marathon®

General Purpose Motors

Model No: 365TSTDBD6028
Catalog No: GT0285

General Purpose Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 365TSC Frame, DP

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Product Information Packet: Model No: 365TSTDBD6028, Catalog No: GT0285 General Purpose Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 365TSC Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**75 & 60 Hp**
Output KW	**56.0 & 45.0 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1780 & 1480 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**365TSC**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**95 & 94.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**171/85.5 & 166/83 A**
Power Factor	**86.8**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6314**
Opp Drive End Bearing Size	**6313**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

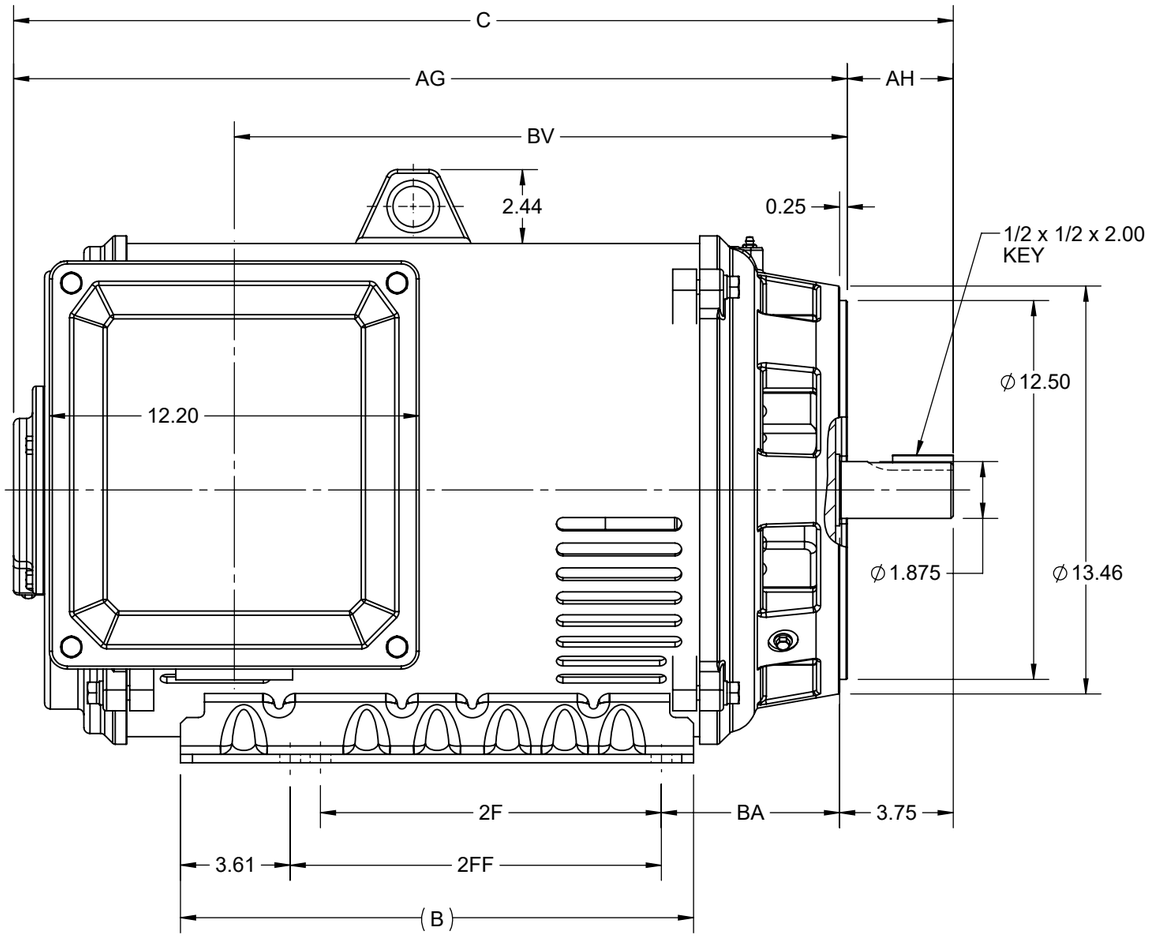
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.0835 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**TS**	Shaft Diameter	**1.875 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Variable 10:1**

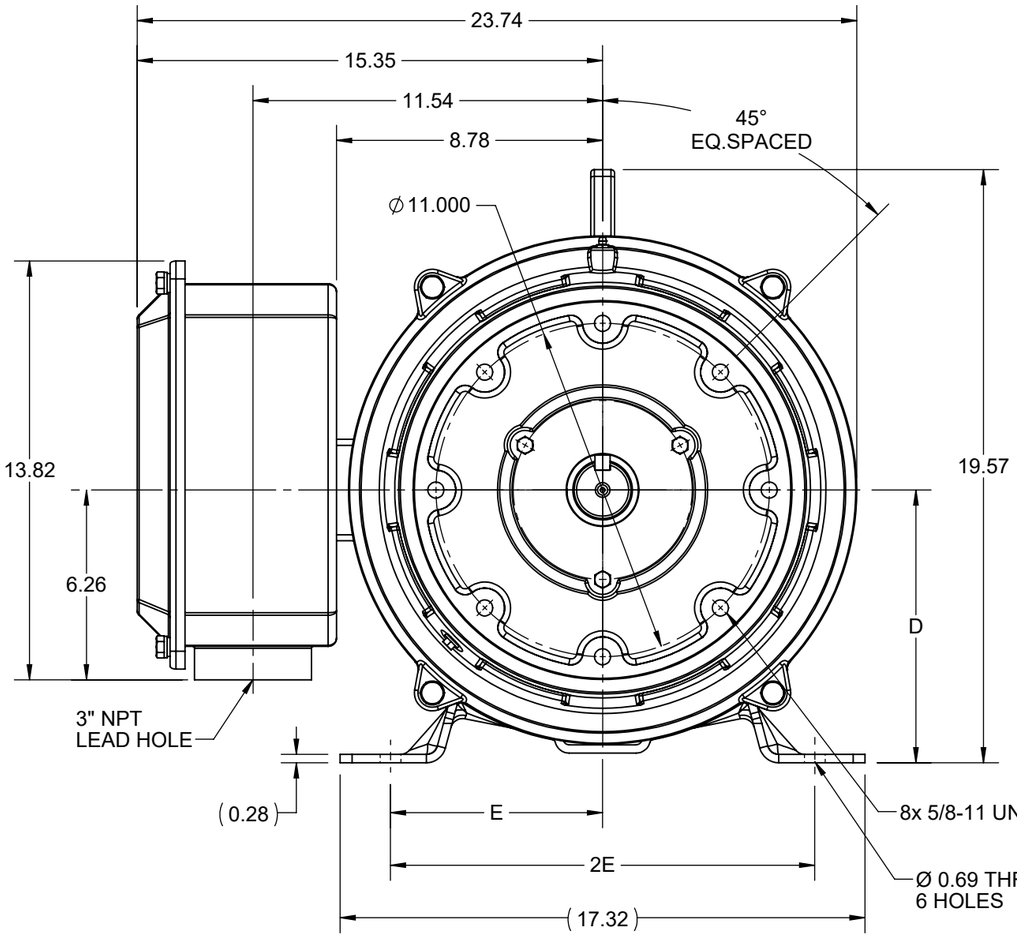
Drawings

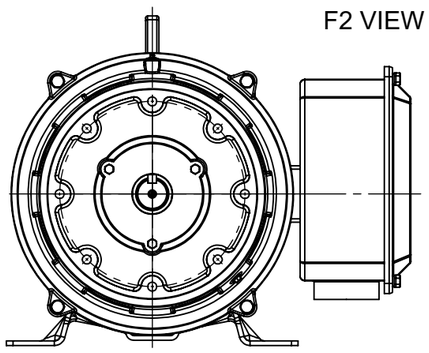
Connection Drawing	**EE7308AA**	Outline Drawing	**SS620749-200**

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DASH NO.	B	C	D	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME
100	16.93	29.44	9.00	7.00	14.00	11.25	12.25	25.94	3.50	5.88	18.65	F1 OR F2	364TSC
200		31.01						27.51			20.23		365TSC





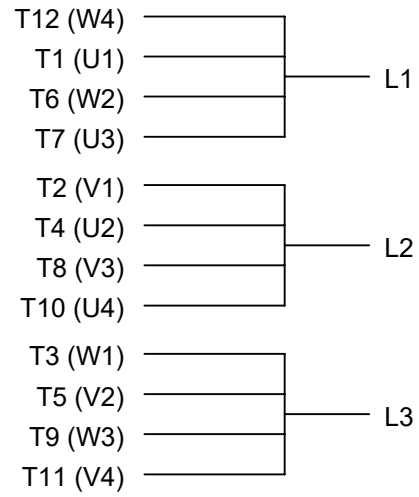


DRAWING REVISION: D	REVISION BY: SB	REV DATE/© DATE: 07/30/2025
REQUEST NUMBER: CR-0023600	APPROVED BY: SBD	DATE: 07/30/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

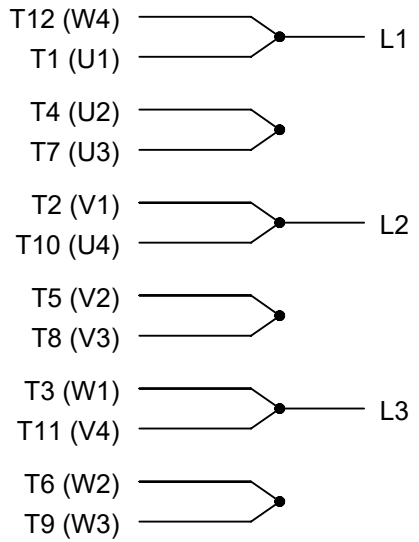
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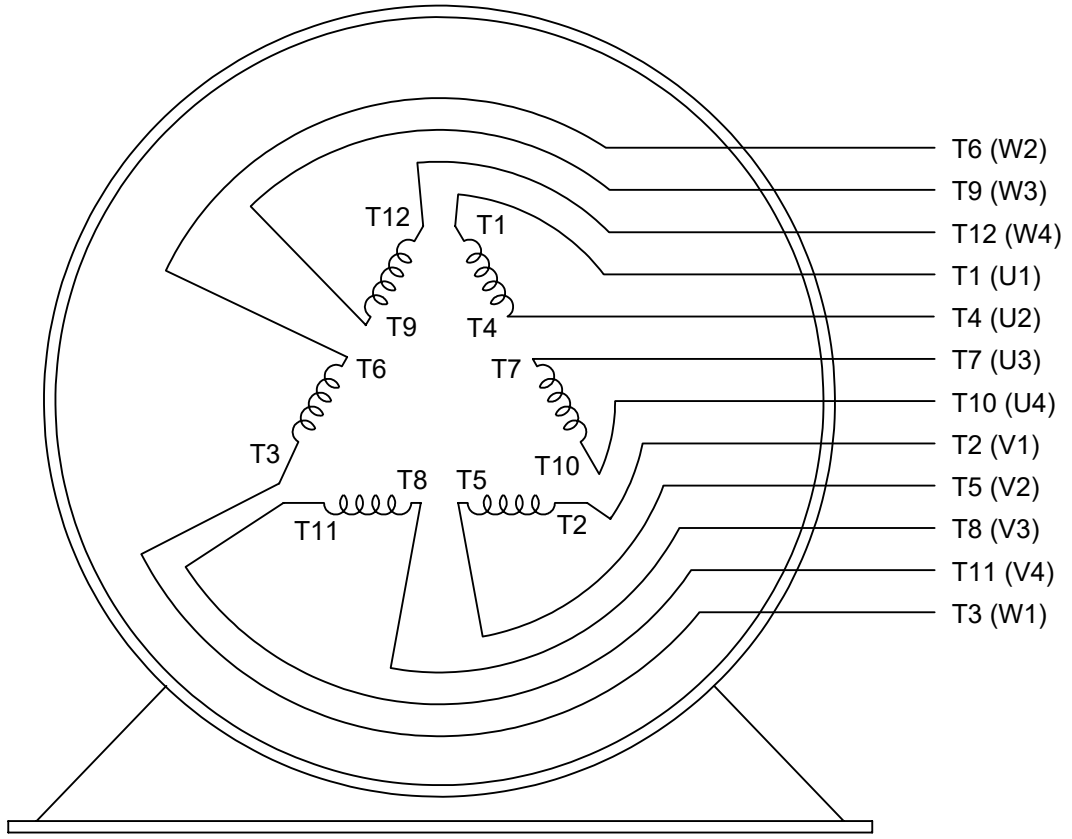
DRAWN BY: ZHU XIAOWEI	marathon™	
DATE: 18/10/2016	DESCRIPTION: OUTLINE 364/365TSC FR NEMA ODP RS	
APPROVED BY		
DATE		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS620749	SHEET: 1 OF 1



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: 8/11/2022
Customer:
Attention:
Submitted by:

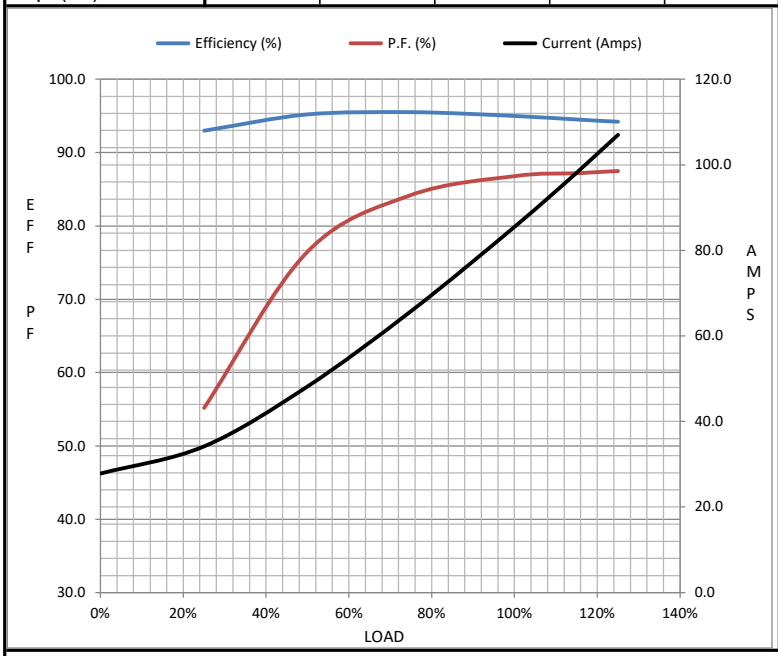
365TSTDBD6028
NA FAN
Submittal
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	27.8	34.2	48.2	65.8	85.5	98.2	107	595	
Torque (ft-lb)	0.00	55.0	110	166	221	255	277	505	
RPM	1800	1795	1790	1785	1780	1,778	1775	0	
Efficiency (%)		93.0	95.2	95.5	95.0	94.5	94.2		
P.F. (%)	4.2	55.2	76.5	84.2	86.8	87.2	87.5	36.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1690	1780	1800
Current (Amps)	595	475	320	85.5	27.8
Torque (ft-lb)	505	425	595	221	0.00



Information Block

HP	75.0
Sync. RPM	1800
Frame	365
Enclosure	DP
Construction	TDB
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	A
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	35 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	19.0 Lb-Ft²
Ref Wdg	HA32254022 NONE
Sound Pressure @ 1M	79 dBA
VFD Rating	VARIABLE 10:1
Outline Dwg	SS620749-200
Conn. Diag	EE7308AA
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0520	0.0330	0.2870	0.4080	9.3870

Speed -Torque Curve

