

# PRODUCT INFORMATION PACKET

Model No: 145THTN6046  
Catalog No: Y551  
2,1800,TENV,145TC,3/60/230/460  
1000:1 Speed Ratio



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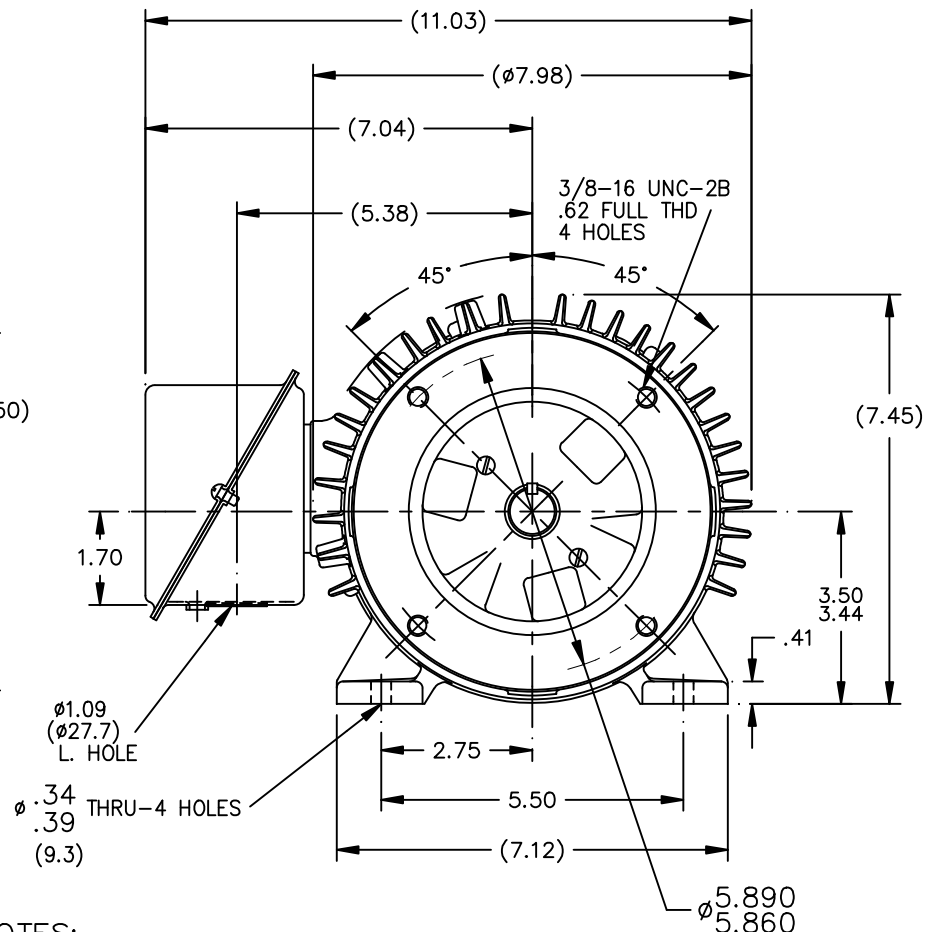
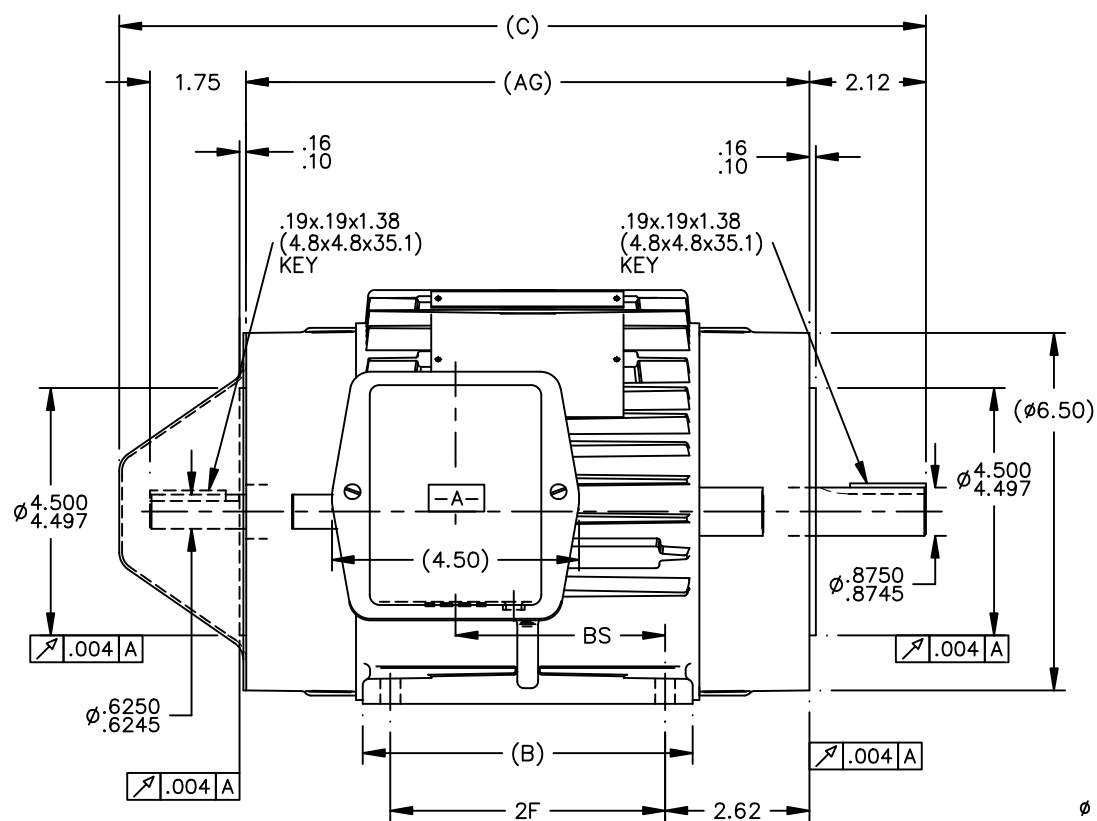
### Nameplate Specifications

Output HP	<b>2 Hp</b>	Output KW	<b>1.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>6.0/3.0 A</b>	Speed	<b>1750 rpm</b>
Service Factor	<b>1</b>	Phase	<b>3</b>
Efficiency	<b>85.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>INV</b>
KVA Code	<b>M</b>	Frame	<b>145TC</b>
Enclosure	<b>Totally Enclosed Non Ventilated</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6205</b>
Opp Drive End Bearing Size	<b>6205</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Duty</b>	Starting Method	<b>Inverter Only</b>
Poles	<b>4</b>	Rotation	<b>Reversible</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>T</b>
Overall Length	<b>14.68 in</b>	Frame Length	<b>6.25 in</b>
Shaft Diameter	<b>0.875 in</b>	Shaft Extension	<b>2.12 in</b>
Assembly/Box Mounting	<b>F1/F2 Capable</b>		
Outline Drawing	<b>A-104122-625</b>	Connection Diagram	<b>A-EE7308T</b>

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NOTES:

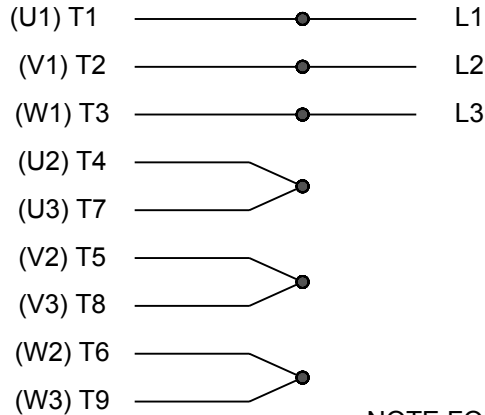
- 1- BOX CAN BE ROTATED IN 90° STEPS.
- 2- BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
- 3- NAMEPLATE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FR.	B	C	BS	2F	AG
525	143T	5.00 {127.0}	13.68 {347.5}	2.81 {71.4}	4.00 {101.6}	9.25 {235.0}
625	145T	6.00 {152.4}	14.68 {372.9}	3.81 {96.8}	5.00 {127.0}	10.25 {260.4}

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
3	RELOCATED BRG LOCK SCREWS CN 24300-450	DRS 09-25-2002	ML	.X	±.1
2	REVISED TO SHOW REAR BRACKET ROTATED CORRECTLY CN 25600-241	MRB 06-18-1998		.XX	±.03
1	NEW DRAWING 4377719	BLR 05-09-1996		.XXX	±.005
				.XXXX	±.0005
				ANG	±7'30"

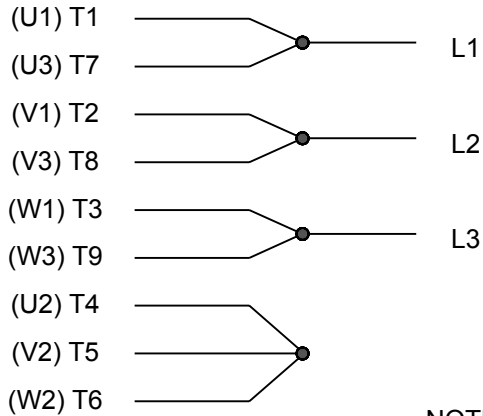
		DRAWN BLR 05-06-1996	
		CHK ML 05-07-1996	APPD TG 05-09-1996
TITLE OUTLINE		SCALE 1=3.5	
140T FR. - BB - TS - TENV		REF	
MAT'L.		FMF	
FINISH		PREV	
RFP	CAD FILE 104122	SIZE A	DRAWING NO. 104122
DIST WP		PAGE	OF 3

## HIGH VOLTAGE



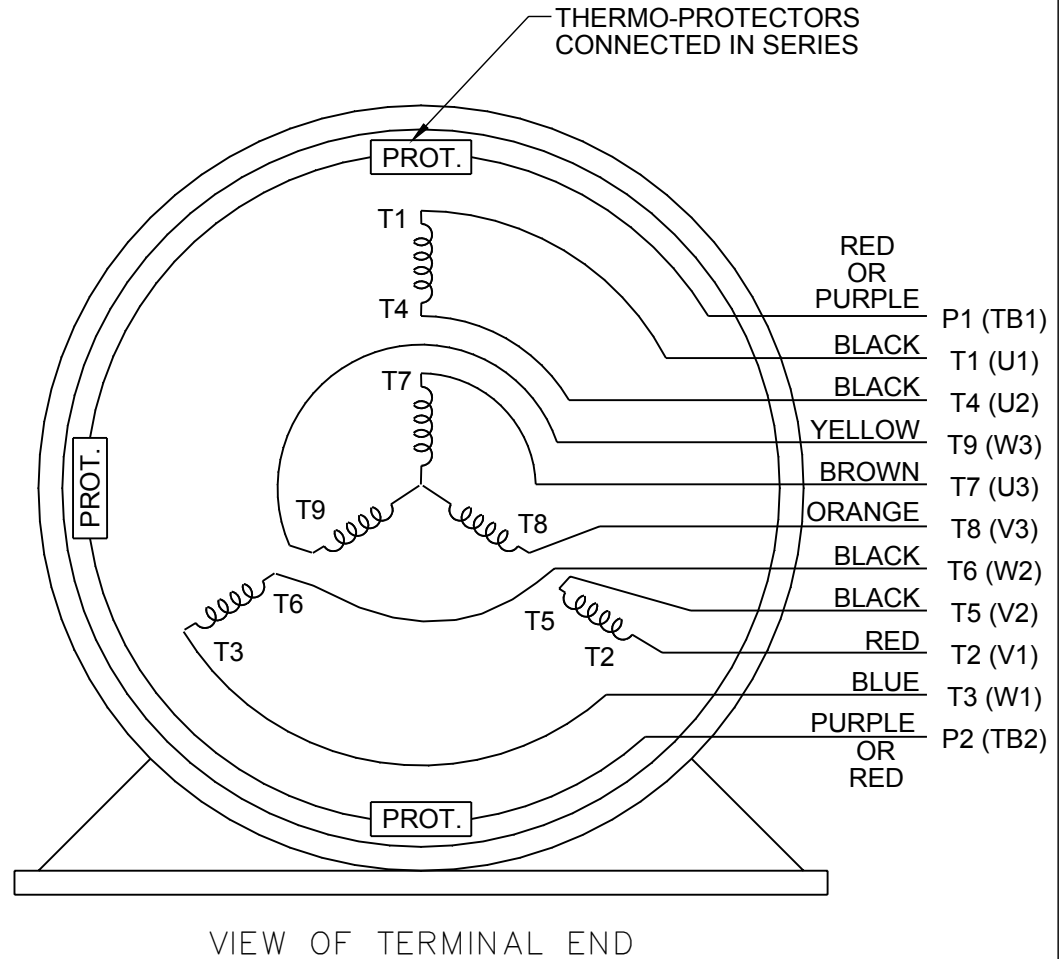
**NOTE FOR FACTORY USE ONLY:  
 TO SURGE TEST FOR COMMON CONNECT:  
 HIGH VOLT: CONNECT P1 TO T1  
 THEN P2 TO L1  
 LOW VOLT: CONNECT P1 TO T1 & T7,  
 THEN P2 TO L1**

## LOW VOLTAGE



**NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT**

## THREE PHASE DUAL VOLTAGE MOTOR



DRAWING REVISION <b>R</b>	REVISION BY <b>AJW</b>	DATE <b>07-17-2015</b>		DRAWN BY <b>SMC</b>	<b>Regal Beloit America, Inc.</b>
ECO <b>ECO-0081632</b>	APPROVED BY <b>T. VUE</b>	DATE <b>07-17-2015</b>		DATE <b>05-13-1992</b>	
ECO DESCRIPTION <b>REV'D IEC NOTATIONS PER IEC 60034-8</b>				APPROVED BY <b>TB</b>	DESCRIPTION <b>CONN DIAGRAM-INTERNAL</b>
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			REFERENCE <b>EE7308/EE7300</b>	MATERIAL	PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE <b>A</b>	DRAWING NUMBER <b>EE7308T</b>



NONE	P/N	NONE	
NONE	NONE		
NONE FT-LB	NONE V	NONE Hz	

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FORM 3531 REV.3 02/07/99  
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