marathon®

General Purpose Motors

Model No: 364TSTDBD6060
Catalog No: GT0082

General Purpose Motor, 60 & 50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 364TS Frame, DP

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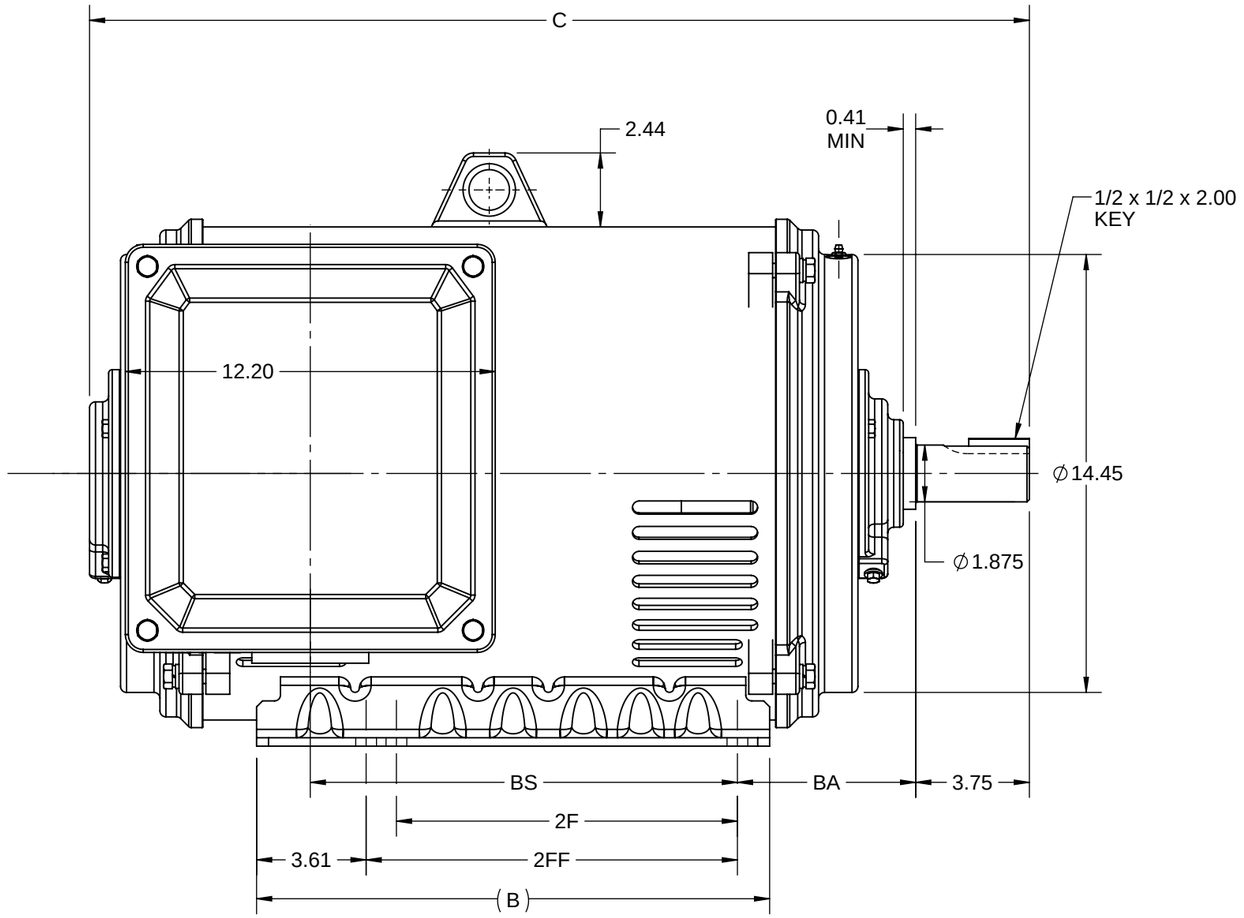
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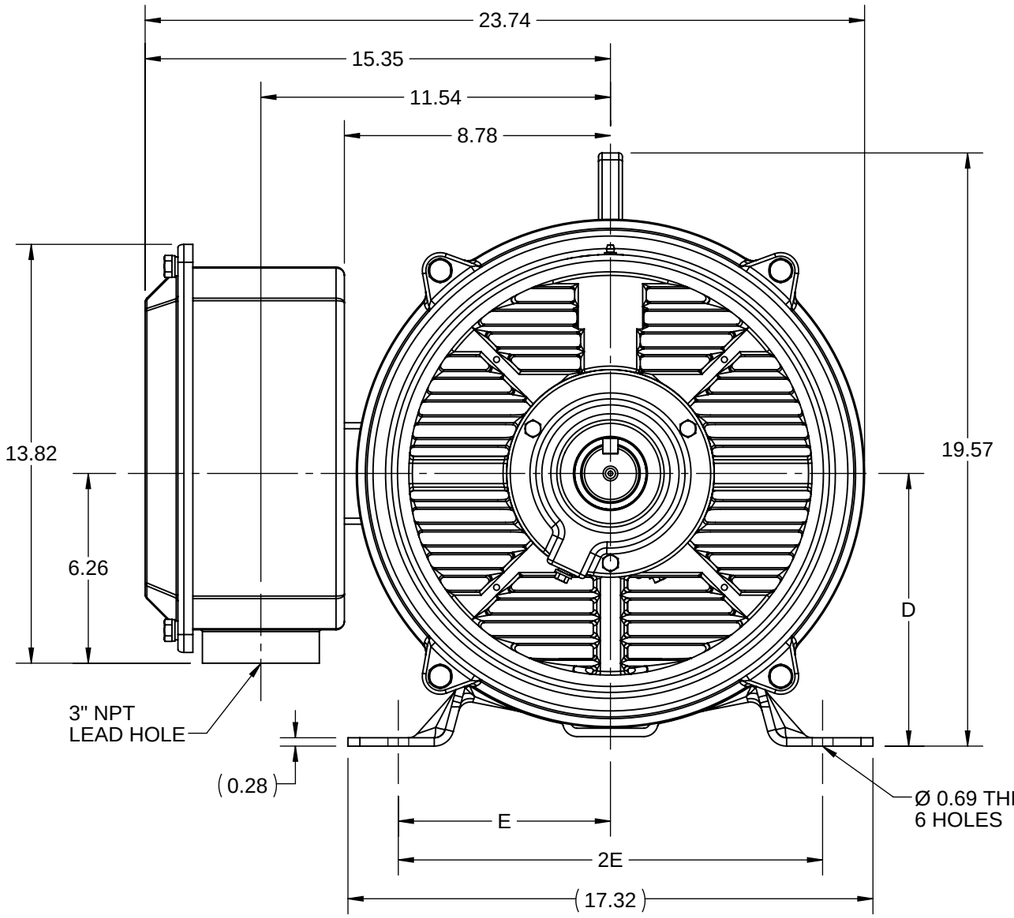
Product Information Packet: Model No: 364TSTDBD6060, Catalog No: GT0082 General Purpose Motor, 60 & 50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 364TS Frame, DP

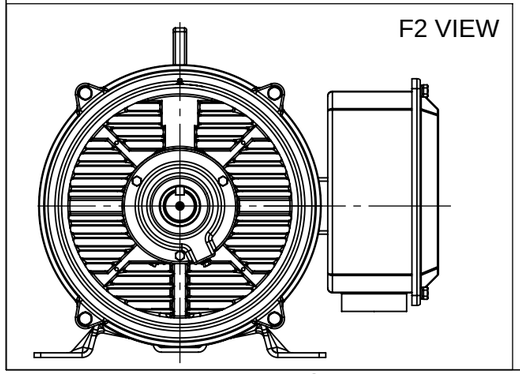
Nameplate Specifications			
Phase	**3**	Output HP	**60 & 50 Hp**
Output KW	**45.0 & 37.0 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1785 & 1485 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**364TS**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**95 & 94.2 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**138/69 & 139/69.5 A**
Power Factor	**86.2**	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	**.117 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**TS**	Overall Length	**29.57 in**
Frame Length	**17.32 in**	Shaft Diameter	**1.875 in**
Shaft Extension	**3.75 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Variable 10:1**		
Drawings			
Connection Drawing	**EE7308AA**	Outline Drawing	**SS620748-100**

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DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	16.93	29.44	9.00	7.00	14.00	11.25	12.25	5.88	12.52	F1 OR F2	364TS
200		31.01							14.09		365TS







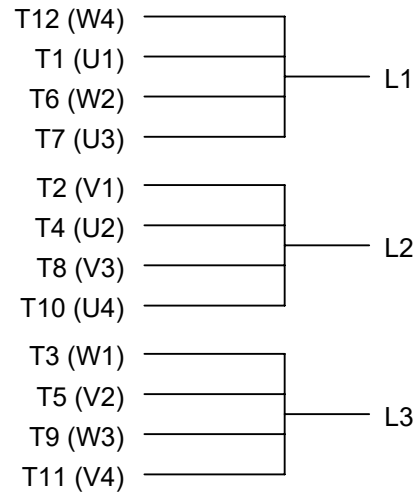
DRAWING REVISION	REVISION BY	REV DATE/© DATE
D	SV	05/22/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026372	RMS	05/22/2026

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

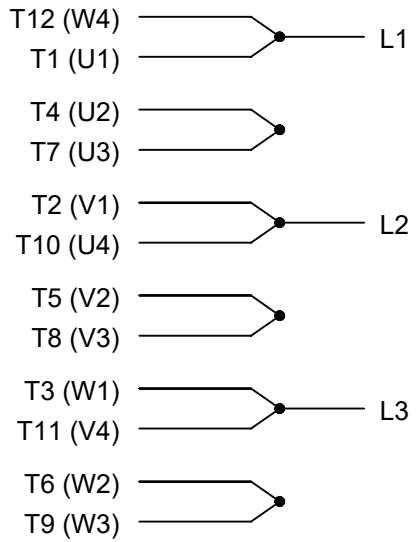
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PRIMARY DIMENSIONS ARE INCH
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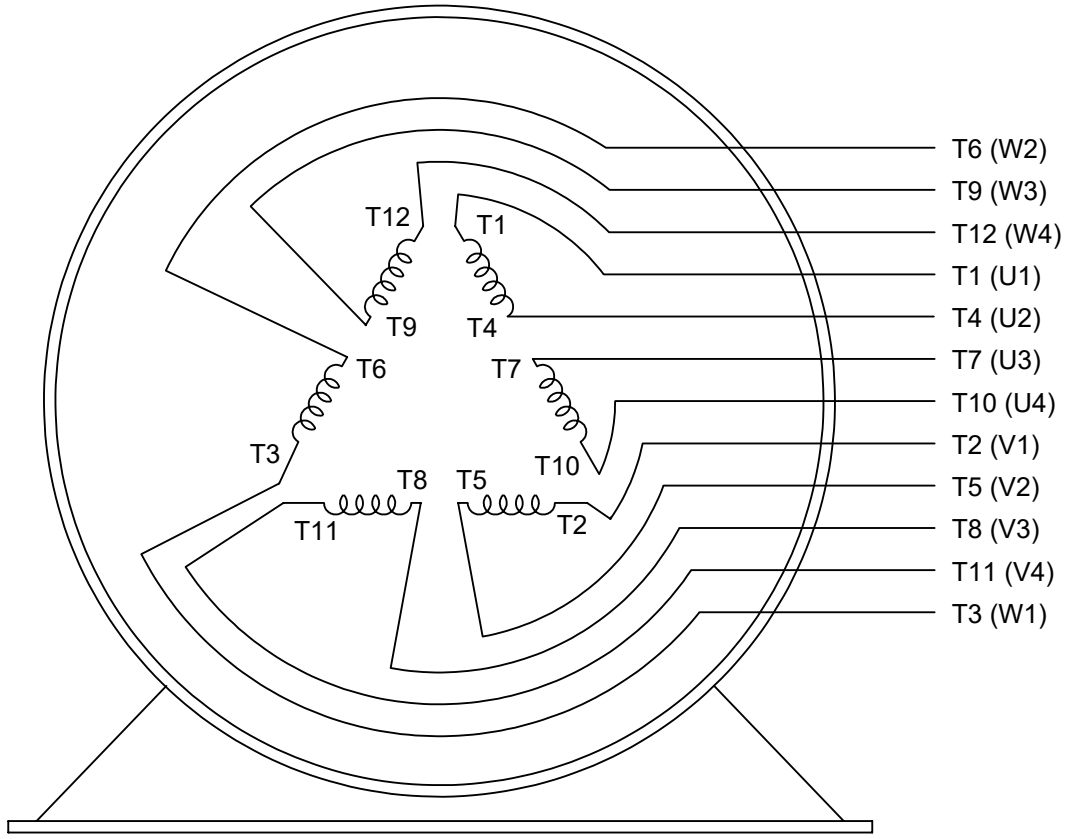
DRAWN BY	marathon™
ZHU XIAOWEI	
DATE	
27/04/2021	
APPROVED BY	DESCRIPTION
DATE	OUTLINE
	364/365TS FR NEMA ODP RS
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER SS620748 / SHEET 1 OF 1



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

marathon® Motors

364TSTDBD6060

Submittal

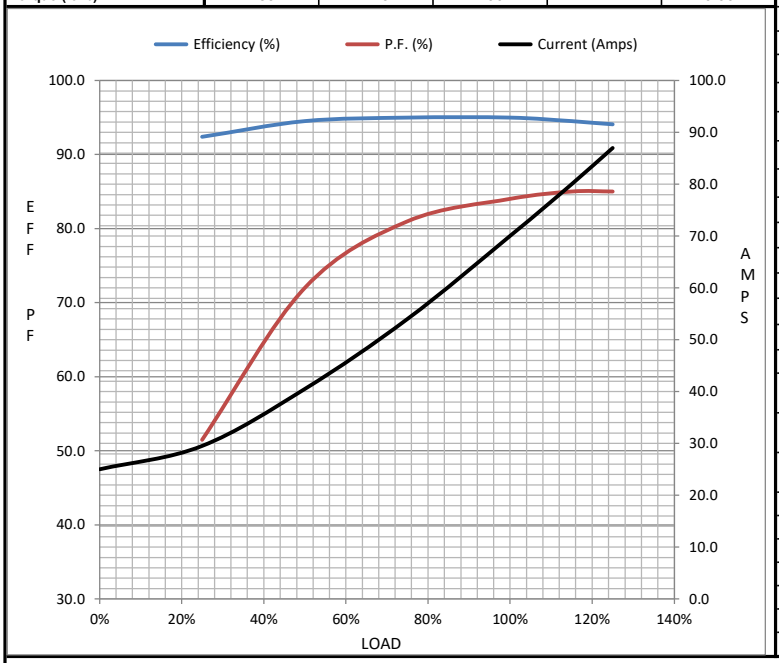
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	25.0	29.5	40.5	54.0	70.0	80.0	87.0	435	
Torque (ft-lb)	0.00	44.0	88.0	132	177	204	222	285	
RPM	1800	1795	1790	1785	1782	1,780	1775	0	
Efficiency (%)		92.4	94.5	95.0	95.0	94.5	94.1		
P.F. (%)	4.0	51.5	72.0	81.0	84.0	85.0	85.0	32.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1715	1782	1800
Current (Amps)	435	350	238	70.0	25.0
Torque (ft-lb)	285	225	400	177	0.00



Information Block

HP	60.0
Sync. RPM	1800
Frame	364
Enclosure	DP
Construction	TFC
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	16.5 Lb-Ft²
Ref Wdg	HA32254014 NONE
Sound Pressure @ 1M	72 dBA
VFD Rating	VARIABLE 20:1
Outline Dwg	SS620748-100
Conn. Diag	EE7308AA
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0640	0.0380	0.3920	0.4960	10.6360

Speed -Torque Curve

