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Close-Coupled Pump Motors

Model No: 286TTDBD6085
Catalog No: GT2463

Close-Coupled Pump Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 286JP Frame, DP

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Product Information Packet: Model No: 286TTDBD6085, Catalog No: GT2463 Close-Coupled Pump Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 286JP Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**20 & 15 Hp**
Output KW	**14.9 & 11.2 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1182 & 985 r/min**	Synchronous RPM	**1200 & 1000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**286JP**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**92.4 & 91.7 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**52.5/26.3 & 48.5/24.3 A**
Power Factor	**77**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**F**	Drive End Bearing Size	**6311**
Opp Drive End Bearing Size	**6210**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

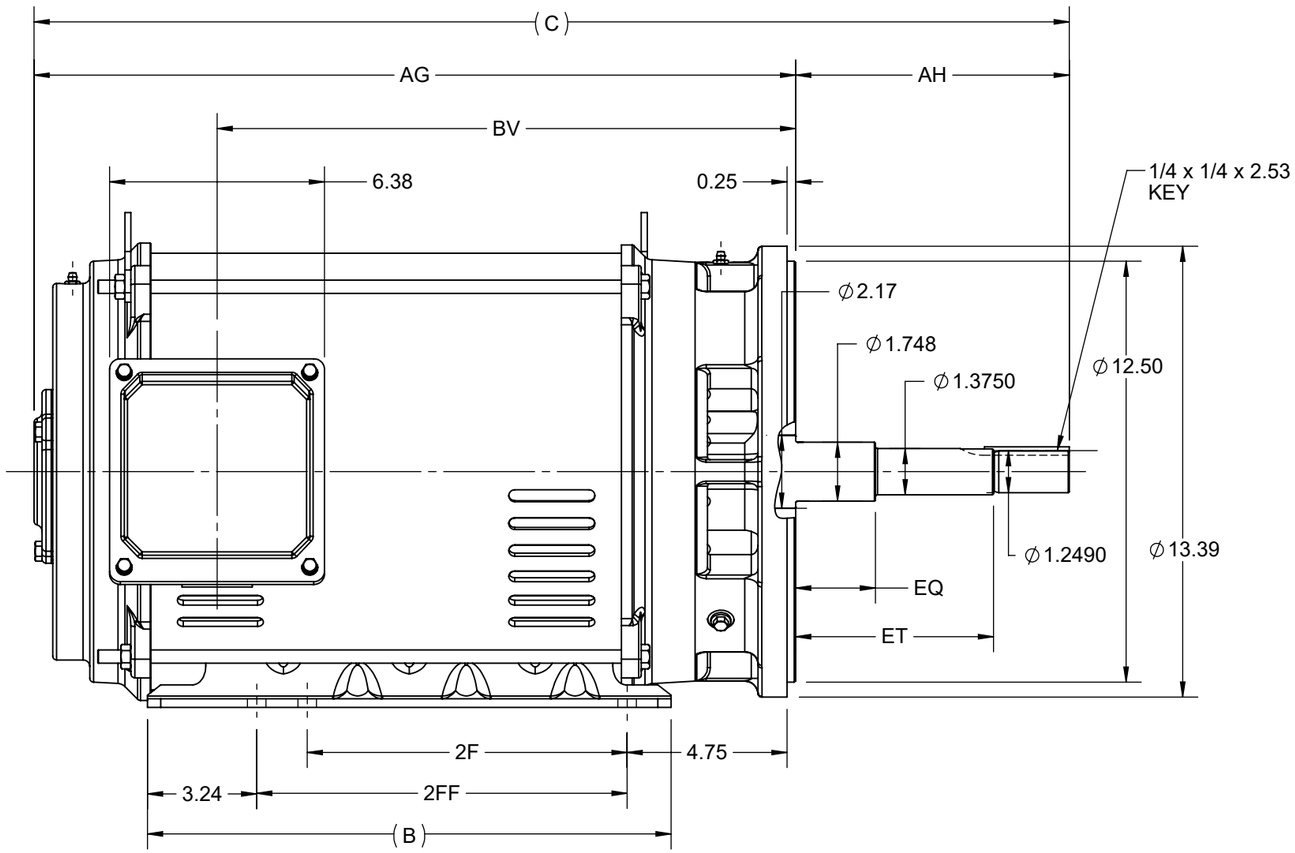
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**.5345 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JP**	Overall Length	**30.91 in**
Frame Length	**13.97 in**	Shaft Diameter	**1.249 in**
Shaft Extension	**8.4 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Variable 10:1**		

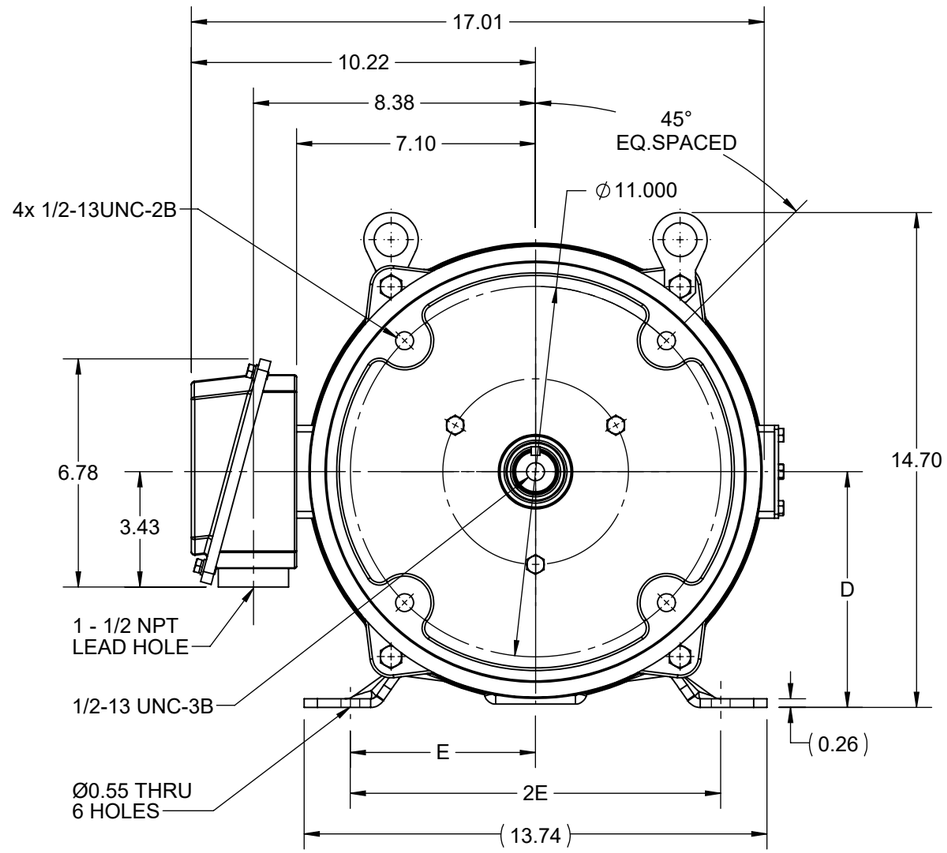
Drawings

Connection Drawing	**EE7308AA**	Outline Drawing	**SS620826-200**

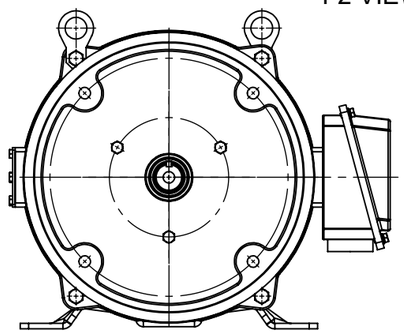
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DASH NO.	B	C	D	E	2E	2F	2FF	AG	AH	BV	EQ	ET	MOUNTING	FRAME
100	15.55	29.36	7.00	5.50	11.00	9.50	11.00	21.24	8.126	15.80	2.37	5.88	F1 OR F2	284JP
200		30.74						22.61		17.18				284/286JP





F2 VIEW



DRAWING REVISION	REVISION BY	REV DATE/© DATE
D	VS	23RD JULY 25
REQUEST NUMBER	APPROVED BY	DATE
NMR-0238040	VS	23RD JULY 25

REQUEST NUMBER DESCRIPTION
ADDED F2 MOUNTING PLATE

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 200 / INCH 5.1 / mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

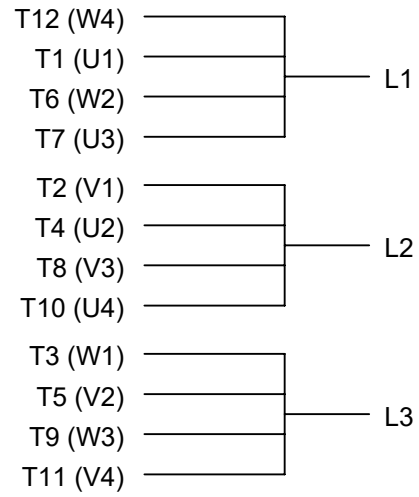
DRAWN BY	WY
DATE	17/04/2017
APPROVED BY	ZYH
DATE	17/04/2017
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

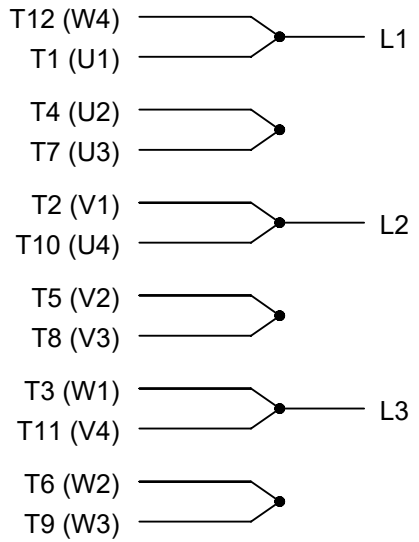
DESCRIPTION
OUTLINE
284/286JP FR NEMA ODP RS

MATERIAL | PROCESS/FINISH

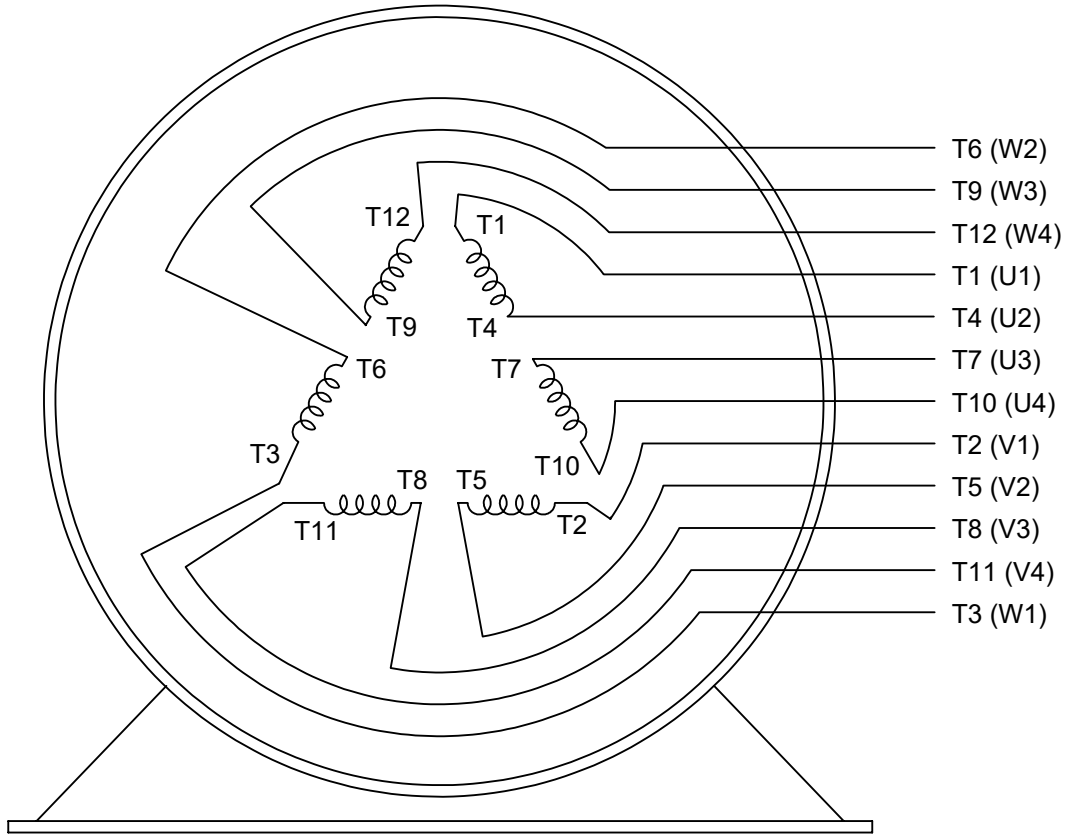
SIZE B | DRAWING NUMBER SS620826 | SHEET 1 OF 1



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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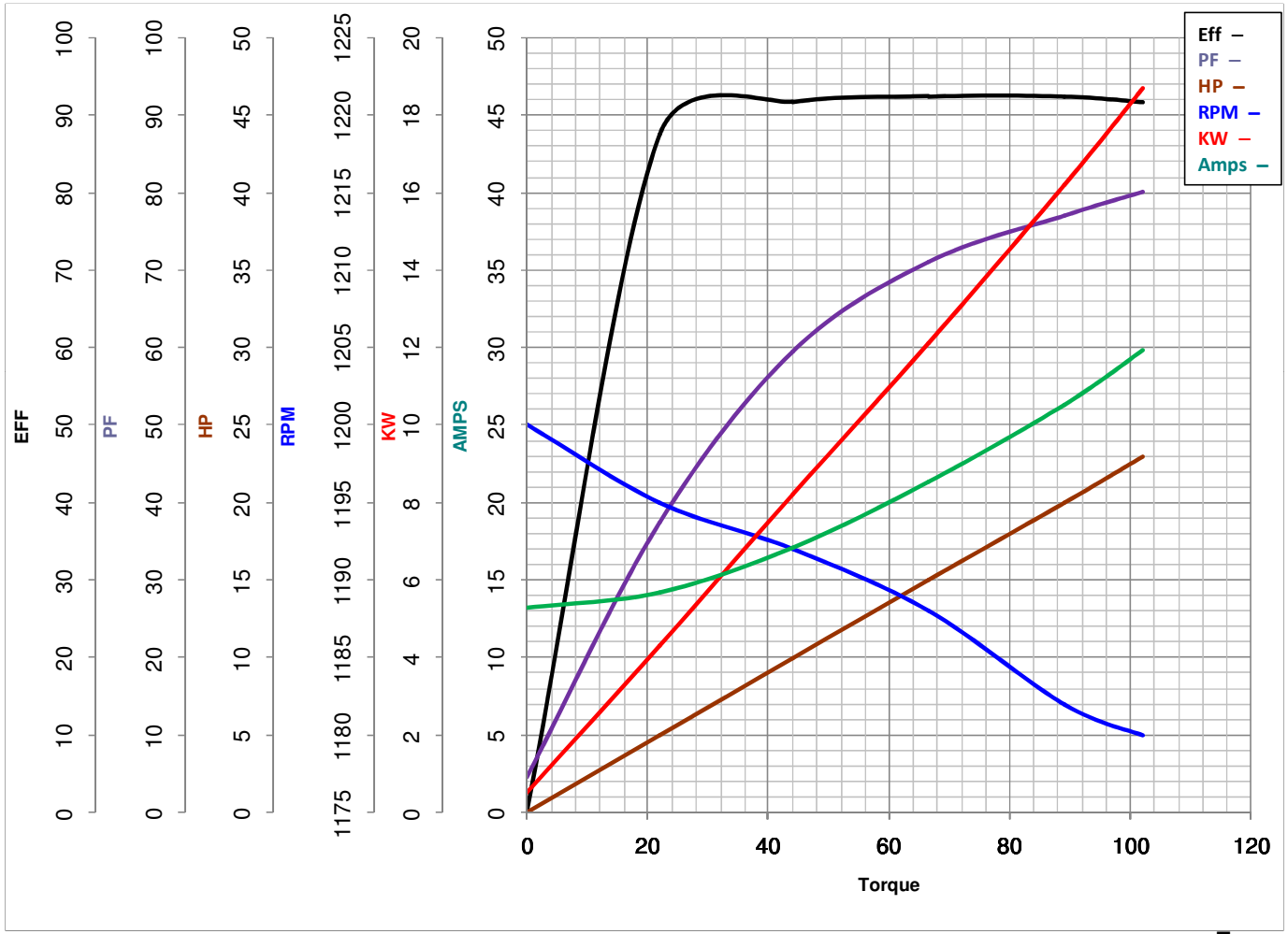
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at 460 **Volts** **HP** 20&15 **PHASE** 3
60 **HZ**
20 **HP** **VOLTS** 230/460&190/380

Model No 286TTDBD6085

Catalog No GT2463 **HZ** 60&50 **RPM** 1182&985



Torque in Lb.Ft

FL TORQUE	89 **Lb.Ft**		**FL AMPS**	52.5/26.3	
BD TORQUE	217.0 **Lb.Ft**		**PU TORQUE**	128.0	**Lb.Ft**
LR TORQUE	150 **Lb.Ft**		**LR AMPS**	138	
WINDING	HE31806007-2	**Prepared By** ANUSHA M		**Date**	5/4/2018