marathon®

Fire Pump Motors

Model No: 404TSTDCD4335
Catalog No: U1528B

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

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Product Information Packet: Model No: 404TSTDCD4335, Catalog No: U1528B Fire Pump Motor, 100 HP, 3 Ph, 60 Hz, 190/380 V, 1800 RPM, 404TS Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**100 Hp**
Output KW	**75.0 kW**	Voltage	**190/380 V**
Speed	**1783 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**404TS**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**94.1 %**	Ambient Temperature	**50 °C**
Frequency	**60 Hz**	Current	**274.0/137.0 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	**22**	Number of Speeds	**1**

Technical Specifications

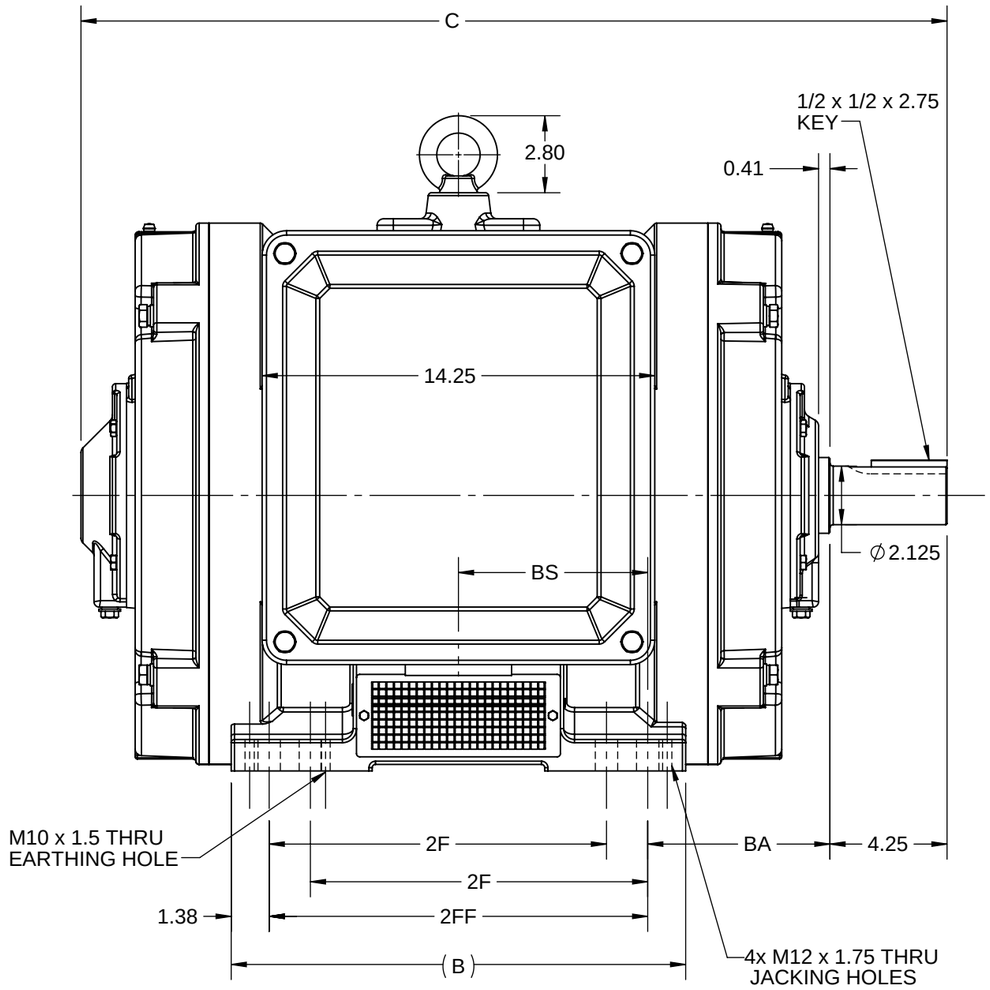
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Part Wdg Start & Wye Start Delta Run**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.089 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast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

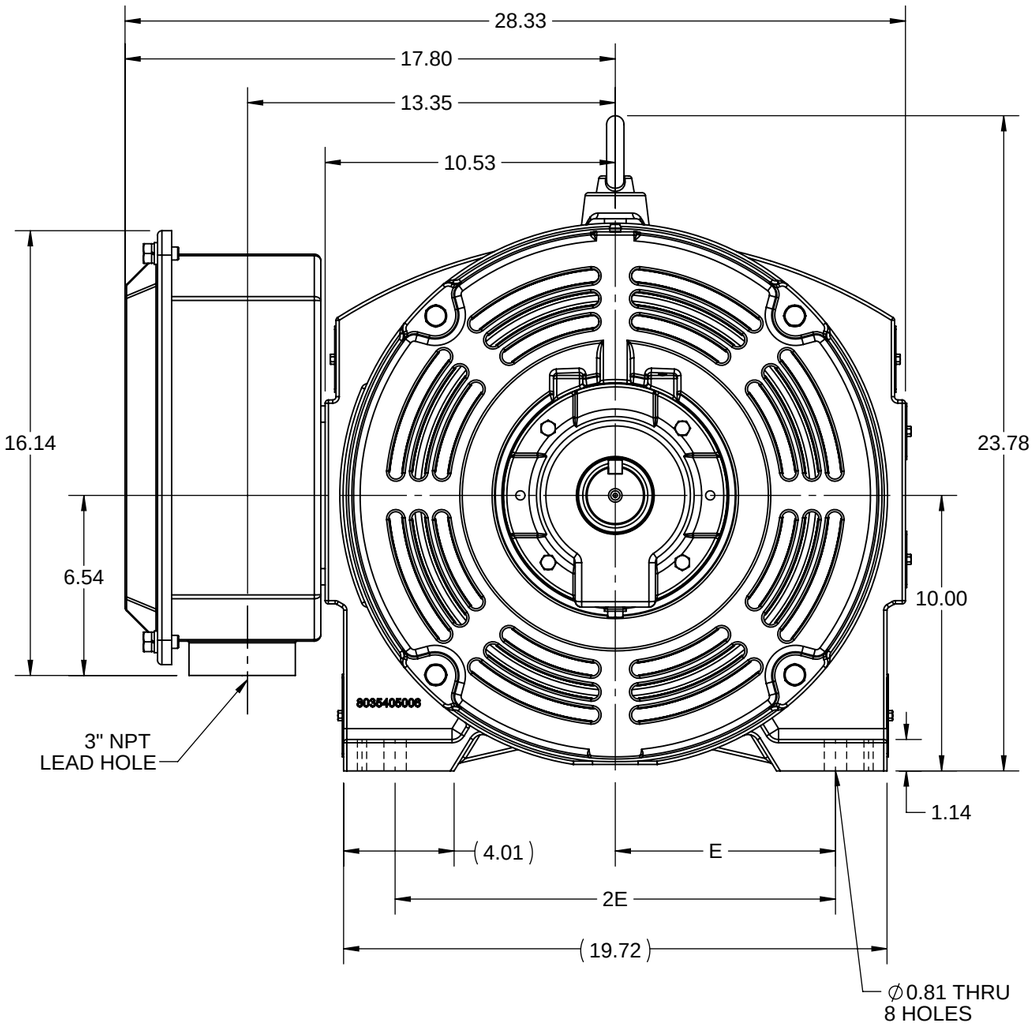
Drawings

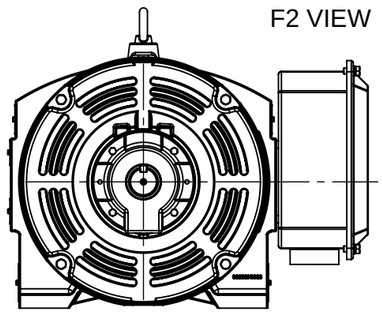
Connection Drawing	**EE7308AA**	Outline Drawing	**SS620989**

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B	C	E	2E	2F	2FF	BA	BS	MOUNTING
16.85	31.44	8.00	16.00	12.25	13.75	6.62	6.87	F1 OR F2







DRAWING REVISION	REVISION BY	REV DATE/© DATE
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REQUEST NUMBER	APPROVED BY	DATE
CR-0026424	RMS	05/29/2026

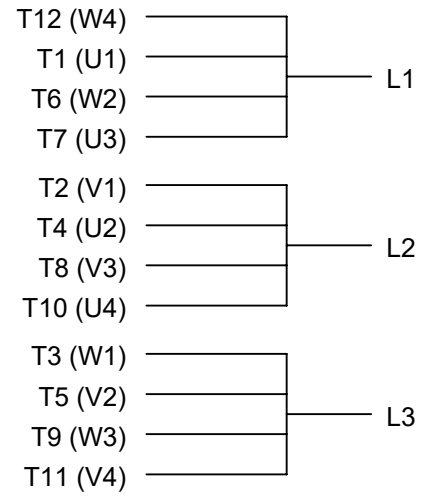
REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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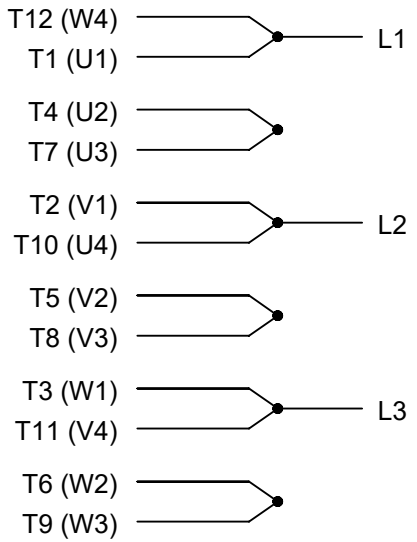
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY	DESCRIPTION
VS	OUTLINE
DATE	404/405TS FR NEMA ODP
11/01/2019	
APPROVED BY	
SBD	
DATE	
11/01/2019	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER SS620989 / SHEET 1 OF 1

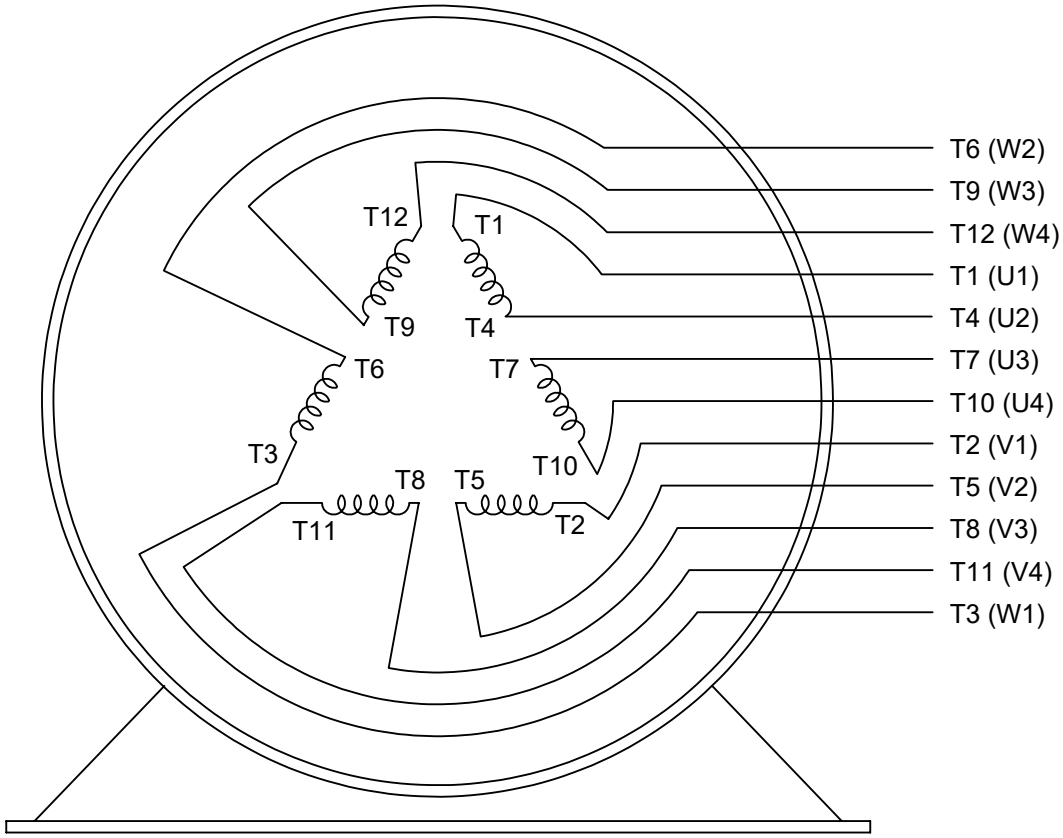
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LOW VOLTAGE



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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