

# PRODUCT INFORMATION PACKET



Model No: 850798.00

Catalog No: 850798.00

..50HP..3600RPM.326TYZ.TEFC.230/460VAC.3PH.60HZ.CONT.40C.1.15 SF.2-Bolt SAE A.....

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## Nameplate Specifications

Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	230/460 & 190-208/380-415 V
Speed	3540 & 2940 rpm	Service Factor	1.15 & 1.0
Frame	326TZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	115/57.5 & 112-9999/56-9999 A	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

## Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.162 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Single Special Extension	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 10:1		
Outline Drawing	B-SS312590-1625	Connection Drawing	A-EE7308K-LE

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

1475	324TYZ	26.08 [662.43]	14.00 [355.60]	-	10.50 [266.70]	5.25 [133.35]
1625	324/326TYZ	27.58 [700.41]	14.00 [355.60]	10.50 [266.70]	12.00 [304.80]	6.00 [152.34]
<b>DASH</b>	<b>FRAME</b>	<b>C</b>	<b>B</b>	<b>2F</b>	<b>2FF</b>	<b>BS</b>



DRAWING REVISION C	REVISION BY D.FROEHLICH	DATE 6-23-2014
ECO ECO-0053648	APPROVED BY TB	DATE 6-23-2014
ECO DESCRIPTION		
NMR-0060542, MU113900		
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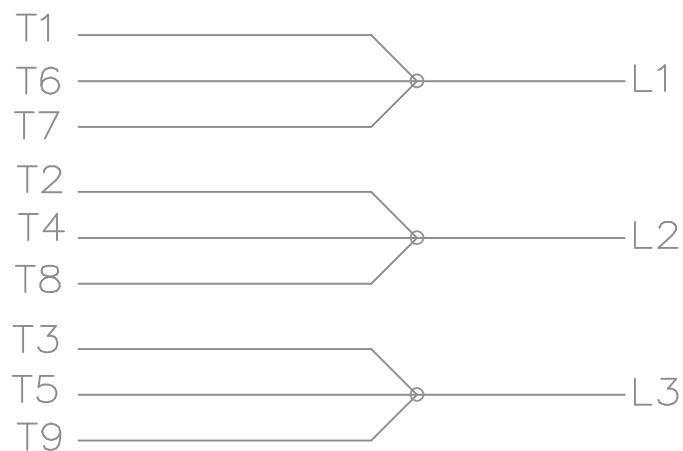
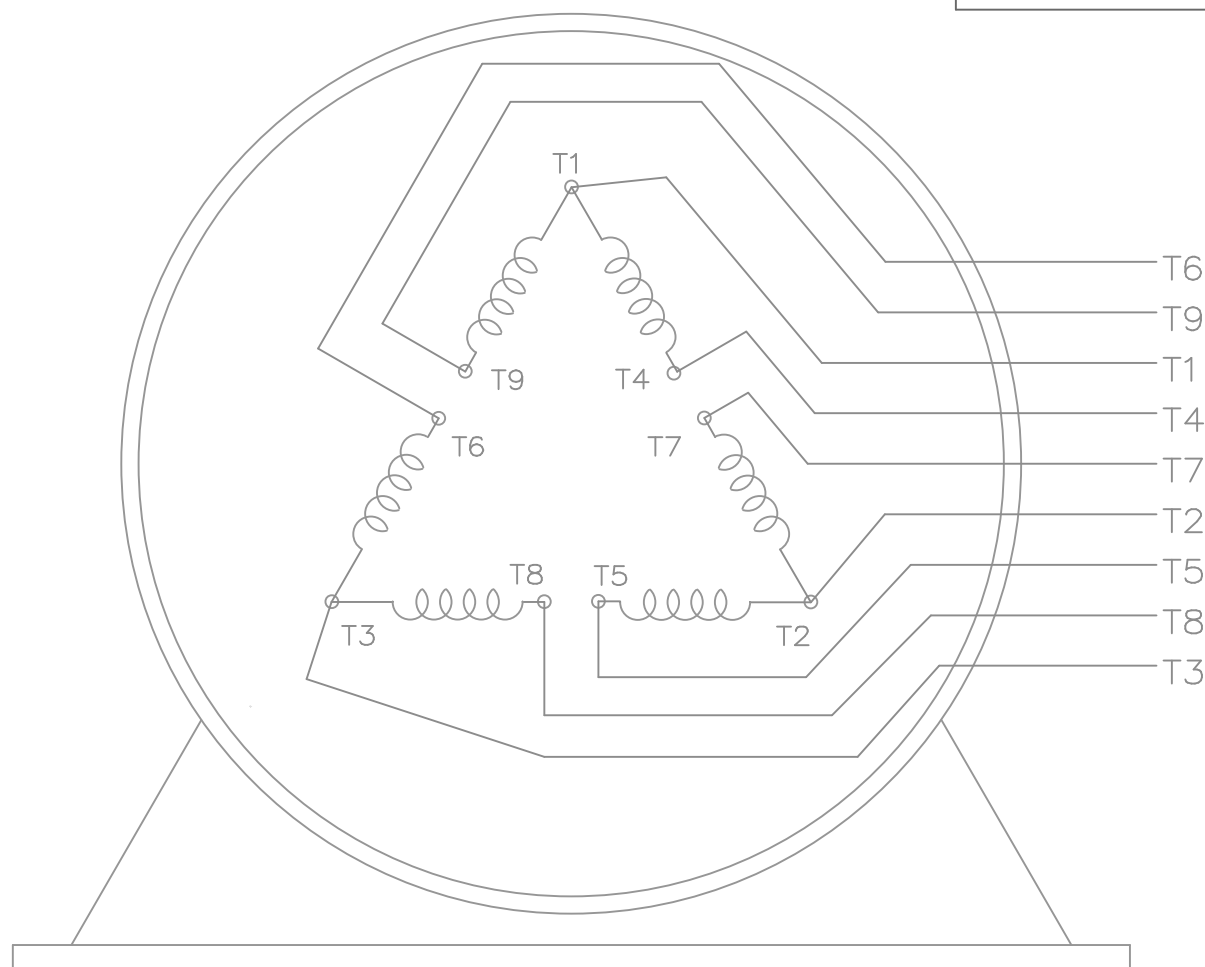
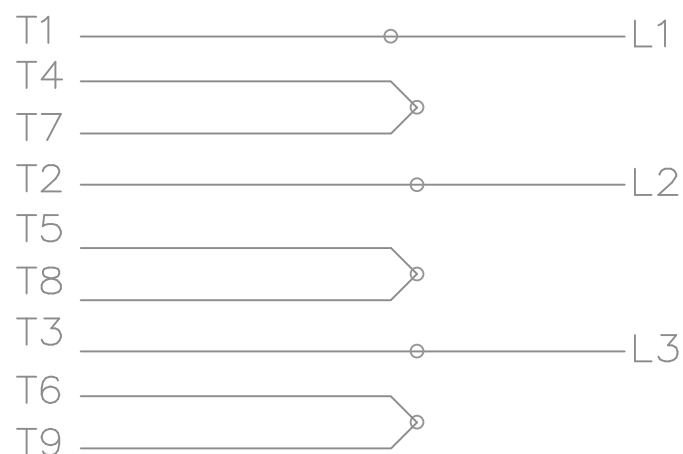
**TOLERANCES UNLESS OTHERWISE SPECIFIED:**

DEC.	INCH	mm	ANGLE
.X	±.1	[±2.5]	±7° 30'
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	


REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381]  
CORNER FILLETS: .02 [.51]  
MACHINED SURFACES: 200 INCH 5.1 mm

mm SHOWN IN [BRACKETS]

DRAWN BY MSG		 <b>Regal</b> Beloit America, Inc.	
DATE 01-24-2014			
APPROVED BY TBROWN		DESCRIPTION  <h1>OUTLINE</h1> <h2>320TYZ FR. - HYDRAULIC PUMP PAD</h2>	
DATE 01-24-2014			
PROCESS/FINISH			
		MATERIAL	
THIRD ANGLE PROJECTION 		SIZE <b>B</b>	DRAWING NUMBER <b>SS312590</b>
		SHEET 1 OF 1	

LOW VOLTAGEHIGH VOLTAGE

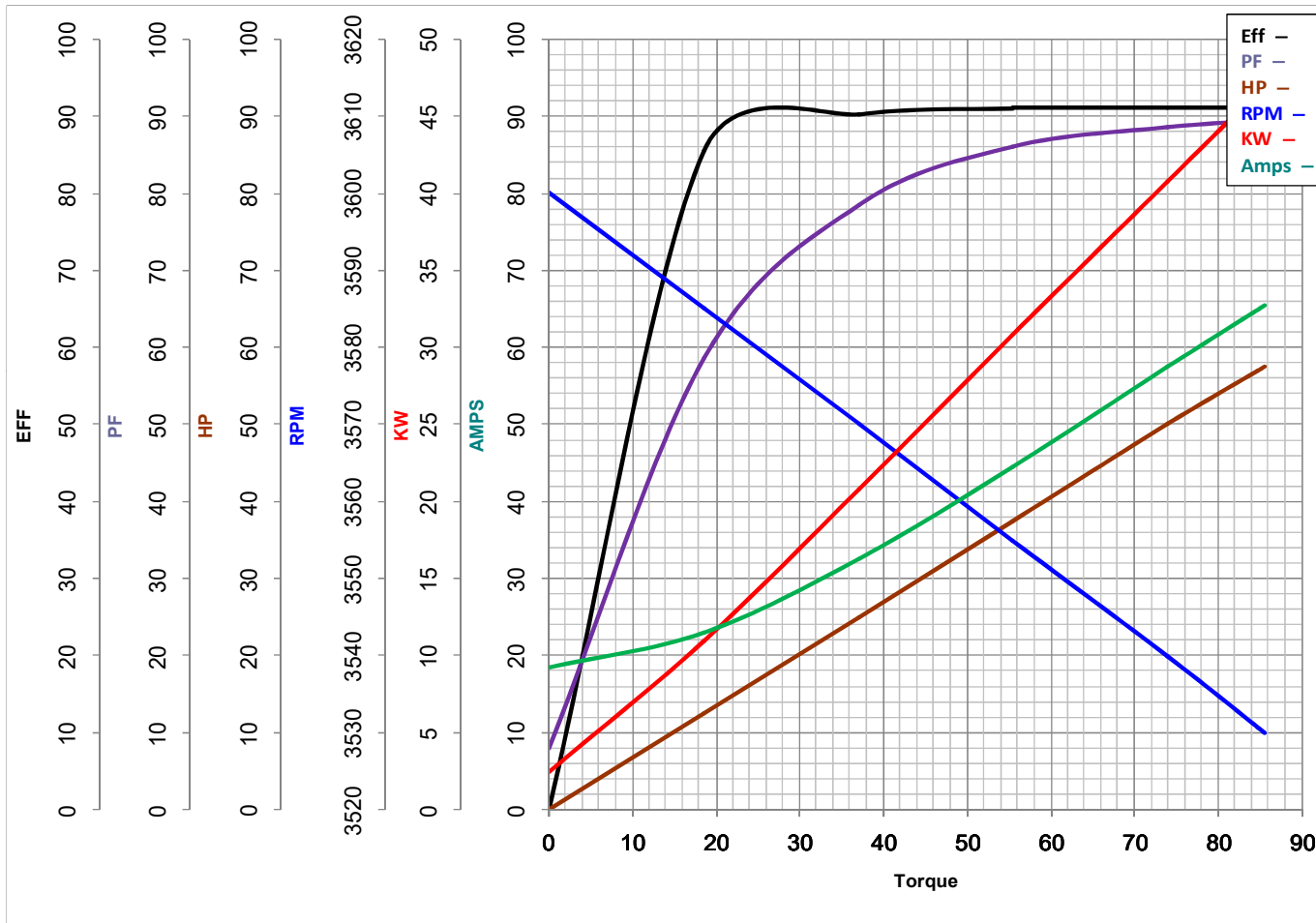
VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KJC 01-27-2003			
				DEC.	INCHES		CHK ML 01-28-2003			
				.X	±.1		APPD TB 01-28-2003			
				.XX	±.02	TITLE CONNECTION DIAGRAM DELTA CONN. - 3Ø - 9 LEADS	SCALE 1.5=1			
				.XXX	±.005		REF			
01	NEW DRAWING CN36099	KJC 01-28-2003	TB	.XXXX	±.0005	MAT'L.	FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV			
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				DIST WP			A	EE7308K-LE		01

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# **LEESON ELECTRIC CORPORATION** TYPICAL PERFORMANCE CURVE for AC MOTOR

 Curve at 460  
60  
50

 Volts  
 HZ  
 HP
 HP 50&40PHASE 3VOLTS 230/460&190-208/380-415HZ 60&50RPM 3540&2940

Torque in Lb.Ft

 FL TORQUE 74 Lb.Ft  
 BD TORQUE 205.0 Lb.Ft  
 LR TORQUE 115 Lb.Ft
 
 FL AMPS 115/57.5  
 PU TORQUE 100.0 Lb.Ft  
 LR AMPS 360

WINDING K2862132-1

Date 10/30/2018