

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 449TSTFS16106

Catalog No: 449TSTFS16106

XRI® General Purpose General Purpose Motor, 250 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 447/449TSC Frame,  
TEFC

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**RegalRexnord**



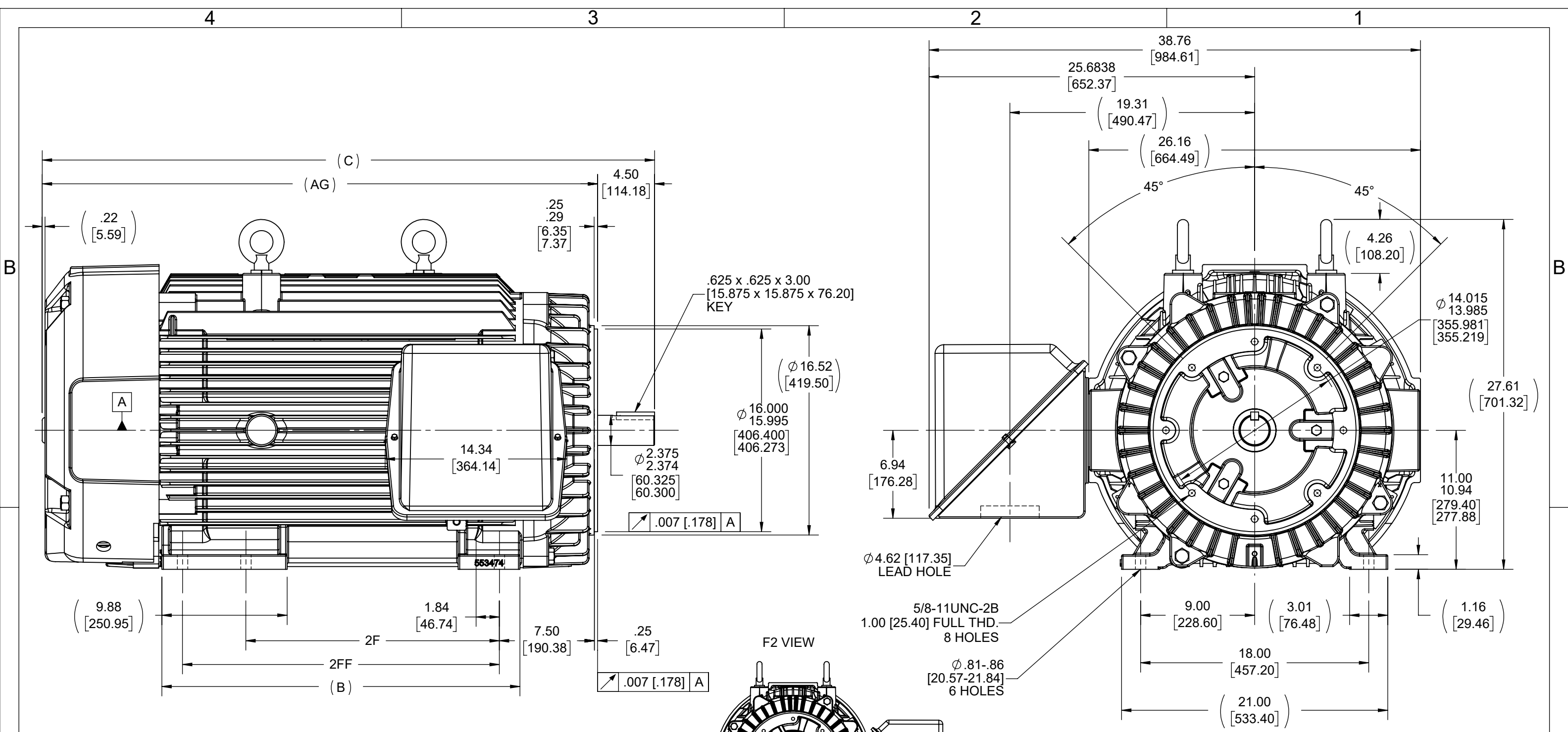
### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>250 Hp</b>
Output KW	<b>187.0 kW</b>	Voltage	<b>460 V</b>
Speed	<b>3575 rpm</b>	Service Factor	<b>1.25</b>
Frame	<b>447/449TSC</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>95.8 %</b>
Ambient Temperature	<b>45 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>270.0 A</b>	Power Factor	<b>89</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>6313</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>		

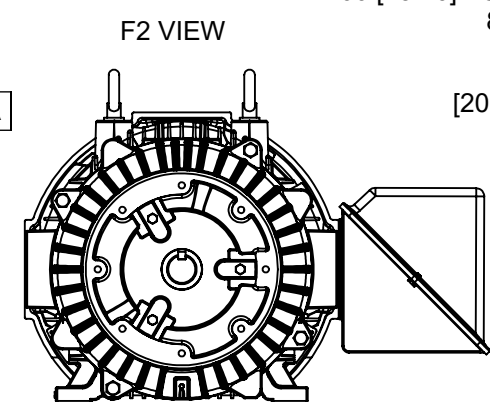
### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Wye Start Delta Run</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.0086 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>	Assembly/Box Mounting	<b>F2/F1 CAPABLE</b>
Connection Drawing	<b>EE7340</b>	Outline Drawing	<b>SS515642-2875</b>

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



DASH	FRAME	B	C	AG	2F	2FF
2875	447TSC	28.25 [717.55]	48.31 [1227.07]	43.82 [1113.03]	20.00 [508.00]	---
2875	449TSC	28.25 [717.55]	48.31 [1227.07]	43.82 [1113.03]	---	25.00 [635.00]

DRAWING REVISION B	REVISION BY JVD	DATE 03/01/2021
ECO NMR-0207096	APPROVED BY RG	DATE 03/01/2021
ECO DESCRIPTION ADDED F2 VIEW		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30"
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP  
 EDGES: .003/.015 [0.076/.381]  
 CORNER FILLETS: .02 [0.51]  
 MACHINED SURFACES: 200 INCH 5.1 mm  
 mm SHOWN IN [BRACKETS]

DRAWN BY  
KL

DATE  
06-11-1996

APPROVED BY  
JL

DATE  
06-13-1996

REFERENCE

THIRD ANGLE PROJECTION

**REGAL**™ Regal Beloit America, Inc.

DESCRIPTION  
**OUTLINE**  
447/449TSC FR. - TEFC - C'FACE - STD.

MATERIAL

PROCESS/FINISH

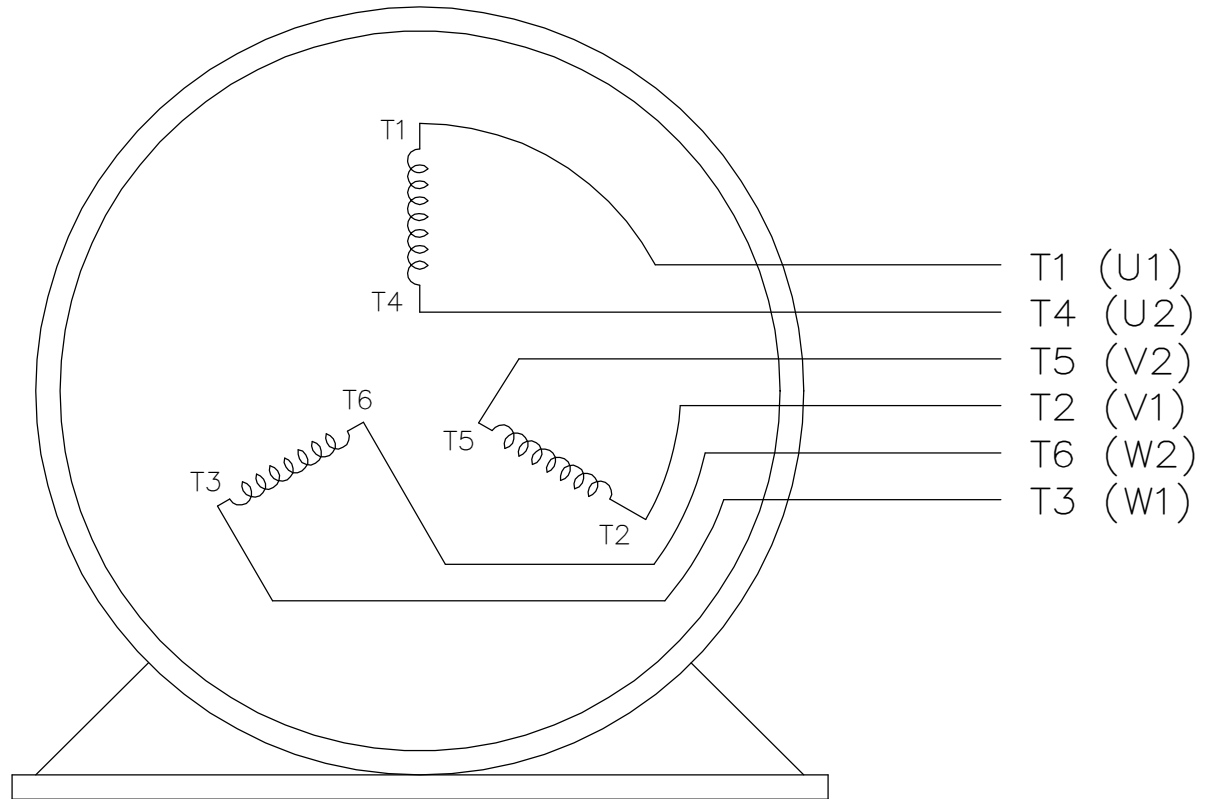
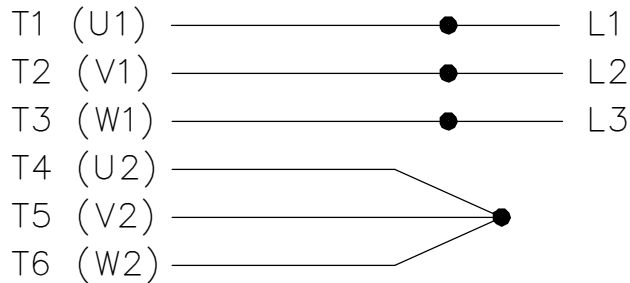
SIZE  
**B**

DRAWING NUMBER  
**SS515642**

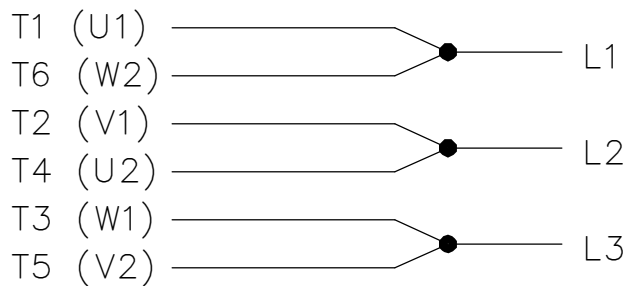
SHEET  
1 OF 1

THREE PHASE  
WYE START DELTA RUN

START





RUN



VIEW OF TERMINAL END

NOTE:  
IEC LEAD MARKINGS ARE NOTED  
IN PARANTHESES

DRAWING REVISION <b>F</b>		REVISION BY <b>RTT</b>	REV DATE/© DATE <b>05-29-2019</b>	TOLERANCES (EXCEPT AS NOTED):		DRAWN BY <b>LZ</b>		 <b>Regal Beloit America, Inc.</b>		
ECO <b>ECO-0167538</b>		APPROVED BY <b>JWA</b>	DATE <b>05-29-2019</b>	DEC. <b>.X</b> INCH <b>±0.1</b> mm <b>[±3]</b> ANGLE <b>±7' 30"</b>	DATE <b>01-06-1994</b>	DESCRIPTION <b>CONNECTION DIAGRAM</b> <b>3&lt;MOD-DIAM&gt; - WYE START DELTA RUN</b>				
ECO DESCRIPTION <b>UPDATED TITLE BLOCK</b>				REMOVE BURRS & BREAK SHARP EDGES: <b>.003/.015 [.08/.38] X 45°</b>		APPROVED BY <b>GK</b>		MATERIAL		PROCESS/FINISH
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				MACHINED SURFACES: <b>200/ 5.1</b> INCH √ mm √		REFERENCE		THIRD ANGLE PROJECTION 		SIZE <b>A</b>