

PRODUCT INFORMATION PACKET

Model No: 256TTDX4024

Catalog No: U500

Fire Pump Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 256T Frame, DP



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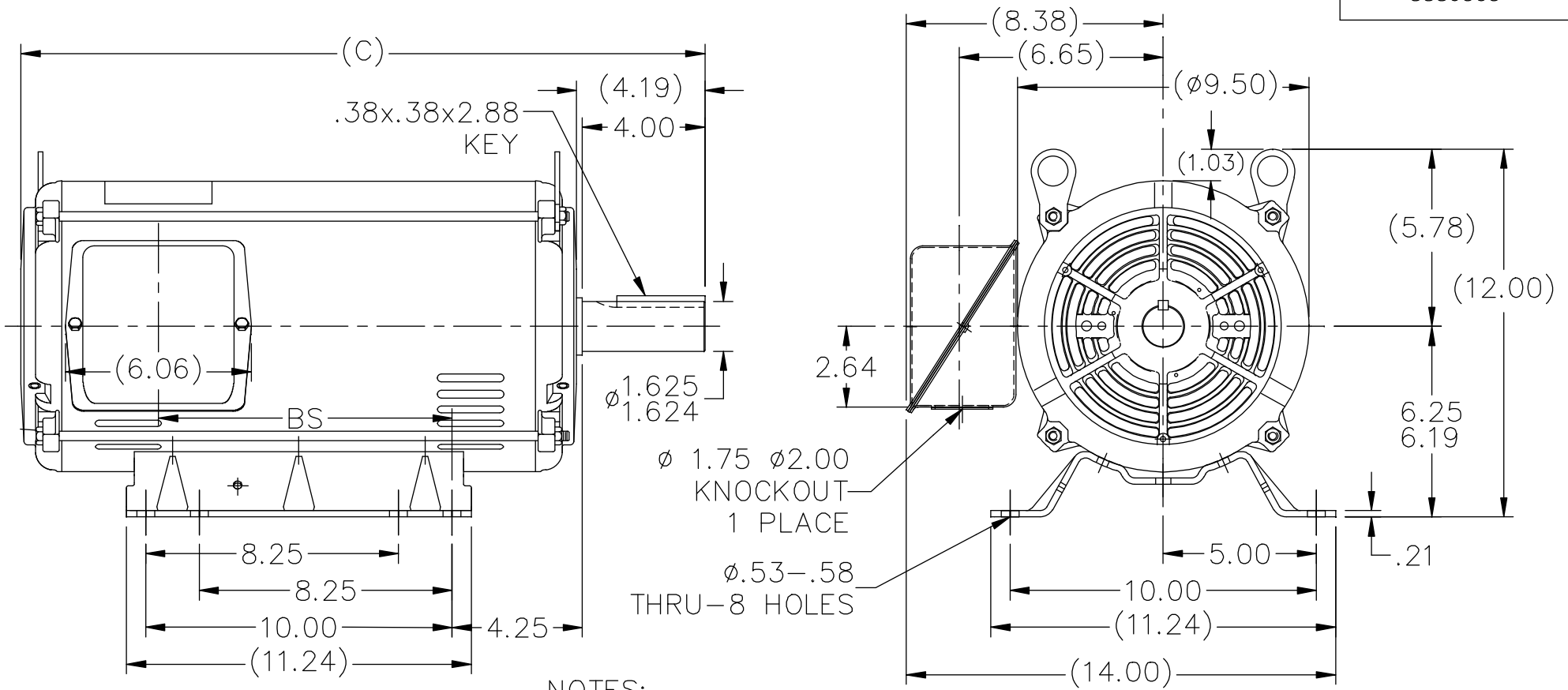
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Nameplate Specifications

Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190/380 V
Speed	3520 & 2925 rpm	Service Factor	1.15 & 1.15
Frame	256T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	91 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	58/29 & 55/27.5 A	Power Factor	88.3
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	No	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

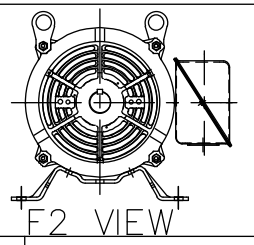
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.365 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	22.32 in
Frame Length	15.45 in	Shaft Diameter	1.625 in
Shaft Extension	4.19 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	A-SS86503-1545	Connection Drawing	A-EE7358



NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)
4. F2 MOUNT -USES 2ND HOLE ON 1370 FRAME.

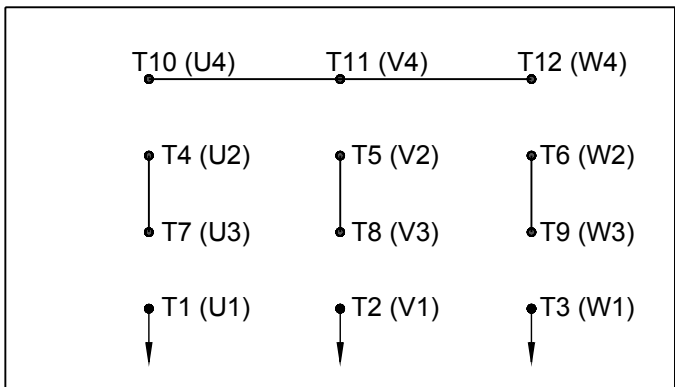


DASH	FR.	C	BS	MOUNTING
1370	254T	20.57	7.68	F1 OR F2
1545	254T/256T	22.32	9.43	F1 OR F2

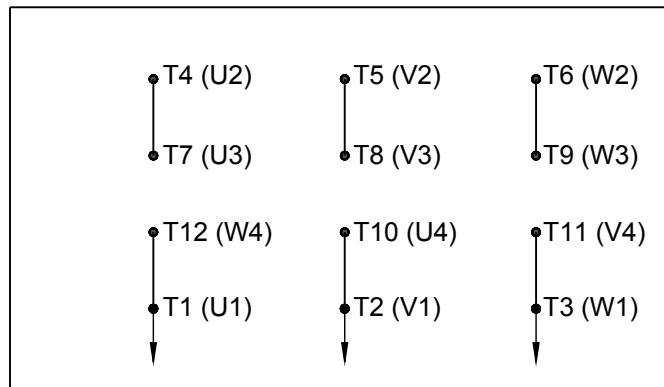
NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	FINISH	SIZE	DRAWING NO.	PAGE	OF	REV.
8	ADDED F2 VIEW	UD 11/13/13	GR		DEC. INCHES		A	SS86503			8
7	UPDATED DRAWING	TJW 04/27/2007									
6	REDRAWN IN AUTOCAD	TAT 05-19-2005	ML	.X	±.1						
5	UPDATED CONDUIT BOX CN 28427	TJB 01-31-2000		.XX	±.03						
4	ADDED NOTE #4 FOR F2 MOUNT CN 24000-581	MH 06-10-1997		.XXX	±.005						
3	DASH 1545 WAS FOR 256T FR. ONLY CN 18683	KL 09-12-1994		.XXXX	±.0005						
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						DIST LB					
						CAD FILE	ss86503				
						TITLE OUTLINE					
						MAT'L.					
						FINISH					
						SCALE	1=5				
						REF					
						F2 VIEW					
						DRAWN SMC	04-22-1993				
						CHK	MOL 04-23-1993				
						APPD	DRN 09-13-1993				

HIGH VOLTAGE

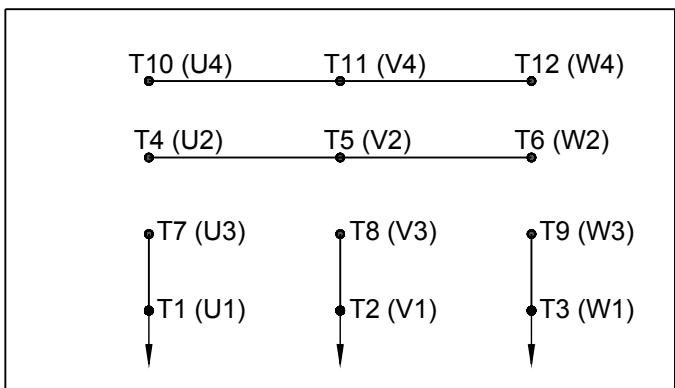
WYE START



DELTA RUN

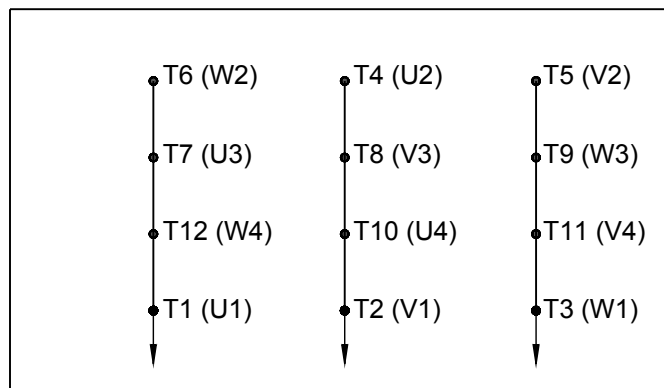


WYE START



LOW VOLTAGE

DELTA RUN

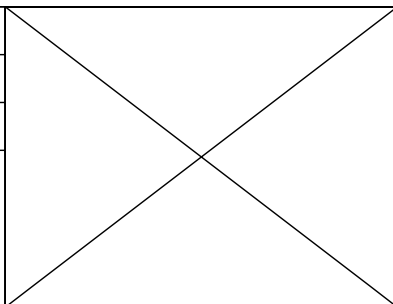


4/2 CKTY \triangle

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	
DATE 03-09-1998	
APPROVED BY GK	
DATE 03-23-1998	
REFERENCE	

Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL 12 LEAD - DUAL VOLT. - WYE START - DELTA RUN	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7358
SHEET 1 OF 1	

Data Sheet

Date: 29-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



256TTDX4024

Submittal

Data @ 460 V

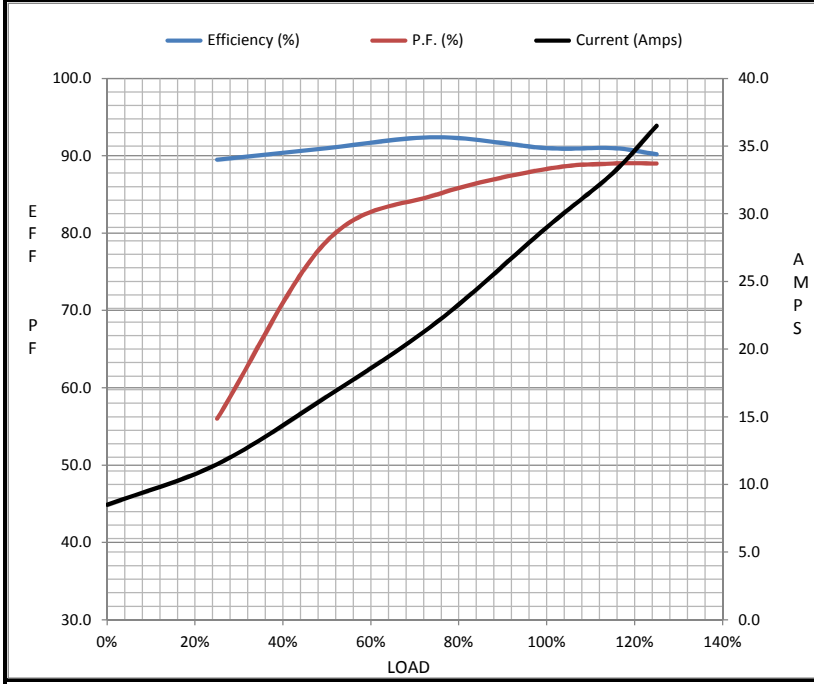
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	8.5	11.5	16.5	22.0	29.0	33.0	36.5	182
Torque (ft-lb)	0.00	9.2	18.5	28.0	37.5	43.0	47.0	72.0
RPM	3600	3580	3565	3545	3520	3,510	3500	0
Efficiency (%)		89.5	91.0	92.4	91.0	91.0	90.2	
P.F. (%)	6.0	56.0	79.0	85.0	88.3	89.0	89.0	41.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1500	3100	3520	3600
Current (Amps)	182	165	125	29.0	8.5
Torque (ft-lb)	72.0	65.0	110	37.5	0.00

Information Block				
HP	25.0			
Sync. RPM	3600			
Frame	256			
Enclosure	DP			
Construction	TDX			
Voltage	230/460#190/38(V)			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	55 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.75 Lb-Ft ²			
Ref Wdg	K2152192 NONE			
Sound Pressure @ 1M	78 dBA			
VFD Rating	NONE			
Outline Dwg	A-SS86503-1545			
Conn. Diag	A-EE7358			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0560	0.0480	0.2060	0.2350	7.1570



Speed - Torque Curve

