

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 326TTDP4345
Catalog No: U514
50,1800,DP,326T,3/60/230/460YD
Fire Pump



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REGAL[®]



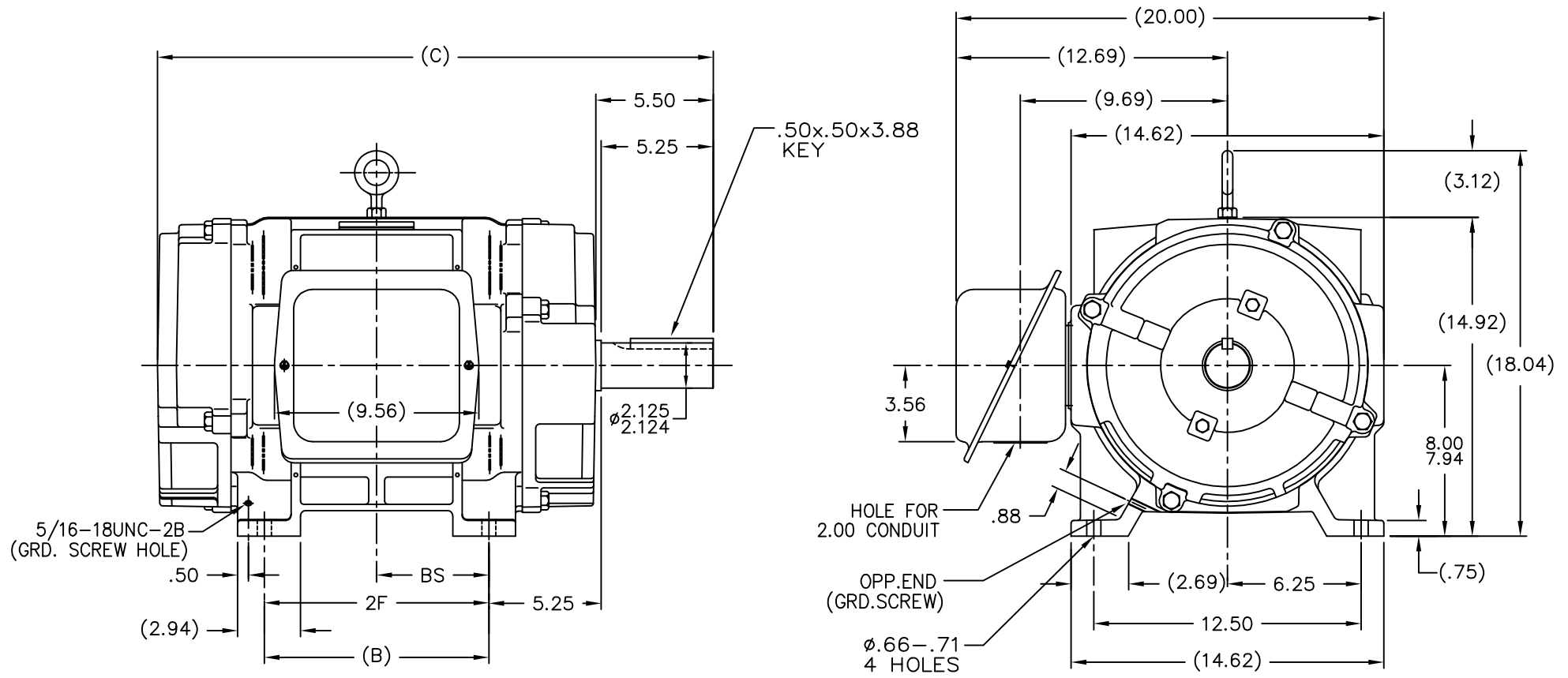
Nameplate Specifications

Output HP	50 Hp	Output KW	37.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	123.0/61.5 A	Speed	1770 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Duty	Continuous
Insulation Class	B	Design Code	B
KVA Code	G	Frame	326T
Enclosure	Drip Proof	Overload Protector	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		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	27.5 in	Frame Length	15.12 in
Shaft Diameter	2.125 in	Shaft Extension	5.5 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	B-SS200078-1512	Connection Diagram	A-EE7358

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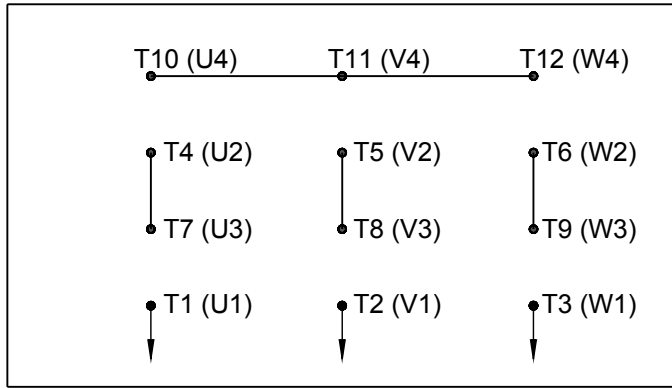
- NOTES:
1. BOX CAN BE ROTATED IN 90° STEPS
 2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°
 3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

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

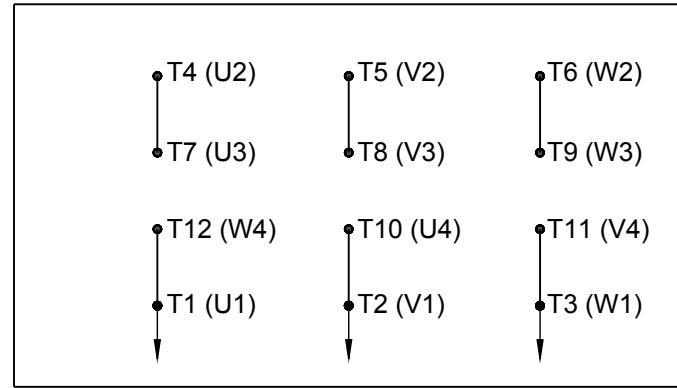
		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN JL 02/17/1988	
		DEC.	INCHES			CHK JPN 03/08/1998	
7	REDAWN IN AUTOCAD	RWR 05/27/2004	ML .X	±.1			APPD LS 03/21/1988
6	REVISED TO N.E.C. CONDUIT BOX CN28428	NJS 02/16/2000	ML .XX	±.03	TITLE OUTLINE -DR.PR. -CAST IRON		SCALE 1=4.5
5	ADDED 5/16 GND. 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 .XXXX	±.0005	MATL.		FMF
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	
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			DIST LB				

HIGH VOLTAGE

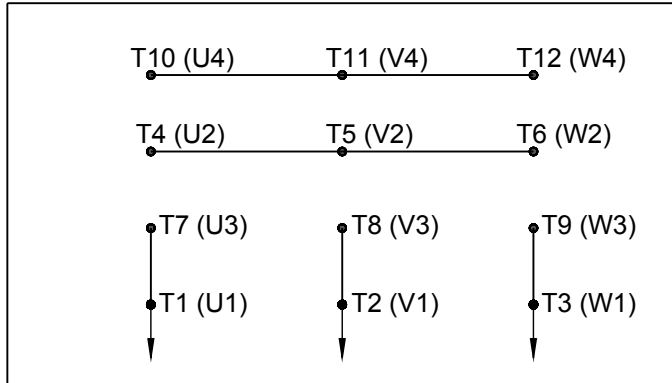
WYE START



DELTA RUN

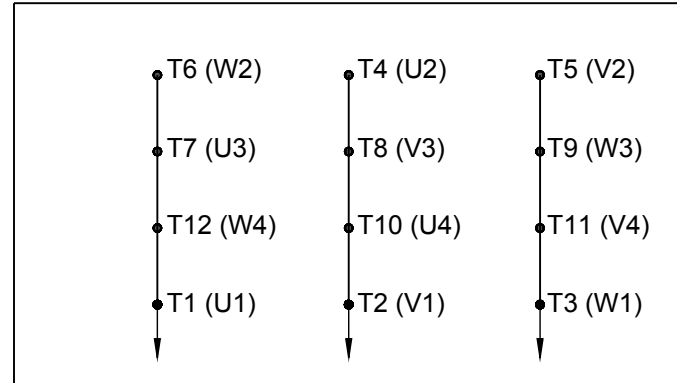


WYE START



LOW VOLTAGE

DELTA RUN



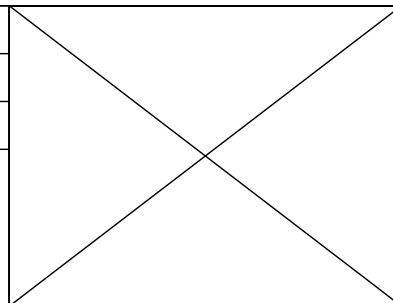
4/2 CKTY \triangle

DRAWING REVISION D	REVISION BY JWO	DATE 01-26-2016
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ECO ECO-0092547	APPROVED BY TB	DATE 01-26-2016
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ECO DESCRIPTION
ADDED IEC MARKINGS

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DRAWN BY BLR

DATE 03-09-1998

APPROVED BY GK

DATE 03-23-1998

REFERENCE

THIRD ANGLE PROJECTION

Regal Beloit America, Inc.

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

MATERIAL	PROCESS/FINISH
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SIZE A	DRAWING NUMBER EE7358	SHEET 1 OF 1
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Data Sheet

Date: 19-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



326TTDP4345

Submittal

Data @ 460 V

Motor Load Data

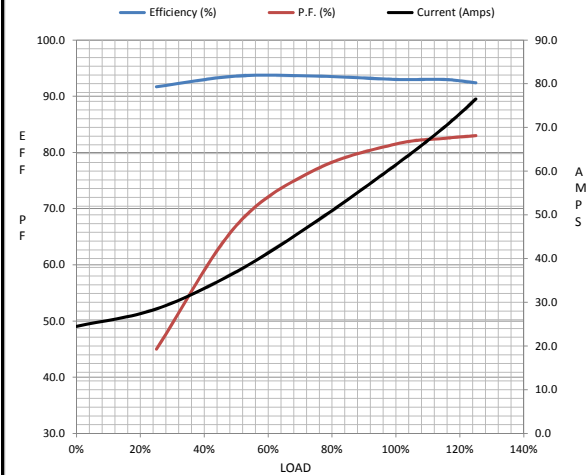
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	24.5	28.5	37.0	48.5	61.5	70.0	76.5	350
Torque (ft-lb)	0.00	36.5	73.5	112	148	171	186	265
RPM	1800	1792	1785	1778	1770	1,765	1760	0
Efficiency (%)		91.7	93.6	93.6	93.0	93.0	92.4	
P.F. (%)	3.5	45.0	67.0	77.0	81.5	82.5	83.0	38.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1630	1770	1800
Current (Amps)	350	300	225	61.5	24.5
Torque (ft-lb)	265	240	375	148	0.00

Information Block

HP	50.0			
Sync. RPM	1800			
Frame	326			
Enclosure	DP			
Construction	TDP			
Voltage	30/460#190/38V			
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				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0790	0.0740	0.4250	0.6410	10.8860



Speed -Torque Curve

