

# PRODUCT INFORMATION PACKET



Model No: 825291.00

Catalog No: 825291.00

..200HP..1800RPM.445T.EPFC.460/380V.3PH.60/50HZ.CONT.40C.1.15SF.....

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### Nameplate Specifications

Phase	3	Output HP	200 & 150 Hp
Output KW	149.0 & 112.0 kW	Voltage	460 & 380 V
Speed	1785 & 1485 rpm	Service Factor	1.15 & 1.15
Frame	445T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	96.2 & 95.8 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	224 & 205 A	Power Factor	86.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6316
UL	No	CSA	N
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B

### Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.016 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 2:1		
Outline Drawing	B-SS518977-2025	Connection Drawing	A-EE7300DE

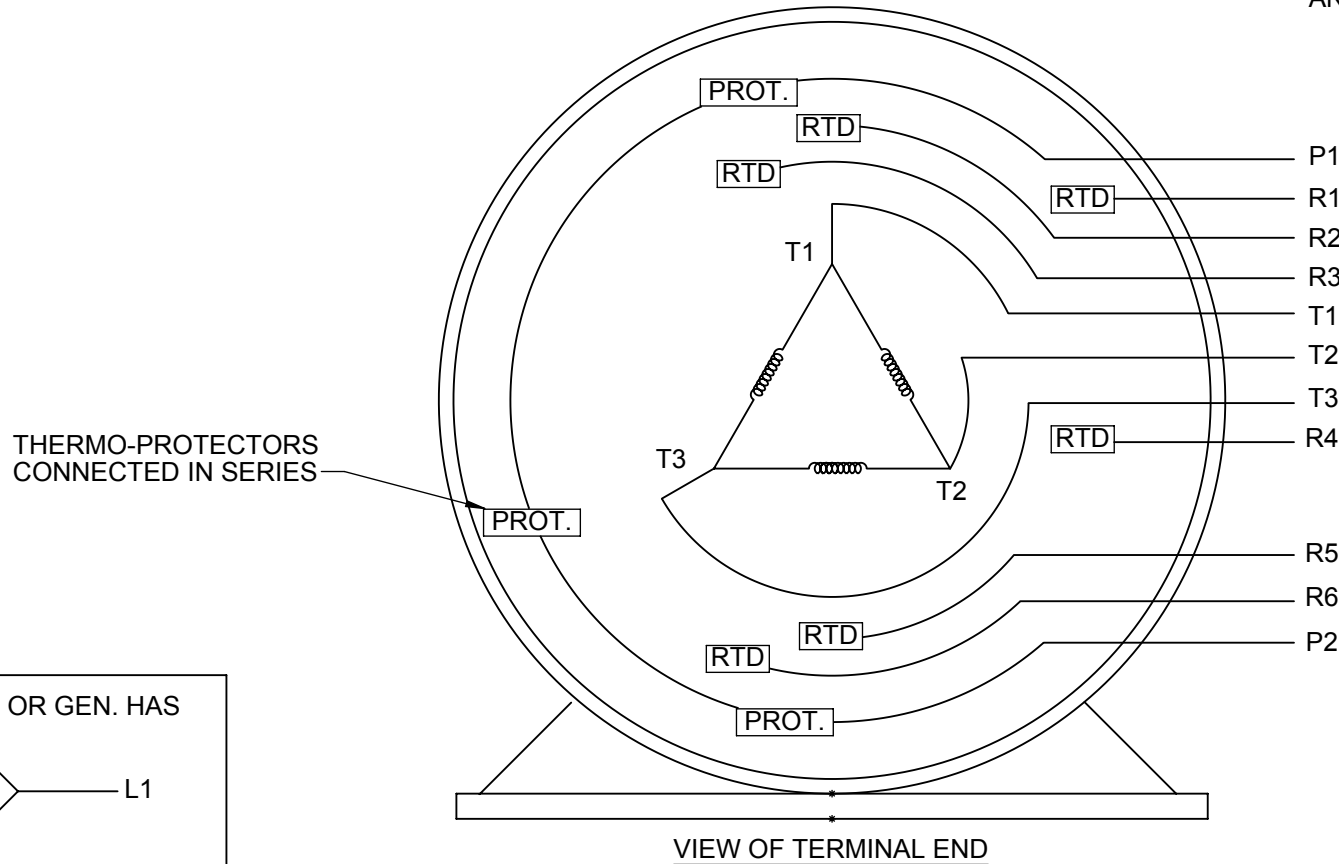


NOTES:  
1. NAMEPLATES TO BE READ FROM CONDUIT BOX  
SIDE OF MOTOR.

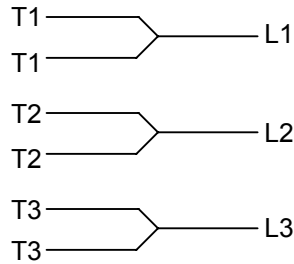
<div><div><div>DRAWING REVISION C</div><div>ECO ECO-0053074</div><div>ECO DESCRIPTION</div></div><div><div>REVISION BY JHA</div><div>APPROVED BY EWH</div><div>UPDATED TO CURRENT STANDARDS</div></div><div><div>DATE 06-06-2014</div><div>DATE 06-09-2014</div><div>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</div></div></div>							<div><div>TOLERANCES UNLESS OTHERWISE SPECIFIED:</div><div><div>DEC.</div><div>INCH</div><div>mm</div><div>ANGLE</div></div><div>.X ±0.1 [±2.5] ±7° 30"</div><div>.XX ±0.03 [±0.76]</div><div>XXX ±0.005 [±0.127]</div><div>.XXXX ±0.0005 [±0.0127]</div><div>REMOVE BURRS &amp; BREAK SHARP EDGES: .003/.015 [0.076/.381] CORNER FILLETS: .02 [51] MACHINED SURFACES: 200 INCH √ mm 5.1 √</div><div>mm SHOWN IN [BRACKETS]</div></div>			<div><div>DRAWN BY KL</div><div>DATE 02-11-2002</div><div>APPROVED BY JES</div><div>DATE 02-11-2002</div><div>REFERENCE</div><div>THIRD ANGLE PROJECTION</div></div>		<div><div> Regal Beloit America, Inc.</div><div>DESCRIPTION</div><div>OUTLINE</div><div>440T FR. - EXP. PR. - TGN - CONDULET</div><div>MATERIAL</div><div>PROCESS/FINISH</div><div>SIZE B</div><div>DRAWING NUMBER SS518977</div><div>SHEET 1 OF 1</div></div>															
							DATE		02-11-2002		DESCRIPTION																
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<div><div>DASH</div><div>FRAME</div><div>B</div><div>C</div><div>2F</div><div>BS</div></div>							MATERIAL		PROCESS/FINISH		SIZE B		DRAWING NUMBER SS518977		SHEET 1 OF 1												
1825							444TZ		17.75 [450.85]		41.35 [1050.29]		14.50 [368.30]		7.25 [184.15]												
2025							445TZ		19.75 [501.65]		43.35 [1101.09]		16.50 [419.10]		8.25 [209.55]												
4							3							2							1						

THREE PHASE-SINGLE VOLTAGE MOTOR OR  
INDUCTION GENERATOR WITH 6 RTD'S MARKED  
R1 THRU R6 2 PROTECTOR LEADS MARKED P1 AND P2


TO REVERSE ROTATION: INTERCHANGE  
ANY TWO LINE LEAD CONNECTIONS.



IF MOTOR OR GEN. HAS  
6 LEADS



A-9806 DECAL

DRAWING REVISION A		REVISION BY AJW		DATE 09-29-2014		TOLERANCES UNLESS OTHERWISE SPECIFIED: <table><tr><td>DEC.</td><td>INCH</td><td>mm</td><td>ANGLE</td></tr><tr><td>.X</td><td>±0.1</td><td>[±2.5]</td><td>±0.5°</td></tr><tr><td>.XX</td><td>±0.01</td><td>[±0.25]</td><td></td></tr><tr><td>XXX</td><td>±0.005</td><td>[±0.127]</td><td></td></tr><tr><td>.XXXX</td><td>±0.0005</td><td>[±0.0127]</td><td></td></tr></table> REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [076/.381] CORNER FILLETS: .02 [51] MACHINED SURFACES: 125/3.2 INCH mm mm SHOWN IN [BRACKETS]				DEC.	INCH	mm	ANGLE	.X	±0.1	[±2.5]	±0.5°	.XX	±0.01	[±0.25]		XXX	±0.005	[±0.127]		.XXXX	±0.0005	[±0.0127]	
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						DATE 12-10-1992																							
						APPROVED BY		DESCRIPTION CONN DIAGRAM-INTERNAL SINGLE VOLT-3Ø MOTOR																					
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