

# PRODUCT INFORMATION PACKET



Model No: 851175.00

Catalog No: 851175.00

..50/40..1800/1500.326.TEFC.230/460 190-208/380-415.3.60/50HZ.30 MIN.40C.1.15/1.0SF.RIGID.....

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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	1765 & 1468 rpm	Service Factor	1.15 & 1.0
Frame	326	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	122/61 & 119-113/59.5-56.5 A	Power Factor	82
Duty	30 Minute	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	4	Rotation	Reversible
Resistance Main	.122 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Hyd Pump Adaptor Shaft	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2:1		
Outline Drawing	B-SS312651-1625	Connection Drawing	A-EE7308-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 A	REVISION BY	DATE
ECO ECO-0061027	APPROVED BY	DATE
ECO DESCRIPTION NMR-0067898, MU113903		
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**TOLERANCES UNLESS OTHERWISE SPECIFIED:**



DEC.	INCH	mm	ANGLE
.X	±0.1	[±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 [0.076/3.81]**

**CORNER FILLETS: .02 [51]**

**MACHINED SURFACES: 200 INCH 5.1 mm**

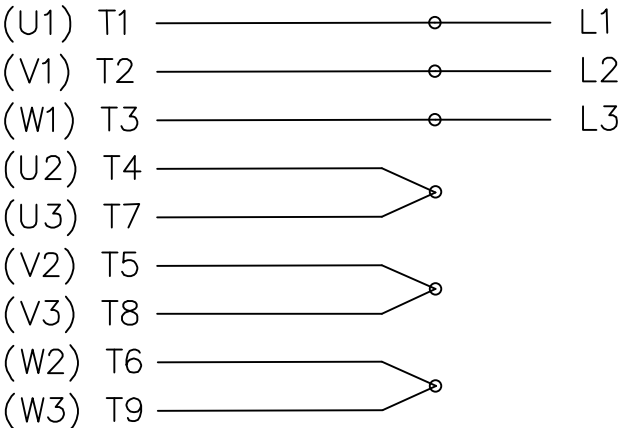
**mm SHOWN IN [BRACKETS]**

DRAWN BY D.FROEHLICH		 <b>Regal</b> Beloit America, Inc.	
DATE 10-02-2014			
APPROVED BY TB		DESCRIPTION  <div style="text-align: center;"> <b>OUTLINE</b>          320TYZ FR. - TEFC - HYD PUMP PAD - 'C' PAD, 'C' SPLINE       </div>	
DATE 10-02-2014			
REFERENCE		MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION		SIZE <b>B</b>	DRAWING NUMBER <div style="text-align: center;"> <b>SS312651</b> </div>
		SHEET 1 OF 1	

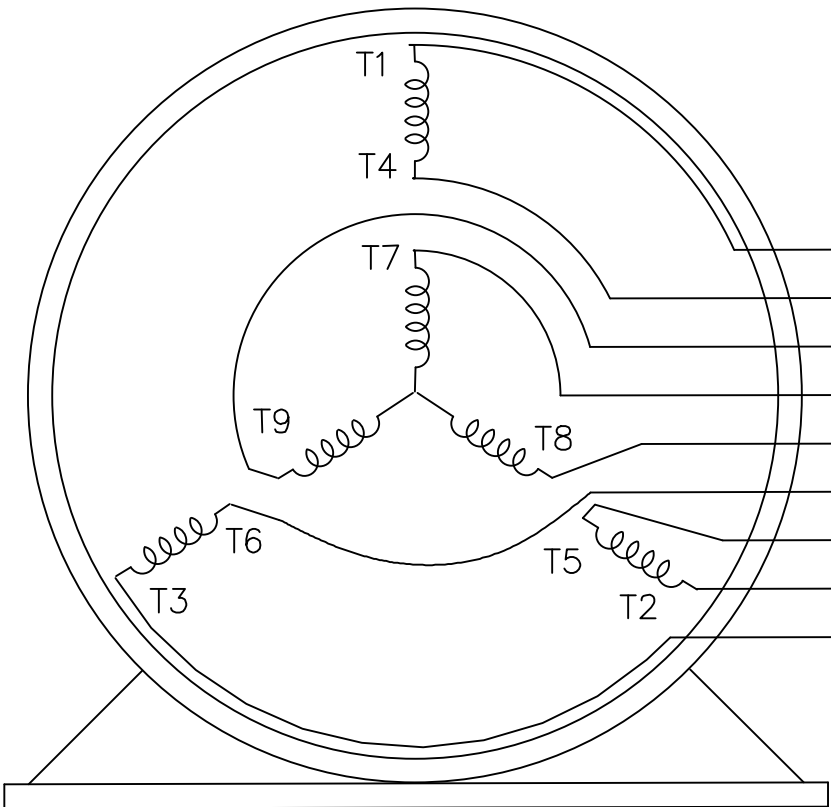
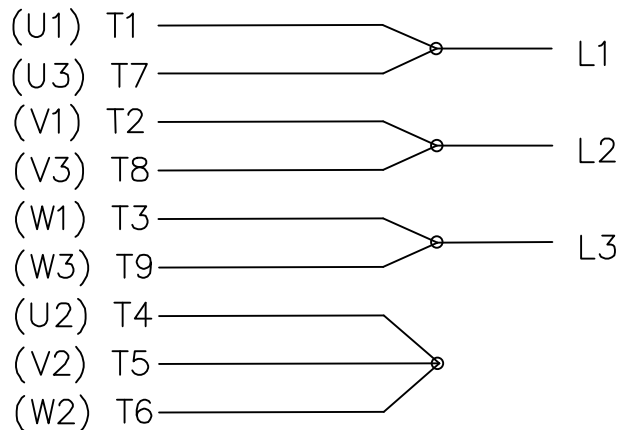


# THREE PHASE DUAL VOLTAGE MOTOR

## HIGH VOLTAGE



## LOW VOLTAGE




T1 (U1)  
 T4 (U2)  
 T9 (W3)  
 T7 (U3)  
 T8 (V3)  
 T6 (W2)  
 T5 (V2)  
 T2 (V1)  
 T3 (W1)

VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

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

			TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN HLB 04-29-2002		
			DEC.	INCHES		CHK	ML	05-03-2002
			.X	±.1		APPD	GK	05-03-2002
			.XX	±.01	TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	SCALE 1=1		
2	ADDED IEC NOTATIONS... (U1), (V1) ETC. (MU105786)	REP 01-11-2012	DR	.XXX ±.005		REF		
1	NEW DRAWING	HLB 05-03-2002	ML	.XXXX ±.0005	MAT'L.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV		
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