marathon®

General Purpose Motors

Model No: 365TTDBD6086
Catalog No: GT0079

General Purpose Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 365T Frame, DP

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Product Information Packet: Model No: 365TTDBD6086, Catalog No: GT0079 General Purpose Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 365T Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**50 & 40 Hp**
Output KW	**37.0 & 30.0 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1185 & 988 r/min**	Synchronous RPM	**1200 & 1000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**365T**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**94.1 & 93.6 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**120/60 & 116/58 A**
Power Factor	**83**	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

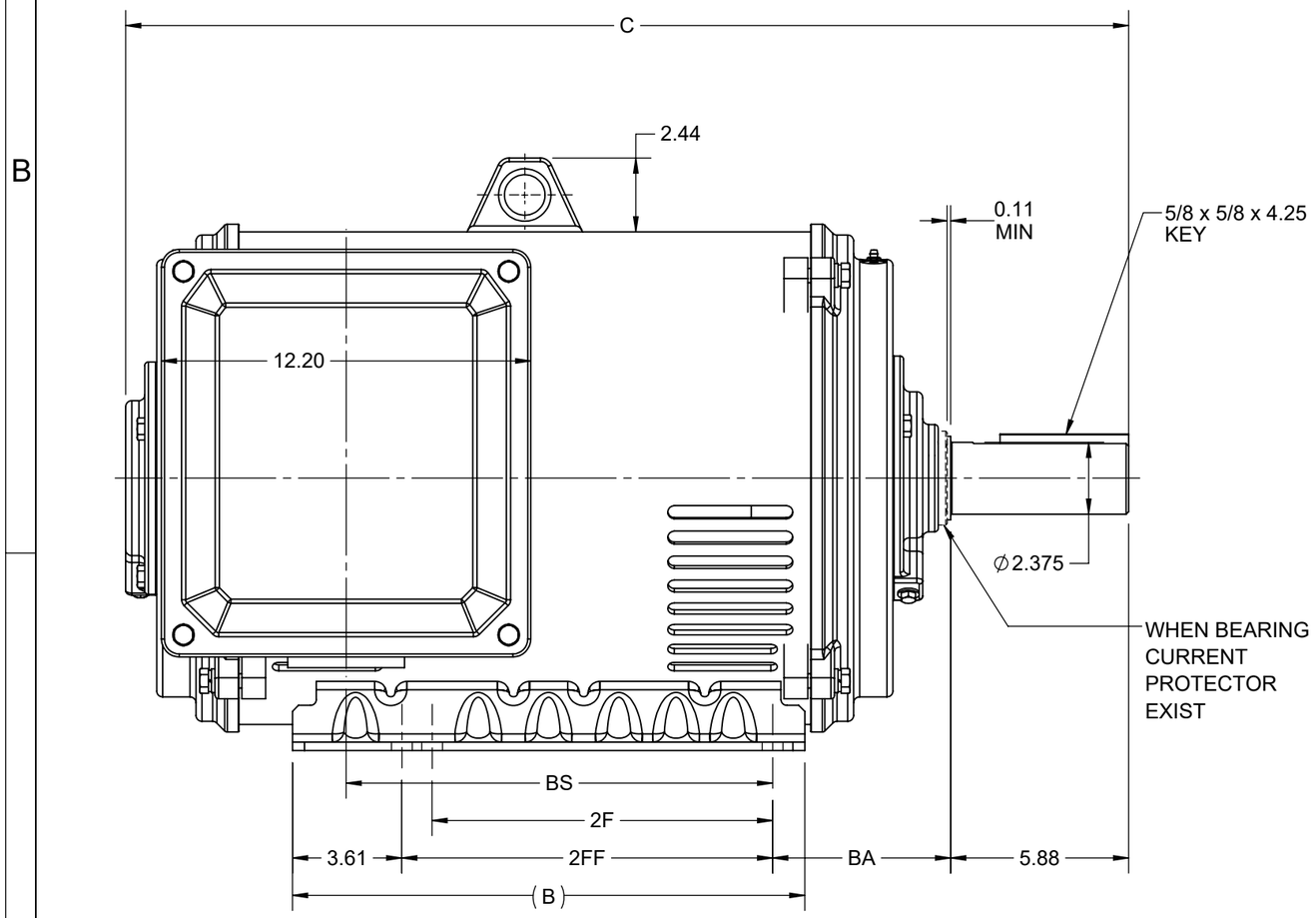
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**.164 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**33.27 in**
Shaft Diameter	**2 3/8 in**	Shaft Extension	**5.88 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Variable 10:1**

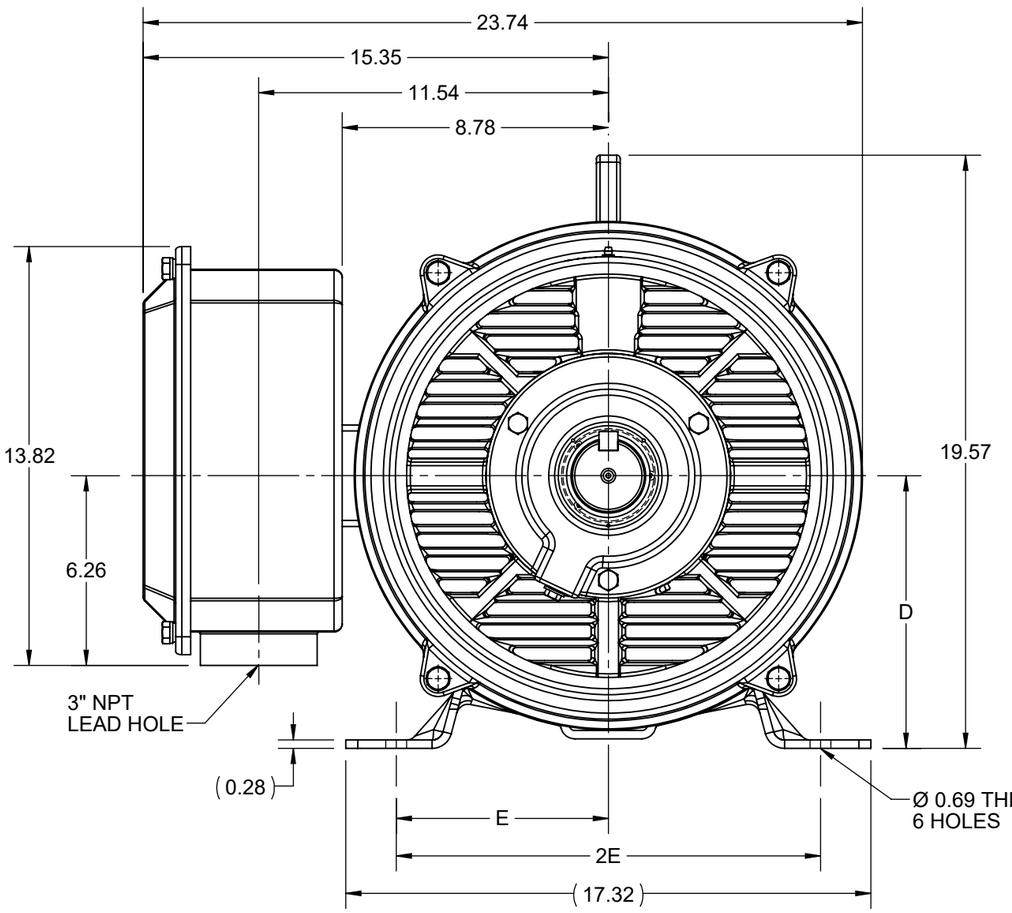
Drawings

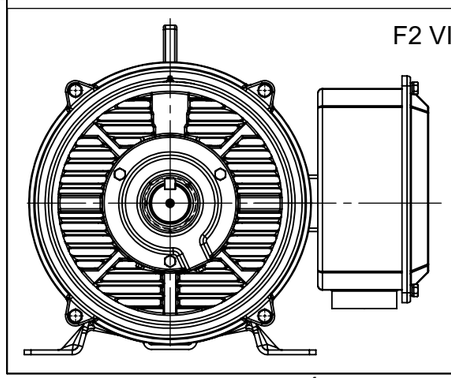
Connection Drawing	**EE7308AA**	Outline Drawing	**SS620750-200**

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DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	16.93	31.57	9.00	7.00	14.00	11.25	12.25	5.88	12.52	F1 OR F2	364T
200		33.14							14.09		365T







DRAWING REVISION	REVISION BY	REV DATE/© DATE
D	SB	07/23/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023556	SBD	07/23/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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ARE FOR REFERENCE ONLY

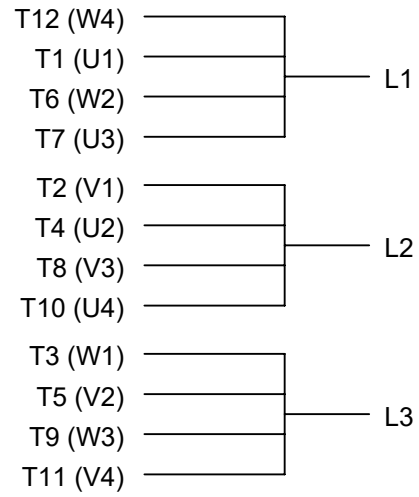
DRAWN BY	
DATE	
APPROVED BY	
DATE	
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

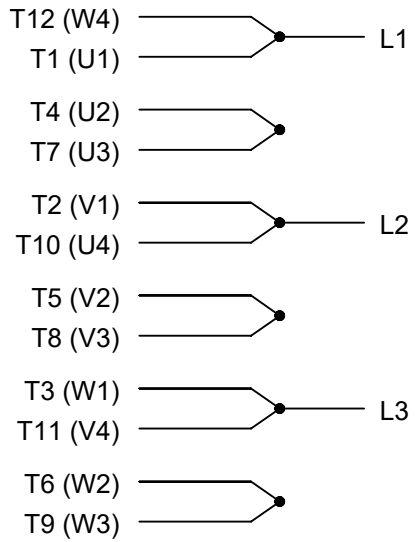
DESCRIPTION
OUTLINE
364/365T FR NEMA ODP RS

MATERIAL	PROCESS/FINISH

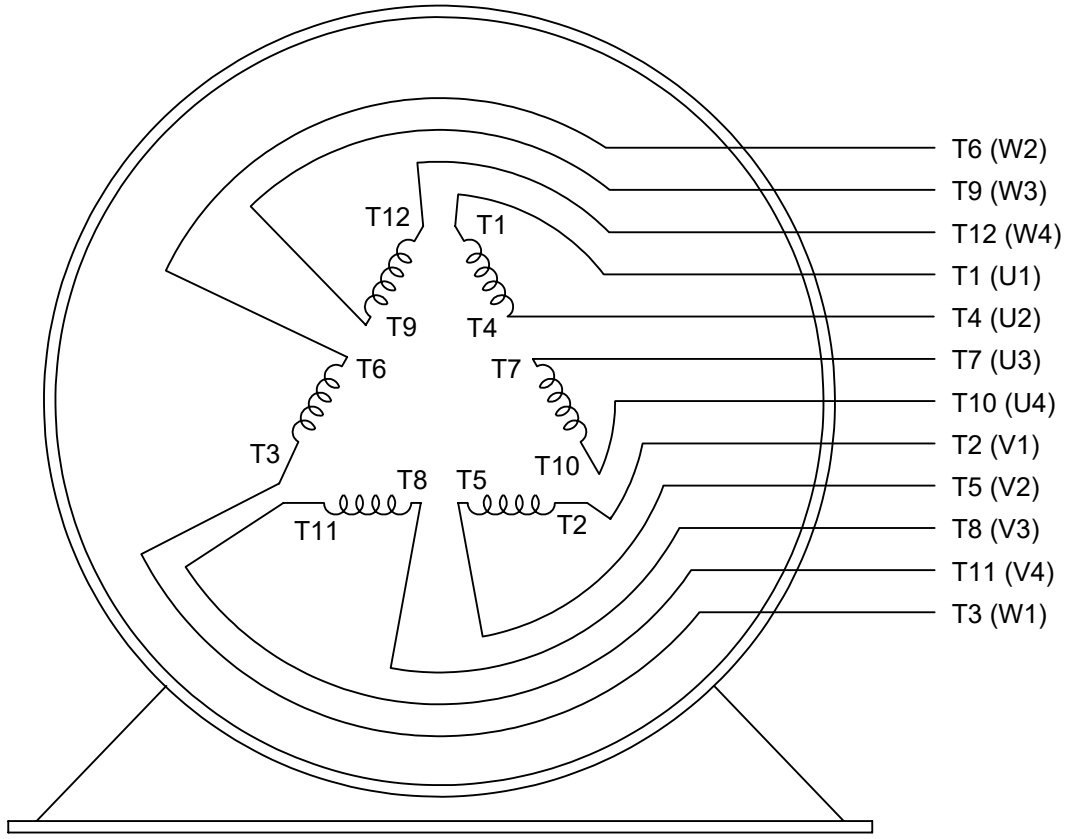
SIZE	DRAWING NUMBER	SHEET
B	SS620750	1 OF 1



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: 12/1/2021
Customer:
Attention:
Submitted by:

marathon® Motors

365TTDBD6086

Submittal

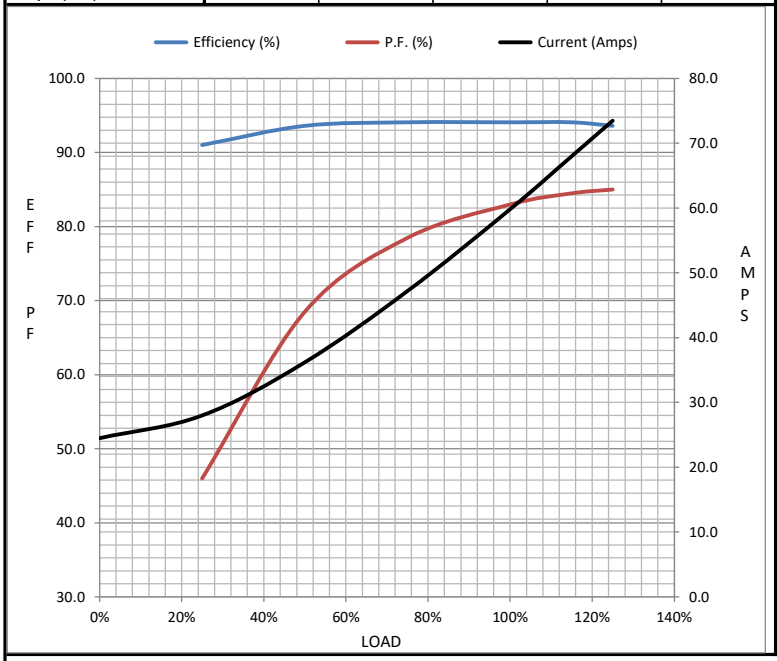
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	24.5	28.0	36.2	47.2	59.8	68.0	73.5	355	
Torque (ft-lb)	0.00	55.0	110	165	221	255	277	420	
RPM	1200	1198	1194	1190	1185	1,185	1182	0	
Efficiency (%)		91.0	93.6	94.1	94.1	94.1	93.6		
P.F. (%)	4.0	46.0	68.5	78.5	83.0	84.5	85.0	36.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1130	1185	1200
Current (Amps)	355	285	200	59.8	24.5
Torque (ft-lb)	420	350	553	221	0.00



Information Block

HP	50.0
Sync. RPM	1200
Frame	365
Enclosure	DP
Construction	TDB
Voltage	208-230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	40 ° C
Duty	CONT
Ambient	40 ° C
Elevation	3,300 feet
Rotor/Shaft wk²	23.5 Lb-Ft²
Ref Wdg	HA32256008 NONE
Sound Pressure @ 1M	72 dBA
VFD Rating	VARIABLE 20:1
Outline Dwg	SS620750-200
Conn. Diag	EE7308AA
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0940	0.0540	0.3910	0.5500	10.6030

Speed -Torque Curve

