marathon®

Fire Pump Motors

Model No: 444TSTDCD4332
Catalog No: U535A

Fire Pump Motor, 150 & 125 HP, 3 Ph, 60 & 50 Hz, 460 & 380-400 V, 1800 RPM, 444TS Frame, DP

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Product Information Packet: Model No: 444TSTDCD4332, Catalog No: U535A Fire Pump Motor, 150 & 125 HP, 3 Ph, 60 & 50 Hz, 460 & 380-400 V, 1800 RPM, 444TS Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**150 & 125 Hp**
Output KW	**112.0 & 93.0 kW**	Voltage	**460 & 380-400 V**
Speed	**1788 & 1485 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**444TS**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**95 & 94.5 %**	Ambient Temperature	**50 °C**
Frequency	**60 & 50 Hz**	Current	**170 & 172-164 A**
Power Factor	**87**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**C**
KVA Code	**F**	Drive End Bearing Size	**6319**
Opp Drive End Bearing Size	**6317**	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 & Wye Start Delta Run**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.042 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Overall Length	**40.83 in**
Frame Length	**25.98 in**	Shaft Diameter	**2 3/8 in**
Shaft Extension	**4.75 in**	Assembly/Box Mounting	**F1/F2 Capable**

Drawings

Connection Drawing	**EE7300BH**	Outline Drawing	**SS620756-444TS**

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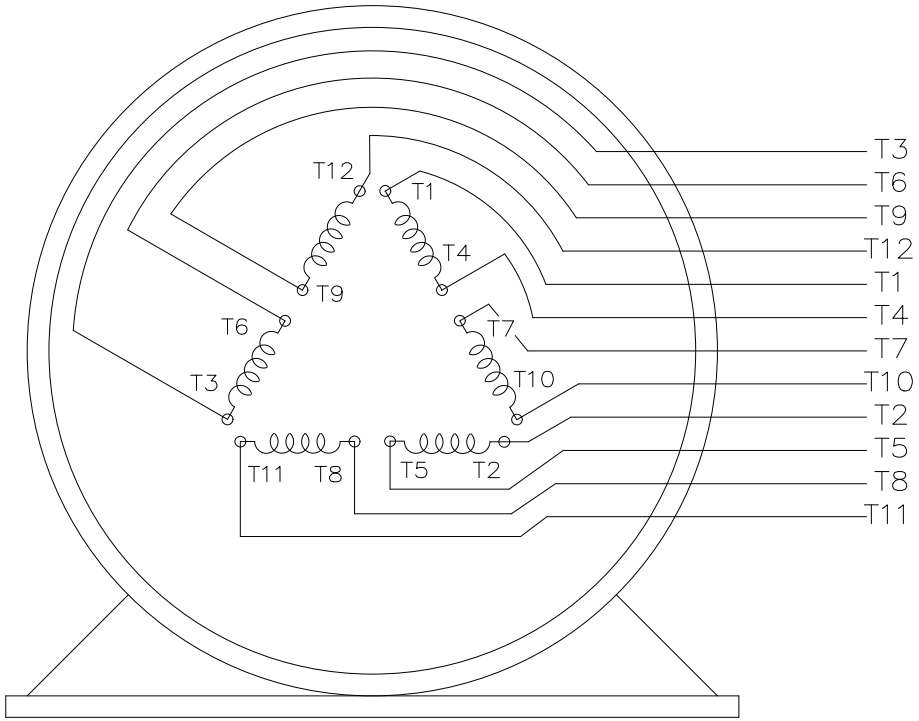

VIEW OF TERMINAL END

T12(W4)
T1(U1)
T6(W2)
T7(U3)
LINE 1

T2(V1)
T4(U2)
T8(V3)
T10(U4)
LINE 2

T3(W1)
T5(V2)
T9(W3)
T11(V4)
LINE 3

DRAWING REVISION: E	REVISION BY: SB	REV DATE/ © DATE: 08/04/2025
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/04/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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DRAWN BY: RJW	marathon™	
DATE: 02/11/2005		
APPROVED BY: GK	DESCRIPTION: CONNECTION DIAGRAM 12 LEAD - SINGLE VOLTAGE	
DATE: 02/11/2005		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: A / DRAWING NUMBER: EE7300BH	SHEET: 1 OF 1

Data Sheet

Date: 12/13/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

444TSTDCD4332

Submittal

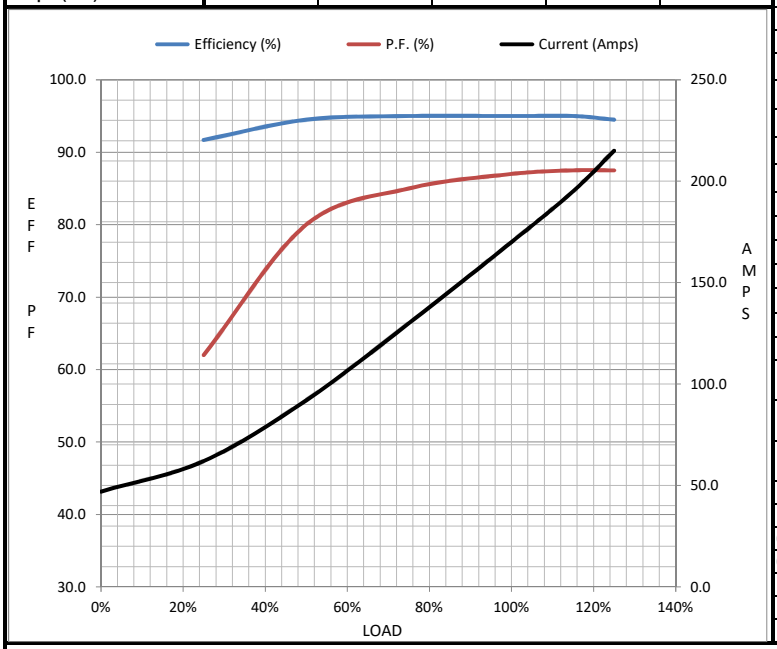
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	47.0	62.0	92.0	130	170	195	215	995	
Torque (ft-lb)	0.00	110	220	330	441	508	552	850	
RPM	1800	1796	1794	1790	1788	1,786	1784	0	
Efficiency (%)		91.7	94.5	95.0	95.0	95.0	94.5		
P.F. (%)	5.5	62.0	80.0	85.0	87.0	87.5	87.5	40.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1725	1788	1800
Current (Amps)	995	950	535	170	47.0
Torque (ft-lb)	850	750	925	441	0.00



Information Block

HP	150.0	
Sync. RPM	1800	
Frame	444	
Enclosure	DP	
Construction	TDC	
Voltage	460#380	V
Frequency	60	Hz
Design	B	
LR Code letter	F	
Service Factor	1.15	
Temp Rise @ FL	50	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	95.0	Lb-Ft²
Ref Wdg	IE3L2804110 NONE	
Sound Pressure @ 1M	85	dBA
VFD Rating	NONE	
Outline Dwg	SS620756	
Conn. Diag	EE7300BH	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0260	0.0110	0.1270	0.2530	5.6610

Speed -Torque Curve

