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General Purpose Motors

Model No: 286TSTFCD6003
Catalog No: GT1230A

General Purpose Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 286TSC Frame, TEFC

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Product Information Packet: Model No: 286TSTFCD6003, Catalog No: GT1230A General Purpose Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 286TSC Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**30 & 25 Hp**
Output KW	**22.4 & 18.7 kW**	Voltage	**230/460 & 190/380 V**
Speed	**3550 & 2950 r/min**	Synchronous RPM	**3600 & 3000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**286TSC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**91.7 & 91.4 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**71/35.5 & 72/36 A**
Power Factor	**86.5**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6311**
Opp Drive End Bearing Size	**6211**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

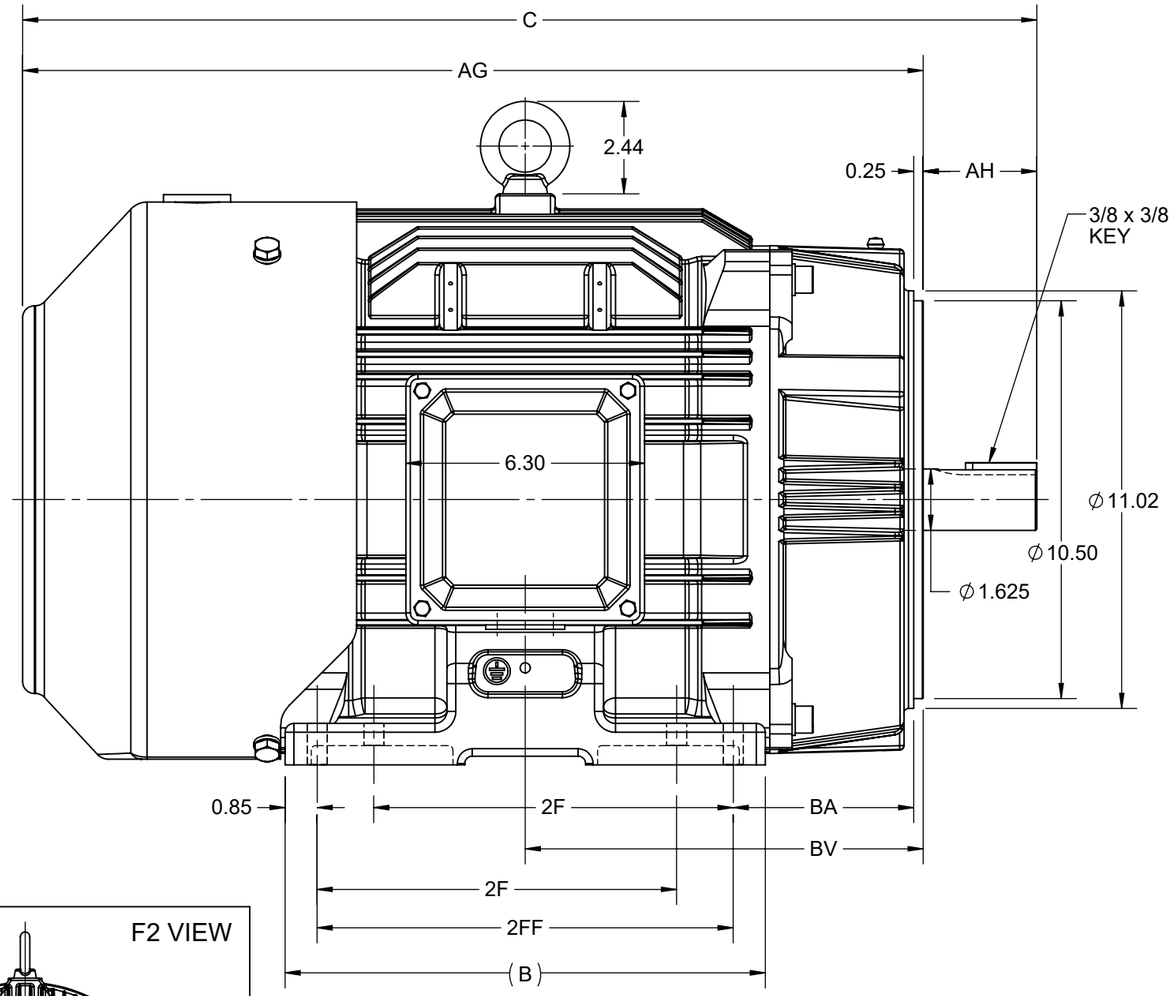
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.338 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Overall Length	**26.77 in**
Frame Length	**12.91 in**	Shaft Diameter	**1.625 in**
Shaft Extension	**3.25 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1/Variable 10:1**		

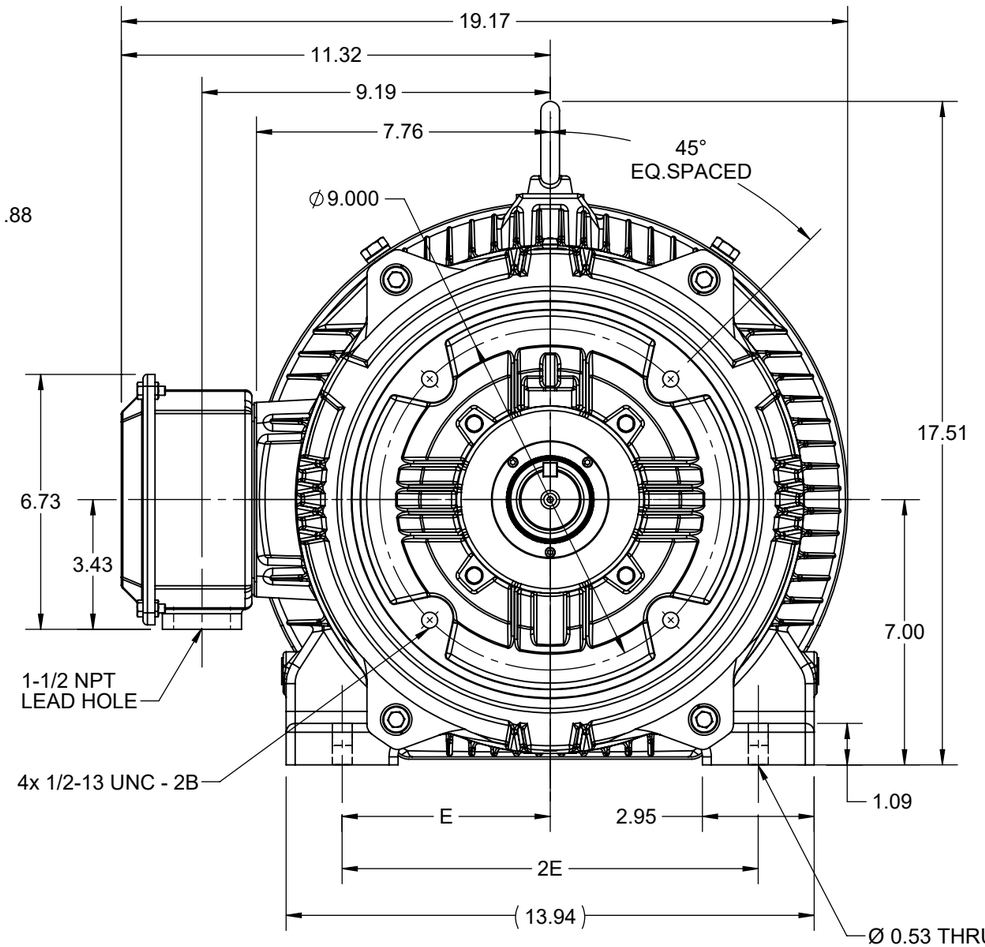
Drawings

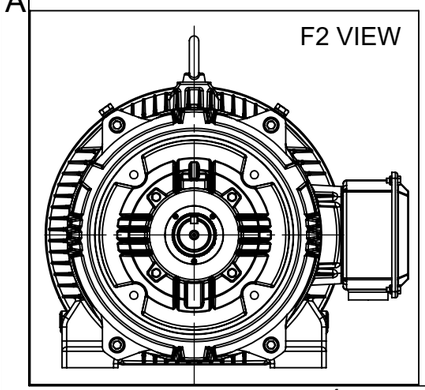
Connection Drawing	**EE7308AA**	Outline Drawing	**SS620706-200**

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DASH NO.	B	C	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME
100	10.83	25.27	5.50	11.00	---	9.50	22.27	3.00	4.75	9.76	F1 OR F2	284TSC
200	12.68	26.77			9.50	11.00	23.77			10.50		284/286TSC







DRAWING REVISION	REVISION BY	REV DATE/© DATE
E	SB	07/25/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023600	SBD	07/25/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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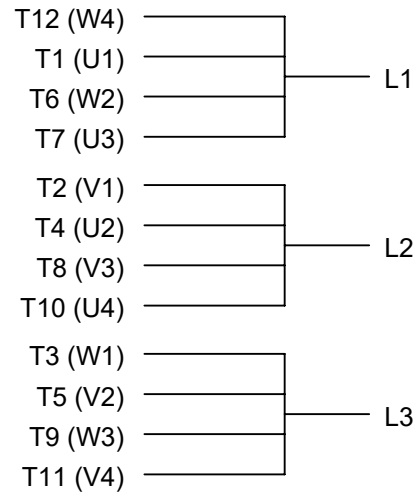
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DATE	28/09/2015
APPROVED BY	SBD
DATE	28/09/2015
REFERENCE	
THIRD ANGLE PROJECTION	

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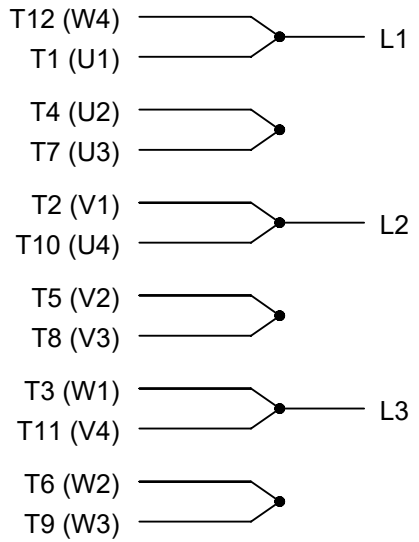
DESCRIPTION
OUTLINE
284/286TSC FR-TEFC-CAST IRON

MATERIAL | PROCESS/FINISH

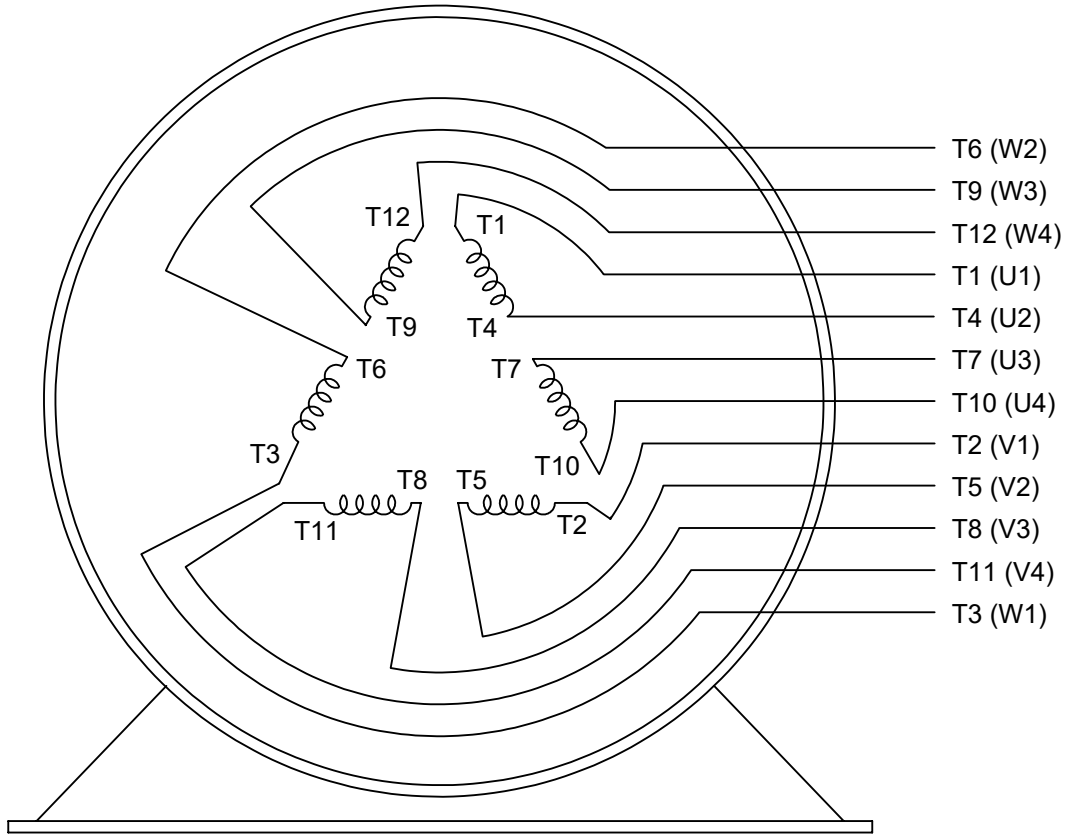
SIZE B | DRAWING NUMBER SS620706 | SHEET 1 OF 1



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

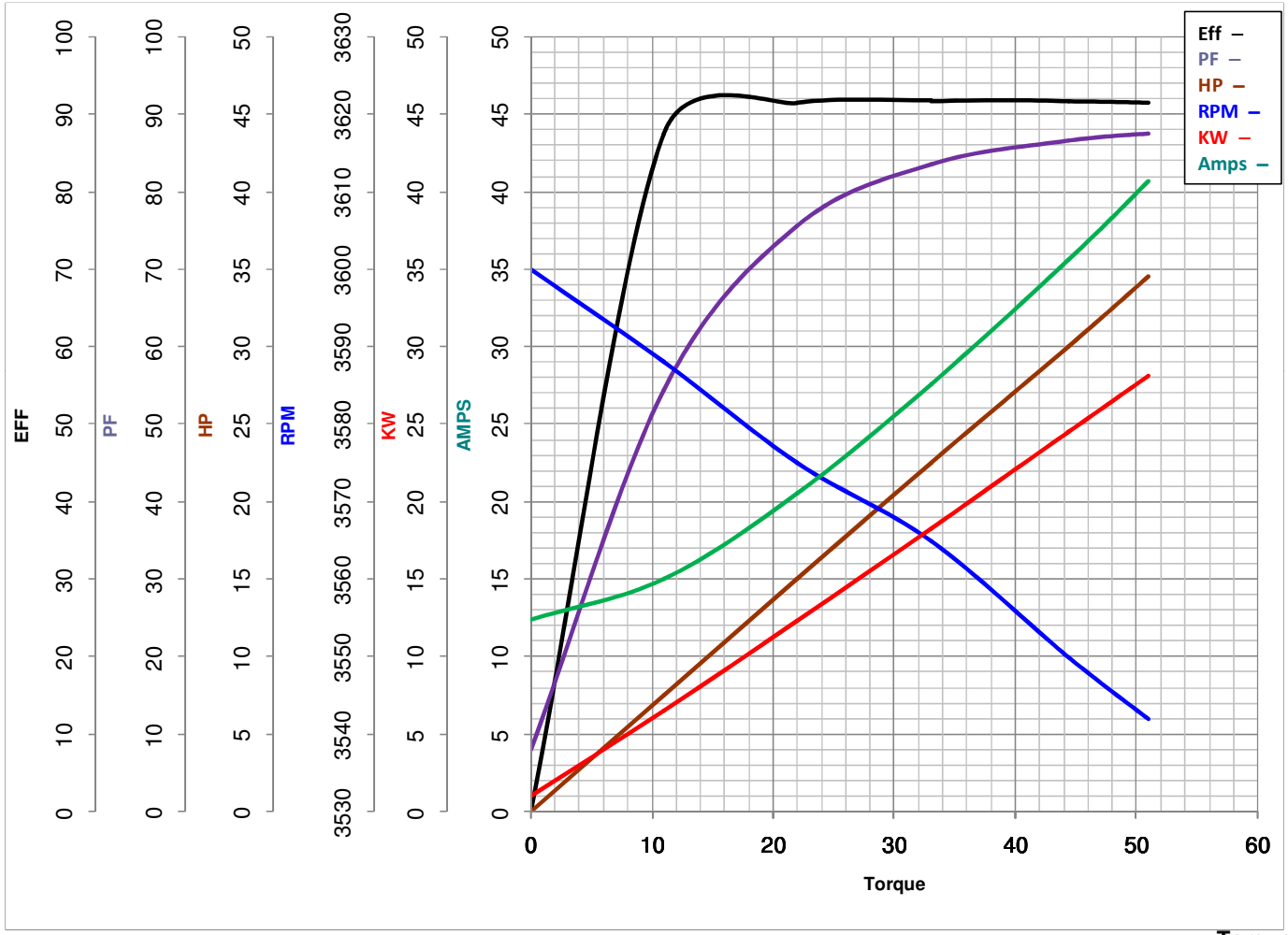
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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer		**Curve at**	460	**Volts**	**HP** 30&25	**PHASE**	3
			60	**HZ**			
Model No	286TSTFCD6003		30	**HP**	**VOLTS** 230/460&190/380		
Catalog No	GT1230A				**HZ** 60&50	**RPM**	3550&2950



Torque in Lb.Ft

FL TORQUE	44.4	**Lb.Ft**	**FL AMPS**	71/35.5	
BD TORQUE	107.0	**Lb.Ft**	**PU TORQUE**	65.0	**Lb.Ft**
LR TORQUE	77	**Lb.Ft**	**LR AMPS**	210	
WINDING	HE31802003-2	**Prepared By**	ANUSHA M	**Date**	5/4/2018