

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 405TTFS14074  
Catalog No: 405TTFS14074  
100,1800,TEFC,405TCV,3/60/380YD

Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.  
©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E

The logo for Regal Rexnord, featuring a stylized 'R' icon followed by the text 'RegalRexnord'.

**Nameplate Specifications**

Phase	3	Output HP	100 Hp
Output KW	75.0 kW	Voltage	380 V
Speed	1780 rpm	Service Factor	1.15
Frame	405TCV	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	138.0 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

**Technical Specifications**

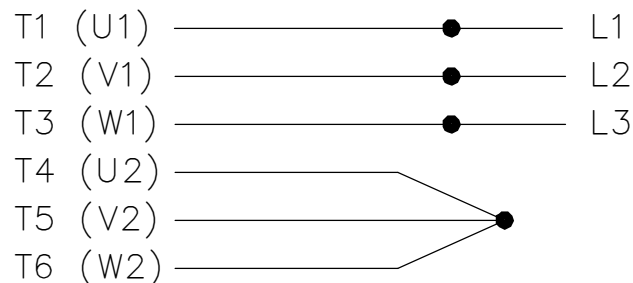
Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.055 Ohms	Mounting	Rigid Base
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	W6
Outline Drawing	B-SS518581-1675	Connection Drawing	A-EE7340

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:08/24/2023

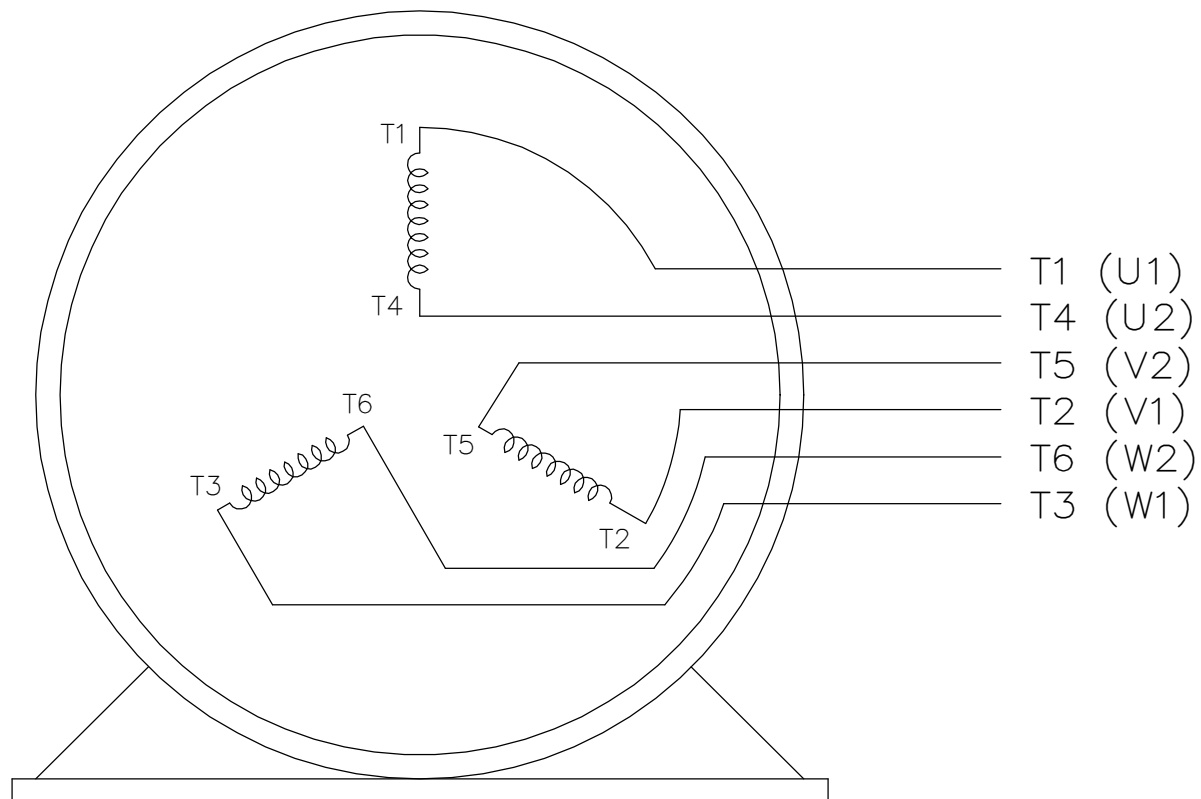
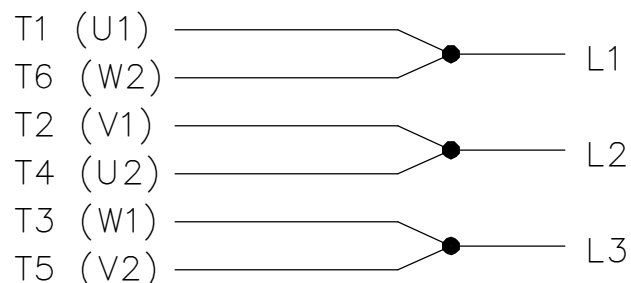


THREE PHASE  
WYE START DELTA RUN

START





RUN



VIEW OF TERMINAL END

NOTE:  
 IEC LEAD MARKINGS ARE NOTED  
 IN PARANTHESES

DRAWING REVISION F	REVISION BY RTT	REV DATE/© DATE 05-29-2019	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] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 ° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200/ 5.1 INCH √ mm √ mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY LZ	 Regal Beloit America, Inc.		
ECO ECO-0167538	APPROVED BY JWA	DATE 05-29-2019		DATE 01-06-1994			
ECO DESCRIPTION				APPROVED BY GK	DESCRIPTION <b>CONNECTION DIAGRAM</b> 3<MOD-DIAM> - WYE START DELTA RUN		
UPDATED TITLE BLOCK  COPYRIGHT (PER REVISION DATE) 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.				DATE 01-18-1994			
				REFERENCE	MATERIAL	PROCESS/FINISH	
			THIRD ANGLE PROJECTION 	SIZE A	DRAWING NUMBER EE7340	SHEET 1 OF 1	