

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 405TSTGS1001

Catalog No: U974

Other Purpose Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
405TS 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

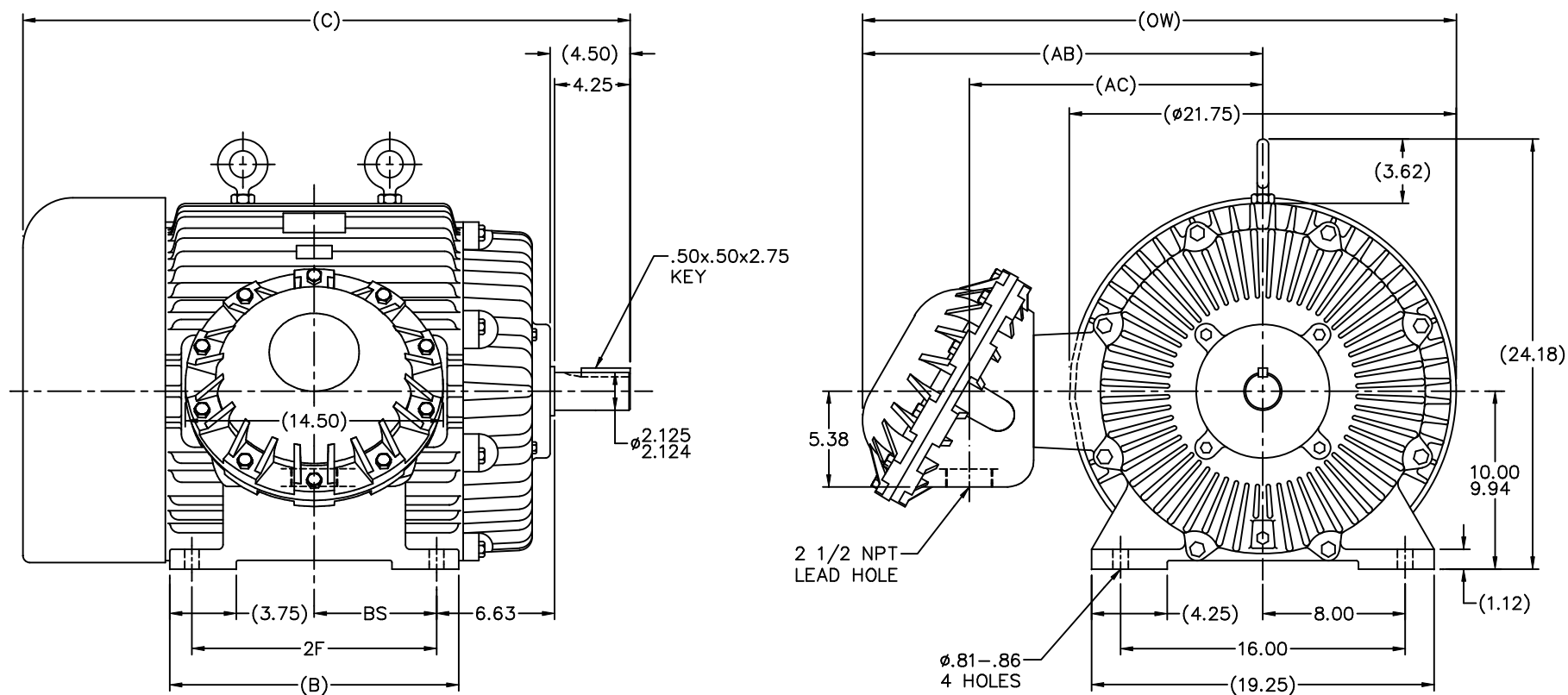
RegalRexnord

Nameplate Specifications

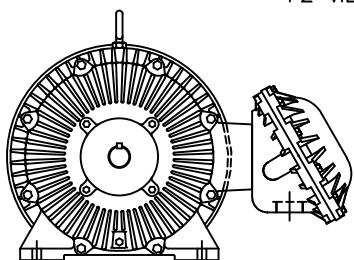
Phase	3	Output HP	100 & 75 Hp
Output KW	74.6 & 56.0 kW	Voltage	230/460 & 190/380 V
Speed	3565 & 2970 rpm	Service Factor	1.15 & 1.15
Frame	405TS	Enclosure	Explosion Proof Fan cooled
Thermal Protection	No Protection	Efficiency	94.1 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	224/112 & 204/102 A	Power Factor	89
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	313	Opp Drive End Bearing Size	313
UL	Listed	CSA	Y
CE	N	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.06 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	34.12 in
Frame Length	16.75 in	Shaft Diameter	2.125 in
Shaft Extension	4.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS518935-1675	Connection Drawing	A-EE7308K



F2 VIEW



NOTES:

1. BOX CAN BE ROTATED IN 90° STEPS.
2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	2F	AB	AC	BS	OW
1525	404TS	14.75	32.62	12.25	21.50	15.50	6.12	32.38
1675	405TS	16.25	34.12	13.75	22.50	16.50	6.88	33.38

TOLERANCES UNLESS SPECIFIED				MARATHON ELECTRIC		DRAWN MSG 03-06-2002	
DEC.	INCHES	DEC.	INCHES	CHK JHL 03-19-2002		APPD JES 03-20-2002	
.X	±.1			SCALE 1=6.0		REF	
3	ADDED F2 VIEW	RWR 08-07-2007	ML .XX ±.03	TITLE OUTLINE		FIMF	
2	UPPDATED DRAWING	RJW 05-08-2007	ML .XXX ±.005	400TS FR. - EXP. PROOF - (STD)		PREV	
1	NEW DRAWING CN34593	MSG 03-20-2002	JHL .XXXX ±.0005	FINISH		REV.	
NO.	REVISION	BY & DATE	CHK ANG ±7'30"	CAD FILE SS518935		SIZE B	DRAWING NO. SS518935
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		PAGE OF	3
				DIST WA			

LOW VOLTAGE

EE7308K

HIGH VOLTAGE

VIEW OF TERMINAL END

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