

PRODUCT INFORMATION PACKET

Model No: 505UTDS1584

Catalog No: Y219

Other Purpose Motor, 125 HP, 3 Ph, 60 Hz, 460/796 V, 1200 RPM, 505TZ Frame, DP



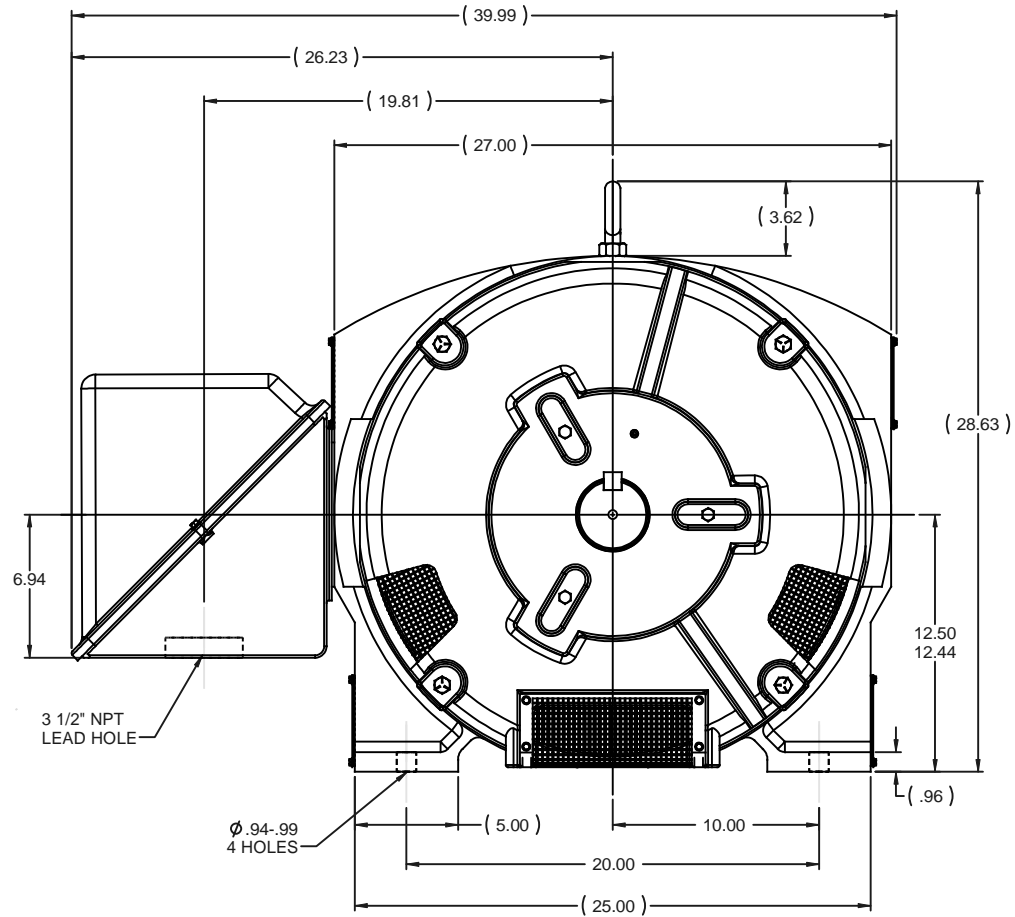
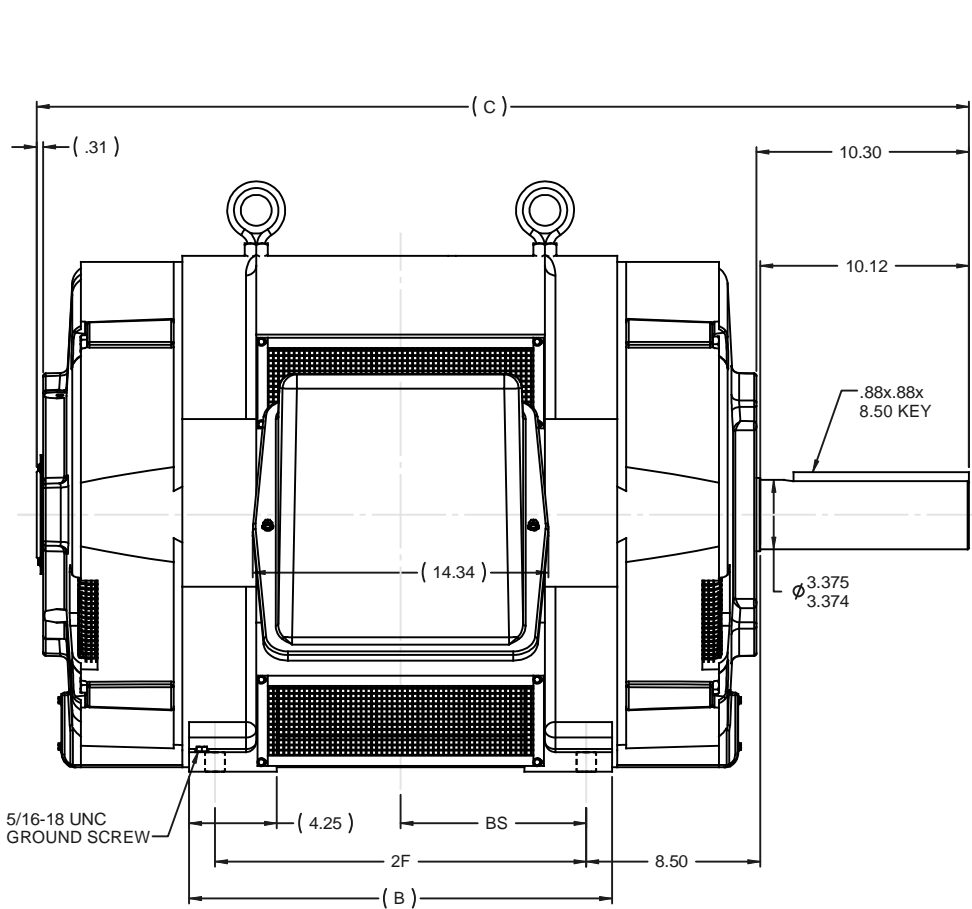
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Nameplate Specifications

Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	460/796 V
Current	153.0/88.5 A	Speed	1125 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	86.5
Duty	Oil Well	Insulation Class	F
Design Code	D	KVA Code	H
Frame	505TZ	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	NU319	Opp Drive End Bearing Size	6319
UL	No	CSA	N
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Bar Rotator Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	.033 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Roller
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Single Special Extension	Overall Length	45.19 in
Shaft Diameter	3.375 in	Shaft Extension	10.12 in
Assembly/Box Mounting	F2/F1 Capable		
Outline Drawing	B-SS550848-2100	Connection Drawing	A-EE7304H

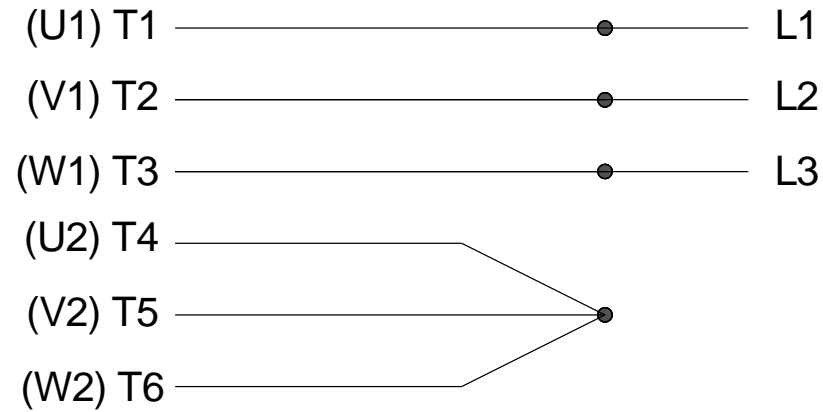


- NOTES:
 1- C'BOX CAN BE ROTATED IN 90° STEPS.
 2- C'BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS & TURNING FRAME 180°.
 3- NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.

DASH	FRAME	B	C	2F	BS
2100	505UZ	20.50	45.19	18.00	9.00

		TOLERANCES UNLESS SPECIFIED				DRAWN KL 04-27-2005		
		DEC	INCHES			CHK ML 04-28-2005		
		x	±.1	TITLE OUTLINE - SPL. EXT. - EXTENDED RATING		APPR JES 04-28-2005		
		.xx	±.03	505UZ FR. - DR.PR. - SCREENED		SCALE 1:6		
		.xxx	±.005	REF		FMF MU66163		
		.xxx	±.0005	MATL		PREV SS513940		
1 REDRAWN ON SOLIDWORKS		DRS 05-03-2005	CHK ANG ±7'30"	FINISH		RFP 04-28-2005		
NO REVISION		BY & DATE	CAD FILE SS550848		SIZE	DRAWING NO	REV	
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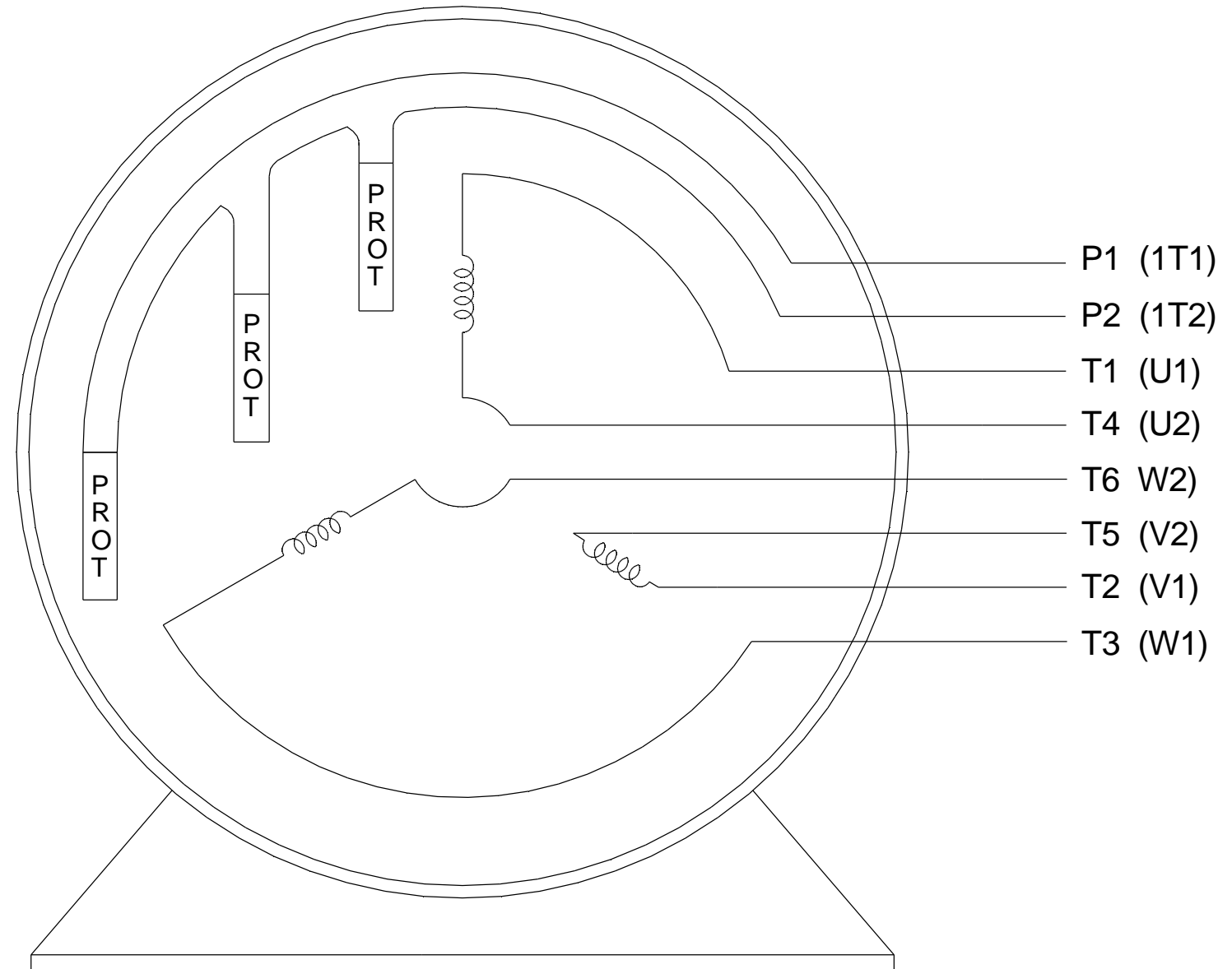
"Y" RUN




"Δ" BOOST



WHEN MORE THAN ONE
PROTECTOR IS USED,
CONNECT IN SERIES



VIEW OF TERMINAL END
3 ∅ DUAL VOLTAGE MOTOR

DRAWING REVISION A	REVISION BY HV	DATE 12-17-2014	TOLERANCES UNLESS OTHERWISE SPECIFIED: 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] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] CORNER FILLETS: .02 [.51] MACHINED SURFACES: 125/3.2 INCH mm mm SHOWN IN [BRACKETS]	DRAWN BY BLR	 Regal Beloit America, Inc.	
ECO ECO-0065198	APPROVED BY EMH	DATE 12-17-2014		DATE 03-07-1998		
ECO DESCRIPTION REDRAWN IN SOLIDWORKS, REMOVED GRND. NOTE				APPROVED BY ML	DESCRIPTION CONN DIAGRAM-EXTERNAL DUAL VOLTAGE - 3 PHASE - 6 LEAD DELTA - Y	
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				REFERENCE	PROCESS/FINISH	
			THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7304H	SHEET 1 OF 1