

Close-Coupled Pump Motors

Model No: 284TTFCD6012

Catalog No: GT3427A

Close-Coupled Pump Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 284JP
Frame, TEFC

Product Information Packet: Model No: 284TTFC6012, Catalog No: GT3427A Close-Coupled Pump Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 284JP Frame, TEFC

Nameplate Specifications

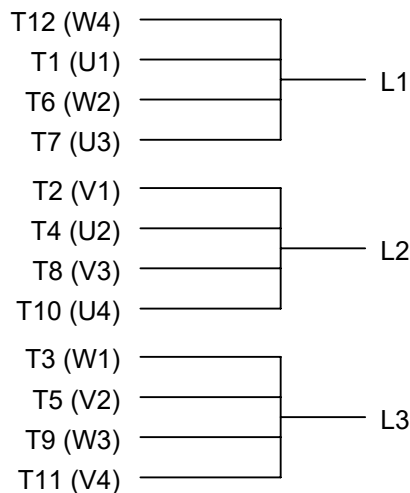
Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190/380 V
Speed	3555 & 2955 r/min	Synchronous RPM	3600 & 3000 r/min
Service Factor	1.15 & 1.15	Frame	284JP
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	91.7 & 91 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	60/30 & 58/29 A
Power Factor	86	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

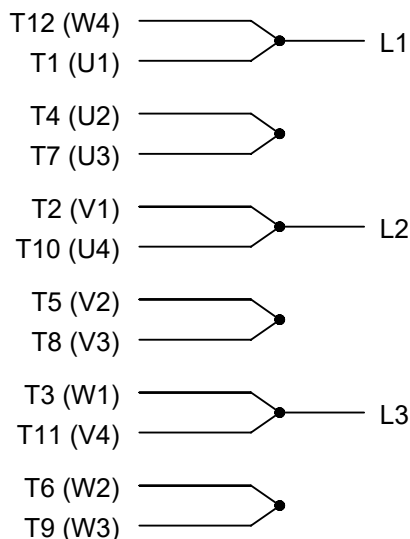
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.395 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JP	Overall Length	30.4 in
Frame Length	11.41 in	Shaft Diameter	1.26 in
Shaft Extension	8.37 in	Assembly/Box Mounting	F1/F2 Capable
Inverter Load	Constant 2:1/Variable 10:1		

Drawings

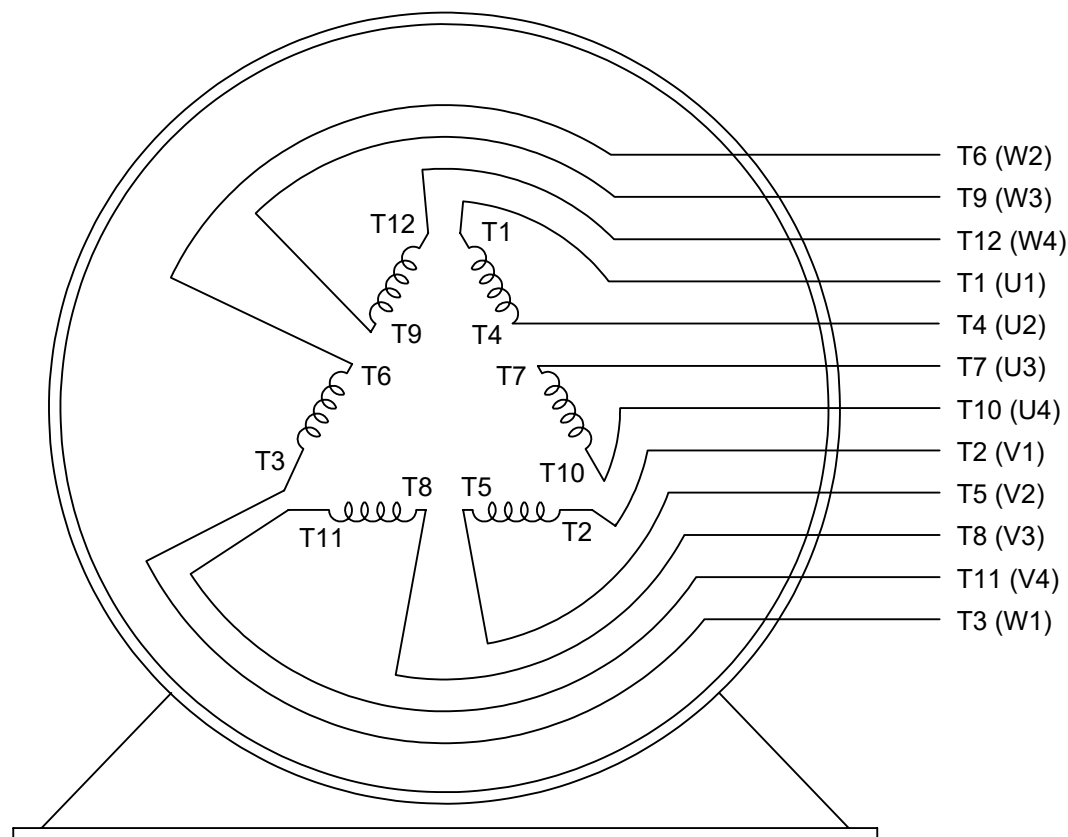
Connection Drawing	EE7308AA	Outline Drawing	SS620811-100
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LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

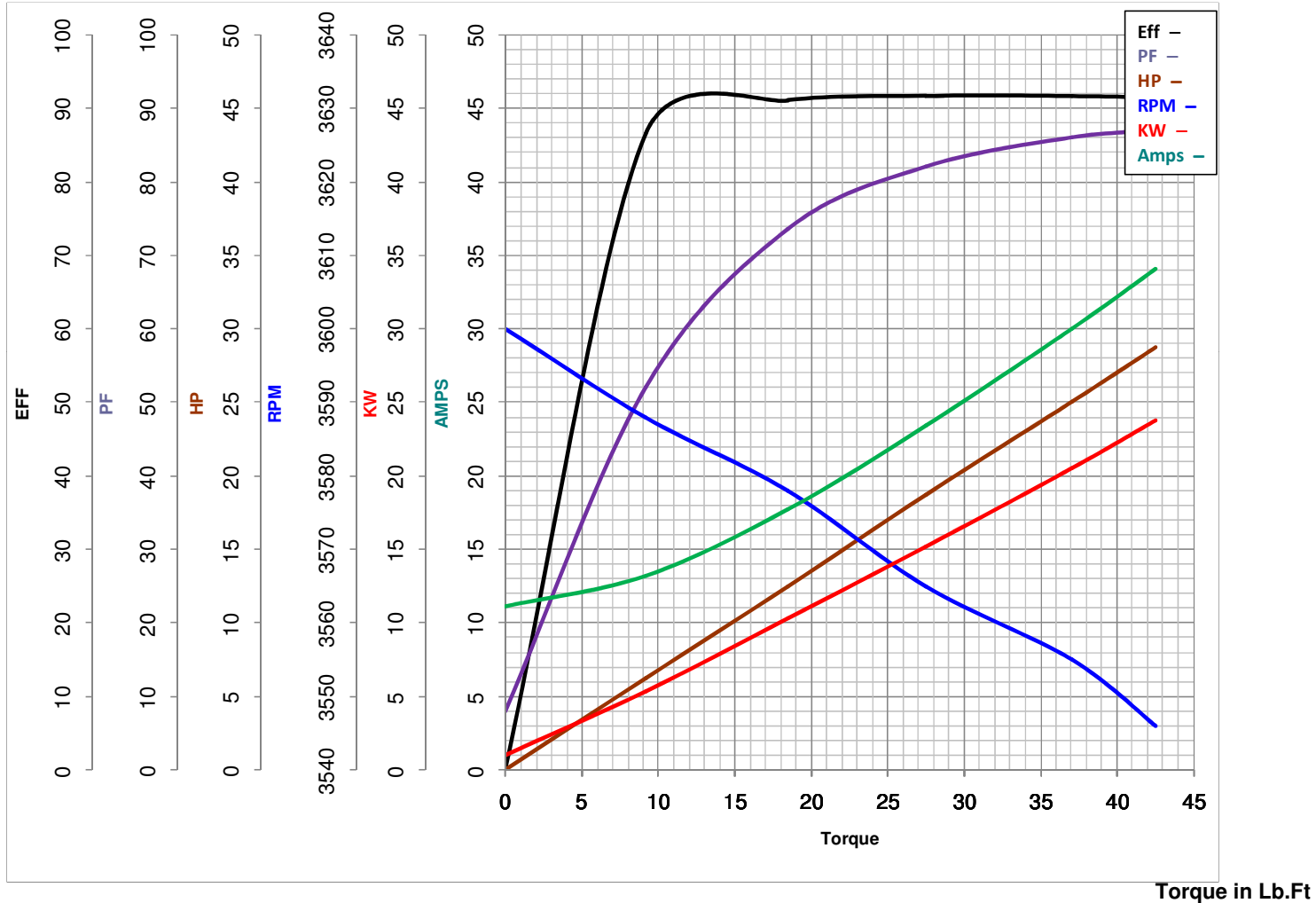
DRAWING REVISION L	REVISION BY SB	REV DATE/© DATE 08/01/2025
REQUEST NUMBER CR-0023654	APPROVED BY SBD	DATE 08/01/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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DRAWN BY LZ			
DATE 01-12-1994			
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL		
DATE 01-14-1994	3Ø-2/1 DELTA-12 LEADS		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7308AA	SHEET 1 OF 1

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer**Curve at**460**Volts****HP** 25&20**PHASE** 3**Model No** 284TTFCD601260**HZ**25**HP****VOLTS** 230/460&190/380**Catalog No** GT3427A**HZ** 60&50**RPM** 3555&2955**FL TORQUE** 37 **Lb.Ft****BD TORQUE** 94.0 **Lb.Ft****LR TORQUE** 65 **Lb.Ft****FL AMPS** 60/30**PU TORQUE** 56.0 **Lb.Ft****LR AMPS** 181**WINDING** HE31802004-2**Prepared By** CHANDANA**Date** 5/4/2018