

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 405TTFS4036

Catalog No: E959

Other Purpose Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,  
405T Frame, TEFC

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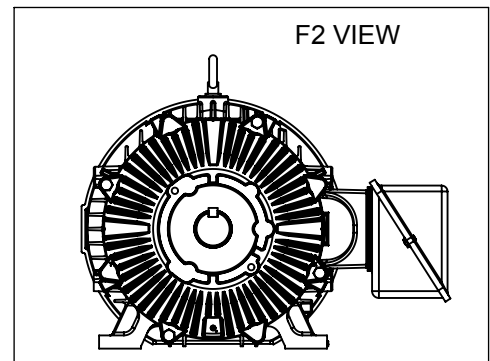
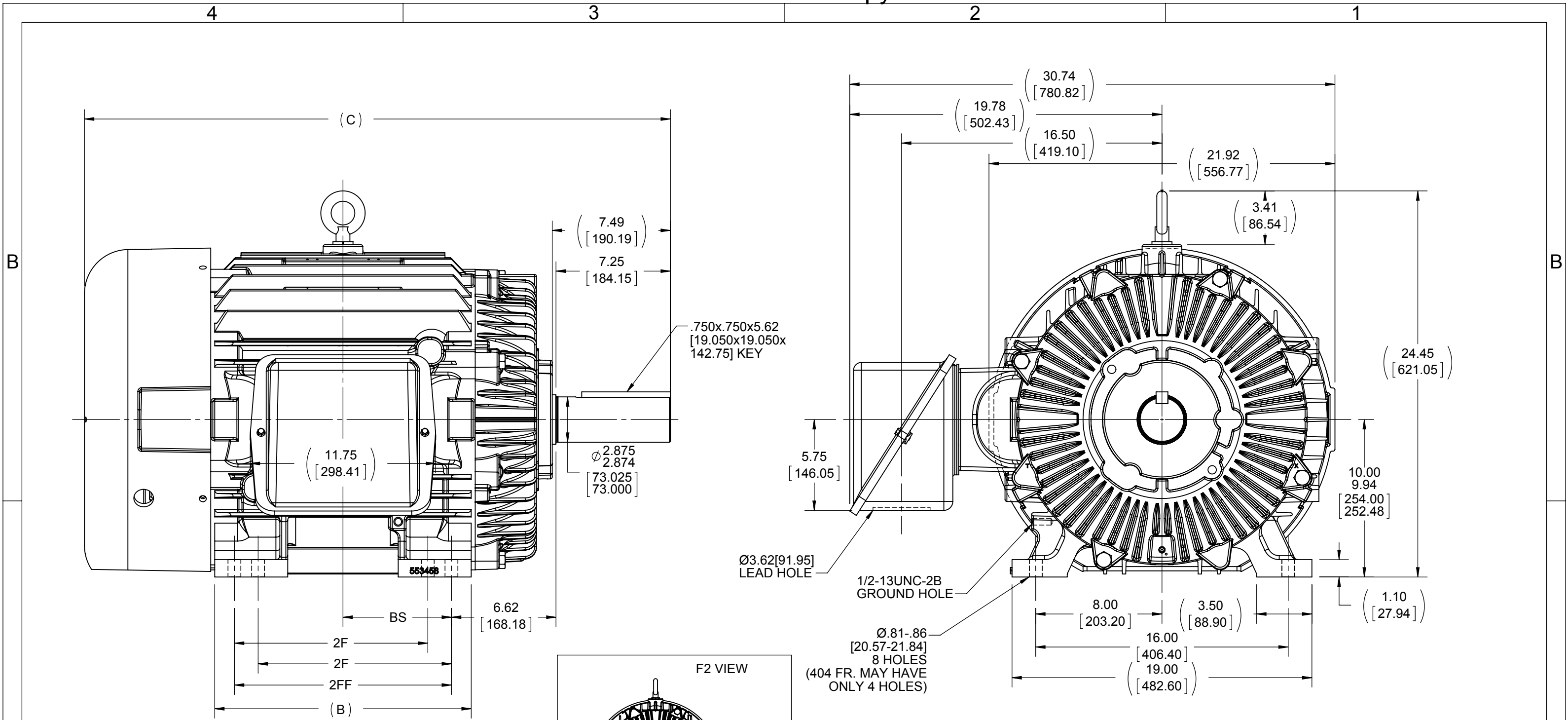
**RegalRexnord**

### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>100 &amp; 75 Hp</b>
Output KW	<b>75.0 &amp; 56.0 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>1780 &amp; 1480 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>405T</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>94.5 &amp; 94.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>228/114 &amp; 206/103 A</b>	Power Factor	<b>87</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>6316</b>	Opp Drive End Bearing Size	<b>6313</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.055 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>T</b>	Overall Length	<b>37.13 in</b>
Frame Length	<b>16.75 in</b>	Shaft Diameter	<b>2.875 in</b>
Shaft Extension	<b>7.49 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Connection Drawing	<b>A-EE7308K</b>	Outline Drawing	<b>B-SS504700-1675</b>



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

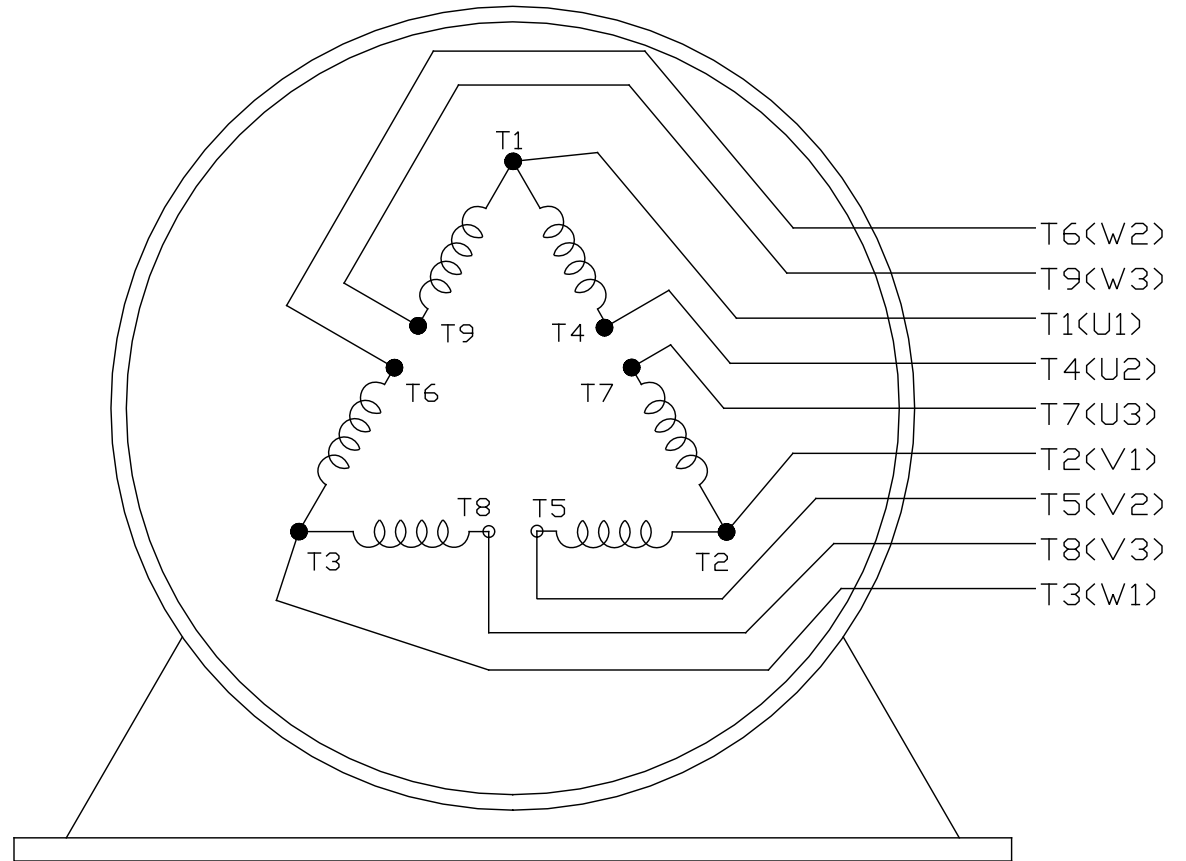
DASH	FRAME	B	C	2F	2FF	BS
1525	404T	14.75 [374.65]	35.63 [905.00]	12.25 [311.15]	-----	6.12 [155.45]
1675	404/405T	16.25 [412.75]	37.13 [943.10]	12.25 [311.15]	13.75 [349.25]	6.88 [174.75]

DRAWING REVISION L	REVISION BY AJW	DATE 09-24-2014	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] .XX ±0.01 [±0.25] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DRAWN BY TBL	Regal Beloit America, Inc.
ECO ECO-0060965	APPROVED BY DJK	DATE 09-25-2014	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] CORNER FILLETS: .02 [0.51] MACHINED SURFACES: 125 INCH 3.2 mm SHOWN IN [BRACKETS]	DATE 05-18-1988	
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.			REFERENCE THIRD ANGLE PROJECTION	APPROVED BY ML DATE 05-22-1988	DESCRIPTION <b>OUTLINE</b> 400T FR.-TEFC-STD
DASH FRAME B C 2F 2FF BS 1525 404T 14.75 [374.65] 35.63 [905.00] 12.25 [311.15] ----- 6.12 [155.45] 1675 404/405T 16.25 [412.75] 37.13 [943.10] 12.25 [311.15] 13.75 [349.25] 6.88 [174.75]		MATERIAL PROCESS/FINISH	SIZE B	DRAWING NUMBER <b>SS504700</b>	SHEET 1 OF 1

LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED		 REGAL - BELOIT CORPORATION	DRAWN PGK 06-04-1997			
NO.	REVISION	BY & DATE	CHK	ANG		±	INCHES	SCALE	PREV
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.				CHK ML 06-05-1997	
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		TITLE DELTA CON. - 3Ø - 9 LEADS	REF	
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	±.0005		MAT'L.	FMF	
					±7'30"		FINISH		
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