

PRODUCT INFORMATION PACKET

Model No: 326TTDP4344
Catalog No: U515
50 HP Fire Pump Motor, 3 phase, 1800 RPM, 200/400 V, 326T Frame, ODP
Fire Pump Motors



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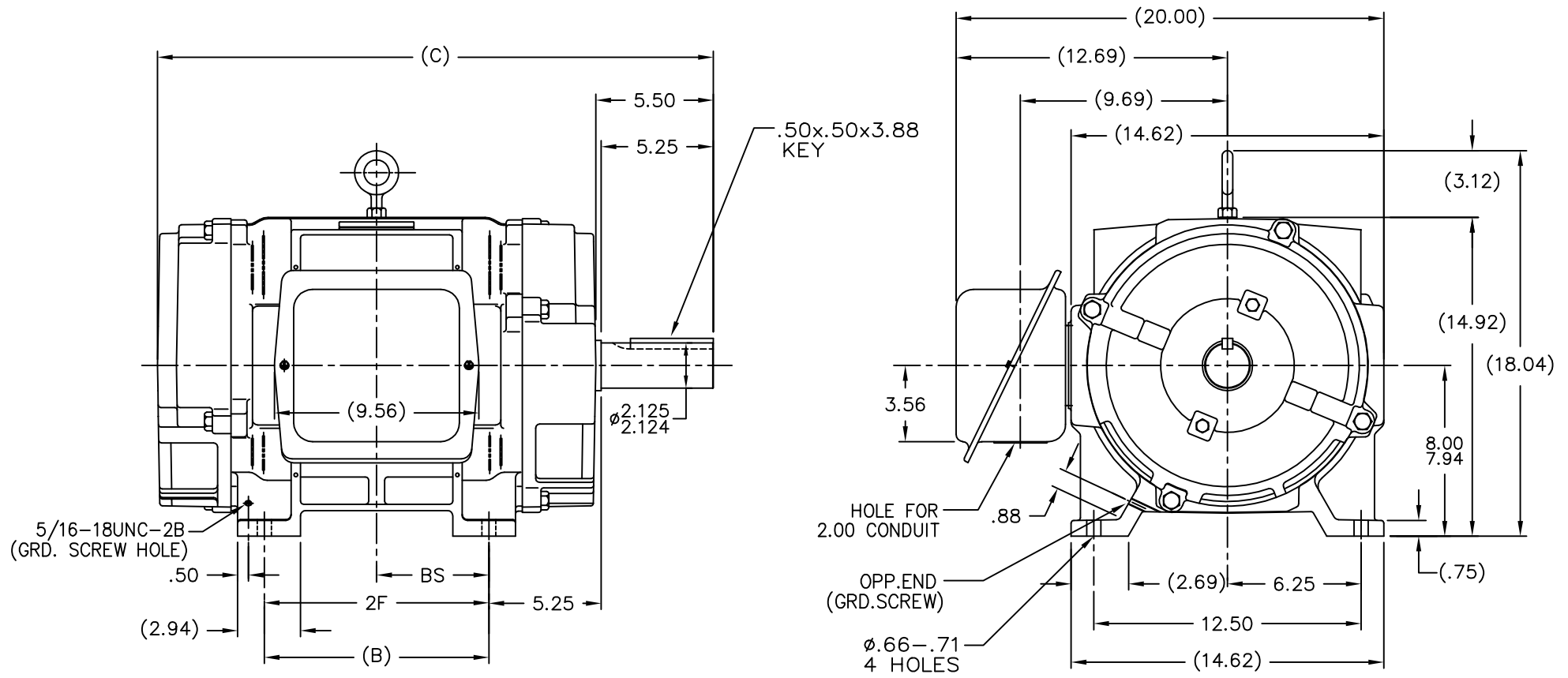
Nameplate Specifications

Output HP	50 Hp	Output KW	37.0 kW
Frequency	60 Hz	Voltage	200/400 V
Current	142.0/70.5 A	Speed	1770 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	81.5
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	G
Frame	326T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	50 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.125 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	27.50 in
Frame Length	15.12 in	Shaft Diameter	2.125 in
Shaft Extension	5.5 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7358	Outline Drawing	B-SS200078-1512

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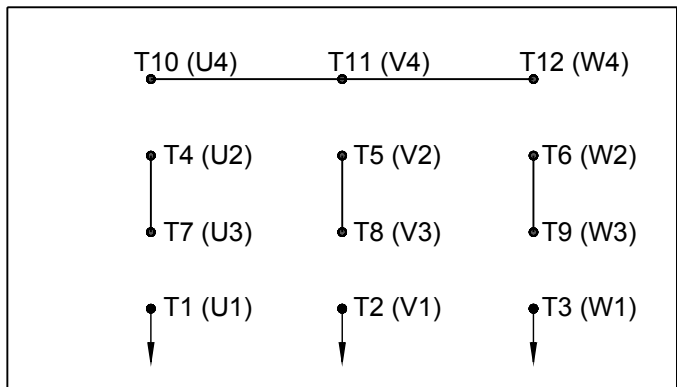
- NOTES:
1. BOX CAN BE ROTATED IN 90° STEPS
 2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°
 3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

DASH	FRAME	C	2F	B	BS
1362	324T	26.00	10.50	13.00	5.25
1512	326T	27.50	12.00	14.50	6.00

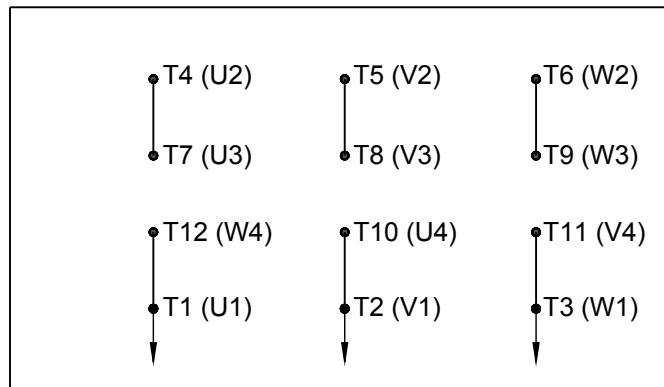
		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN JL 02/17/1988	
		DEC.	INCHES			CHK JPN 03/08/1998	
7	REDAWN IN AUTOCAD	RWR 05/27/2004	ML .X	±.1			APPD LS 03/21/1988
6	REVISED TO N.E.C. CONDUIT BOX CN28428	NJS 02/16/2000	ML .XX	±.03	TITLE OUTLINE -DR.PR. -CAST IRON		SCALE 1=4.5
5	ADDED 5/16 GND. SCREW HOLE CN21725-1005	DRS 11/05/1996	ML .XXX	±.005	320T FR. -BB -TS -D.E.V.		REF
4	UPDATED SHAFT HEIGHT CN16763	DRS 08/13/1996	JPN .XXX	±.0005	MATL.		FMF
NO.	REVISION	BY & DATE	CHK	ANG	FINISH		PREV
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP	ANG	CAD FILE ss200078		SIZE B
			DIST LB	ANG	DRAWING NO. SS200078		PAGE 1 OF 1
				ANG	REV. 7		

HIGH VOLTAGE

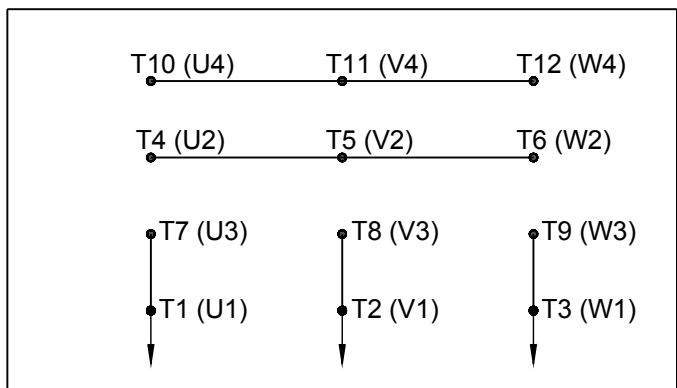
WYE START



DELTA RUN

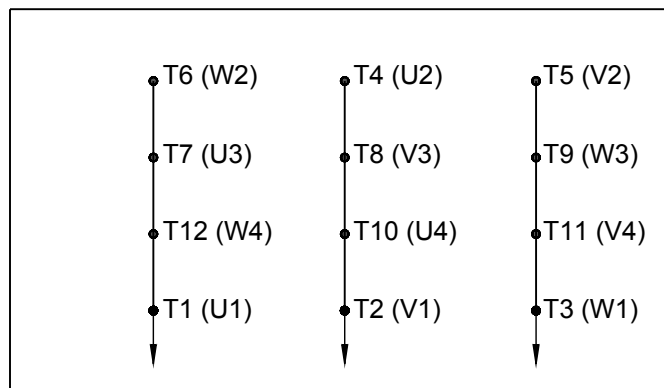


WYE START



LOW VOLTAGE

DELTA RUN

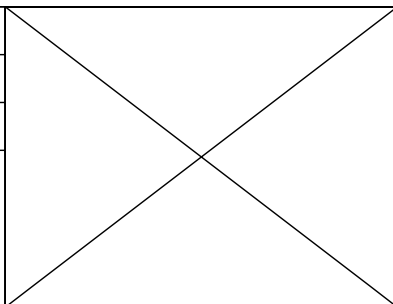


4/2 CKTY \triangle

DRAWING REVISION D	REVISION BY JWO	DATE 01-26-2016
ECO ECO-0092547	APPROVED BY TB	DATE 01-26-2016

ECO DESCRIPTION
ADDED IEC MARKINGS

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DRAWN BY BLR	Regal Beloit America, Inc.		
DATE 03-09-1998			
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 12 LEAD - DUAL VOLT. - WYE START - DELTA RUN		
DATE 03-23-1998			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7358	SHEET 1 OF 1

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CERTIFICATION DATA SHEET

Model#: 326TTDP4344 BD WINDING#: K2864249 NONE 16
 CONN. DIAGRAM: A-EE7358 ASSEMBLY: F1/F2 CAPABLE
 OUTLINE: B-SS200078-1512

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN		
50	37	1800	1770	326T	DP	G	B		
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	200/400	142/70.5	WYE START DELTA RUN	CONTINUOUS	B3	1.15	50	3300
FULL LOAD EFF: 93	3/4 LOAD EFF: 93.6	1/2 LOAD EFF: 93.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS				
FULL LOAD PF: 81.5	3/4 LOAD PF: 77	1/2 LOAD PF: 67	92.4	SQ CAGE IND RUN	56.4 / 28.2				
F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C					
148 LB-FT	805 / 402.5	265 LB-FT 179	375 LB-FT 253	45					
SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT			
75 dBA	85 dBA	5.4 LB-FT^2	250 LB-FT^2	20 SEC.	2	525 LBS.			

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAIN
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	PROVISIONS ONLY	NONE	RED (ENAMEL)
BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL	
DE	OPE	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	
BALL	BALL							
6312	6311							
THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS		
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs					
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS		

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
- FT-LB NONE V NONE Hz

DATE: 06/21/2017 06:49:02 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 6/19/2017

326TTDP4344

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



Submittal

Data @ 400 V

Motor Load Data

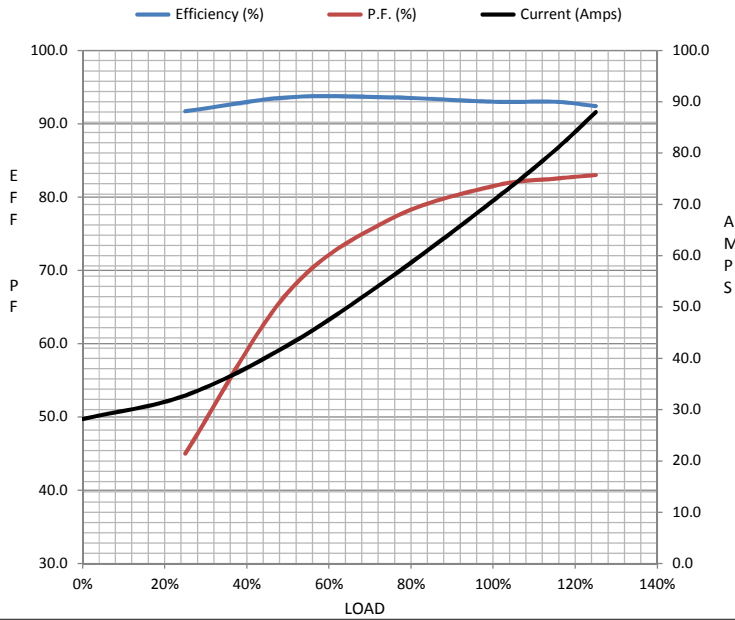
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	28.2	32.8	42.6	55.8	70.7	80.5	88.0	403
Torque (ft-lb)	0.00	36.5	73.5	112	148	171	186	265
RPM	1800	1792	1785	1778	1770	1,765	1760	0
Efficiency (%)		91.7	93.6	93.6	93.0	93.0	92.4	
P.F. (%)	3.5	45.0	67.0	77.0	81.5	82.5	83.0	38.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1630	1770	1800
Current (Amps)	403	345	259	70.7	28.2
Torque (ft-lb)	265	240	375	148	0.00

Information Block

HP	50.0
Sync. RPM	1800
Frame	326
Enclosure	DP
Construction	TDP
Voltage	200/400 V
Frequency	60 Hz
Design	B
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	45 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk ²	5.4 Lb-Ft ²
Ref Wdg	K2864249 NONE
Sound Pressure @ 1M	75 dBA
VFD Rating	NONE
Outline Dwg	B-SS200078-1512
Conn. Diag	A-EE7358



Additional Specifications:

0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0600	0.0560	0.3220	0.4840	8.2320

Speed -Torque Curve

