

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 449TSTFS6003
Catalog No: E271
250,3600,TEFC,449TS,3/60/460
Totally Enclosed Fan Cooled (TEFC)



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REGAL[®]



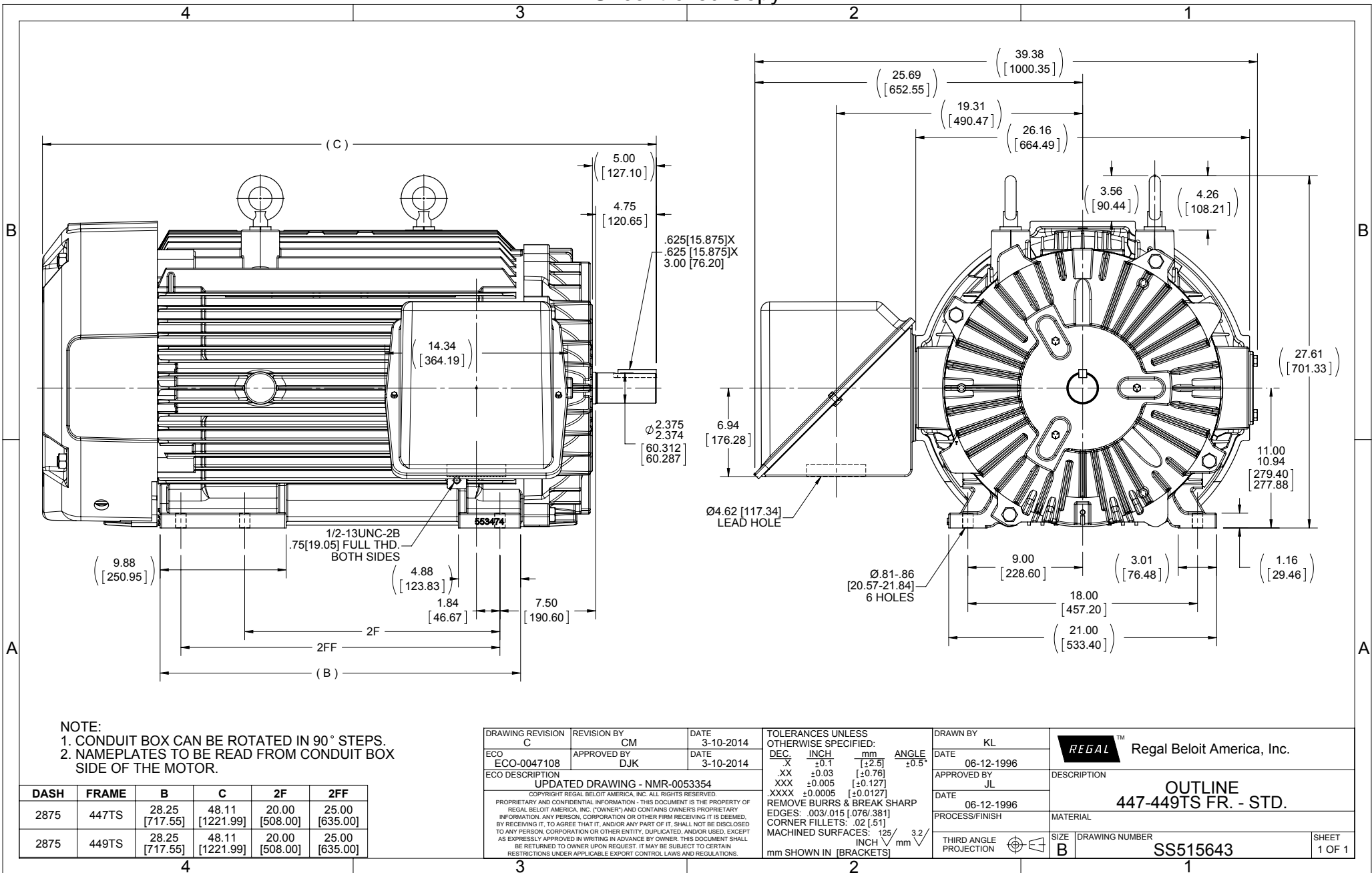
Nameplate Specifications

Output HP	250 Hp	Output KW	187.0 kW
Frequency	60 Hz	Voltage	460 V
Current	275.0 A	Speed	3575 rpm
Service Factor	1.15	Phase	3
Efficiency	95.8 %	Duty	Continuous
Insulation Class	H	Design Code	B
KVA Code	G	Frame	447/449TS
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6313
Opp Drive End Bearing Size	6313	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	TS
Overall Length	48.11 in	Frame Length	28.75 in
Shaft Diameter	2.375 in	Shaft Extension	5 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	B-SS515643-2875	Connection Diagram	A-EE7300U

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

DASH	FRAME	B	C	2F	2FF
2875	447TS	28.25 [717.55]	48.11 [1221.99]	20.00 [508.00]	25.00 [635.00]
2875	449TS	28.25 [717.55]	48.11 [1221.99]	20.00 [508.00]	25.00 [635.00]

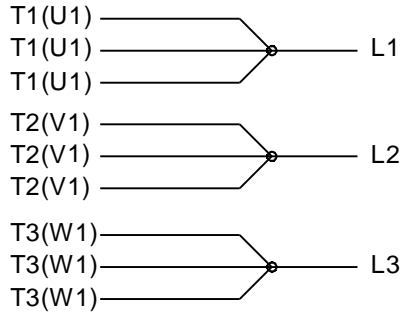
DRAWING REVISION C	REVISION BY CM	DATE 3-10-2014
ECO ECO-0047108	APPROVED BY DJK	DATE 3-10-2014
ECO DESCRIPTION UPDATED DRAWING - NMR-0053354		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP			
EDGES: .003/.015 [.076/.381]			
CORNER FILLETS: .02 [.51]			
MACHINED SURFACES: $\frac{125}{\text{INCH}} \sqrt{\text{mm}}$ 3.2			
mm SHOWN IN [BRACKETS]			

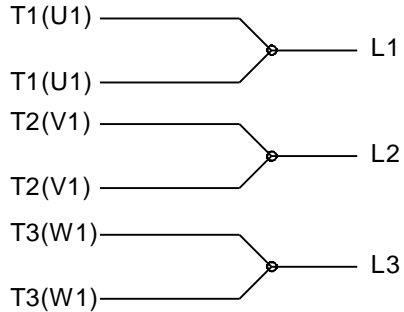
DRAWN BY KL	DATE 06-12-1996
APPROVED BY JL	DATE 06-12-1996
PROCESS/FINISH	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.	
DESCRIPTION OUTLINE 447-449TS FR. - STD.	
MATERIAL	
SIZE B	DRAWING NUMBER SS515643
SHEET 1 OF 1	

IF MOTOR HAS 9 LEADS



IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS



VIEW OF TERMINAL END

DRAWING REVISION L	REVISION BY AJW	DATE 05-04-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DRAWN BY DRS	Regal Beloit America, Inc.																					
ECO ECO-0077067	APPROVED BY EWH	DATE 05-05-2015	<table style="font-size: small; border-collapse: collapse;"> <tr> <td><u>DEC.</u></td> <td><u>INCH</u></td> <td><u>mm</u></td> <td><u>ANGLE</u></td> </tr> <tr> <td>.X</td> <td>±0.1</td> <td>[±2.5]</td> <td>±7' 30"</td> </tr> <tr> <td>.XX</td> <td>±0.02</td> <td>[±0.51]</td> <td></td> </tr> <tr> <td>.XXX</td> <td>±0.005</td> <td>[±0.127]</td> <td></td> </tr> <tr> <td>.XXXX</td> <td>±0.0005</td> <td>[±0.0127]</td> <td></td> </tr> </table>	<u>DEC.</u>			<u>INCH</u>	<u>mm</u>	<u>ANGLE</u>	.X	±0.1	[±2.5]	±7' 30"	.XX	±0.02	[±0.51]		.XXX	±0.005	[±0.127]		.XXXX	±0.0005	[±0.0127]		DATE 09-27-1996
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.XXXX	±0.0005	[±0.0127]																								
ECO DESCRIPTION UPDATED TO SOLIDWORKS			APPROVED BY GK	DATE 09-30-1996	MATERIAL	PROCESS/FINISH																				
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			mm SHOWN IN [BRACKETS]	THIRD ANGLE PROJECTION																						

