

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 324TSTGP4001

Catalog No: U068

Other Purpose Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
324TS Frame, EPFC

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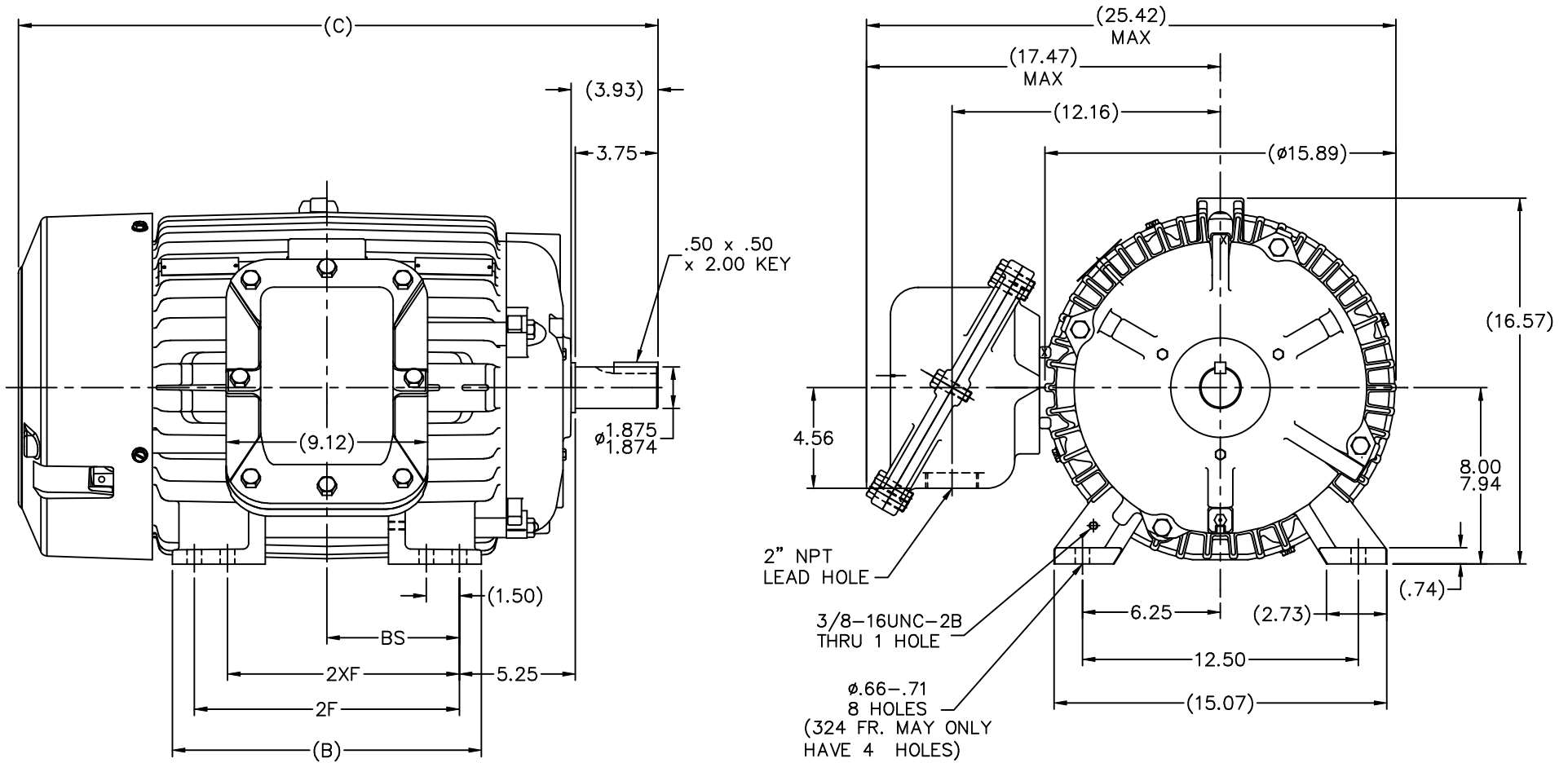
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	40 & 30 Hp
Output KW	30.0 & 22.4 kW	Voltage	230/460 & 190/380 V
Speed	3545 & 2950 rpm	Service Factor	1.15 & 1.15
Frame	324TS	Enclosure	Explosion Proof Fan cooled
Thermal Protection	No Protection	Efficiency	91.7 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	95/47.5 & 87/43.5 A	Power Factor	86.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	Listed	CSA	Y
CE	N	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.22 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	27.47 in
Frame Length	14.75 in	Shaft Diameter	1.875 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE7308AD	Outline Drawing	B-SS311002-1475

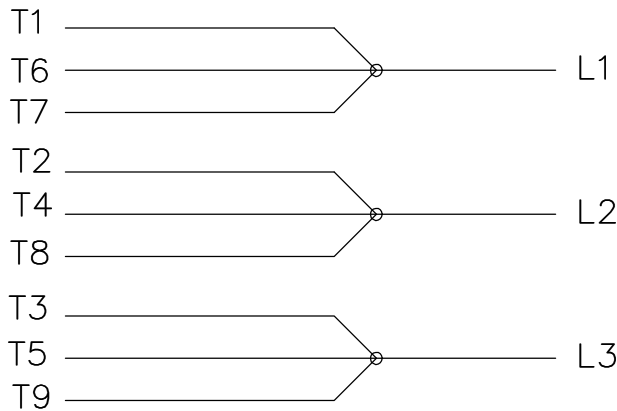


- NOTES:
 1. BOX CAN ONLY BE ROTATED CLOCKWISE UP TO 270° FROM ITS ORIGINAL POSITION.
 2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

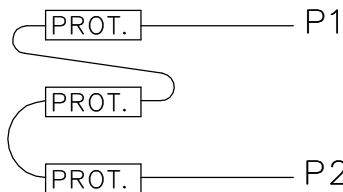
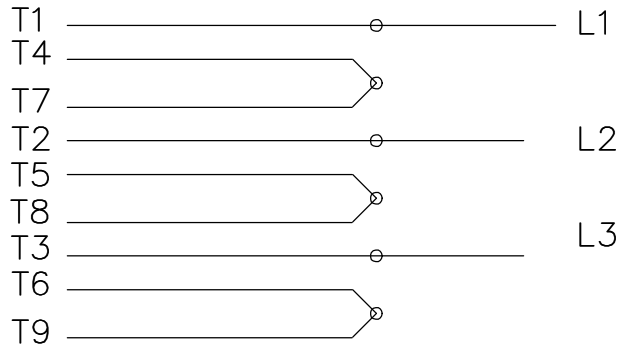
DASH	FRAME	B	C	2F	2XF	BS
1475	324TS	14.00	27.47	10.50		5.25
1625	326TS	14.00	28.97	12.00	10.50	6.00

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN DA 03-25-1999						
5	REDRAWN IN AUTOCAD	TAT	06-28-2004	ML	DEC.	INCHES	CHK ML 04-14-1999					
4	DASH 1475 (B) 14.00 WAS 12.50	CN	29200-1468	HLB	02-26-2001	.X	APPD SW 04-14-1999					
3	UPDATED 'C' BOX GEOMETRY PER CAST. CHG. CN 29010	DRS	01-31-2000	.XX	±.03	TITLE	SCALE 7-32					
2	REVISED 'C' DIMENSION FOR C.I. FAN GUARD.	DA	07-12-1999	.XXX	±.005	OUTLINE - EXP.PR. - TGP	REF					
	REVISED CONDUIT BOX	CN	2700-239	.XXXX	±.0005	320TS - STD - 12.50 LAM.	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	MATL	PREV					
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT						CAD FILE	ss311002	SIZE	DRAWING NO.	PAGE	OF	REV.
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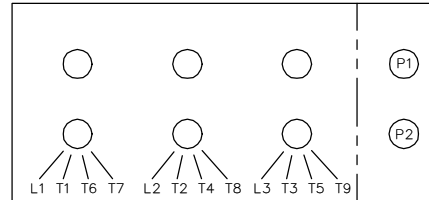
LOW VOLTAGE



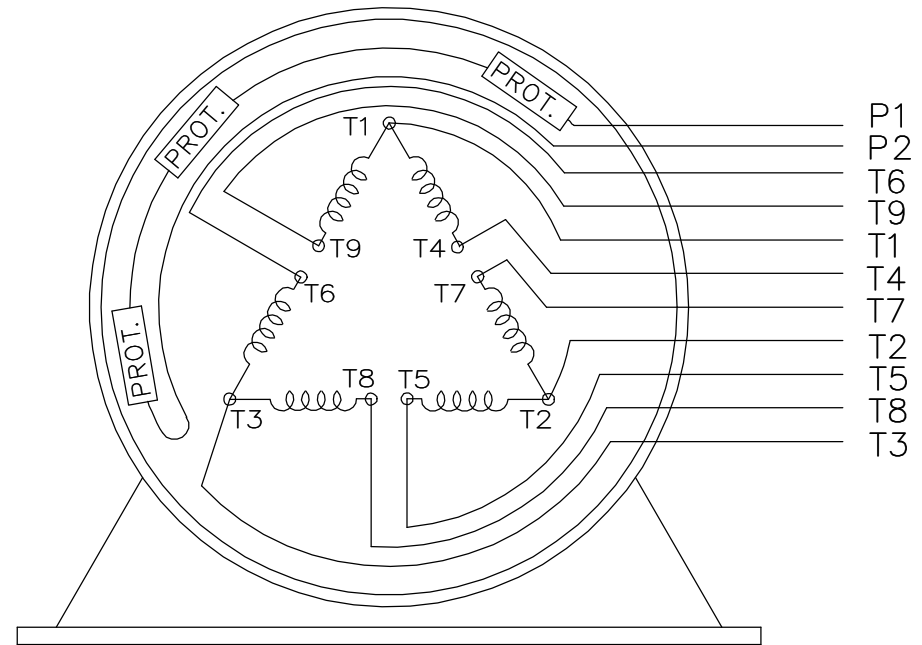
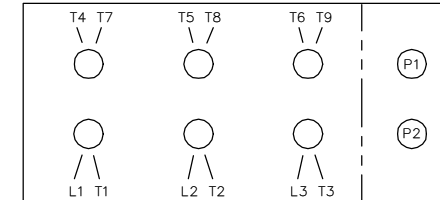
HIGH VOLTAGE



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

WHEN MORE THAN ONE PROT. IS USED; PROT. ARE CONNECTED IN SERIES

DRAWING REVISION L	REVISION BY JP	REV DATE/© DATE 06-21-2019	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±7' 30" .XX ±0.02 [±0.5] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]	DRAWN BY MJD	Regal Beloit America, Inc.
ECO ECO-0168744	APPROVED BY MH	DATE 06-21-2019		DATE 12-19-1997	
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 ° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200/ 5.1 INCH/mm	APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL
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			SIZE A	DRAWING NUMBER EE7308AD	SHEET 1 OF 1