marathon®

General Purpose Motors

Model No: 284TTFCD6028
Catalog No: GT1228A

General Purpose Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 284TC Frame, TEFC

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Product Information Packet: Model No: 284TTFCD6028, Catalog No: GT1228A General Purpose Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 284TC Frame, TEFC

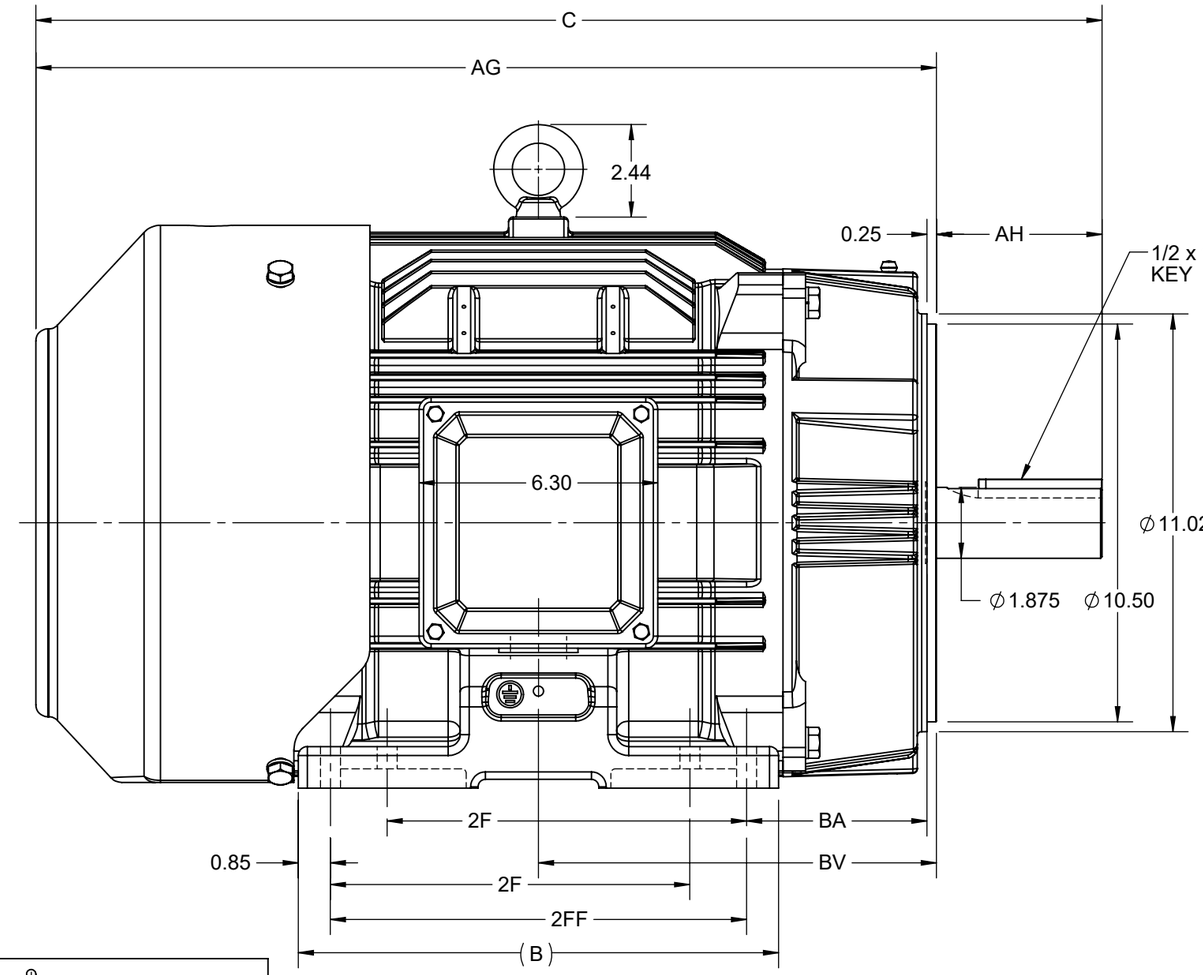
Nameplate Specifications			
Phase	**3**	Output HP	**25 & 20 Hp**
Output KW	**18.7 & 14.9 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1772 & 1475 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**284TC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**93.6 & 92.7 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**60/30 & 58/29 A**
Power Factor	**83**	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**		

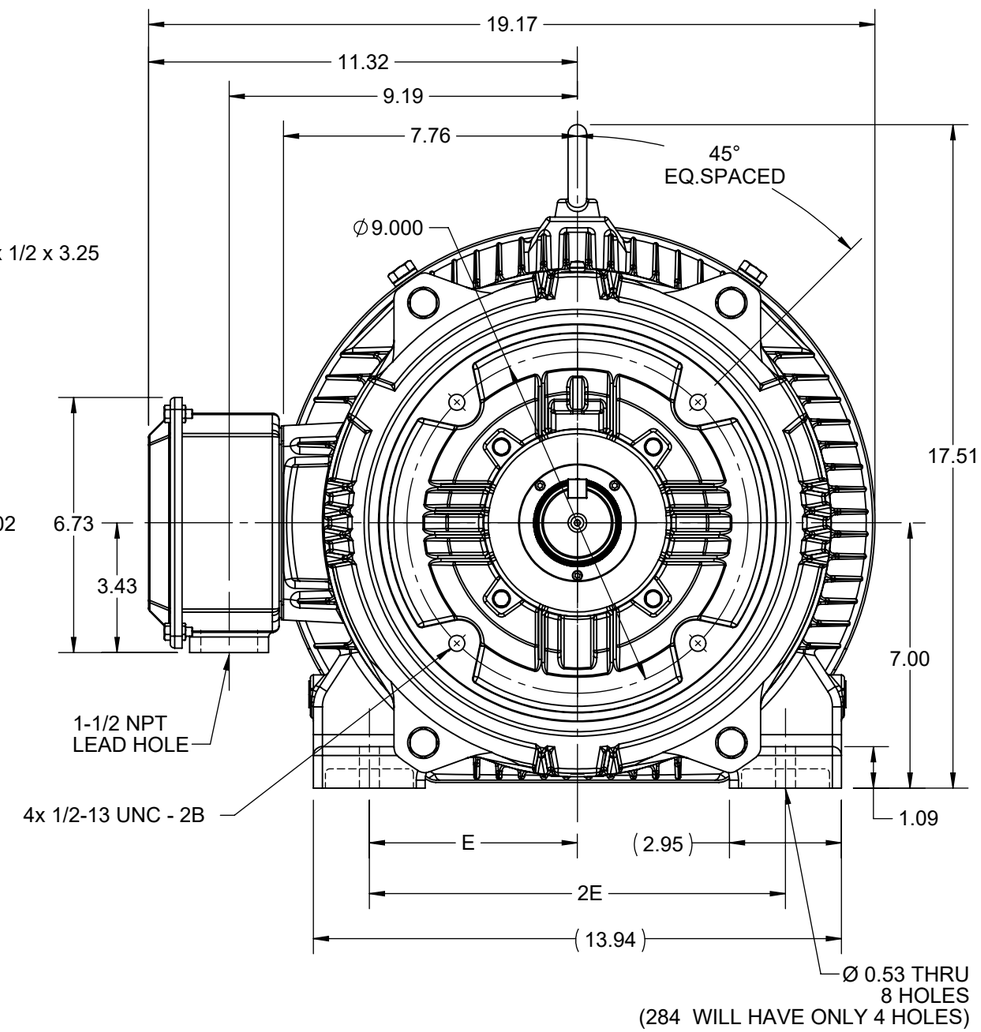
Technical Specifications			
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.36 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**26.65 in**
Frame Length	**11.41 in**	Shaft Diameter	**1.875 in**
Shaft Extension	**4.62 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 10:1/Variable 10:1**		

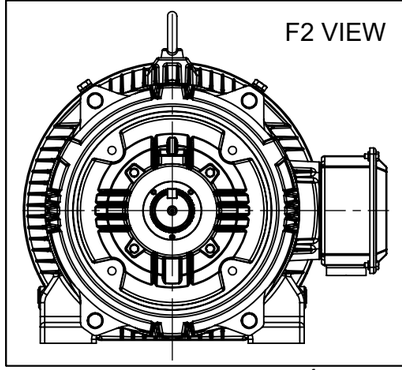
Drawings			
Connection Drawing	**EE7308AA**	Outline Drawing	**SS620701-100**

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DASH NO.	B	C	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME
100	10.83	26.64	5.50	11.00	---	9.50	22.27	4.38	4.75	9.76	F1 OR F2	284TC
200	12.68	28.14			9.50	11.00	23.77			10.50		284/286TC





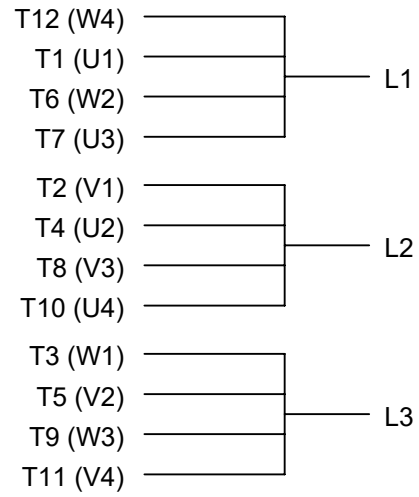


DRAWING REVISION D	REVISION BY SB	REV DATE/© DATE 07/23/2025
REQUEST NUMBER CR-0023556	APPROVED BY SBD	DATE 07/23/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		

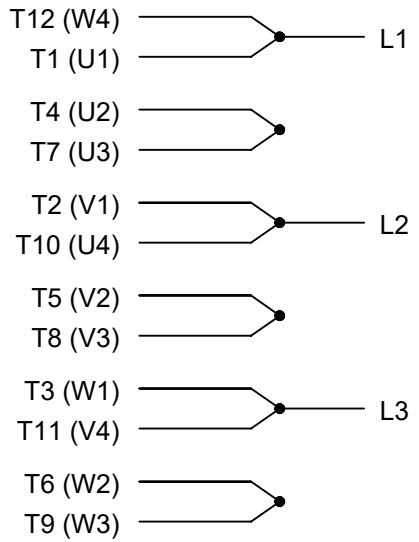
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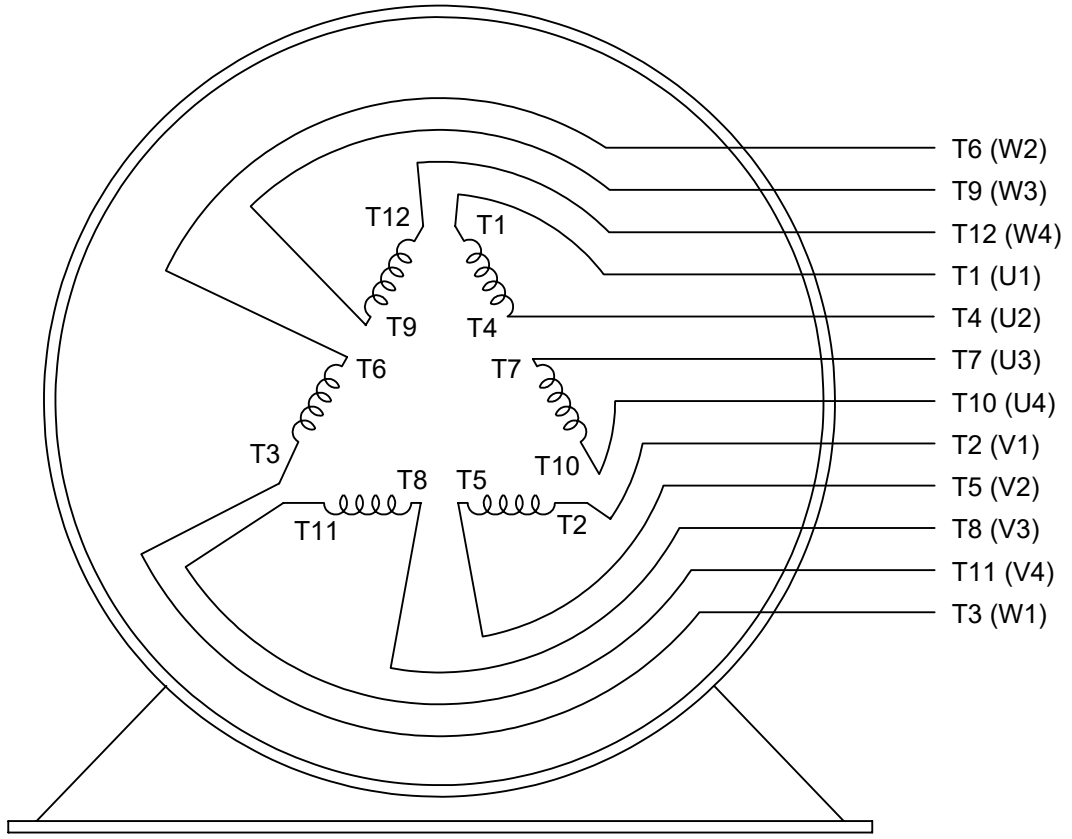
DRAWN BY SMAR	marathon™
DATE 06/07/2015	
APPROVED BY SBD	DESCRIPTION OUTLINE 284/286TC FR-TEFC-CAST IRON
DATE 06/07/2015	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER SS620701 / SHEET 1 OF 1



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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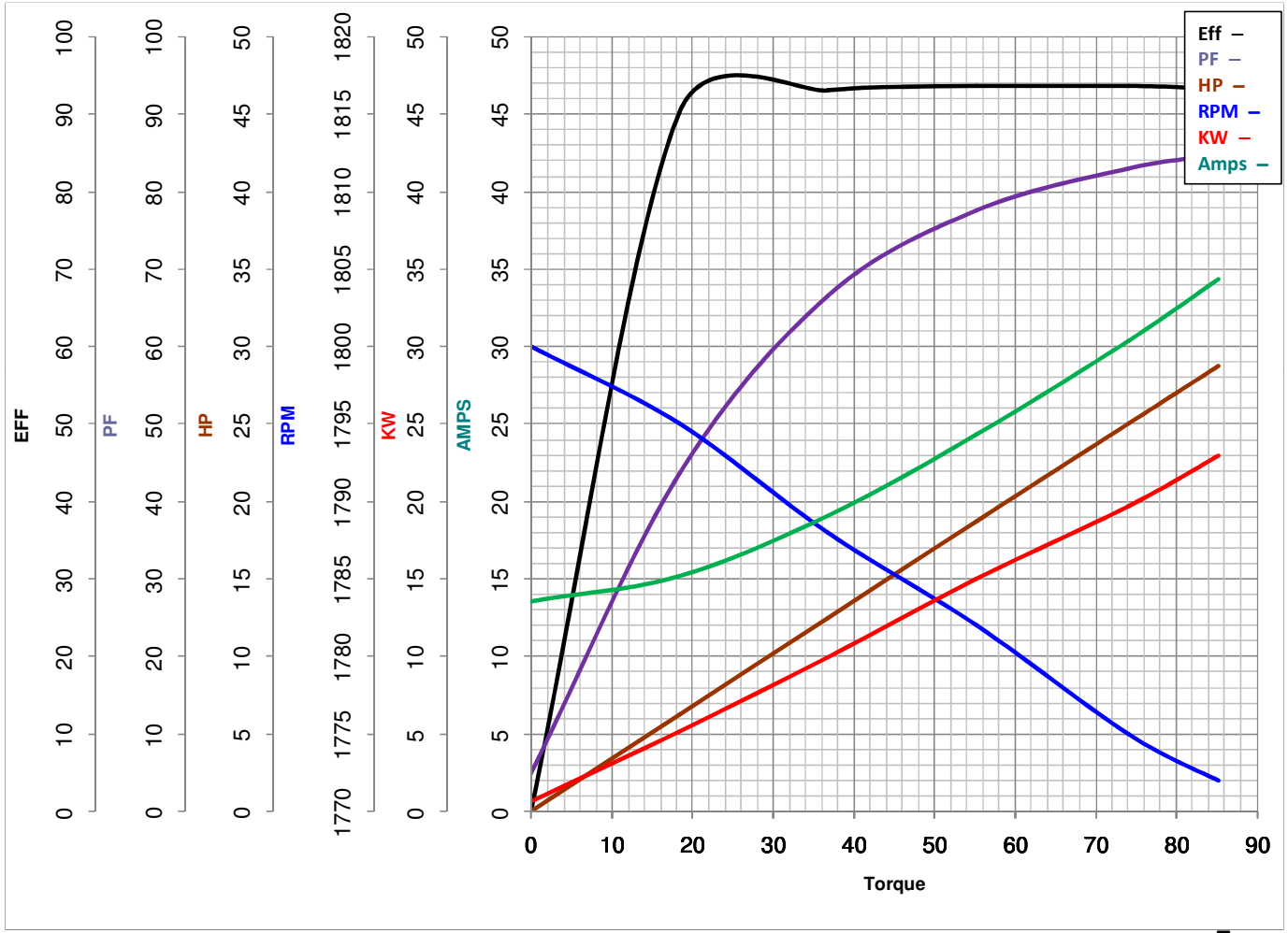
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at 460 **Volts** **HP** 25&20 **PHASE** 3
60 **HZ**
25 **HP** **VOLTS** 230/460&190/380

Model No 284TTFCD6028

Catalog No GT1228A **HZ** 60&50 **RPM** 1775&1476



Torque in Lb.Ft

FL TORQUE	74 **Lb.Ft**		**FL AMPS**	61/30.5	
BD TORQUE	192.0 **Lb.Ft**		**PU TORQUE**	122.0	**Lb.Ft**
LR TORQUE	144 **Lb.Ft**		**LR AMPS**	182	
WINDING	HE31804007-2	**Prepared By** ANUSHA M		**Date**	5/4/2018