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Fire Pump Motors

Model No: 326TSTFPA14013
Catalog No: Y1619

Fire Pump Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 326TS Frame, TEFC

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Product Information Packet: Model No: 326TSTFPA14013, Catalog No: Y1619 Fire Pump Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 326TS Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**50 & 40 Hp**
Output KW	**37.0 & 30.0 kW**	Voltage	**230/460 & 190/380 V**
Speed	**3545 & 2945 r/min**	Synchronous RPM	**3600 & 3000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**326TS**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**92.4 & 92.4 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**112/56 & 108/54 A**
Power Factor	**89**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6312**
Opp Drive End Bearing Size	**6311**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**

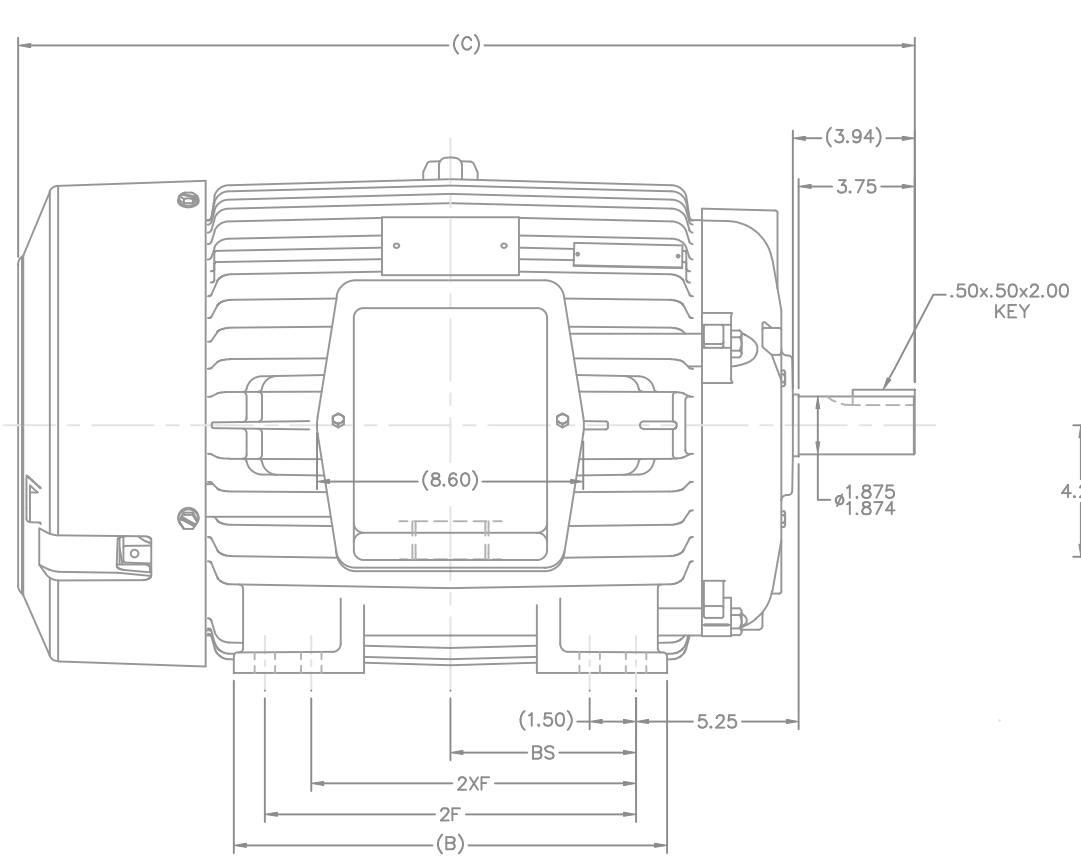
Technical Specifications

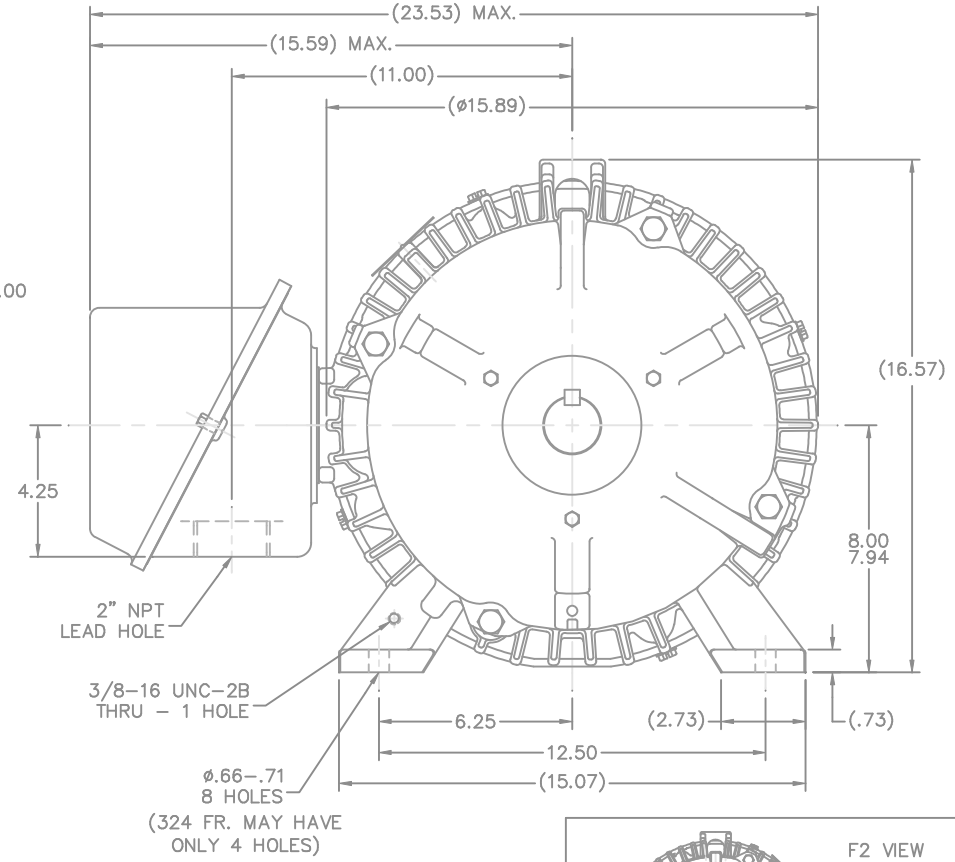
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.158 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Overall Length	**28.97 in**
Frame Length	**16.25 in**	Shaft Diameter	**1 7/8 in**
Shaft Extension	**3.94 in**	Assembly/Box Mounting	**F1/F2 Capable**

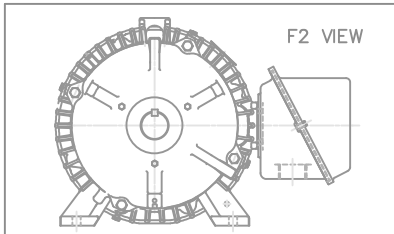
Drawings

Connection Drawing	**EE7358**	Outline Drawing	**B-SS311342-1625**

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NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	C	B	2F	2XF	BS
1475	324TS	27.47	14.00	10.50		5.25
1625	326TS	28.97	14.00	12.00	10.50	6.00

NO.	REVISION	BY & DATE	CHK
2	(3.94) SHAFT DIM WAS (4.00) – REDUCED 'C' DIMENSION		
	IN TABLE BY .06 08–3920	MSG 08–27–2008	ML
1	NEW DRAWING MU41789	CAV 05–21–2002	DD

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

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TITLE OUTLINE – TFPA
320 FR. – BB – STD – 12.50 LAM.

MAT'L.

FINISH

CAD FILE SS311342

RFP 05–21–2002

DIST LB

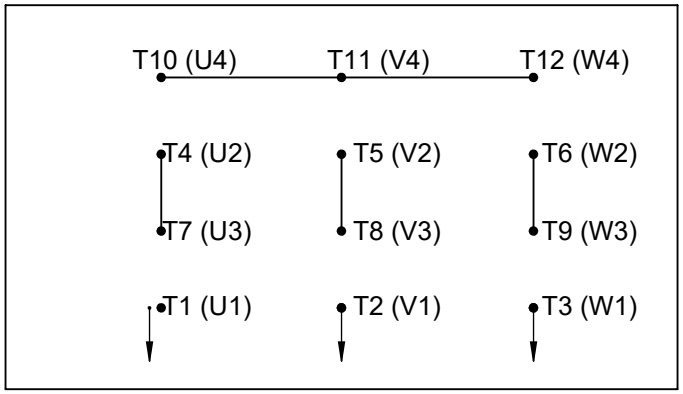
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CHK	ML 05–21–2002
APPD	DD 05–21–2002
SCALE	1=4
REF	
FMF	
PREV	

SIZE B | DRAWING NO. SS311342 | PAGE OF | REV. 2

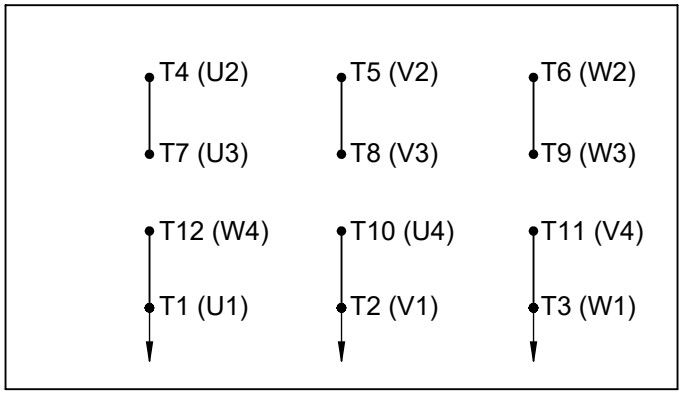
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HIGH VOLTAGE

WYE START

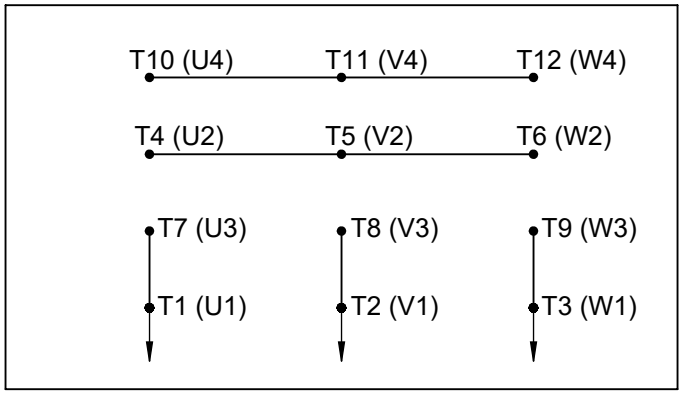


DELTA RUN

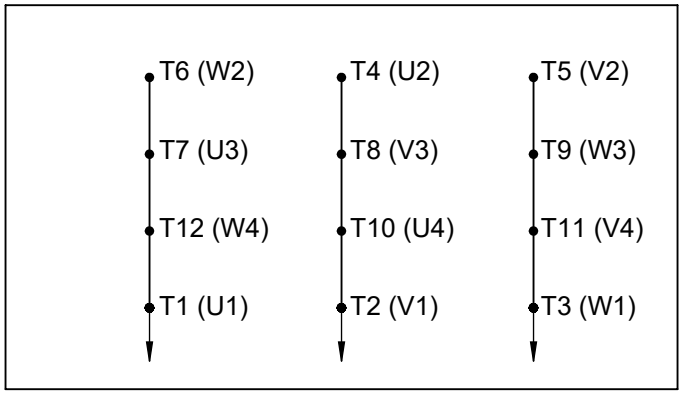


LOW VOLTAGE

WYE START



DELTA RUN



4/2 CKTY △

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

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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DATE	03-09-1998
APPROVED BY	GK
DATE	03-23-1998
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
CONN DIAGRAM-EXTERNAL
12 LEAD - DUAL VOLT. - WYE START - DELTA RUN

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7358	1 OF 1

Uncontrolled Copy

Data Sheet

Date: 12/10/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

326TSTFPA14013

Submittal

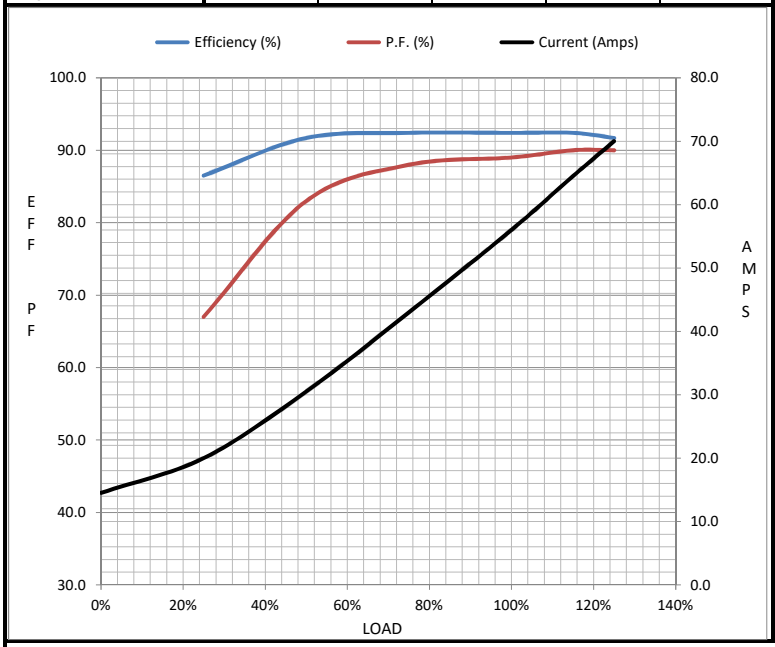
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	14.5	20.0	30.5	43.0	56.0	64.5	70.0	354	
Torque (ft-lb)	0.00	18.5	37.0	55.5	74.0	85.5	93.0	115	
RPM	3600	3585	3575	3560	3545	3,535	3530	0	
Efficiency (%)		86.5	91.7	92.4	92.4	92.4	91.7		
P.F. (%)	10.0	67.0	83.0	88.0	89.0	90.0	90.0	35.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3325	3545	3600
Current (Amps)	354	330	225	56.0	14.5
Torque (ft-lb)	115	90.0	200	74.0	0.00



Information Block

HP	50.0
Sync. RPM	3600
Frame	326
Enclosure	TEFC
Construction	TFS
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	A
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	3.1 Lb-Ft²
Ref Wdg	K2862146 NONE
Sound Pressure @ 1M	78 dBA
VFD Rating	NONE
Outline Dwg	B-SS311342-1625
Conn. Diag	A-EE7358
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.1110	0.0710	0.4760	0.3800	18.5690

Speed -Torque Curve

