

# PRODUCT INFORMATION PACKET

Model No: 326TTFS16102

Catalog No: L417B

XRI® General Purpose General Purpose Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,  
900 & 750 RPM, 326T Frame, TEFC



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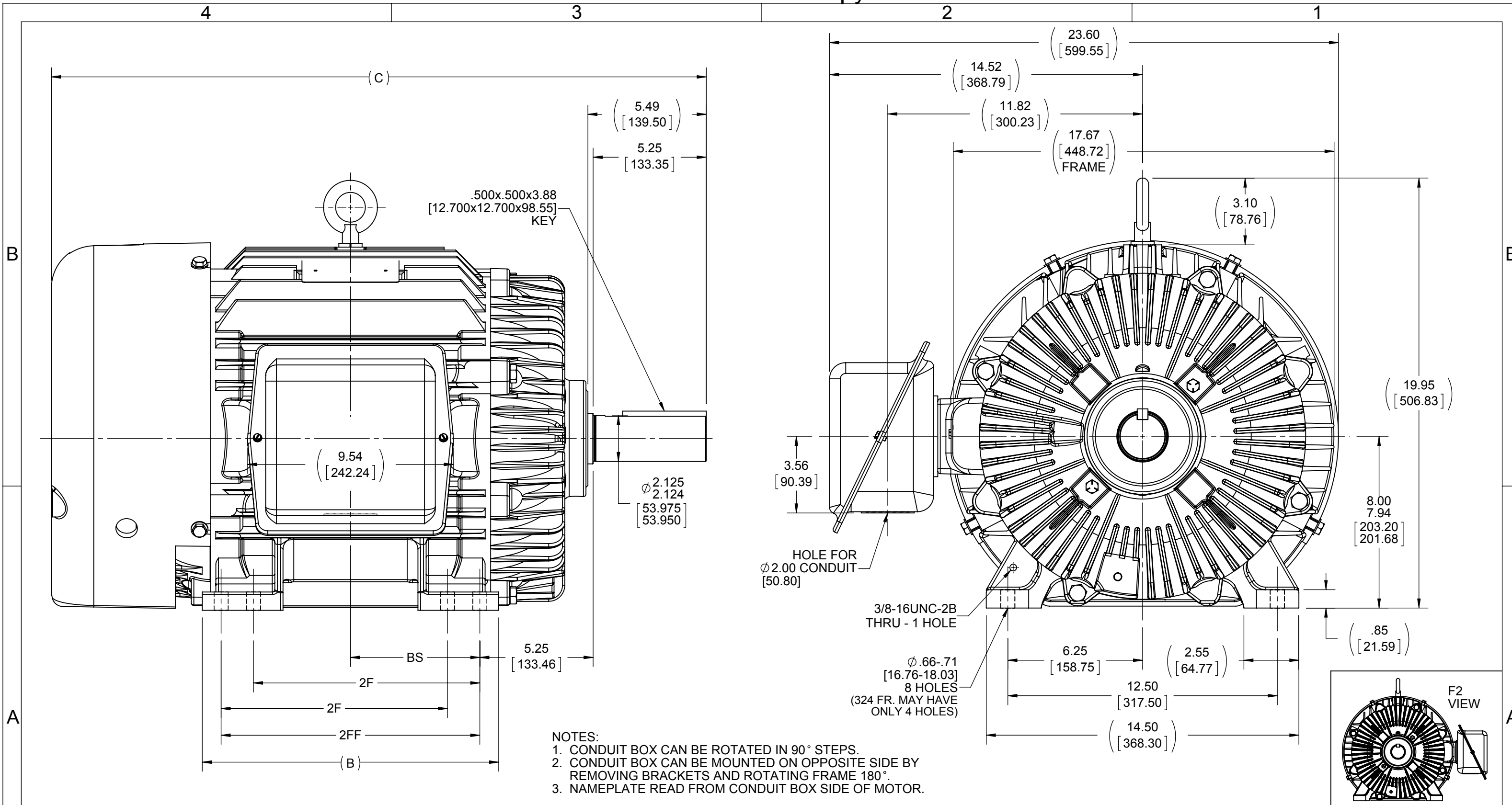
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### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>25 &amp; 20 Hp</b>
Output KW	<b>18.7 &amp; 14.9 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>882 &amp; 735 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>326T</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>90.2 &amp; 89.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>73/36.5 &amp; 73/36.5 A</b>	Power Factor	<b>70</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Drive End Bearing Size	<b>6312</b>	Opp Drive End Bearing Size	<b>6311</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>8</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.28 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Cast Iron</b>
Shaft Type	<b>T</b>	Overall Length	<b>30.37 in</b>
Frame Length	<b>13.00 in</b>	Shaft Diameter	<b>2.125 in</b>
Shaft Extension	<b>5.25 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Connection Drawing	<b>A-EE7308</b>	Outline Drawing	<b>B-SS28289-1300</b>



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

DRAWING REVISION	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED:				DRAWN BY	REGAL™ Regal Beloit America, Inc.		
W	MSG	10-28-2014	DEC.	INCH	mm	ANGLE	MLD	DESCRIPTION 320T FR. - TEFC - CAST IRON - STEEL C'BOX		
ECO-0063392	TB	10-28-2014	.X	±0.1	[±2.5]	±7° 30"	DATE 01-24-1996			
ECO DESCRIPTION			.XX	±0.03	[±0.76]		APPROVED BY ML	MATERIAL PROCESS/FINISH		
UPDATED TO NEW TITLE BLOCK			.XXX	±0.005	[±0.127]		DATE 01-25-1996			
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1150	324T	28.88 [733.48]	13.75 [349.25]	---	10.50 [266.70]	5.25 [133.35]	THIRD ANGLE PROJECTION			B
1300	324/326T	30.38 [771.58]	13.75 [349.25]	10.50 [266.70]	12.00 [304.80]	6.00 [152.40]				
1450	326T	31.88 [809.68]	15.00 [381.00]	12.00 [304.80]	---	6.75 [171.45]				
DASH	FRAME	C	B	2F	2FF	BS				

EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION

L1 — WHITE  
L2 — RED  
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02			SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			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	CAD FILE ee7308	SIZE A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					





P.O. BOX 8003  
WAUSAU, WI 54401-8003  
PH. 715-675-3311

DATA VOLTS: 460

**CERTIFICATION DATA SHEET**

CUSTOMER: \_\_\_\_\_ CUSTOMER P.O. #: \_\_\_\_\_  
 ORDER #: \_\_\_\_\_ REFERENCE MODEL #: 326TTFS16102  
 CONN. DIAGRAM: A-EE7308 CAT #: L417B  
 OUTLINE: B-SS28289-1300 CUSTOMER PART #: \_\_\_\_\_  
 WINDING: 326836 NONE 3 MOUNTING: F1/F2 CAPABLE  
 SPEED: \_\_\_\_\_

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
25	18.7	900	882	326T	TEFC	TFN	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	73/36.5&73/36.5	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	90.2	3/4 LD EFF	90.2	1/2 LD EFF	88.5	GTD EFF	89.5	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	70.0	3/4 LD PF	63.0	1/2 LD PF	51.0				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
149 LB-FT	182	245 LB-FT 164%	340 LB-FT 228%	60

@ 3 FT.	POWER	ROTOR WK <sup>2</sup>	MAX. LOAD WK <sup>2</sup>	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
62 dBA	71 dBA	10.2 LB-FT <sup>2</sup>	0 LB-FT <sup>2</sup>	20 SEC.	0	800 LB.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
BALL	BALL						
6312	6311						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.192	0.158	1.017	0.836	11.583	0.150	ODE

* N O T E S *	INVERTER TORQUE: NONE					
	INV. HP SPEED RANGE: NONE					
	ENCODER: NONE					
	NONE					
	NONE					

PREPARED BY: FAREEDA DUDEKULA	BRAKE: NONE
DATE: 9/11/2018	NONE NONE
	FT-LB: NA
	VOLTAGE: NONE HZ:
FORM: 3531 REV_4 2/27/06	UL: V-INS, CONST UL REC

**Data Sheet**

Date: 12/3/2018  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



326TTFS16102

**Submittal**

Data @ 460 V

**Motor Load Data**

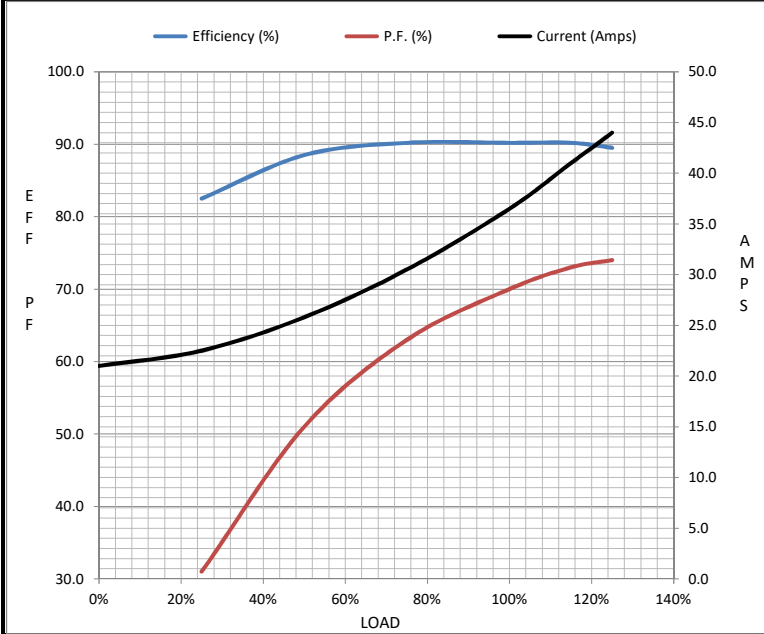
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	21.0	22.5	25.8	30.5	36.5	41.0	44.0	182	
Torque (ft-lb)	0.00	37.0	74.0	111	149	172	188	245	
RPM	900	895	892	885	882	880	875	0	
Efficiency (%)		82.5	88.5	90.2	90.2	90.2	89.5		
P.F. (%)	5.5	31.0	51.0	63.0	70.0	73.0	74.0	34.0	

**Motor Speed Data**

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	450	820	882	900
Current (Amps)	182	165	110	36.5	21.0
Torque (ft-lb)	245	210	340	149	0.00

**Information Block**

HP	25.0			
Sync. RPM	900			
Frame	326			
Enclosure	TEFC			
Construction	TFS			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	60 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	10.2 Lb-Ft <sup>2</sup>			
Ref Wdg	326836 NONE			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS28289-1300			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1920	0.1580	1.0170	0.8360	11.5830



**Speed - Torque Curve**

