marathon®

General Purpose Motors

Model No: 286TTFCD6026
Catalog No: GT1031A

General Purpose Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 286T Frame, TEFC

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Product Information Packet: Model No: 286TTFCD6026, Catalog No: GT1031A General Purpose Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 286T Frame, TEFC

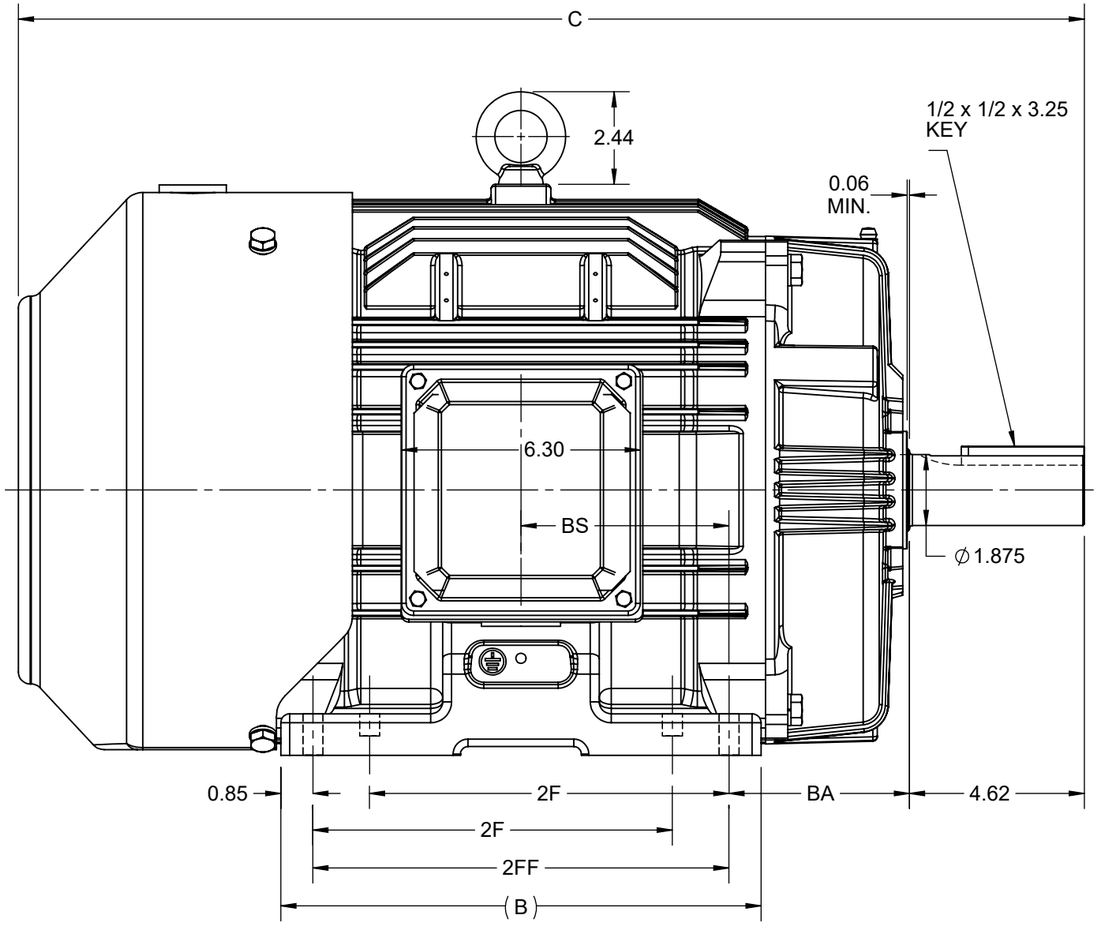
Nameplate Specifications			
Phase	**3**	Output HP	**30 & 25 Hp**
Output KW	**22.4 & 18.7 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1770 & 1470 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**286T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**93.6 & 92.7 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**71/35.5 & 72/36 A**
Power Factor	**84**	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**		

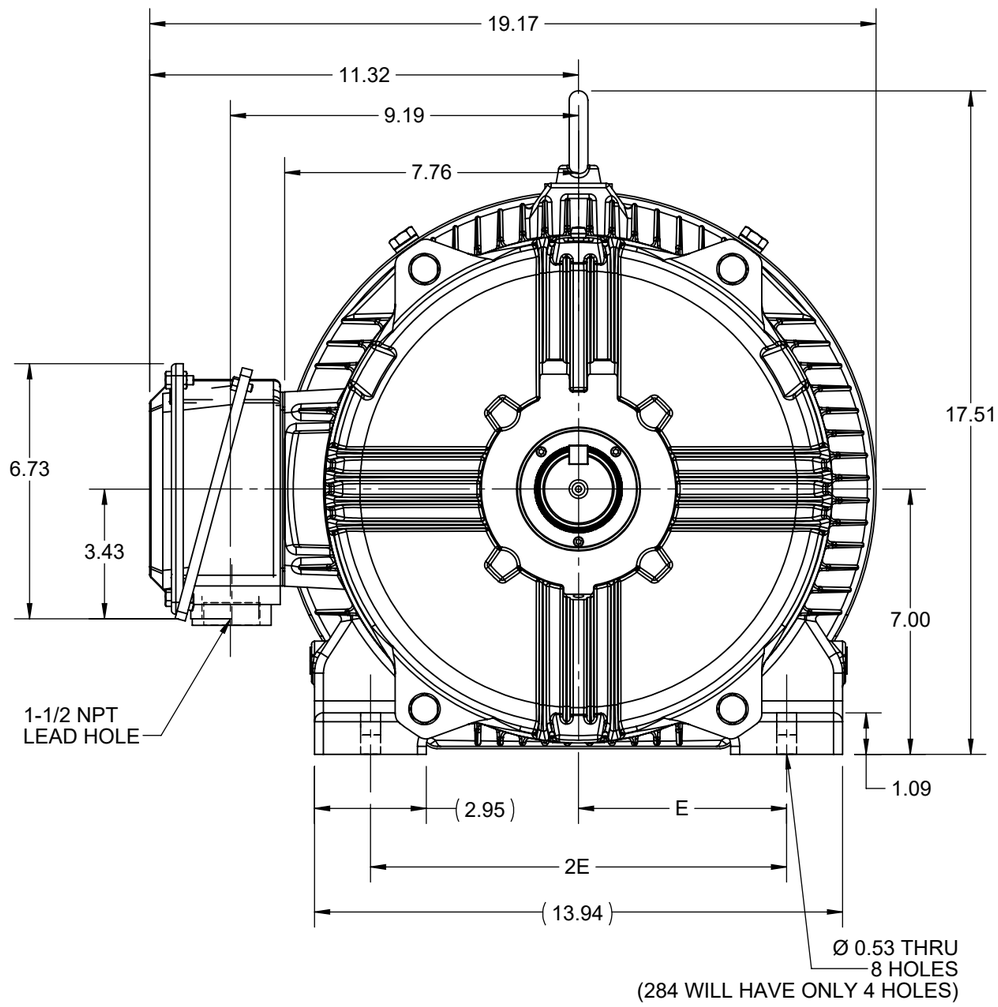
Technical Specifications			
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.292 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**28.14 in**
Shaft Diameter	**1 7/8 in**	Shaft Extension	**4.62 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1/Variable 10:1**

Drawings			
Connection Drawing	**EE7308AA**	Outline Drawing	**SS620704-200**

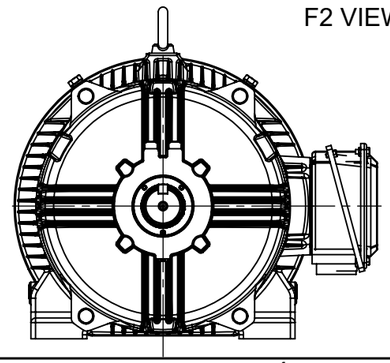
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DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	10.83	26.64	5.50	11.00	---	9.50	4.75	4.75	F1 OR F2	284T
200	12.68	28.14			9.50	11.00		5.50		284/286T





F2 VIEW

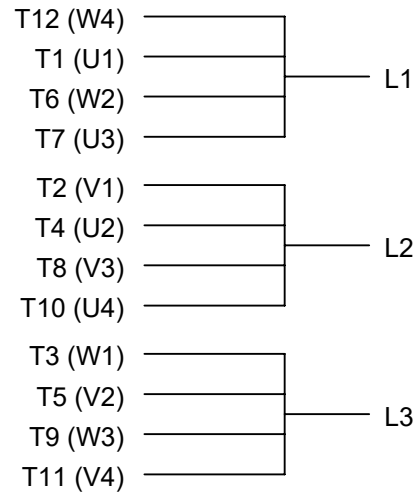


DRAWING REVISION: D	REVISION BY: SB	REV DATE/© DATE: 08/29/2025
REQUEST NUMBER: CR-0023556	APPROVED BY: SBD	DATE: 08/29/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

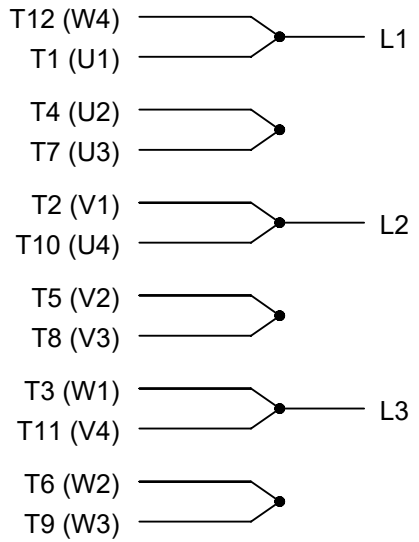
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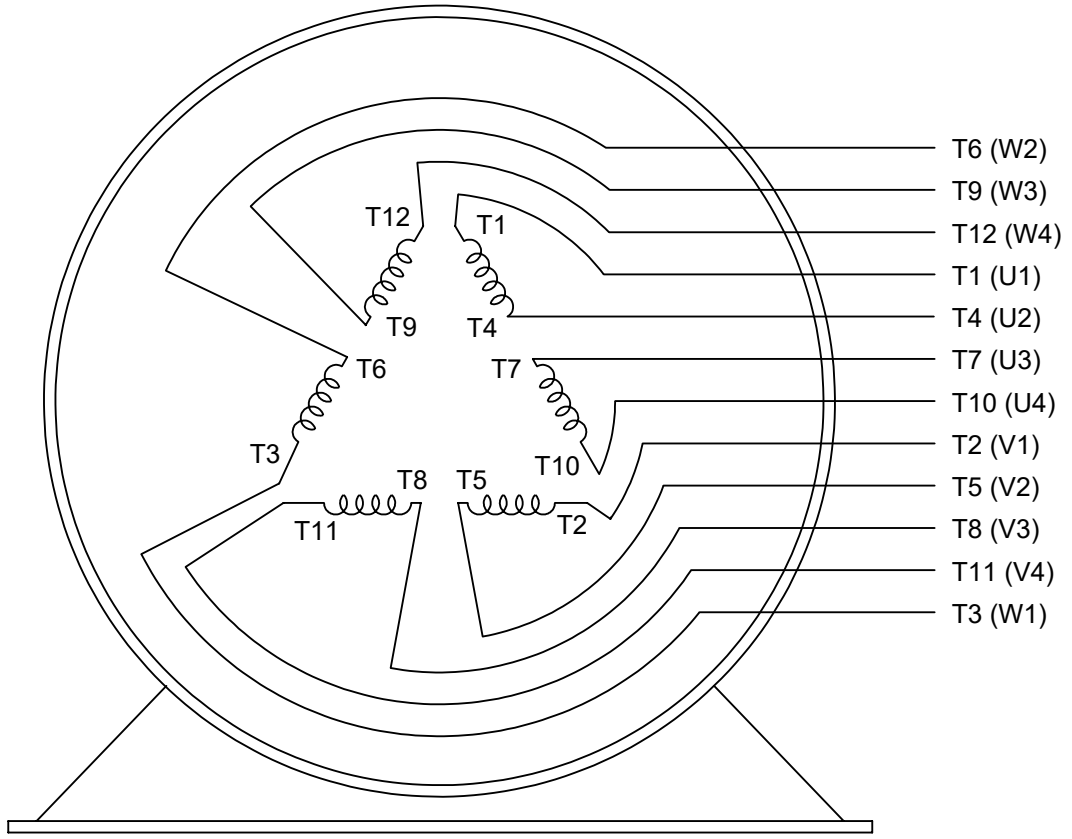
DRAWN BY: MR	marathon™
DATE: 4/5/2015	
APPROVED BY: KRK	DESCRIPTION: OUTLINE 284/286T FR-TEFC-CAST IRON
DATE: 4/5/2015	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS620704 / SHEET: 1 OF 1



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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Data Sheet

Date: 7/16/2020
Customer:
Attention:
Submitted by:

286TTFCD6026

Submittal

Data @ 460 **V**

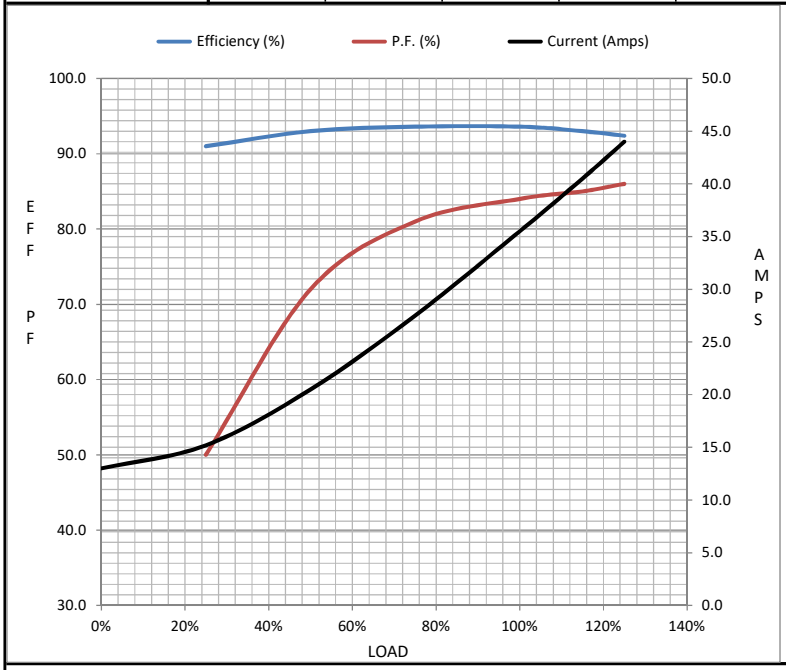
marathon® Motors

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	13.0	15.2	20.5	27.5	35.5	40.5	44.0	215	
Torque (ft-lb)	0.00	22.0	44.0	66.5	89.0	103	112	169	
RPM	1800	1792	1785	1780	1770	1,765	1762	0	
Efficiency (%)		91.0	93.0	93.6	93.6	93.0	92.4		
P.F. (%)	4.5	50.0	72.0	81.0	84.0	85.0	86.0	36.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1650	1770	1800
Current (Amps)	215	180	129	35.5	13.0
Torque (ft-lb)	169	145	235	89.0	0.00



Information Block

HP	30.0
Sync. RPM	1800
Frame	286
Enclosure	TEFC
Construction	TFC
Voltage	208-230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	65 ° C
Duty	CONT
Ambient	40 ° C
Elevation	3,300 feet
Rotor/Shaft wk²	5.7 Lb-Ft²
Ref Wdg	HA31804013 NONE
Sound Pressure @ 1M	75 dBA
VFD Rating	CONSTANT 10:1/VARIABLE 10:1
Outline Dwg	037898-912
Conn. Diag	EE7308AA
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.1750	0.1250	0.6710	0.9400	20.3180

Speed -Torque Curve

