marathon®

Close-Coupled Pump Motors

Model No: 284TTDBD6085
Catalog No: GT2460

Close-Coupled Pump Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 284JP Frame, DP

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Product Information Packet: Model No: 284TTDBD6085, Catalog No: GT2460 Close-Coupled Pump Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 284JP Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**15 & 10 Hp**
Output KW	**11.2 & 7.5 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1184 & 988 r/min**	Synchronous RPM	**1200 & 1000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**284JP**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**91.7 & 91 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**41/20.6 & 35/17.5 A**
Power Factor	**74.5**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	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

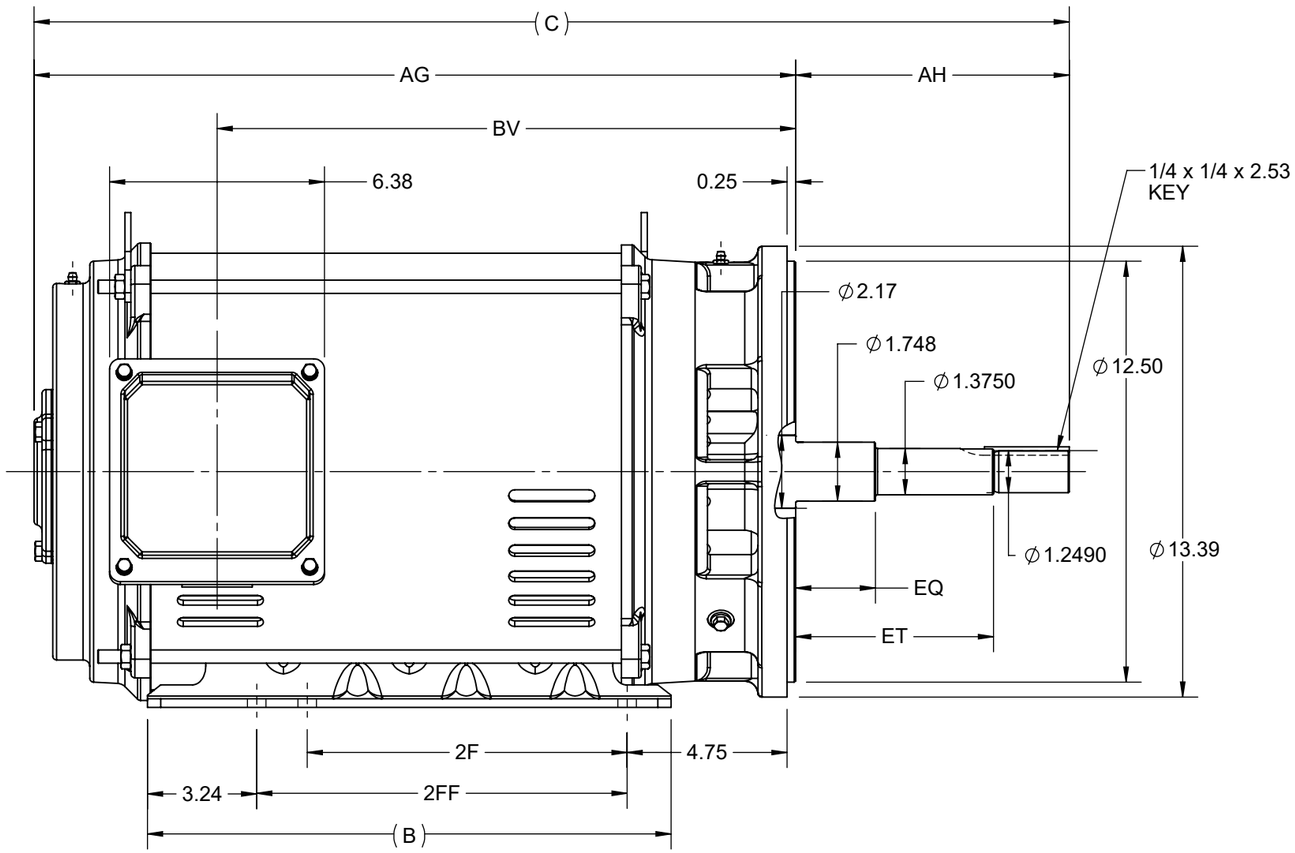
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**.7266 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JP**	Overall Length	**29.53 in**
Frame Length	**12.59 in**	Shaft Diameter	**1.249 in**
Shaft Extension	**8.4 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1/Variable 10:1**		

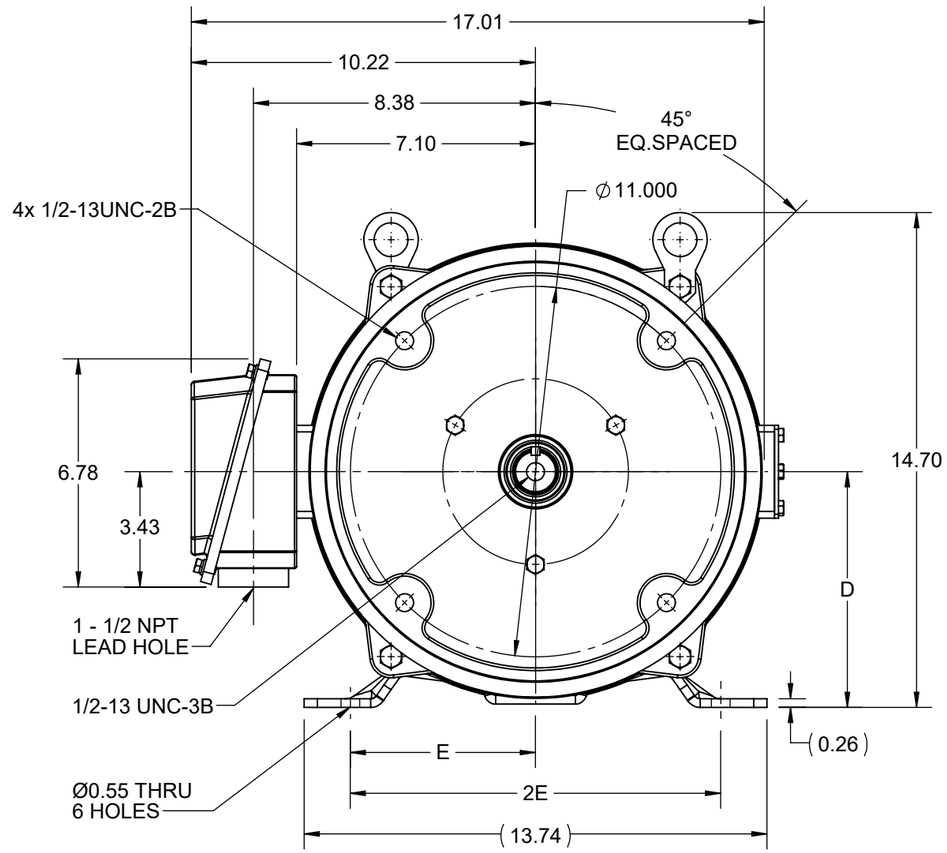
Drawings

Connection Drawing	**EE7308AA**	Outline Drawing	**SS620826-100**

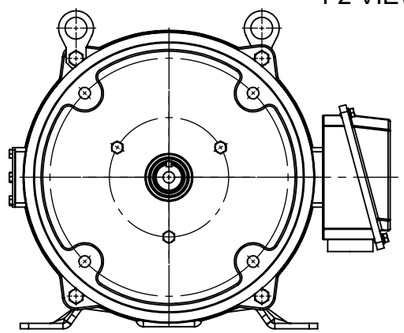
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DASH NO.	B	C	D	E	2E	2F	2FF	AG	AH	BV	EQ	ET	MOUNTING	FRAME
100	15.55	29.36	7.00	5.50	11.00	9.50	11.00	21.24	8.126	15.80	2.37	5.88	F1 OR F2	284JP
200		30.74						22.61		17.18				284/286JP





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

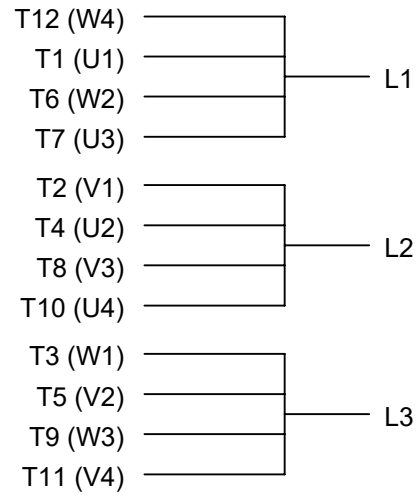
DRAWN BY	WY
DATE	17/04/2017
APPROVED BY	ZYH
DATE	17/04/2017
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

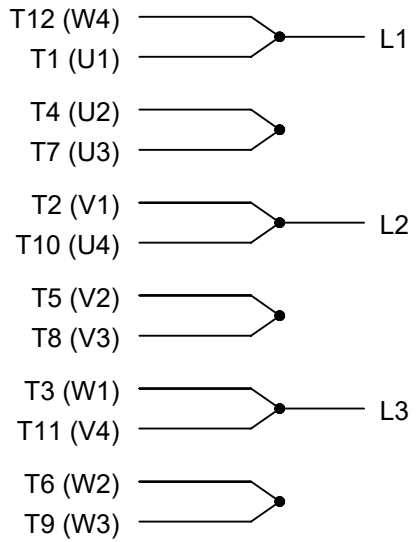
DESCRIPTION
OUTLINE
284/286JP FR NEMA ODP RS

MATERIAL | PROCESS/FINISH

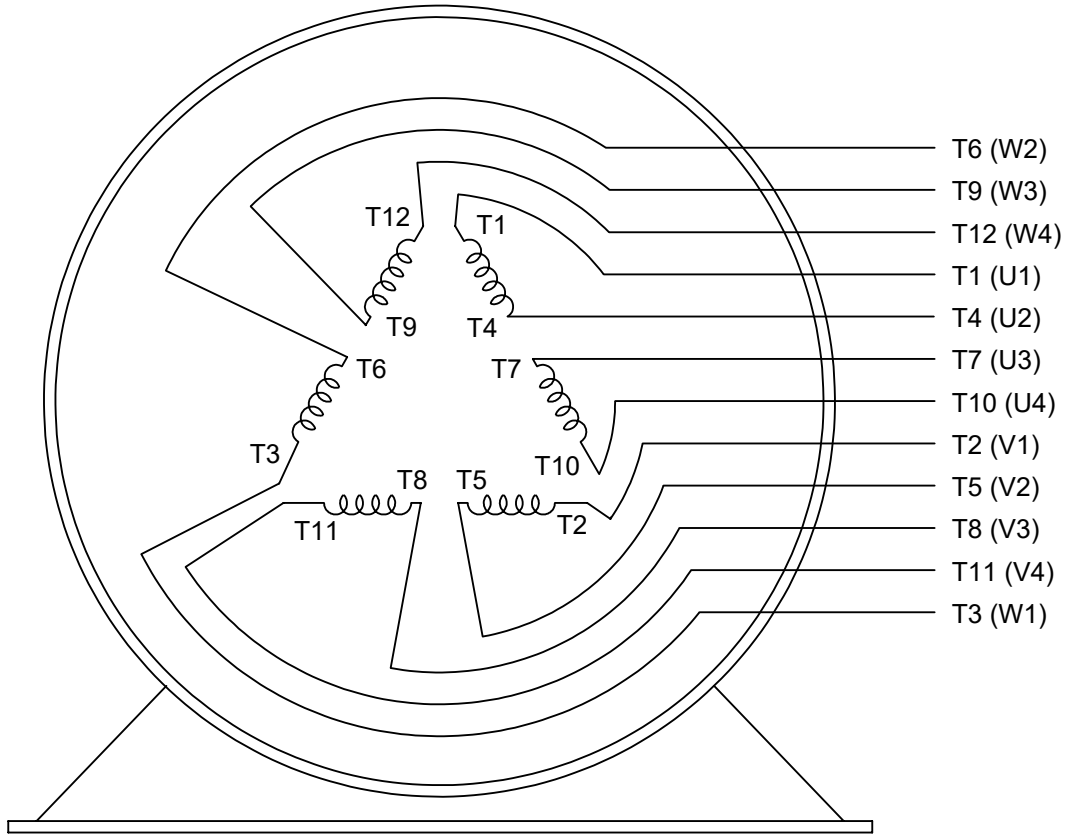
SIZE B | DRAWING NUMBER SS620826 | SHEET 1 OF 1



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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Data Sheet

Date: 12/2/2021
Customer:
Attention:
Submitted by:

marathon® Motors

284TTDBD6085

Submittal

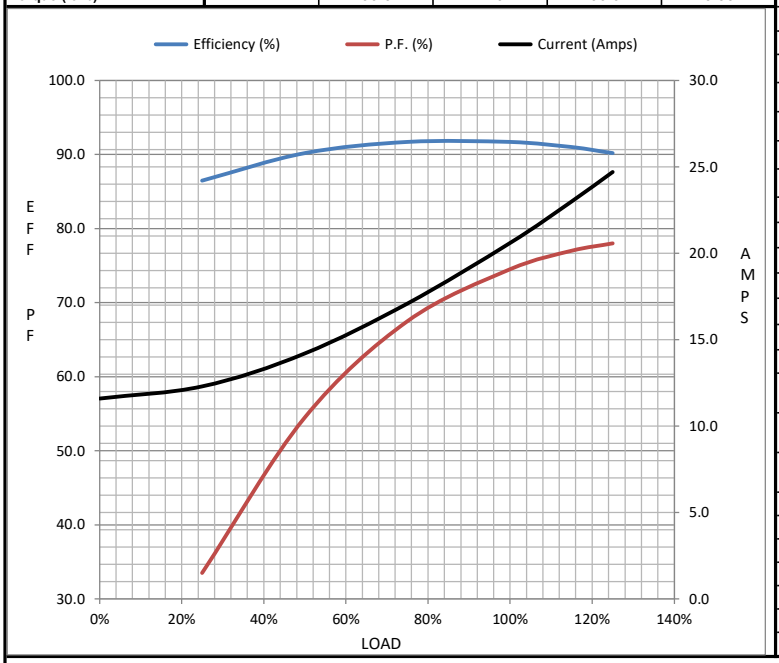
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	11.6	12.3	14.2	17.1	20.6	23.0	24.7	112	
Torque (ft-lb)	0.00	16.5	33.0	49.8	66.6	76.7	83.6	117	
RPM	1200	1195	1192	1188	1184	1,180	1180	0	
Efficiency (%)		86.5	90.2	91.7	91.7	91.0	90.2		
P.F. (%)	5.0	33.5	54.5	67.5	74.5	77.0	78.0	42.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1100	1184	1200
Current (Amps)	112	100	69.0	20.6	11.6
Torque (ft-lb)	117	99.0	176	66.6	0.00



Information Block

HP	15.0	
Sync. RPM	1200	
Frame	284	
Enclosure	DP	
Construction	TDB	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	45	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	4.8	Lb-Ft²
Ref Wdg	HA31806008 NONE	
Sound Pressure @ 1M	65	dBA
VFD Rating	CONSTANT 2:1/VARIABLE 20:1	
Outline Dwg	SS620826-100	
Conn. Diag	EE7308AA	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.4570	0.2040	1.2380	1.7260	23.2280

Speed -Torque Curve

