

# PRODUCT INFORMATION PACKET



Model No: TO172

Catalog No: TO172

75 HP General Purpose Motor, 3 phase, 1800 RPM, 208-230/460 V, 365TS Frame, ODP  
General Purpose Motors



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### Nameplate Specifications

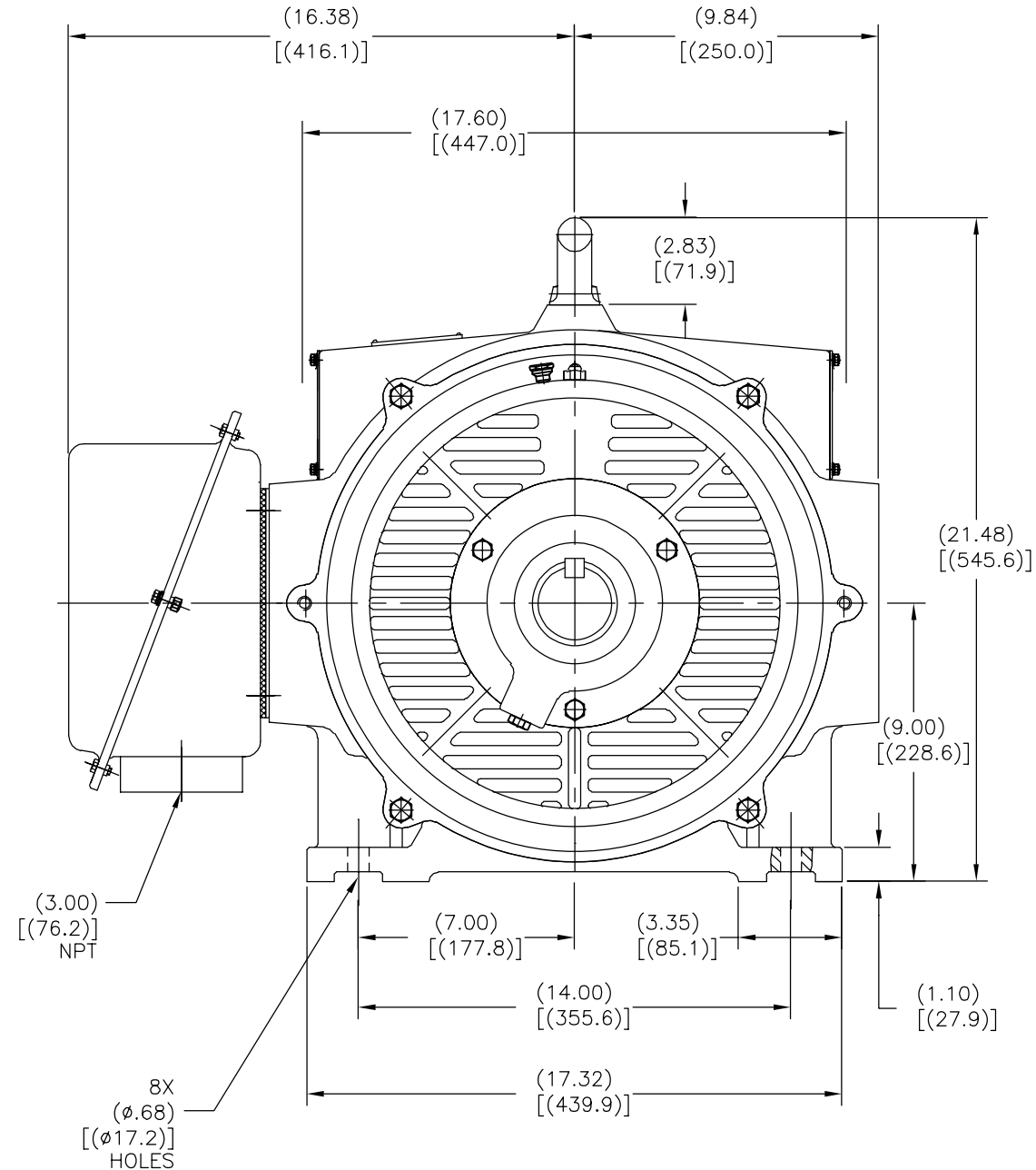
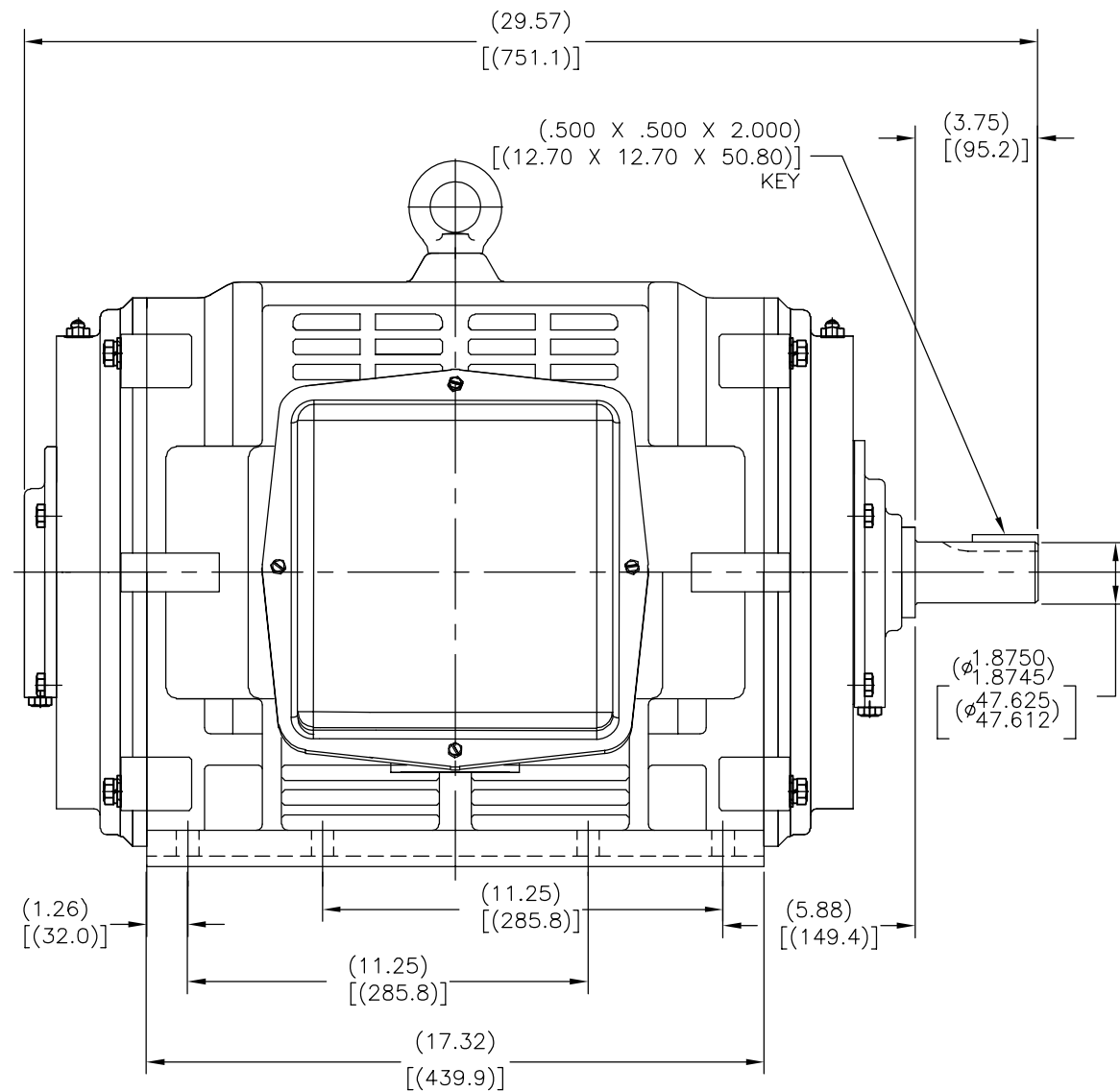
|                    |              |                     |               |
|--------------------|--------------|---------------------|---------------|
| Output HP          | 75 Hp        | Output KW           | 56.0 kW       |
| Frequency          | 60 Hz        | Voltage             | 208-230/460 V |
| Current            | 194-174/87 A | Speed               | 1785 rpm      |
| Service Factor     | 1.15         | Phase               | 3             |
| Duty               | Continuous   | Insulation Class    | F             |
| Frame              | 365TS        | Enclosure           | Drip Proof    |
| Thermal Protection | None         | Ambient Temperature | 40 °C         |
| UL                 | Recognized   | CSA                 | Y             |
| CE                 | Y            | Number of Speeds    | 1             |

### Technical Specifications

|                       |            |                    |                 |
|-----------------------|------------|--------------------|-----------------|
| Electrical Type       | POLYPHASE  | Starting Method    | Across The Line |
| Poles                 | 4          | Rotation           | Reversible      |
| Mounting              | Rigid Base | Drive End Bearing  | Ball            |
| Opp Drive End Bearing | Ball       | Frame Material     | Cast Iron       |
| Shaft Type            | Keyed      | Overall Length     | 29.57 in        |
| Frame Length          | 18.89 in   | Shaft Diameter     | 1.875 in        |
| Shaft Extension       | 3.75 in    |                    |                 |
| Outline Drawing       | TO172-S01  | Connection Drawing | A-EE7308AA      |

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| REV | ECO         | REV BY    | DATE       | APPD      | DATE       |
|-----|-------------|-----------|------------|-----------|------------|
| A   | ECO-0026179 | M. SWIGER | 05-29-2012 | D. JAMORA | 05-29-2012 |



GEOMETRIC CHARACTERISTICS & SYMBOLS  
□ FLATNESS  
— STRAIGHTNESS  
∠ ANGULARITY  
⊥ PERPENDICULARITY (SQUARENESS)  
// PARALLELISM  
○ ROUNDNESS (CIRCULARITY)  
⌀ CYLINDRICITY  
△ PROFILE OF ANY SURFACE  
∧ PROFILE OF ANY LINE  
↗ RUNOUT  
⊕ TRUE POSITION  
⊙ CONCENTRICITY  
≡ SYMMETRY

ASME Y14.5M 1994

UNLESS OTHERWISE SPECIFIED  
DIM. TOLERANCES ARE AS FOLLOWS:  
INCH X XX XXX XXXX  
mm ±0.1 ±0.02 ±0.005 ±0.0005  
mm ±0.5 ±0.13 ±0.013  
ANG. ±50 DEG  
REMOVE BURRS & BREAK SHARP EDGES:  
INCH .003-.015 mm 0.1-0.4  
CORNER FILLETS TO:  
INCH .020 mm 0.5  
MACHINE SURFACES:  
INCH 125 mm 3.2  
METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:

M. SWIGER

05-29-2012

APPD:

D. JAMORA

05-29-2012

THIRD ANGLE PROJECTION



EDS DATE 11-11-2011

FORMAT REV H

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REGAL-BELOIT CORPORATION

DESCRIPTION

MODEL-IHP  
OUTLINE

SIZE

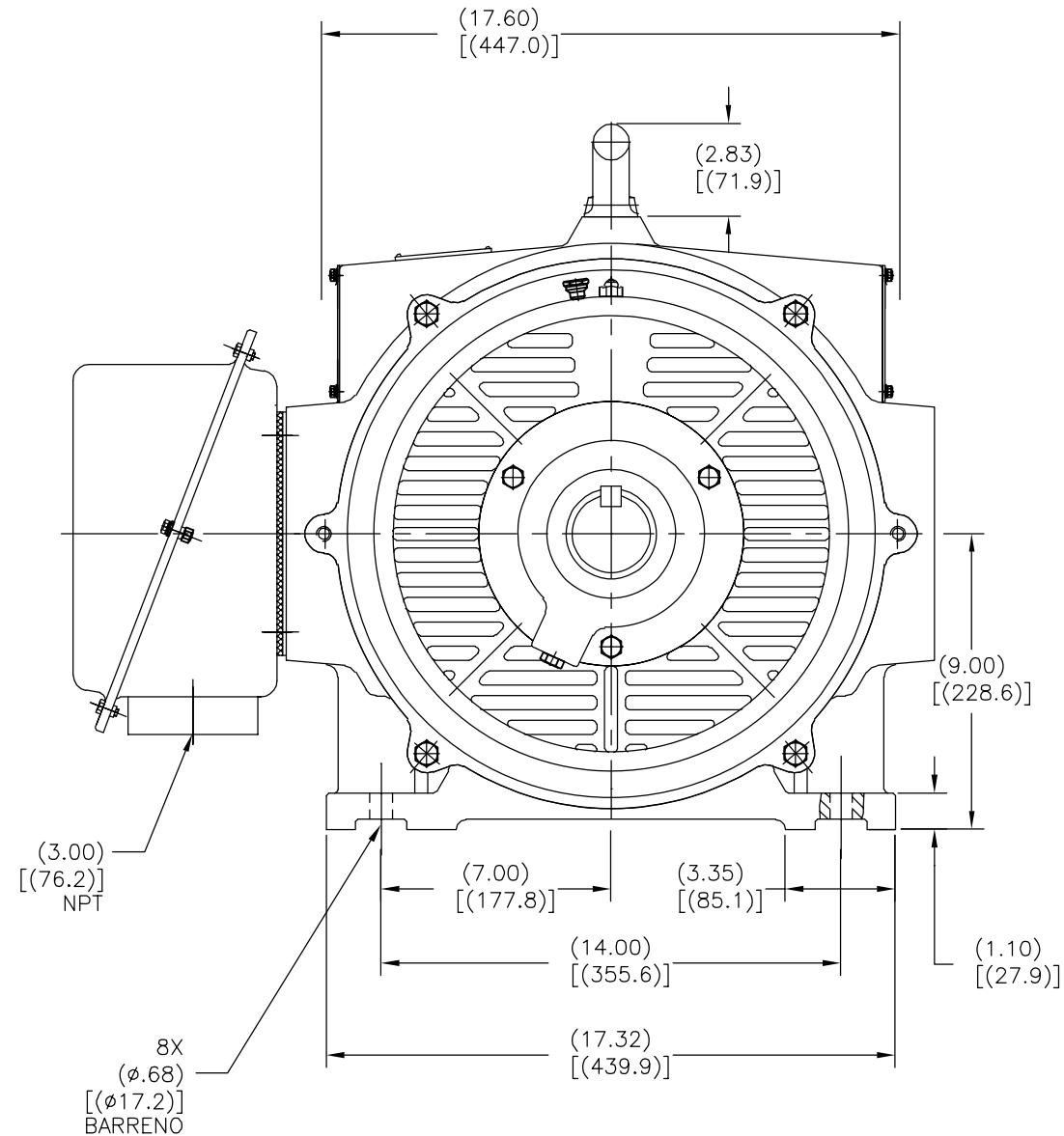
C

DWG NO

T0172

SCALE NONE

SHEET 1



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CARACTERÍSTICAS DE GEOMETRIA Y SIMBOLOS</p> <p> <input checked="" type="checkbox"/> PLANICIDAD<br/> <input type="checkbox"/> RECTITUD<br/> <input checked="" type="checkbox"/> ANGULARIDAD<br/> <input checked="" type="checkbox"/> PERPENDICULARIDAD (A ESCUADRA)<br/> <input checked="" type="checkbox"/> PARALELISMO<br/> <input checked="" type="checkbox"/> REDONDEZ (CIRCULARIDAD)<br/> <input checked="" type="checkbox"/> CILINDRICIDAD<br/> <input checked="" type="checkbox"/> PERFIL DE CUALQUIER SUPERFICIE<br/> <input checked="" type="checkbox"/> PERFIL DE CUALQUIER LINEA<br/> <input checked="" type="checkbox"/> VARIACION<br/> <input checked="" type="checkbox"/> POSICION REAL<br/> <input checked="" type="checkbox"/> CONCENTRICIDAD<br/> <input checked="" type="checkbox"/> SIMETRIA </p> <p>ASME Y14.5M 1994</p> | <p>A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS. SON LAS SIGUIENTES:</p> <p> PULG <math>\pm 1</math> <math>\pm 0.02</math> <math>\pm 0.005</math> <math>\pm 0.0005</math><br/> mm <math>\pm 0.5</math> <math>\pm 0.13</math> <math>\pm 0.013</math><br/> ANG. <math>\pm 50</math> GRADOS<br/> ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE.<br/> PULG .003-.015 mm 0.1-0.4<br/> FILETEAR ESQUINA: PULG .020 mm 0.5<br/> MAQUINAR SUPERFICIES<br/> PULG 125 mm 32 </p> <p>DIMS METRICAS MOSTRADAS [PARENTESIS]</p> | <p>DIBUJADO POR: M. SWIGER 05-29-2012</p> <p>APROBADO POR: D. JAMORA 05-29-2012</p> <p> TERCER ANGULO DE PROYECCION  FECHA EDS: 11-11-2011<br/> REV. FORMATO: H </p> <p>CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE REGAL-BELOIT CORPORATION. Y NO DEBERAN SER REVELADOS, DUBLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE REGAL-BELOIT CORPORATION. -TODOS LOS DERECHOS RESERVADOS.</p> | <div style="display: flex; align-items: center;">  <div> <p><b>REGAL-BELOIT CORPORATION</b></p> <p>DESCRIPCION: MODEL-IHP OUTLINE</p> <p>TAMAÑO: C NUMERO DE DIBUJO: T0172</p> <p>ESCALA: NONE HOJA: 1</p> </div> </div> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

4

3

2

1

|    |             |           |            |           |            |
|----|-------------|-----------|------------|-----------|------------|
| 版本 | ECO         | 编制        | 日期         | 批准        | 日期         |
| A  | ECO-0026179 | M. SWIGER | 05-29-2012 | D. JAMORA | 05-29-2012 |

D

D

C

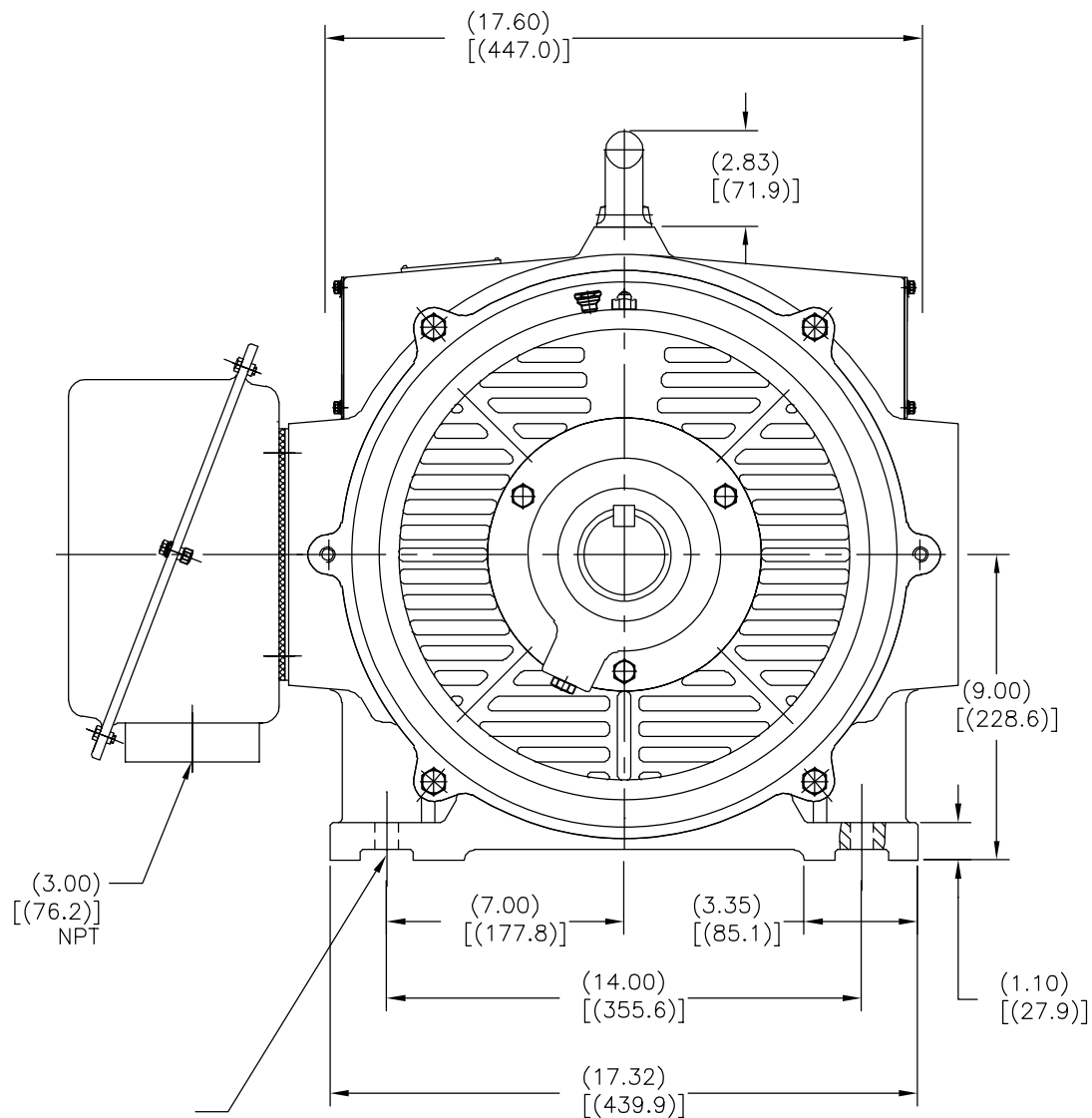
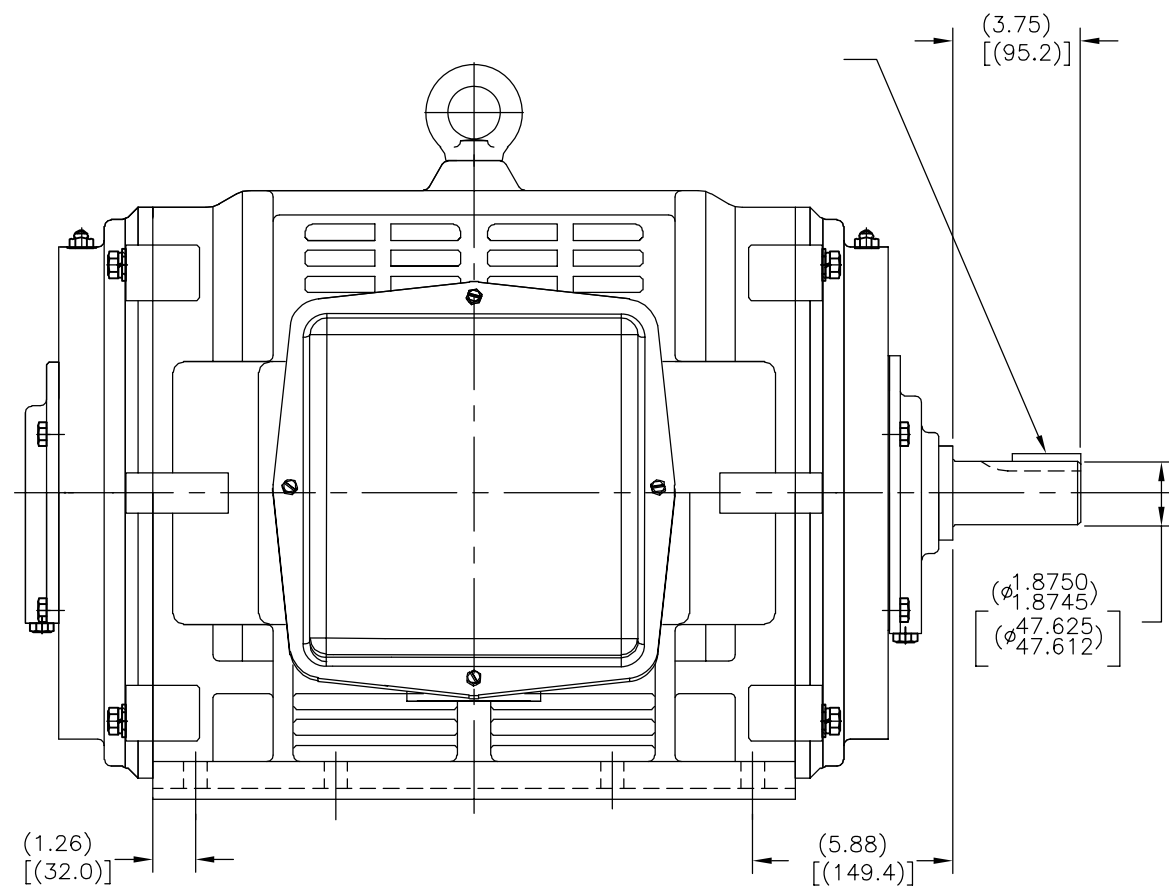
C

B

B

A

A



形位公差  
□ 平面度  
— 直线度  
∠ 倾斜度  
⊥ 垂直度  
// 平行度  
○ 圆度  
⊙ 圆柱度  
△ 面轮廓度  
⌒ 线轮廓度  
↗ 圆跳动  
⊕ 位置度  
⊗ 同轴度  
≡ 对称度

ASME Y14.5M 1994

除另有注明  
尺寸公差如下:  
英寸 X XX XXX XXXX  
毫米 ±.1 ±.02 ±.005 ±.0005  
角度 ±.50 度  
清理毛刺和尖棱  
英寸 .003-.015 毫米 0.1-0.4  
内圆角  
英寸 .020 毫米 0.5  
表面粗糙度  
英制 125 米制 3.2  
米制尺寸显示在 [ ]

绘图:

M. SWIGER

05-29-2012

批准:

D. JAMORA

05-29-2012

第三角投影



图纸格式发布日期 11-11-2011

图纸格式版本 H

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REGAL-BELOIT CORPORATION

名称

MODEL-IHP  
OUTLINE

图幅

C

图号

T0172

比例

NONE

页号

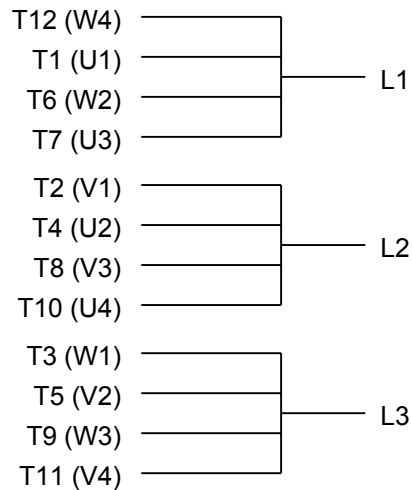
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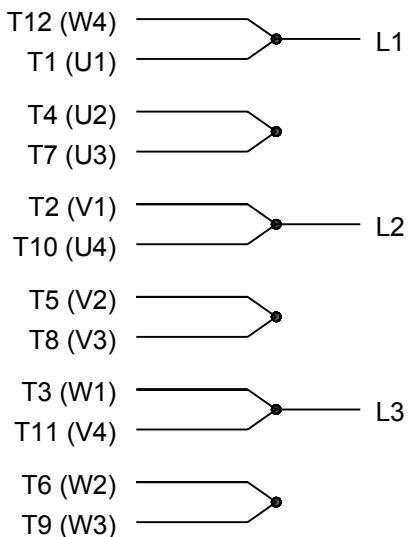
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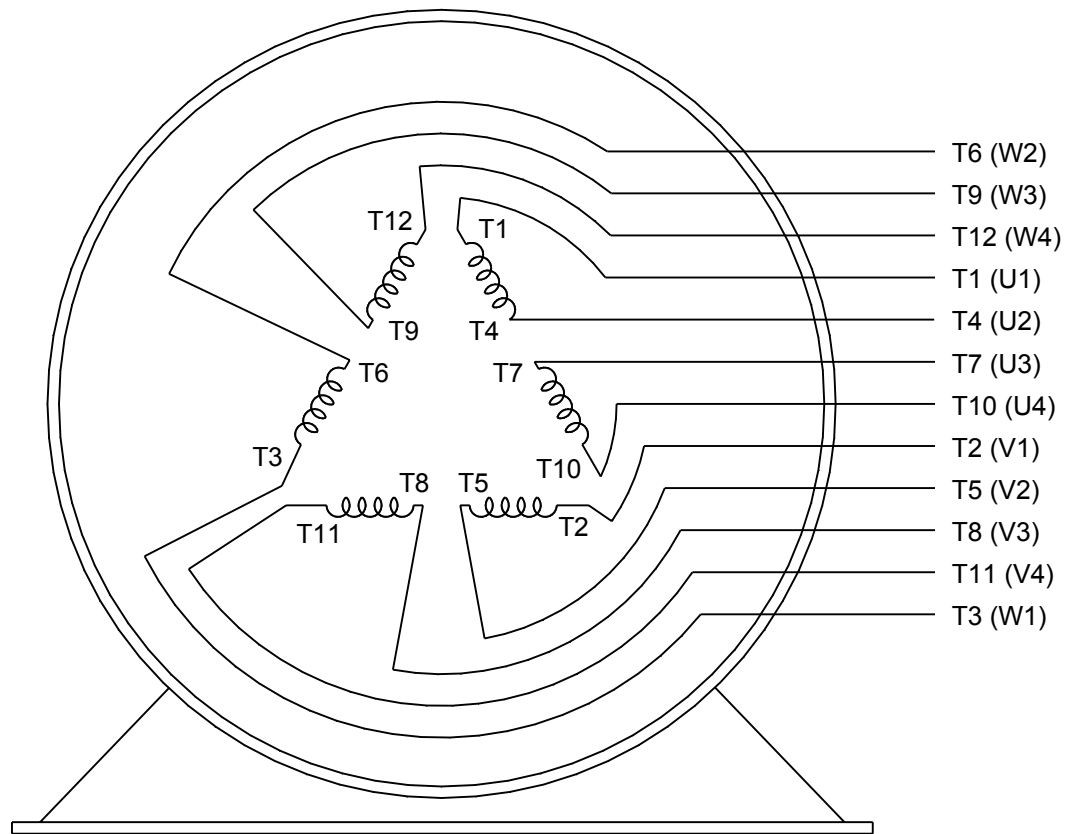
1



## LOW VOLTAGE



## HIGH VOLTAGE



## VIEW OF TERMINAL END

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| DRAWING REVISION<br>K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | REVISION BY<br>AJW    | DATE<br>07-17-2015 |
| ECO<br>ECO-0081632                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | APPROVED BY<br>T. VUE | DATE<br>07-17-2015 |
| ECO DESCRIPTION<br>REV'D IEC MARKINGS PER IEC 60034-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                    |
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|                   |                           |
|-------------------|---------------------------|
| DRAWN BY<br>LZ    | DATE<br>01-12-1994        |
| APPROVED BY<br>GK | DATE<br>01-14-1994        |
| REFERENCE         | THIRD ANGLE<br>PROJECTION |

|                                                                                                                  |                            |                 |
|------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------|
|  Regal Beloit America, Inc. |                            |                 |
| DESCRIPTION<br>CONN DIAGRAM-EXTERNAL<br>3Ø-2/1 DELTA-12 LEADS                                                    |                            |                 |
| MATERIAL                                                                                                         | PROCESS/FINISH             |                 |
| SIZE<br>A                                                                                                        | DRAWING NUMBER<br>EE7308AA | SHEET<br>1 OF 1 |