

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 405TSTGS4003

Catalog No: U096

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

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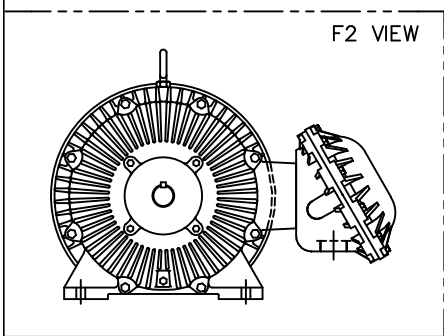
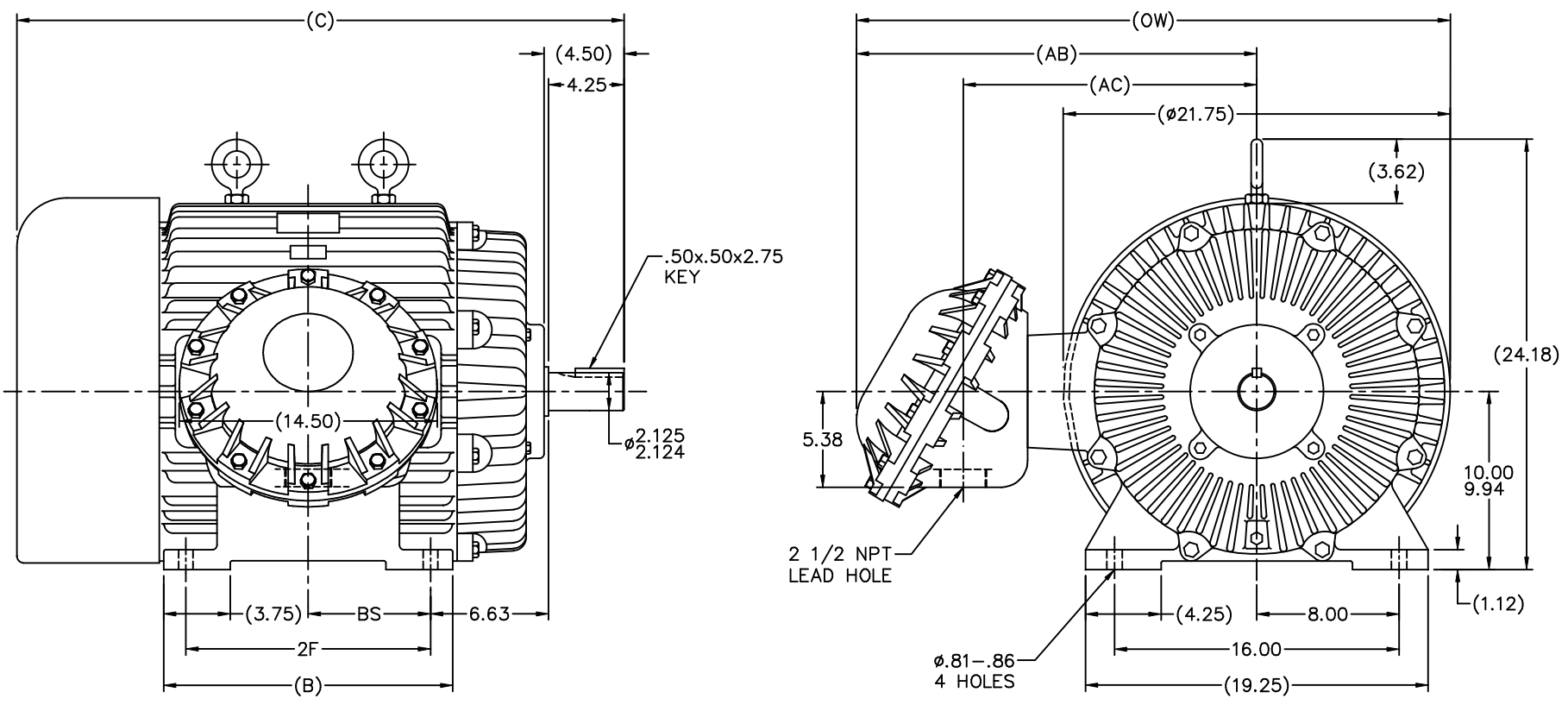
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	100 & 75 Hp
Output KW	75.0 & 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	6313	Opp Drive End Bearing Size	6313
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	.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 ONLY
Outline Drawing	B-SS518935-1675	Connection Drawing	A-EE7308AD

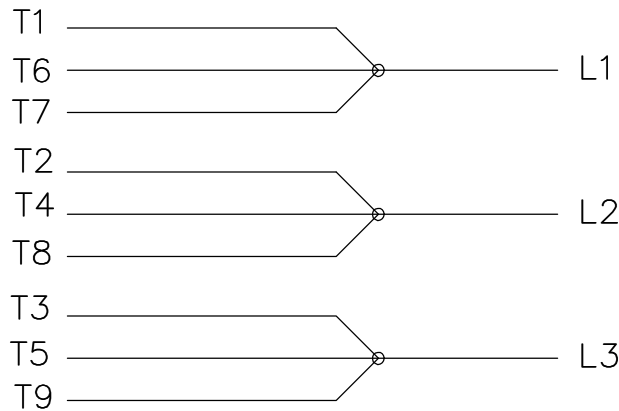


- NOTES:
1. BOX CAN BE ROTATED IN 90° STEPS.
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

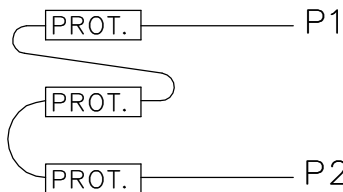
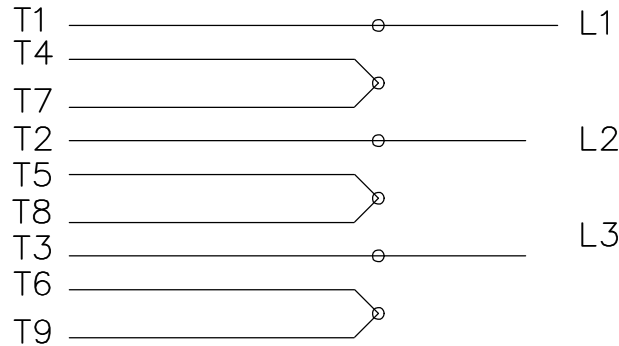
DASH	FRAME	B	C	2F	AB	AC	BS	OW
1525	404TS	14.75	32.62	12.25	21.50	15.50	6.12	32.38
1675	405TS	16.25	34.12	13.75	22.50	16.50	6.88	33.38

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

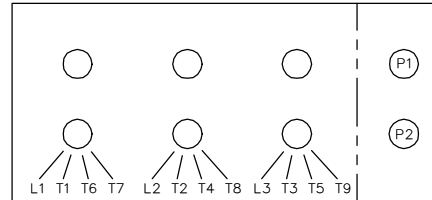
LOW VOLTAGE



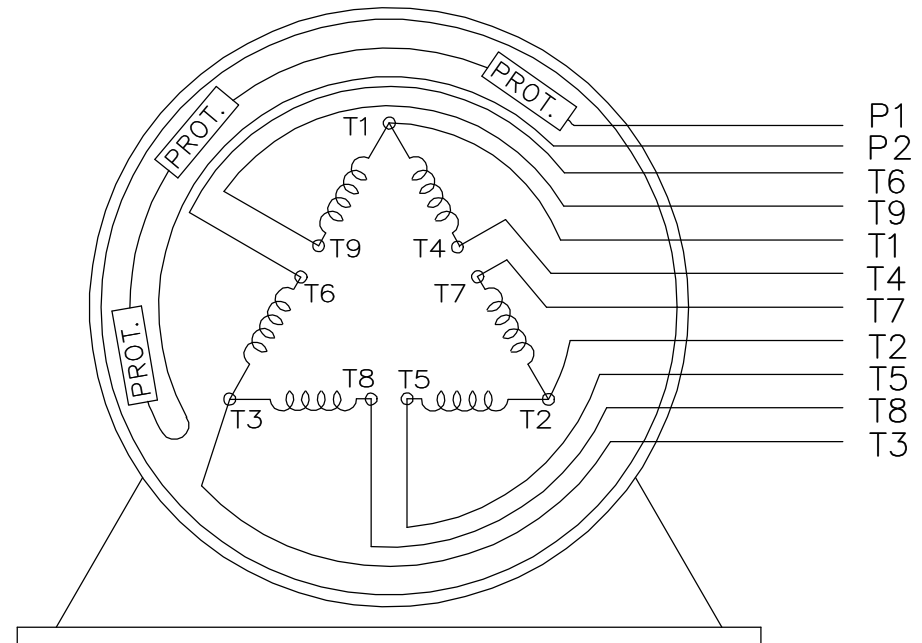
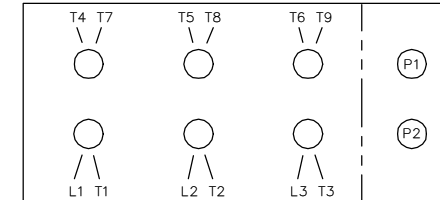
HIGH VOLTAGE



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):		DRAWN BY MJD		Regal Beloit America, Inc.	
ECO ECO-0168744		APPROVED BY MH	DATE 06-21-2019	DEC. .X	INCH ±0.1	mm [±3]	ANGLE ±7° 30"		
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS				REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°		APPROVED BY GK		DESCRIPTION CONN DIAGRAM-EXTERNAL	
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				MACHINED SURFACES: 200/ 5.1		REFERENCE		PROCESS/FINISH	
				mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY		THIRD ANGLE PROJECTION		DRAWING NUMBER EE7308AD	
								SHEET 1 OF 1	