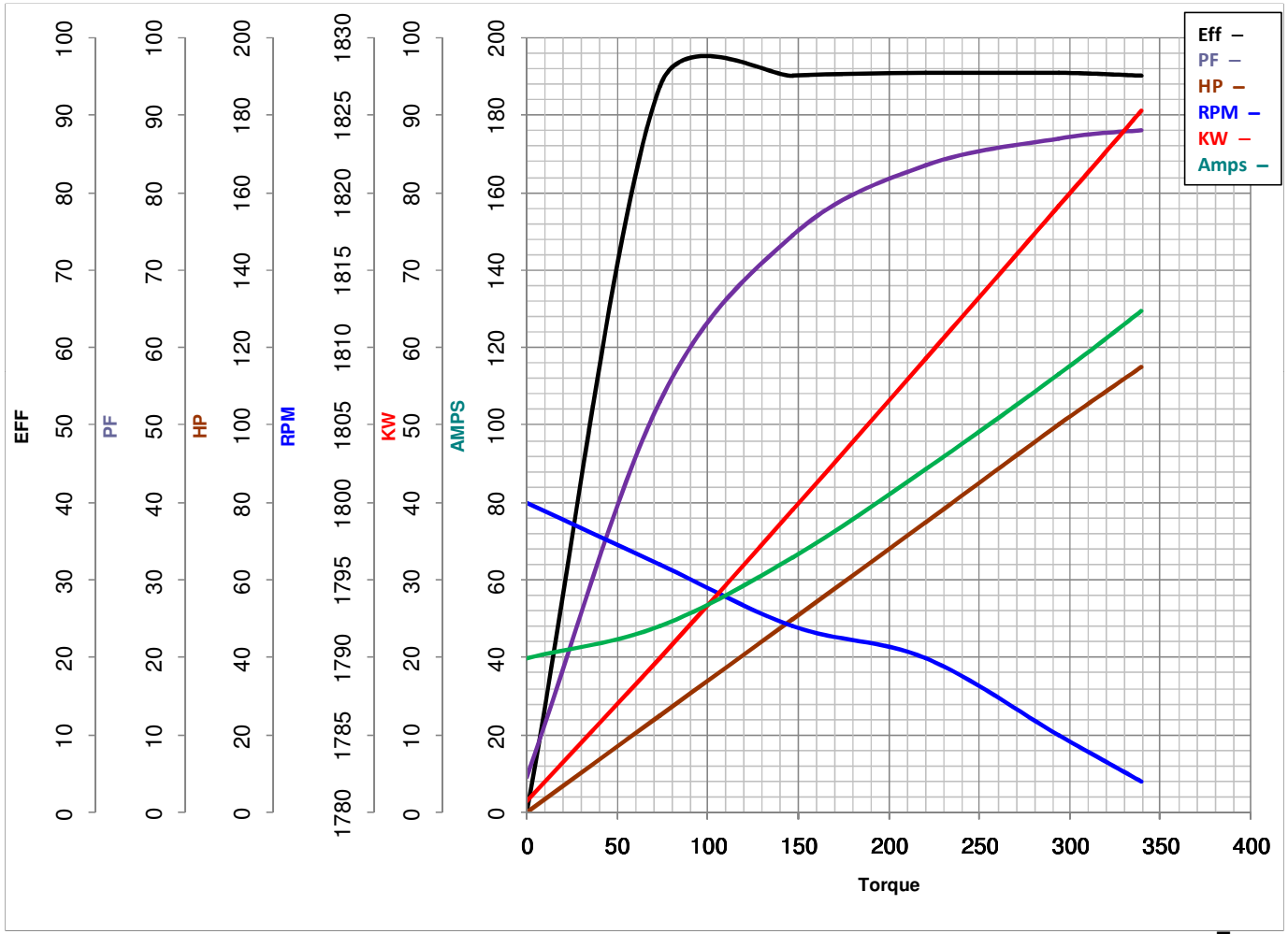
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at 460 **Volts** **HP** 100&75 **PHASE** 3
60 **HZ**

Model No 405TSTFCD6036 100 **HP** **VOLTS** 230/460&190/380

Catalog No GT1063 **HZ** 60&50 **RPM** 1785&1488



Torque in Lb.Ft

FL TORQUE	294 **Lb.Ft**		**FL AMPS**	226/113	
BD TORQUE	764.0 **Lb.Ft**		**PU TORQUE**	445.0	**Lb.Ft**
LR TORQUE	529 **Lb.Ft**		**LR AMPS**	725	
WINDING	HE32504006-2	**Prepared By** ANUSHA M		**Date**	5/4/2018