marathon®

Fire Pump Motors

Model No: 404TSTDCD4334
Catalog No: U528B

Fire Pump Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 404TS Frame, DP

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Product Information Packet: Model No: 404TSTDCD4334, Catalog No: U528B Fire Pump Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 404TS Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**100 & 75 Hp**
Output KW	**75.0 & 56.0 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1783 & 1485 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**404TS**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**94.1 & 93.6 %**	Ambient Temperature	**50 °C**
Frequency	**60 & 50 Hz**	Current	**226/113 & 212/106 A**
Power Factor	**87.7**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6316**
Opp Drive End Bearing Size	**6314**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**23**	Number of Speeds	**1**

Technical Specifications

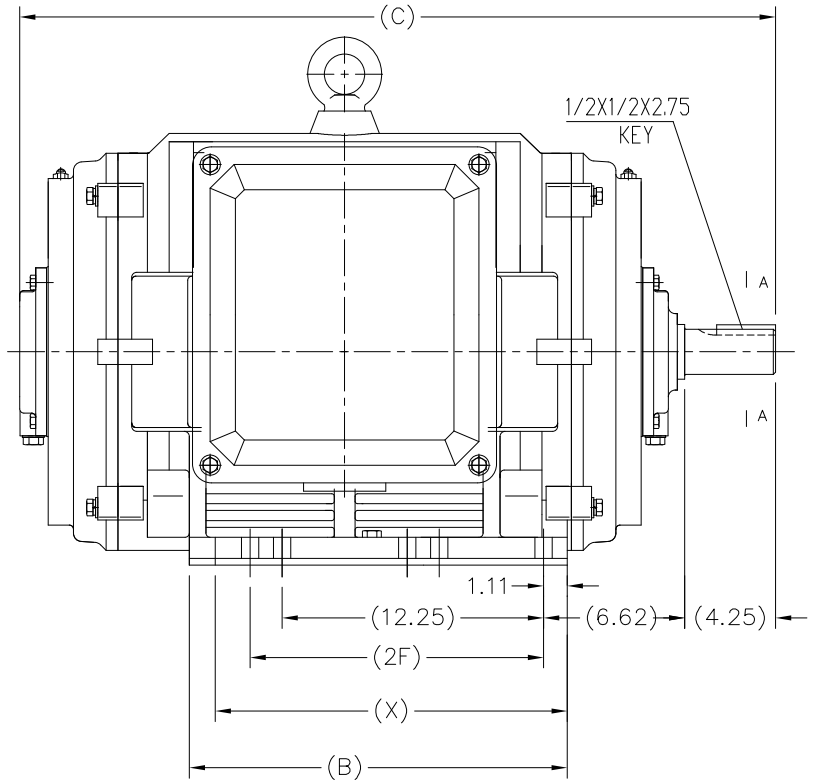
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.089 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Shaft Diameter	**2.125 in**
Assembly/Box Mounting	**F1/F2 Capable**		

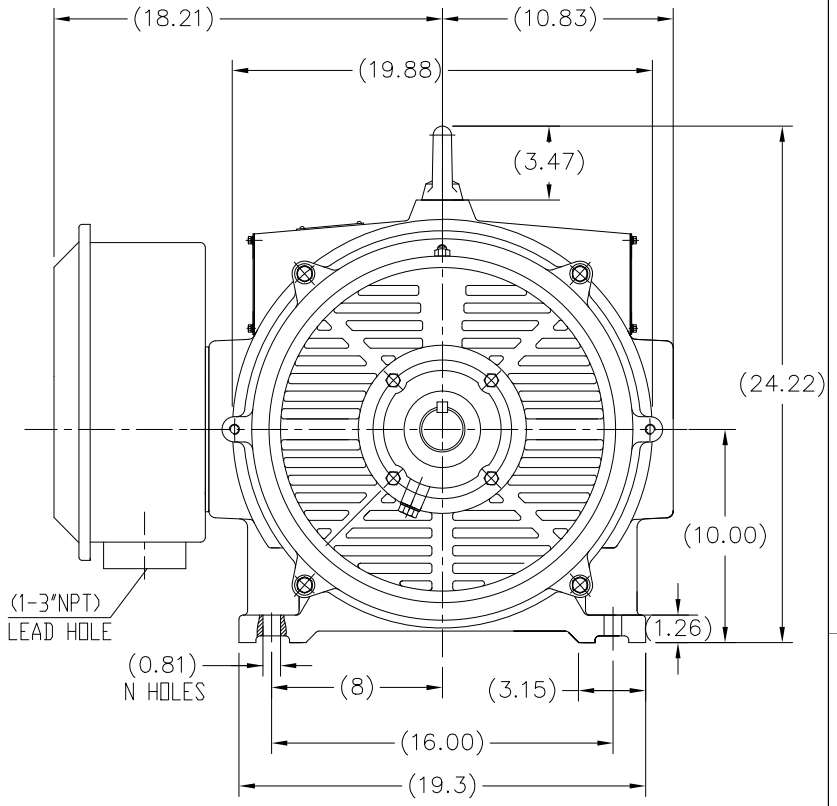
Drawings

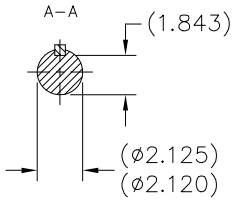
Connection Drawing	**EE7308AA**	Outline Drawing	**SS620909**

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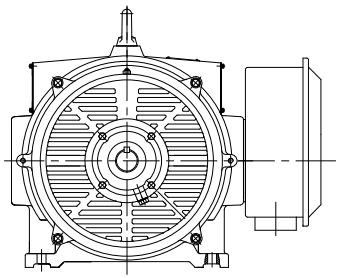
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F2 MOUNTING



404TS	33.86	16.22	N/A	15.00
405TS	35.44	17.72	13.75	16.50
Frame	C	B	2F	X

DRAWING REVISION: B	REVISION BY: SB	REV DATE/ © DATE: 08/21/2025
REQUEST NUMBER: CR-0023600	APPROVED BY: SBD	DATE: 08/21/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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TOLERANCES (EXCEPT AS NOTED):

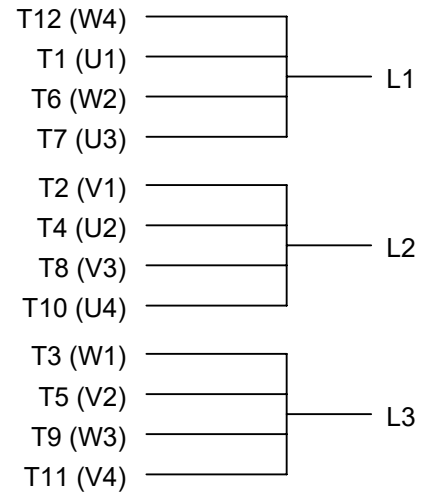
DEC.	INCH	mm	ANGLE
.X	± 0.1	± [3]	± 7' 30"
.XX	± 0.03	± [0.8]	
.XXX	± 0.005	± [0.13]	
.XXXX	± 0.0005	[± 0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 °
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 200 / INCH 51
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

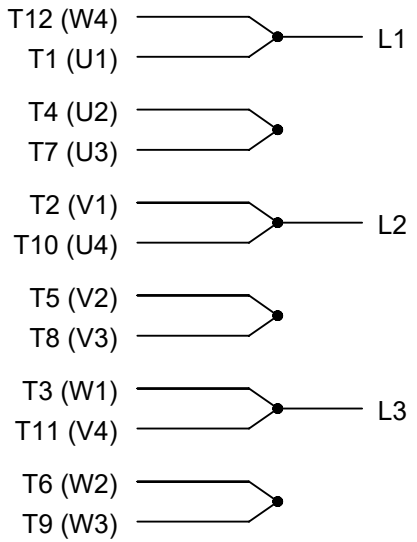
DRAWN BY	NK
DATE	04/15/2019
APPROVED BY	VY
DATE	04/15/2019
REFERENCE	SS620752
MATERIAL	
PROCESS/FINISH	
THIRD ANGLE PROJECTION	
SIZE	B
DRAWING NUMBER	SS620909
SHEET	1 OF 1

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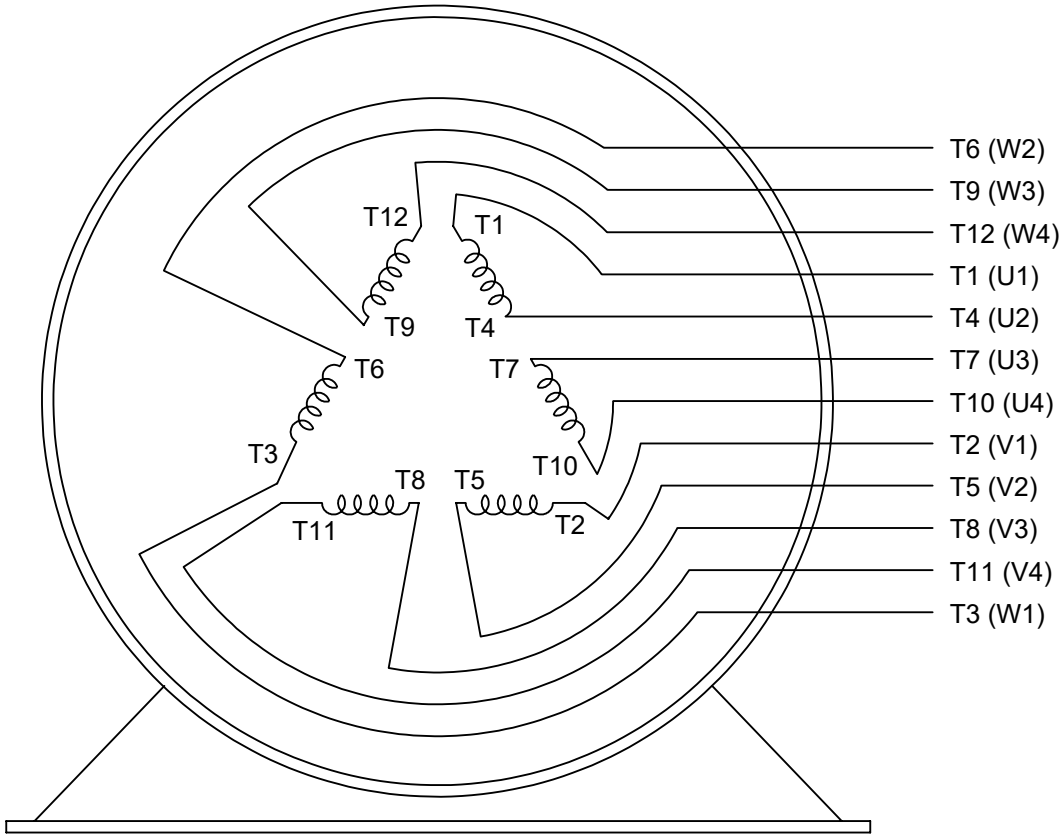
DESCRIPTION: OUTLINE
404/405 TS FR - ODP - CAST IRON



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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