

PRODUCT INFORMATION PACKET



Model No: 445THFN18332
Catalog No: 445THFN18332
85,1500,TEFC,445T,3/50/400

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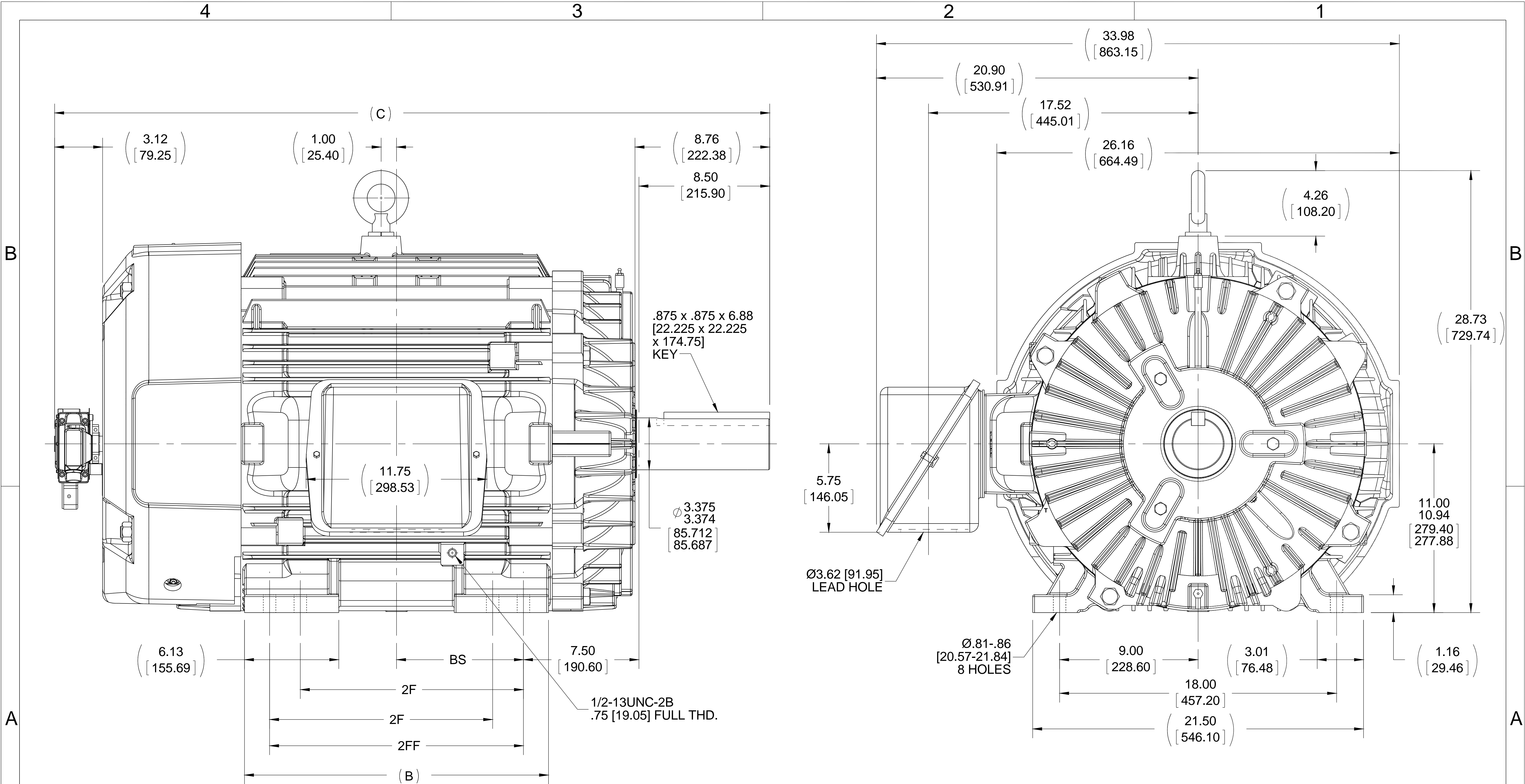
Nameplate Specifications

Phase	3	Output HP	85 Hp
Output KW	63.0 kW	Voltage	400 V
Speed	1490 rpm	Service Factor	1
Frame	445T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	94.1 %
Ambient Temperature	40 °C	Frequency	50 Hz
Current	110.0 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	INV	KVA Code	K
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6316
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.035 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS557081-2025	Connection Drawing	A-EE7300S

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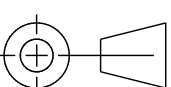


- NOTES:
- 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 - 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 - 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.
 - 4. DIMENSION IN [] DESIGNATE MILLIMETERS.

DASH	FRAME	B	C	2F	2FF	BS
2025	444/445T	19.75 [501.65]	46.47 [1180.34]	14.50 [368.30]	16.50 [419.10]	8.25 [209.55]

DRAWING REVISION	REVISION BY	DATE
A		
ECO	APPROVED BY	DATE
ECO-0110242		
ECO DESCRIPTION		
NEW DRAWING		
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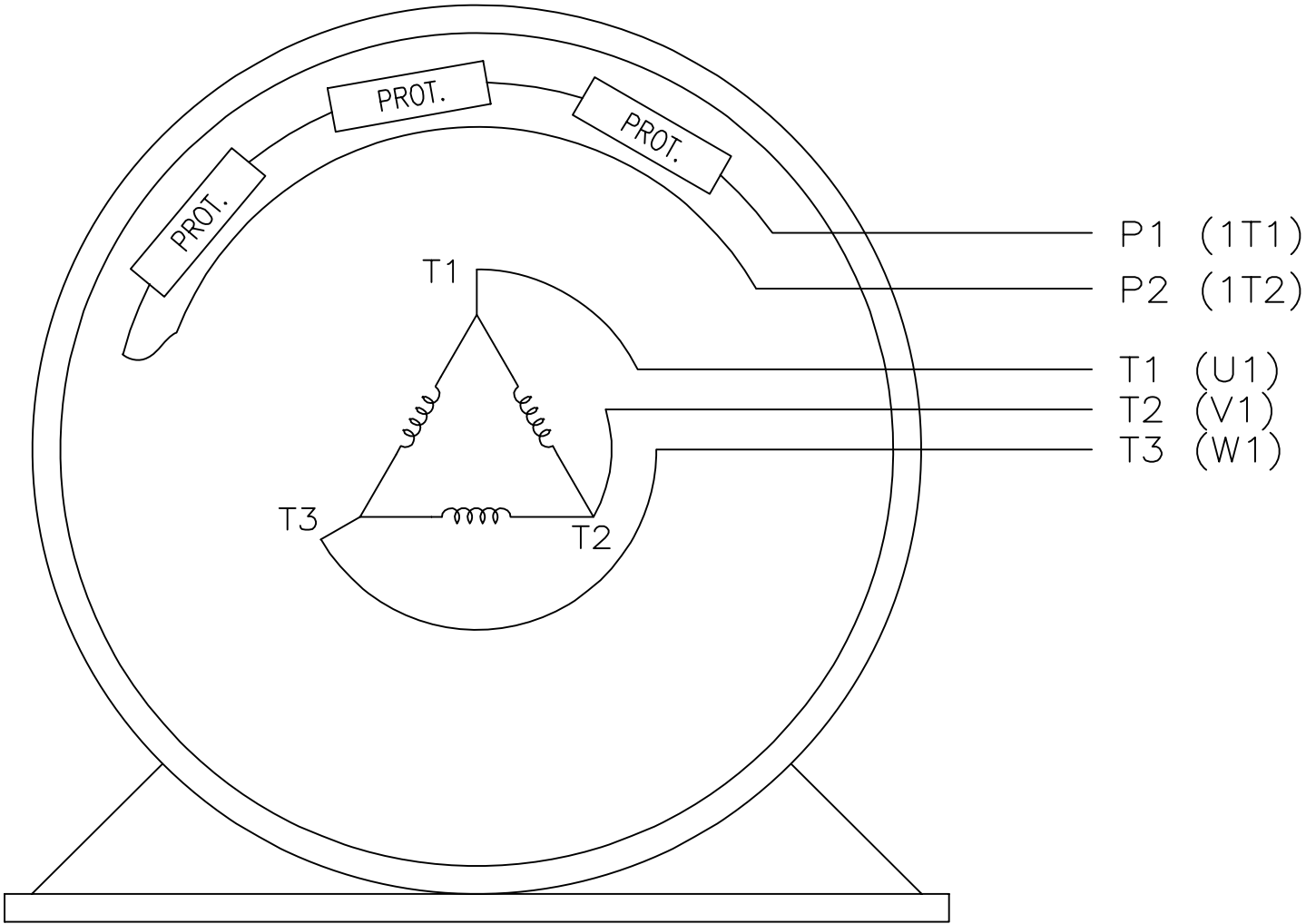
TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30"
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°			
CORNER FILLETS: R.02 [51]			
MACHINED SURFACES: 200			
mm SHOWN IN [BRACKETS]			

DRAWN BY JJB		 Regal Beloit America, Inc.		
DATE 09-13-2016				
APPROVED BY TDB		DESCRIPTION OUTLINE 440T FR - TEFC - HS45 ENCODER		
DATE 09-28-2016				
REFERENCE				
		MATERIAL	PROCESS/FINISH	
<div>THIRD ANGLE PROJECTION</div> 	SIZE	DRAWING NUMBER		SHEET
	B	SS557081		1 OF 1

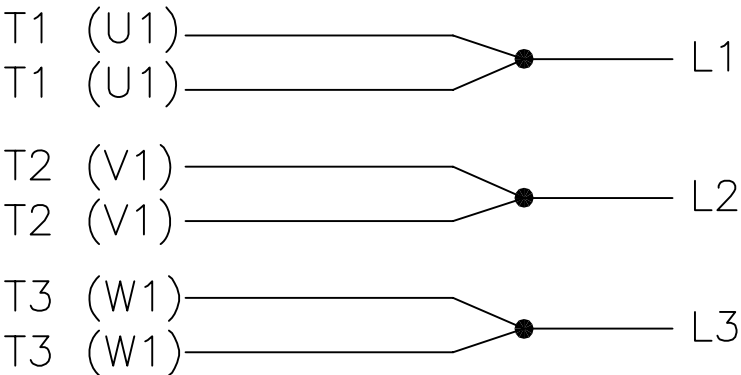
EE7300S

THREE PHASE – SINGLE VOLTAGE MOTOR

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS




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



A-9806 DECAL

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN KL 12-15-1999				
				DEC.	INCHES		CHK DJK 12-15-1999				
F	UPDATED TITLE BLOCK	HV 02-27-2014	EWB	.X	± -		APPD DJK 12-15-1999				
3	REMOVED "N.C." FROM PROT.'S MU61770	JJB 08-02-2010		.XX	± -	TITLE CONNECTION DIAGRAM – EXTERNAL SINGLE VOLTAGE 3Ø MOTOR	SCALE 1=1				
2	ADDED IEC MARKINGS MU61770	KL 09-16-2004	EAB	.XXX	± -		REF				
1	NEW DRAWING	KL 12-16-1999		.XXXX	± -	MAT'L.	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	± -	FINISH	PREV				
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			DIST WA-LB-SB								