

PRODUCT INFORMATION PACKET



Model No: 851028.00

Catalog No: 851028.00

851028.00..25PH..1800RPM.284TYZ.TEFC.230/460VAC.3PH.60HZ.CONT.40C.....

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Nameplate Specifications

Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190-208/380-415 V
Speed	1775 & 1468 rpm	Service Factor	1.15 & 1.0
Frame	284TYZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	92.4 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	61/30.5 & 60-58/30-29 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Y
CE	Y	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.35 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-SS312559LE-1425	Connection Drawing	A-EE7308-LE

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NOTES:

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 TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

1275	284TZ	23.94 [608.08]	11.50 [292.10]	---	9.50 [241.30]	4.75 [120.65]
1425	284/286TZ	25.44 [646.18]	13.00 [330.20]	9.50 [241.30]	11.00 [279.40]	5.50 [139.70]
DASH	FRAME	C	B	2F	2FF	BS



DRAWING REVISION E	REVISION BY W. JOERGER	DATE 09-05-2014
ECO ECO-0059521	APPROVED BY E. HEIL	DATE 09-05-2014
ECO DESCRIPTION		
1.50" NPT WAS 1.25" NPT		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30"
.XX	±0.02	[±0.51]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	



REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381]

CORNER FILLETS: .02 [51]

MACHINED SURFACES: 200  5.1 

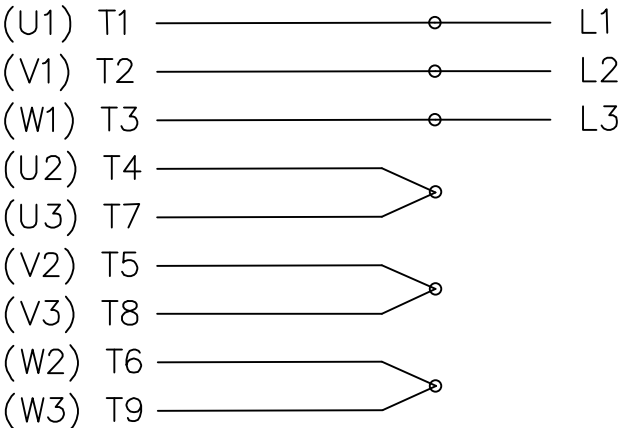
INCH  mm 

mm SHOWN IN [BRACKETS]

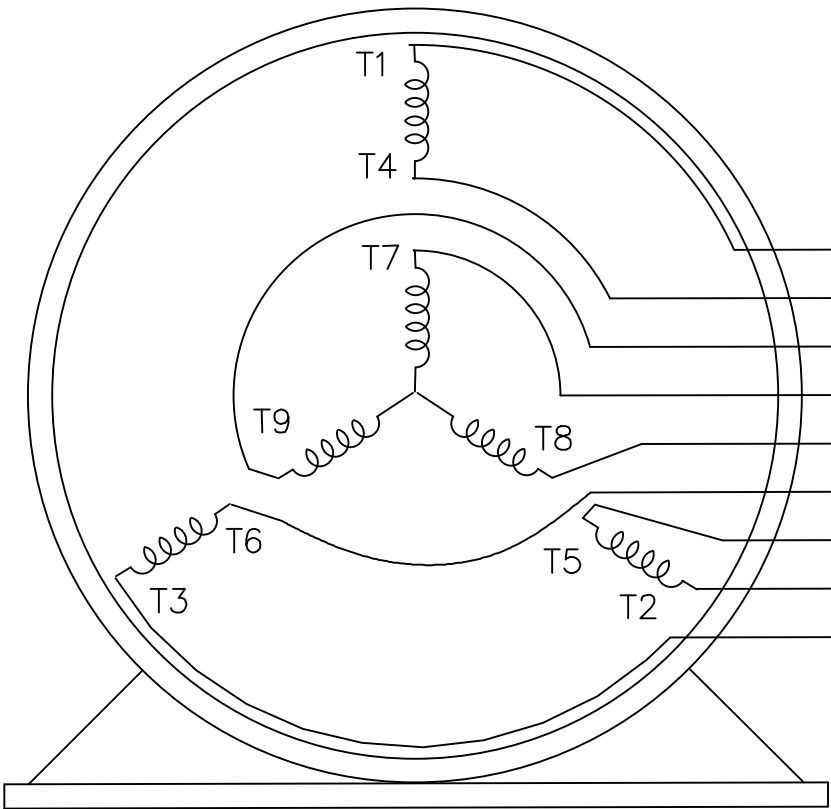
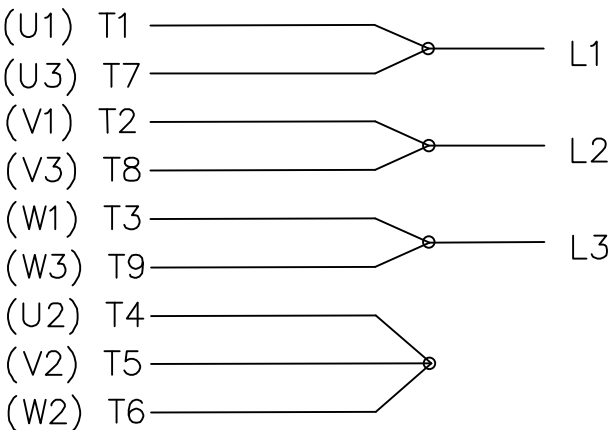
DRAWN BY TV		 Regal Beloit America, Inc.	
DATE 10-08-2013		<div>DESCRIPTION</div> <div>OUTLINE</div> <div>TEFC - HYD PUMP PAD - 284/286TZ FR - CAST IRON BOX</div>	
APPROVED BY TB			
DATE 10-09-2013			
REFERENCE SS208337LE			
		MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION		SIZE B	DRAWING NUMBER SS312559LE
		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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