marathon®

Fire Pump Motors

Model No: 364TTFS14064
Catalog No: Y1624

Fire Pump Motor, 60 & 50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 364T Frame, TEFC

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Product Information Packet: Model No: 364TTFS14064, Catalog No: Y1624 Fire Pump Motor, 60 & 50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 364T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**60 & 50 Hp**
Output KW	**45.0 & 37.0 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1775 & 1475 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**364T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**93.6 & 93 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**142/71 & 144/72 A**
Power Factor	**84**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6314**
Opp Drive End Bearing Size	**6312**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**

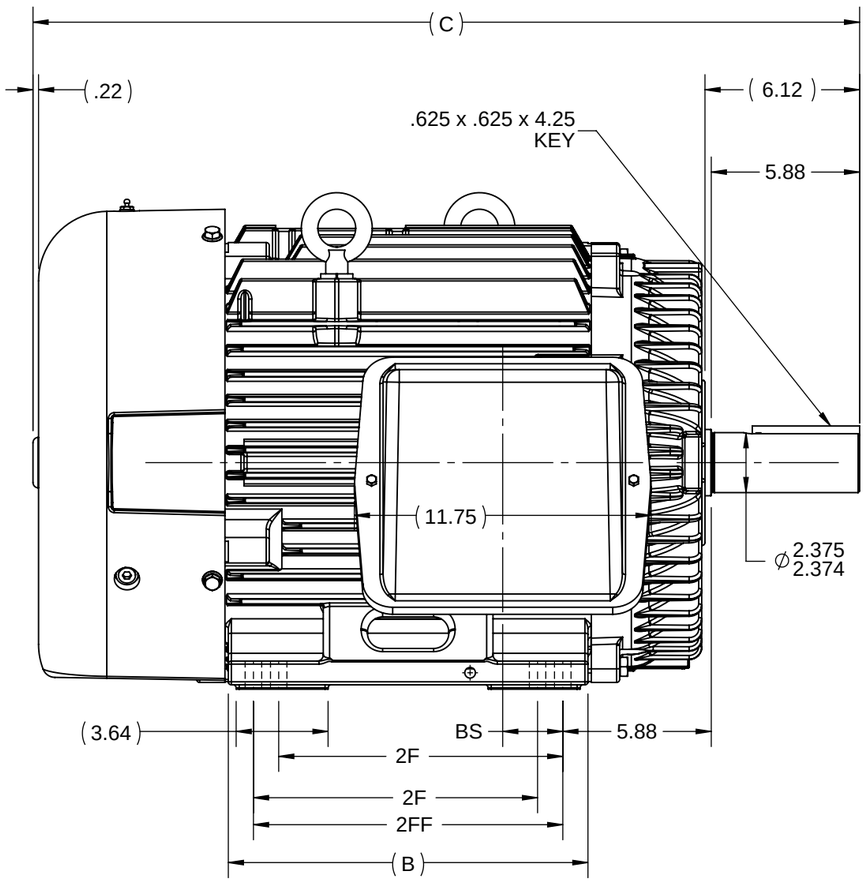
Technical Specifications

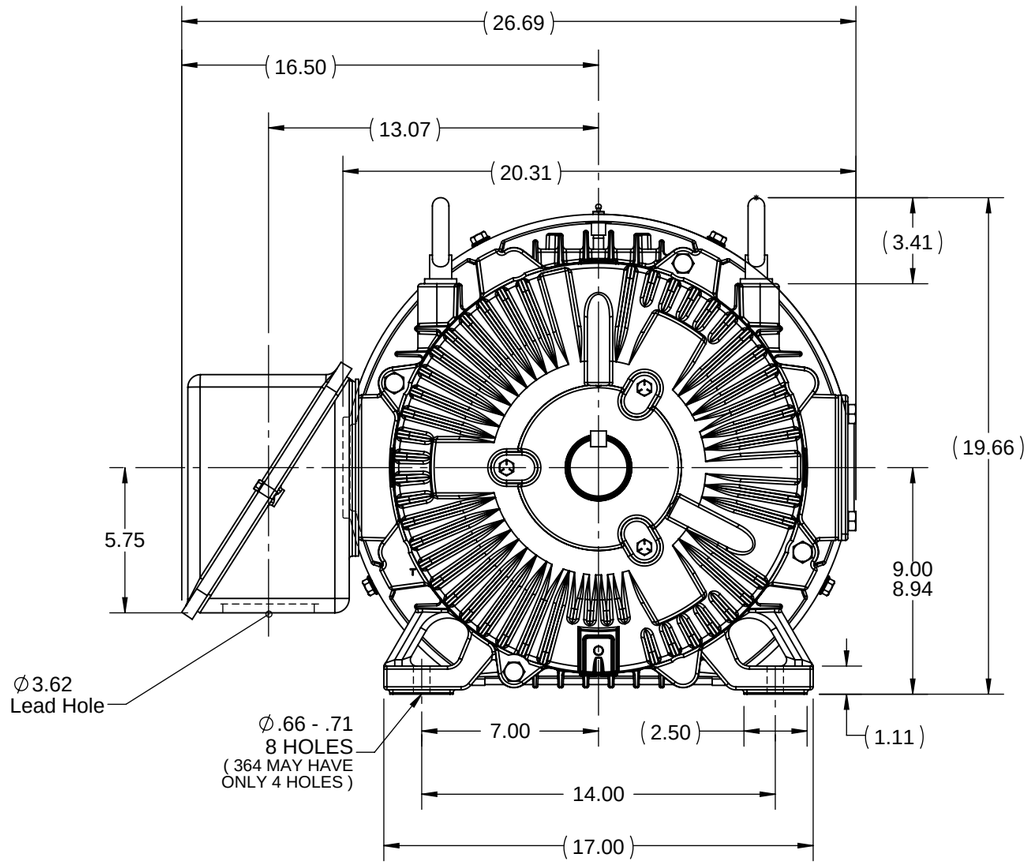
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.102 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**31.52 in**
Frame Length	**13.5 in**	Shaft Diameter	**2 3/8 in**
Shaft Extension	**5.88 in**	Assembly/Box Mounting	**F1/F2 Capable**

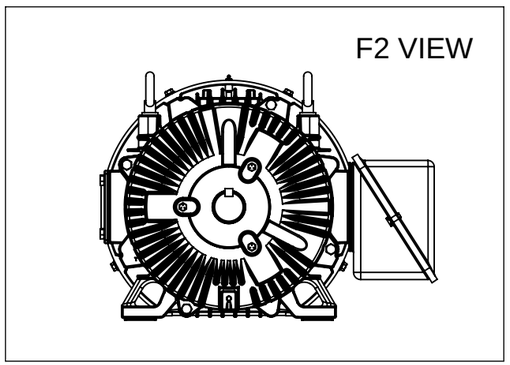
Drawings

Connection Drawing	**A-EE7308AA**	Outline Drawing	**B-SS504688-1350**

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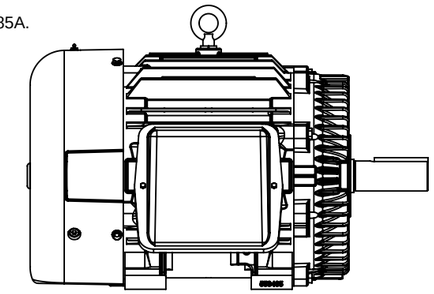


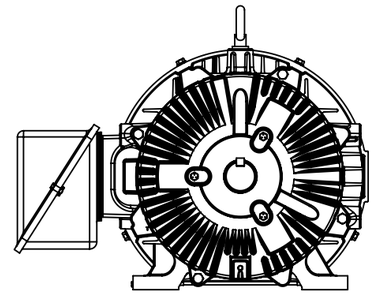




FRAME 364 - 1350

NOTE:
1. ALTERNATE FRAME DRAWING.
2. MODELS USING ALTERNATE FRAME 553485A.





NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS

DASH	FRAME	B	C	2F	2FF	BS
1350	364T	13.25	31.52	11.25	- - -	5.62
1450	364/365T	14.25	32.52	11.25	12.25	2.38

DRAWING REVISION: F	REVISION BY: SKB	REV DATE/© DATE: 05/20/2026
REQUEST NUMBER: CR-0026330	APPROVED BY: RMS	DATE: 05/20/2026
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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TOLERANCES (EXCEPT AS NOTED):

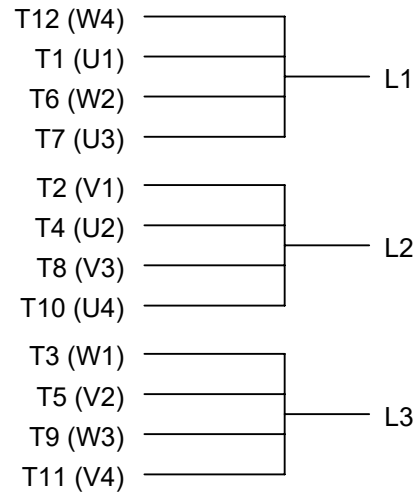
DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 200 / 5.1 / INCH / mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

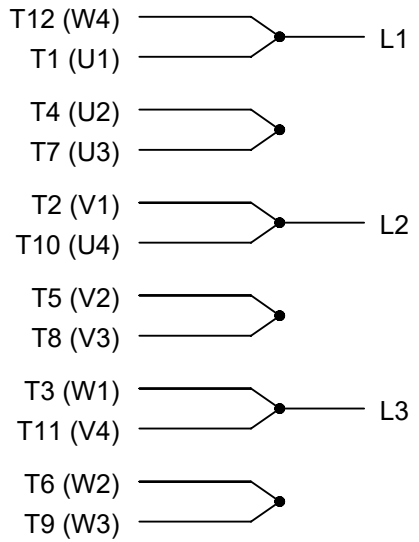
DRAWN BY	TLB
DATE	04-29-1998
APPROVED BY	ML
DATE	04-29-1988
REFERENCE	
MATERIAL	
PROCESS/FINISH	
THIRD ANGLE PROJECTION	
SIZE	B
DRAWING NUMBER	SS504688
SHEET	1 OF 1

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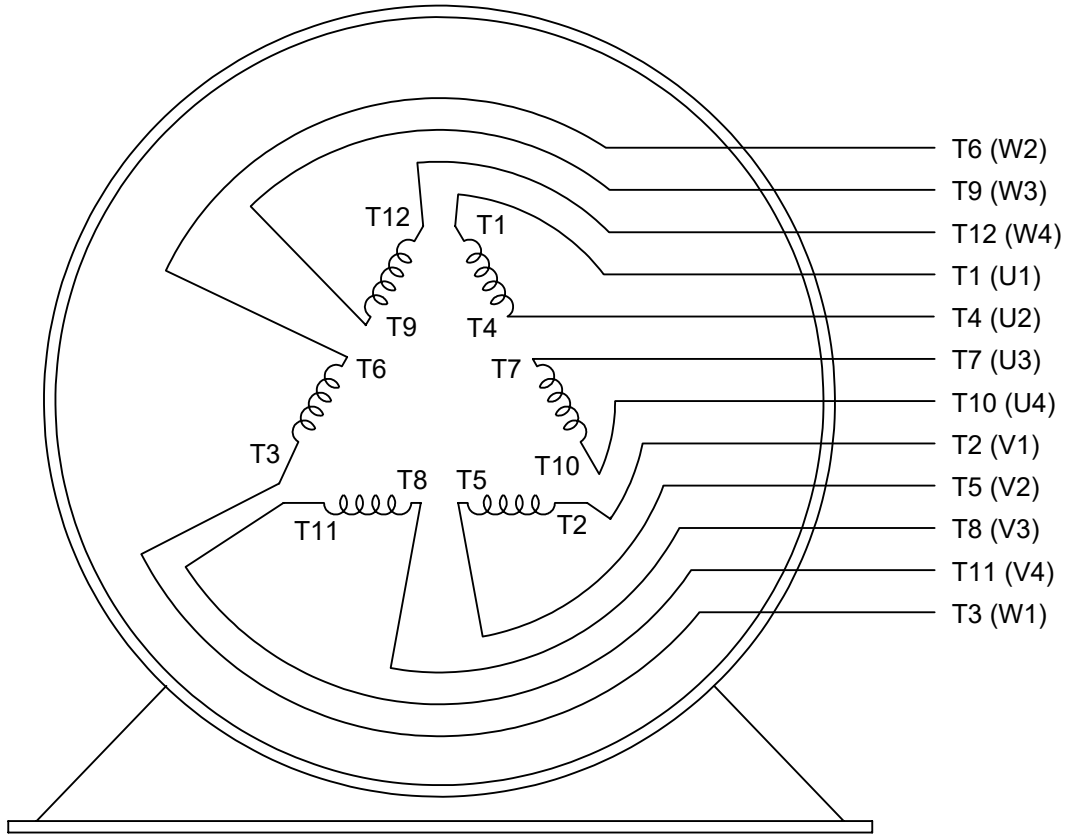
DESCRIPTION: OUTLINE
360T FR. - TEFC - (STD.)



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: 11/30/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

364TTFS14064

Submittal

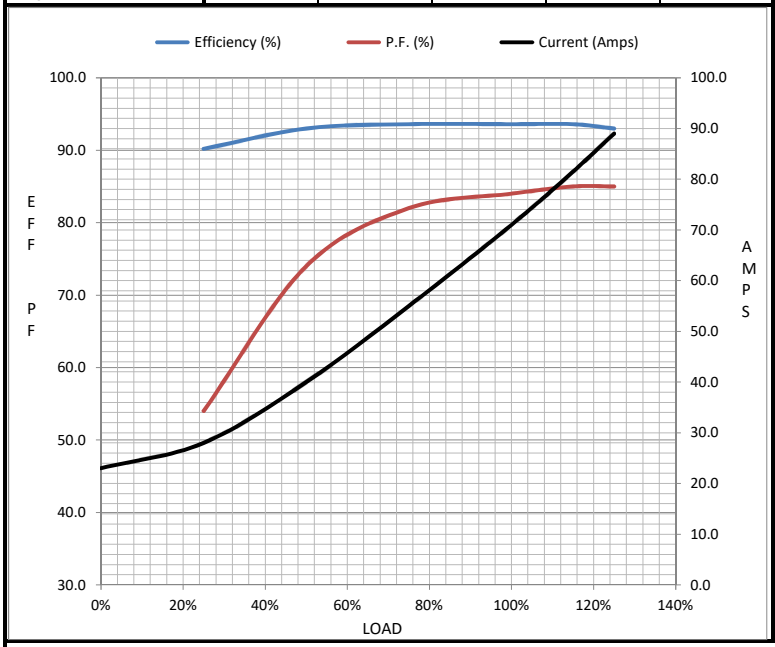
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	23.0	28.0	40.0	55.0	71.0	81.5	89.0	425	
Torque (ft-lb)	0.00	44.0	88.0	133	177	205	223	290	
RPM	1800	1795	1790	1782	1775	1,772	1768	0	
Efficiency (%)		90.2	93.0	93.6	93.6	93.6	93.0		
P.F. (%)	5.5	54.0	74.0	82.0	84.0	85.0	85.0	33.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1700	1775	1800
Current (Amps)	425	400	225	71.0	23.0
Torque (ft-lb)	290	275	410	177	0.00



Information Block

HP	60.0
Sync. RPM	1800
Frame	364
Enclosure	TEFC
Construction	TFS
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	75 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	14.5 Lb-Ft²
Ref Wdg	T3644164 NONE
Sound Pressure @ 1M	75 dBA
VFD Rating	NONE
Outline Dwg	B-SS504688-1350
Conn. Diag	A-EE7308AA
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0760	0.0520	0.4210	0.5200	11.0450

Speed -Torque Curve

