marathon®

Severe Duty Motors

Model No: 364TTFCD6540
Catalog No: E060

Severe Duty Motor, 60 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 364TC Frame, TEFC

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Product Information Packet: Model No: 364TTFCD6540, Catalog No: E060 Severe Duty Motor, 60 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 364TC Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**60 Hp**
Output KW	**45.0 kW**	Voltage	**460 V**
Speed	**1780 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**364TC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**95 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**68.0 A**
Power Factor	**87.2**	Duty	**Continuous**
Insulation Class	**H**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6313**
Opp Drive End Bearing Size	**6213**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

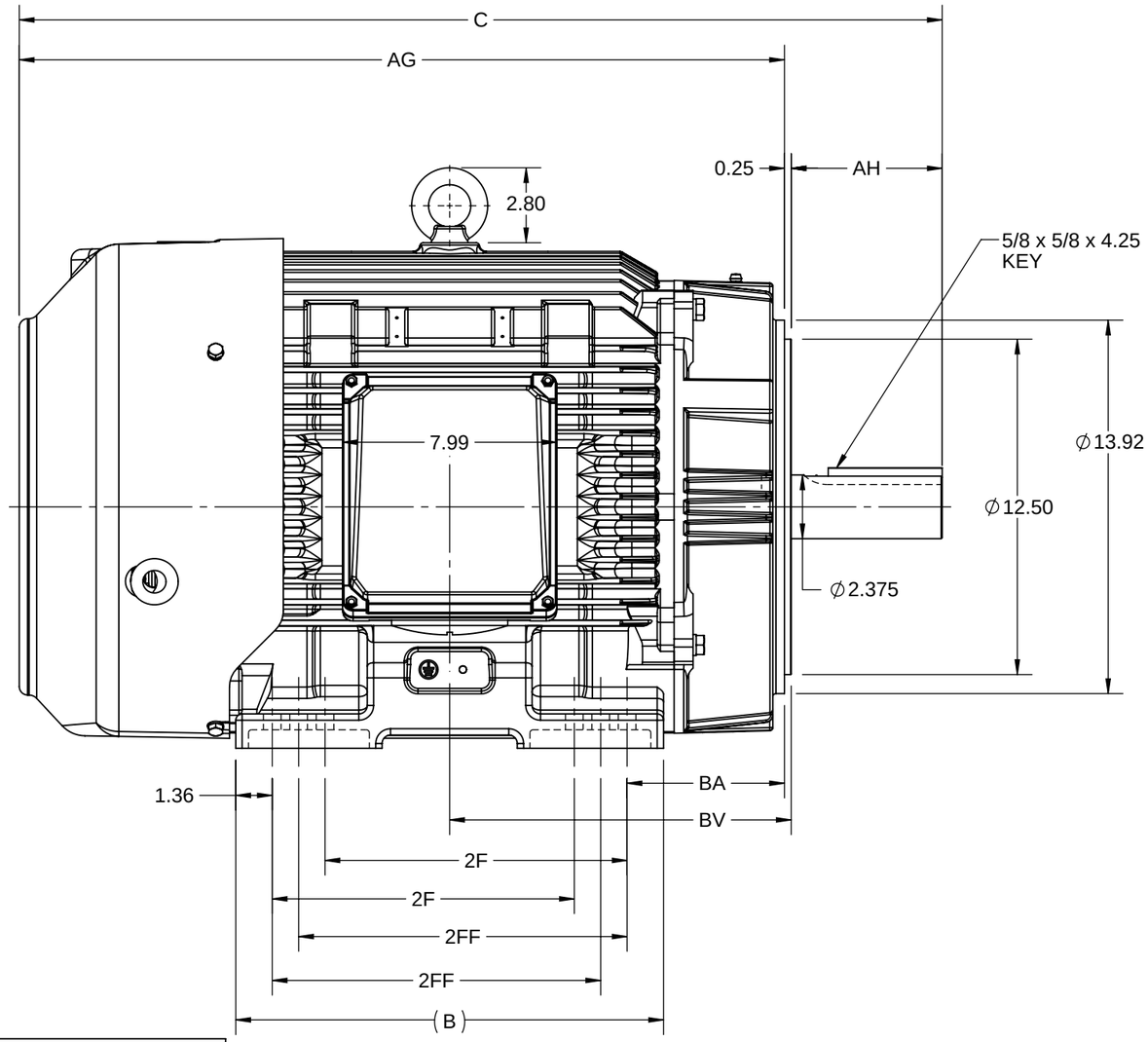
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.104 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Shaft Diameter	**2.375 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1/Variable 10:1**

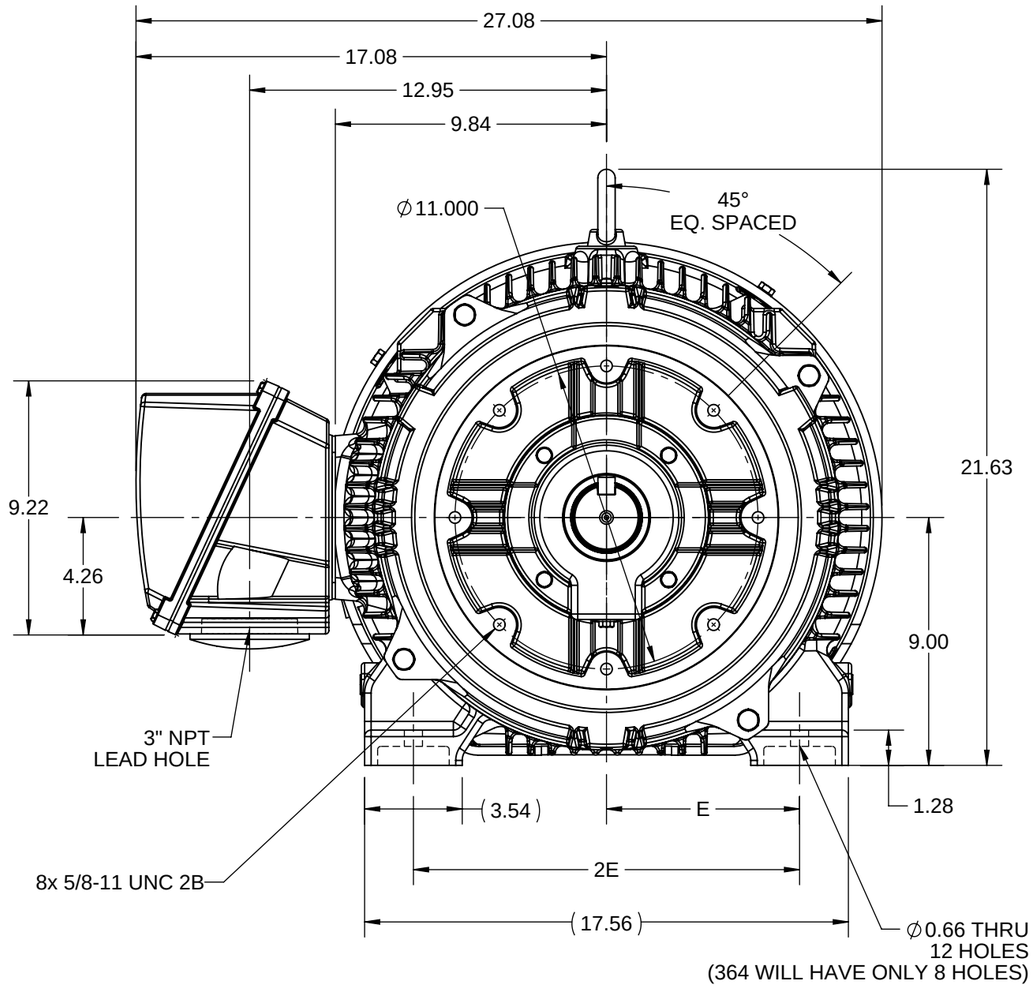
Drawings

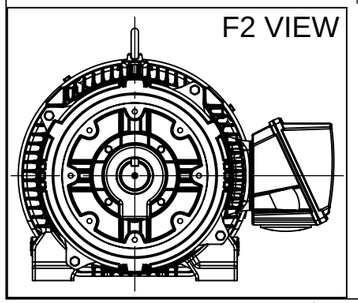
Connection Drawing	**EE7300U**	Outline Drawing	**SS557769-100**

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DASH NO.	B	C	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME
100	14.96	33.40	7.00	14.00	-	11.25	27.52	5.62	5.88	12.23	F1 OR F2	364TC
200	15.94	34.40			11.25	12.25	28.52			12.73		364/365TC







DRAWING REVISION	REVISION BY	REV DATE/© DATE
C	SB	05/21/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026353	RMS	05/21/2026

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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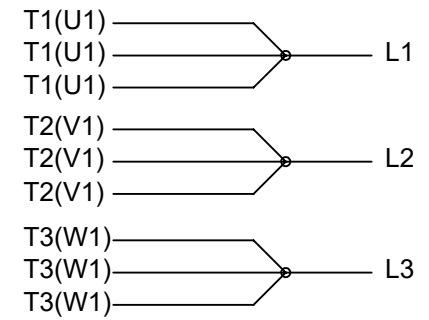
PRIMARY DIMENSIONS ARE INCH
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ARE FOR REFERENCE ONLY

DRAWN BY	DESCRIPTION
BISWA	OUTLINE
DATE: 13/03/2019	364/365TC FR-NEMA-SD & IEEE841
APPROVED BY: SBD	
DATE: 13/03/2019	
REFERENCE	MATERIAL / PROCESS/FINISH

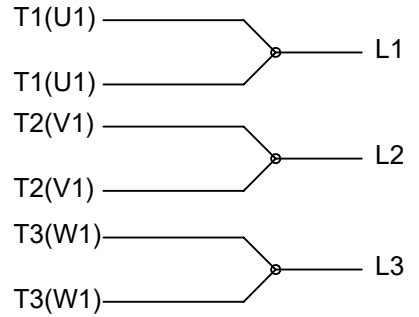
THIRD ANGLE PROJECTION

SIZE	DRAWING NUMBER	SHEET
B	SS557769	1 OF 1

IF MOTOR HAS 9 LEADS

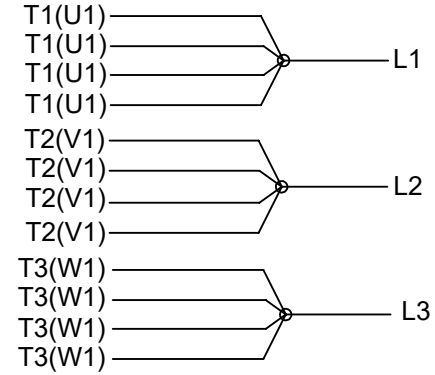


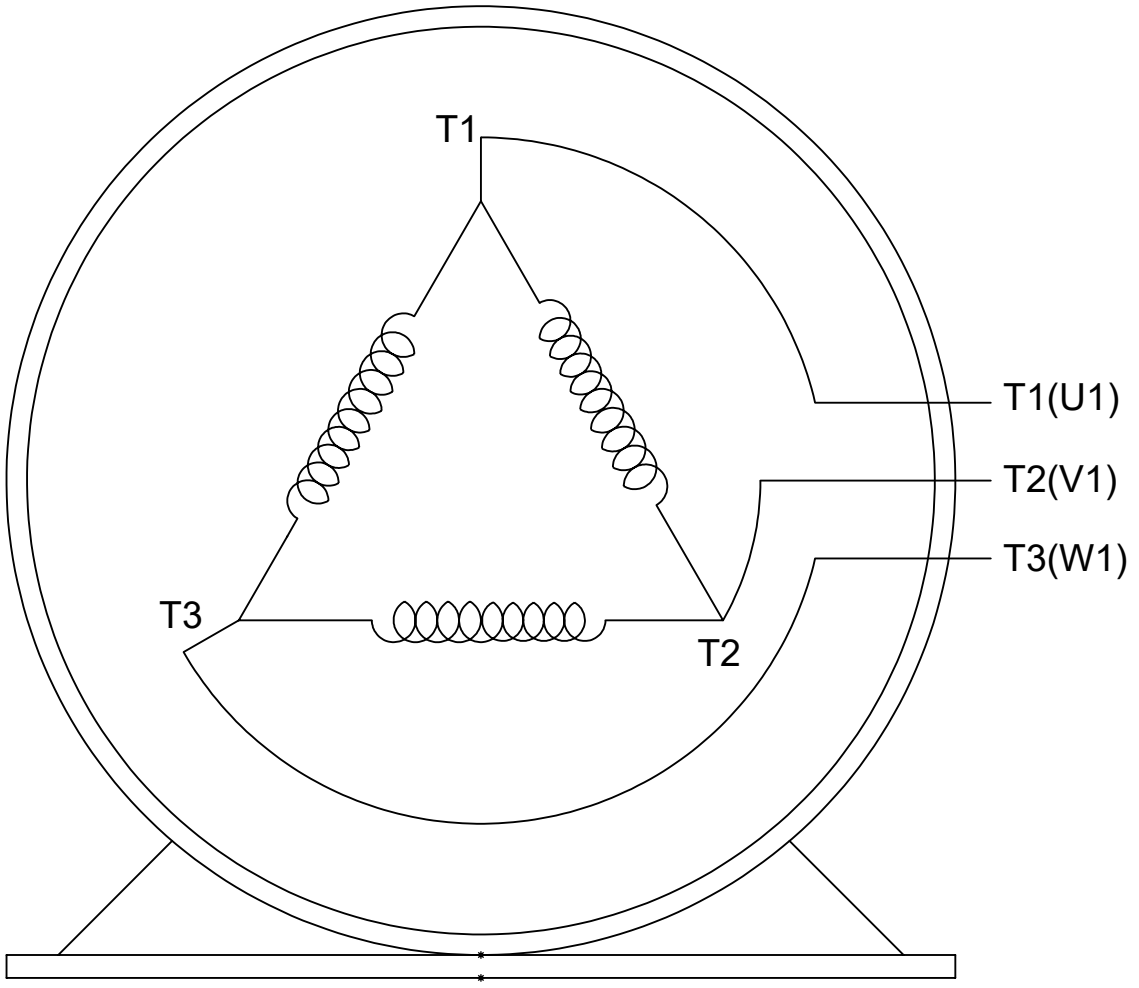
IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS





VIEW OF TERMINAL END

DRAWING REVISION	REVISION BY	REV DATE/© DATE
M	SB	08/01/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023654	SBD	08/01/2025

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DRAWN BY	DRS
DATE	09-27-1996
APPROVED BY	GK
DATE	09-30-1996
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø SINGLE VOLTAGE

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300U	1 OF 1

Data Sheet

Date: 8/1/2022
Customer:
Attention:
Submitted by:

marathon® electric

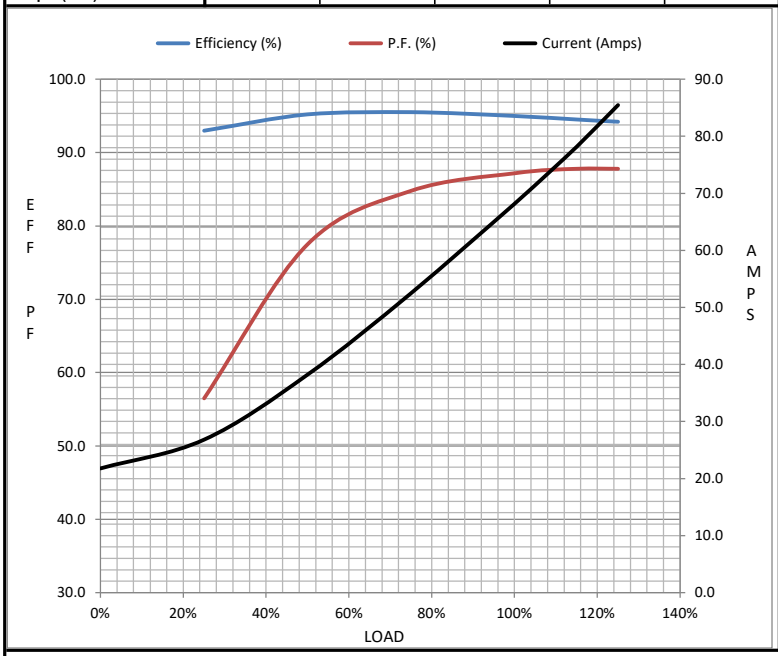
364TTFCD6540
NA FAN
Submittal
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	21.8	26.8	38.2	52.5	68.2	78.2	85.5	435	
Torque (ft-lb)	0.00	44.0	88.0	132	177	204	222	390	
RPM	1800	1795	1790	1785	1780	1,780	1775	0	
Efficiency (%)		93.0	95.2	95.5	95.0	94.5	94.2		
P.F. (%)	4.5	56.5	77.5	84.8	87.2	87.8	87.8	38.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1695	1780	1800
Current (Amps)	435	350	255	68.2	21.8
Torque (ft-lb)	390	330	480	177	0.00



Information Block

HP	60.0	
Sync. RPM	1800	
Frame	364	
Enclosure	TEFC	
Construction	TFC	
Voltage	460	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	70	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	16.9	Lb-Ft²
Ref Wdg	HA32254021 NONE	
Sound Pressure @ 1M	70	dBA
VFD Rating	CONSTANT 2:1/VARIABLE 10:1	
Outline Dwg	SS557769-100	
Conn. Diag	EE7300U	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0670	0.0410	0.3640	0.5110	12.0540

Speed -Torque Curve

