

# PRODUCT INFORMATION PACKET

marathon®  
Motors

Model No: 324TSTGP1001

Catalog No: U962

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



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E

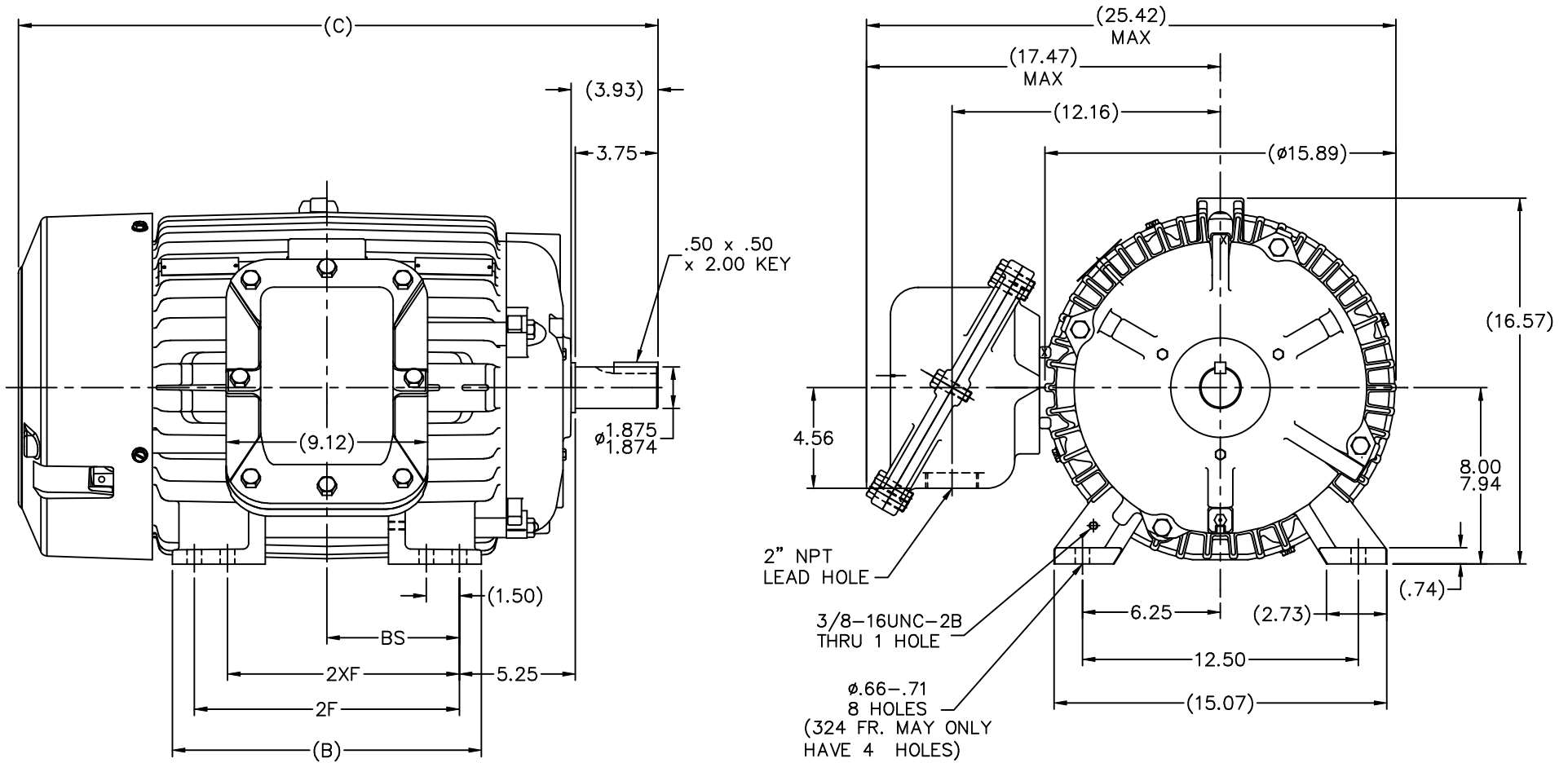
RegalRexnord

### Nameplate Specifications

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

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.22 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Cast Iron</b>
Shaft Type	<b>TS</b>	Overall Length	<b>27.47 in</b>
Frame Length	<b>14.75 in</b>	Shaft Diameter	<b>1.875 in</b>
Shaft Extension	<b>3.75 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Connection Drawing	<b>A-EE7308K</b>	Outline Drawing	<b>B-SS311002-1475</b>



- 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 ±.1	APPD SW 04-14-1999				
3	UPDATED 'C' BOX GEOMETRY PER CAST. CHG. CN 29010	DRS	01-31-2000	.XX	±.03	TITLE OUTLINE - EXP.PR. - TGP	SCALE 7-32				
2	REVISED 'C' DIMENSION FOR C.I. FAN GUARD.	DA	07-12-1999	.XXX	±.005	320TS - STD - 12.50 LAM.	REF				
	REVISED CONDUIT BOX	CN	2700-239	.XXXX	±.0005	MATL	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	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						RFP	CAD FILE ss311002	SIZE	DRAWING NO.	PAGE OF	REV.
						DIST	LB	B	SS311002	5	5

LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 <b>REGAL - BELOIT CORPORATION</b>	DRAWN PGK 06-04-1997	
NO.	REVISION	BY & DATE	CHK	ANG	±		INCHES	CHK
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.				
D	RE-DRAWN WITH REGAL LOGO ECD-0110493	WGJ 09-30-2016	EMH	.X	±.1			APPD GK 06-15-1997
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	±.02	TITLE	CONNECTION DIAGRAM	
7	REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	±.005		DELTA CON. - 3Ø - 9 LEADS	
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	±.0005	MAT'L.	FMF	
					±7'30"	FINISH	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						RFP	CAD FILE EE7308K	
						DIST	SIZE	DRAWING NO. PAGE OF
							A	EE7308K
								REV. E