

PRODUCT INFORMATION PACKET

Model No: 449THFS8037
Catalog No: Y580
300,1800,TEFC,449T,3/60/460
2000:1 With Encoder Provision



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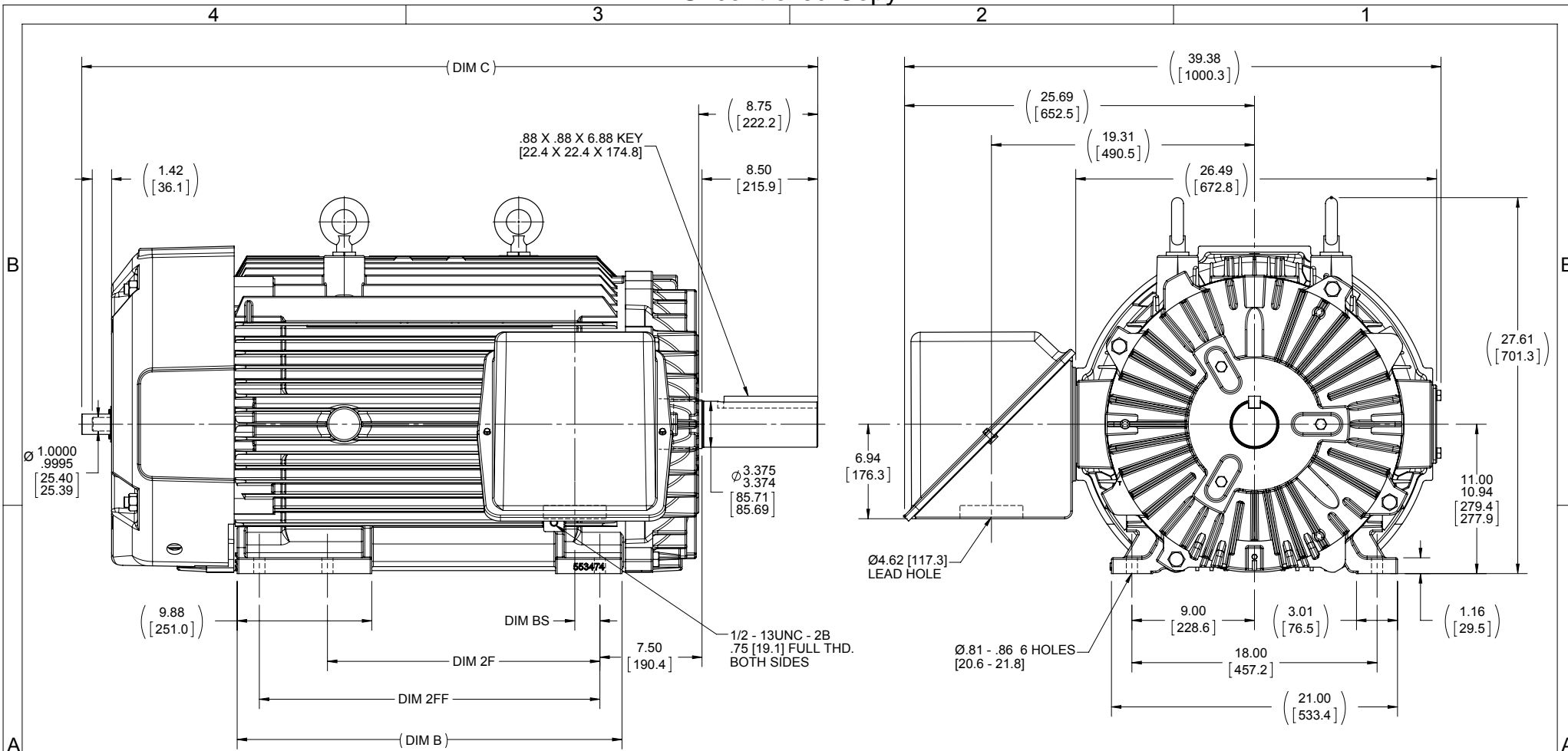
Nameplate Specifications

Output HP	300 Hp	Output KW	224 kW
Frequency	60 Hz	Voltage	460 V
Current	330 A	Speed	1788 rpm
Service Factor	1	Phase	3
Efficiency	95.4 %	Duty	CONTINUOUS
Insulation Class	H	Design Code	INV
KVA Code	J	Frame	447/449T
Enclosure	TEFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6319
Opp Drive End Bearing Size	6318	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	SQ CAGE INV DUTY	Starting Method	INVERTER ONLY
Poles	4	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	CAST IRON	Shaft Type	T
Overall Length	54.03 in	Frame Length	28.75 in
Shaft Diameter	3.38 in	Shaft Extension	8.75 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS555991-2875	Connection Diagram	A-EE7300T

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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.

NOTE: THIS MOTOR HAS PROVISION FOR HS35 ENCODER

DASH	FRAME	DIM B	DIM C	DIM 2F	DIM 2FF	DIM BS
2875	447T	28.25 [717.6]	54.03 [1372.4]	20.00 [508.0]	NA	1.84 [46.7]
2875	449T	28.25 [717.6]	54.03 [1372.4]	NA	25.00 [635.0]	1.84 [46.7]

DRAWING REVISION A	REVISION BY W. JOERGER	DATE 12-19-2013
ECO ECO-0043627	APPROVED BY E. HEIL	DATE 12-19-2013
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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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 [51]			
MACHINED SURFACES: 200 INCH 5.1 mm			
mm SHOWN IN [BRACKETS]			

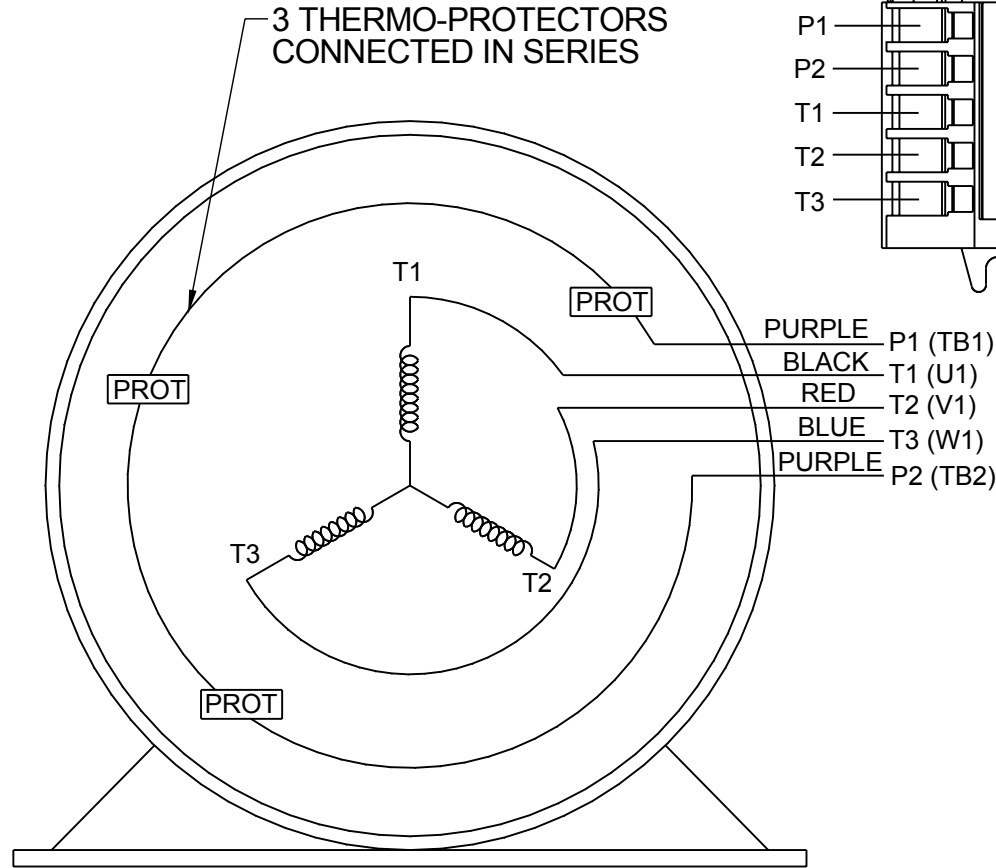
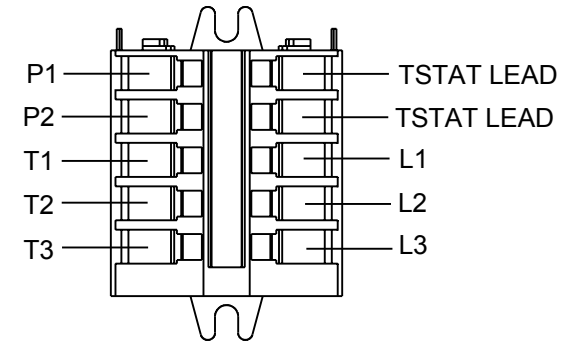
DRAWN BY W. JOERGER	Regal Beloit America, Inc.
DATE 12-19-2013	
APPROVED BY E. HEIL	DESCRIPTION OUTLINE TEFC - 447/449T FR.
DATE 12-19-2013	MATERIAL
PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B
	DRAWING NUMBER SS555991
	SHEET 1 OF 1

**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS**

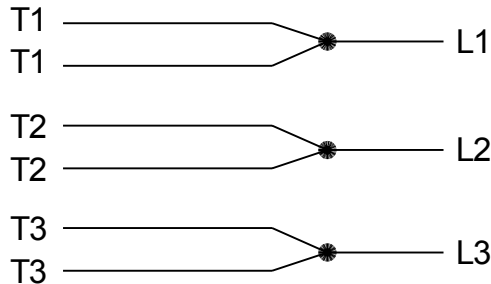
**NOTE FOR FACTORY USE ONLY:
TO SURGE TEST:
FOR 3 LEAD COMMON CONNECT:
CONNECT P1 TO T1 THEN P2 TO L1
FOR 6 LEAD COMMON CONNECT:
CONNECT P1 TO BOTH T1
THEN P2 TO L1**

TERMINAL BLOCK WHEN SPECIFIED



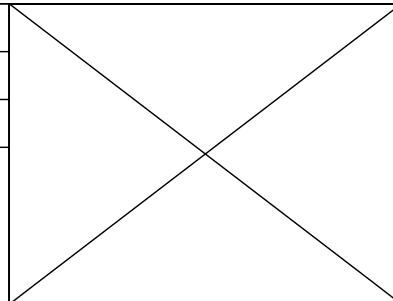
- T2BM
- T6AW
- T6AL
- T6Z
- T4EG
- T4BF
- T8A
- T6H
- T6A
- T4AX
- T4A
- T2A
- T2F

**IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S**



A-9806 DECAL

DRAWING REVISION AB	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T.VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC-60034-8		
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DRAWN BY LZ	Regal Beloit America, Inc.
DATE 01-04-1994	
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-SINGLE VOLT-MOTOR WITH PROTECTOR
DATE 01-20-1994	MATERIAL
REFERENCE	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE A
DRAWING NUMBER EE7300T	
SHEET 1 OF 1	

NONE	NONE		
NONE FT-LB	NONE V	NONE Hz	

DATE: 06/21/2017 06:38:32 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

