

# PRODUCT INFORMATION PACKET

Model No: R424M2

Catalog No: R424M2

Elevator Duty Motor, 40.0 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, S284T Frame, DP



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### Nameplate Specifications

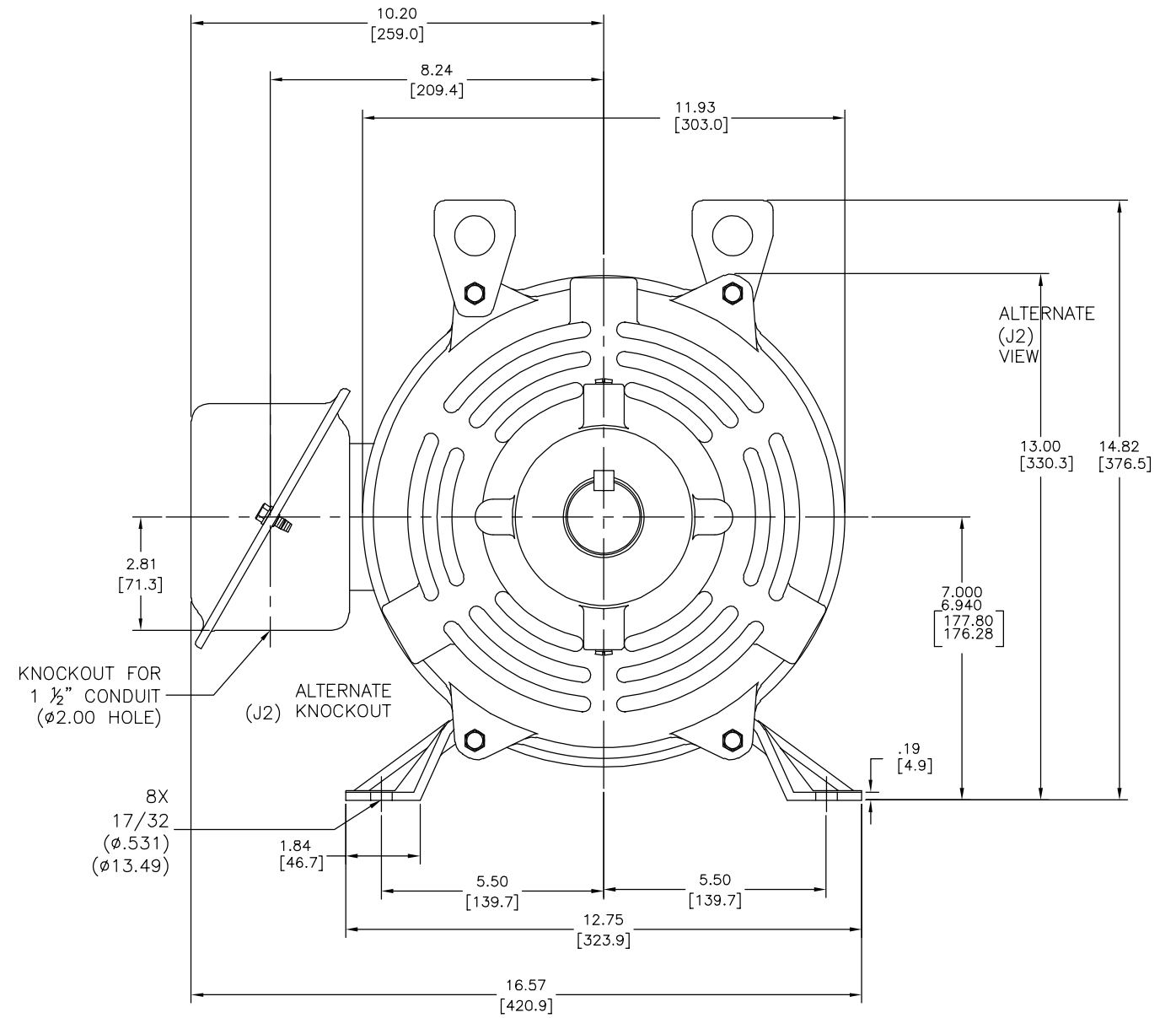
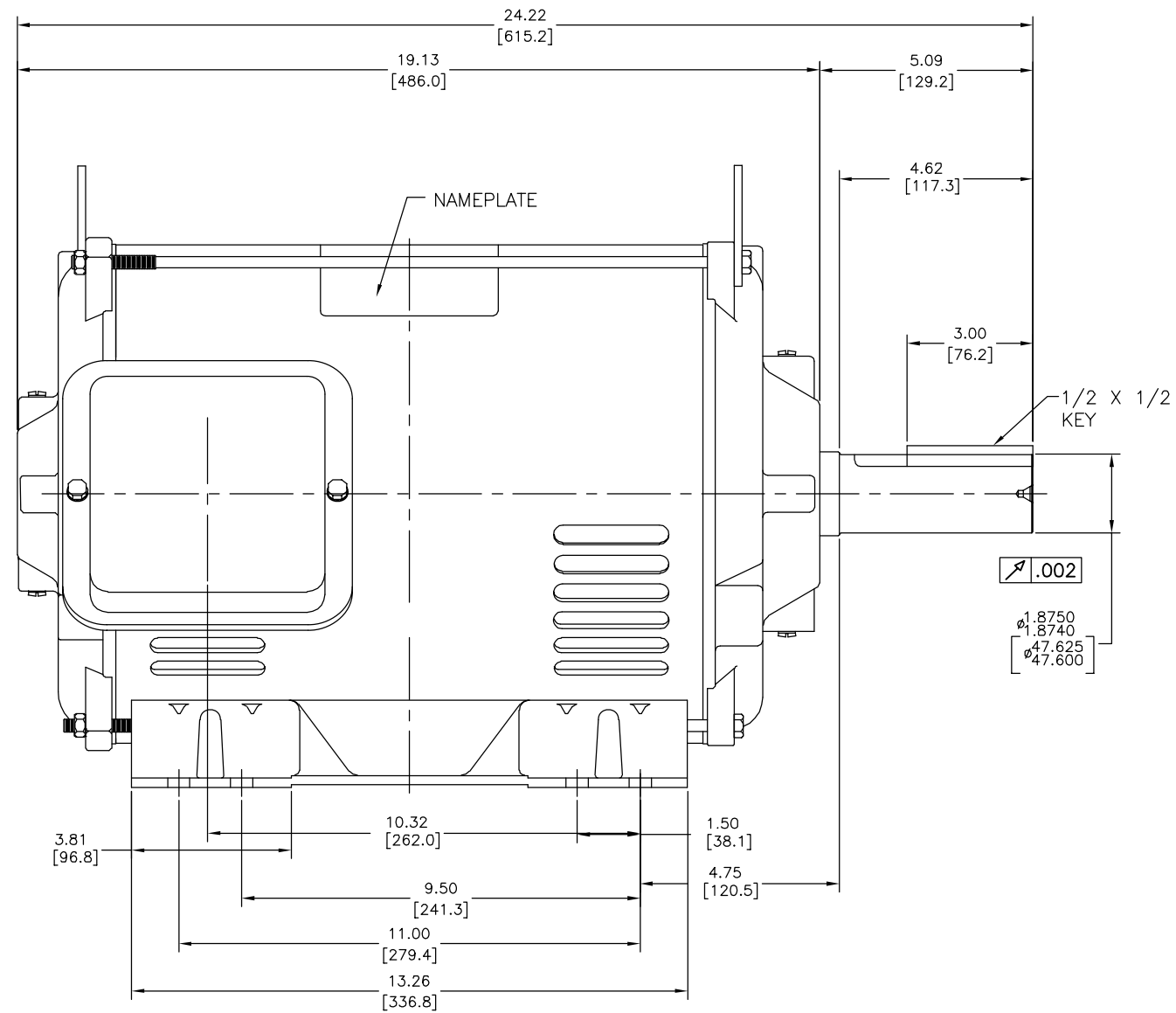
Output HP	40.0 Hp	Output KW	29.8 kW
Frequency	60 Hz	Voltage	230/460 V
Current	94/47 A	Speed	3520 rpm
Service Factor	1	Phase	3
Duty	30 Minute	Insulation Class	F
Frame	S284T	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

### Technical Specifications

Electrical Type	Three Phase	Starting Method	Across The Line
Poles	2	Rotation	Counterclockwise
Mounting	Rigid Base	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	24.22 in
Frame Length	14.00 in	Shaft Diameter	1.875 in
Shaft Extension	5.09 in		
Connection Drawing	80022815.PCX	Outline Drawing	R424M2-S01

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版本	ECO	编制	日期	批准	日期
B	0043650	A.ARREOLA	01-15-2014	M.AVILA	01-15-2014



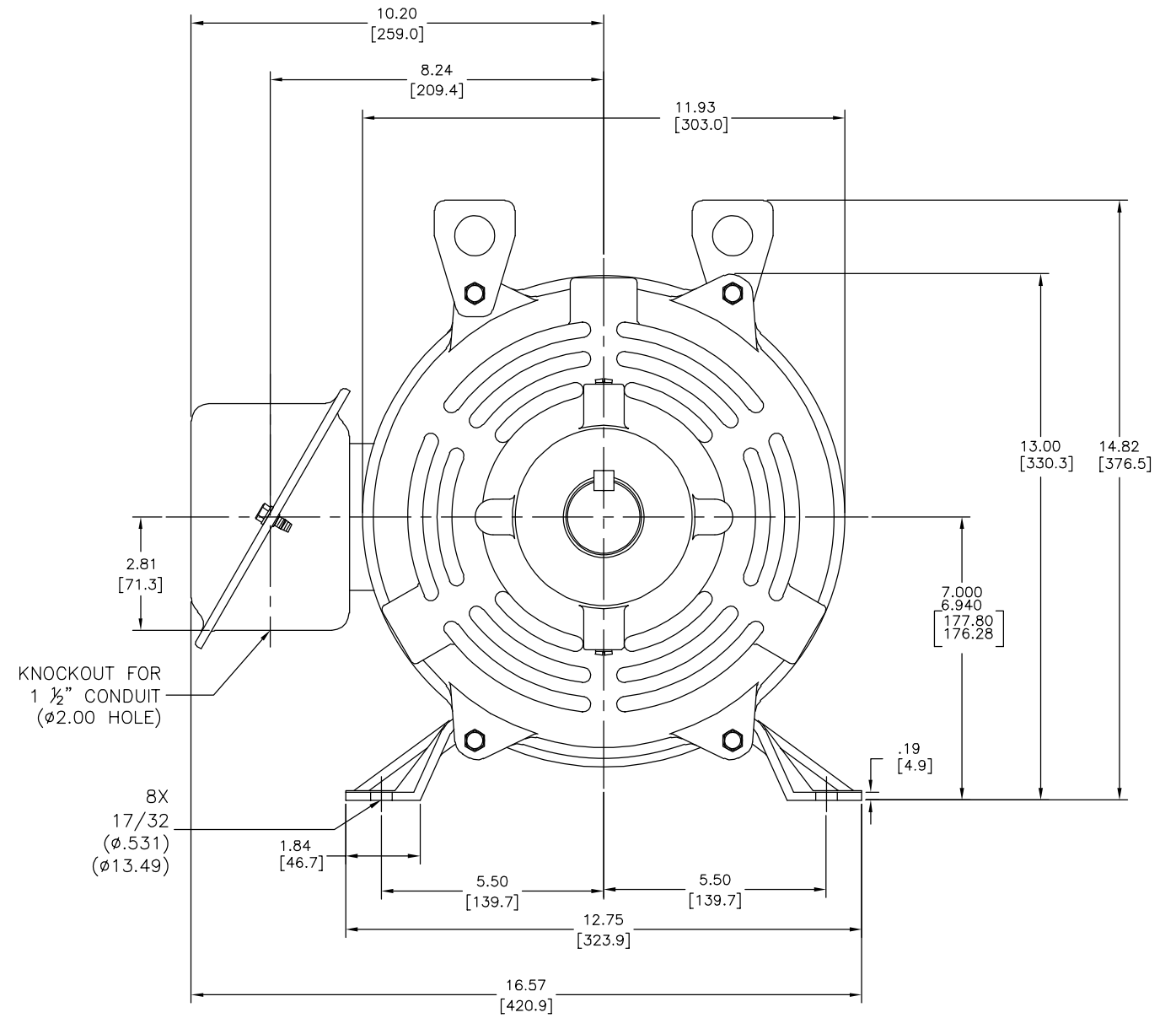
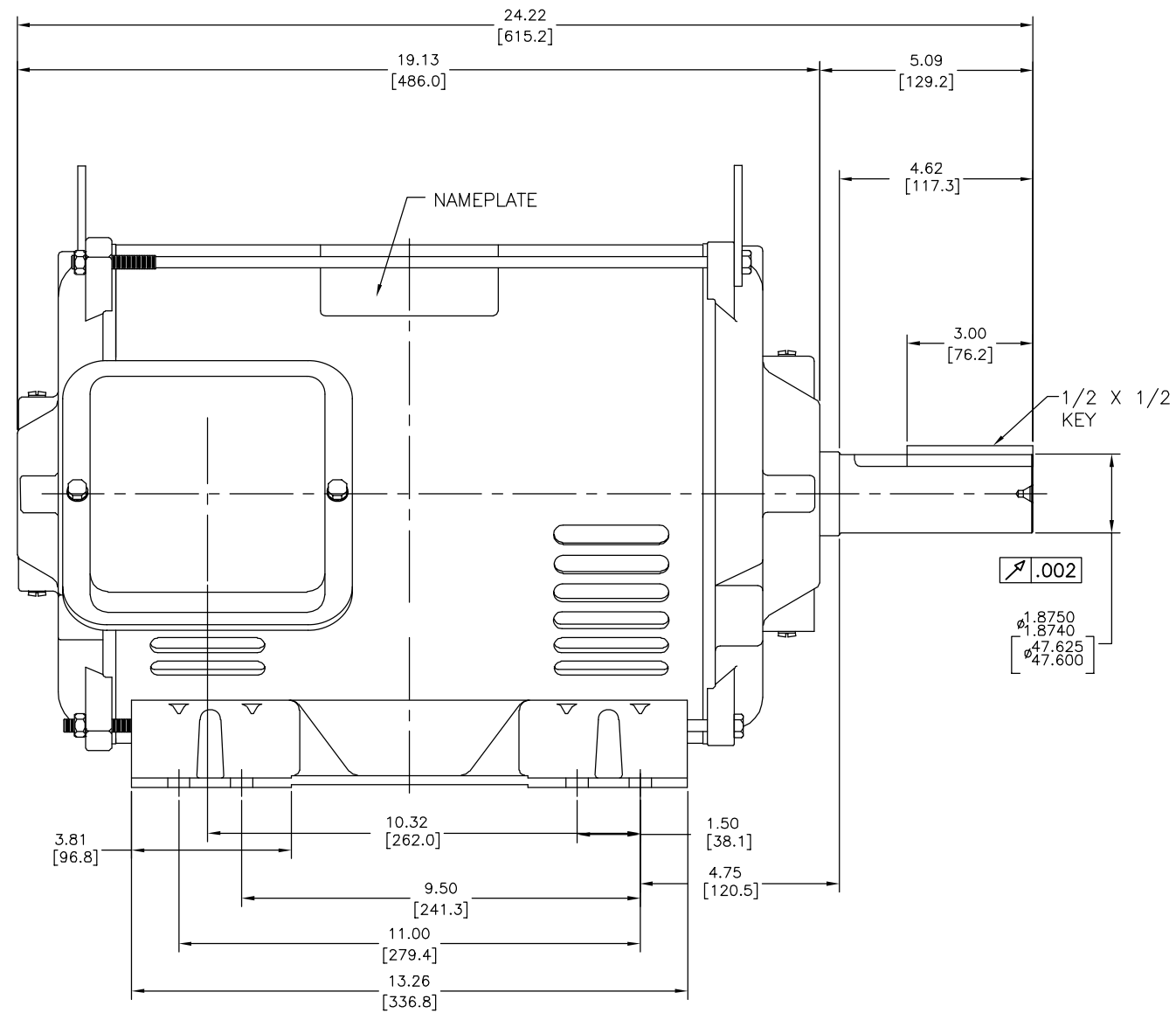
- NOTES:
1. CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS.
  2. MOTOR IS SUITABLE FOR FIELD CONVERSION FROM AN F1 TO AN F2 CONDUIT BOX LOCATION.
  3. MOTOR VENTILATION: AIR INTAKE THROUGH OPENINGS IN THE FACE OF EACH BRACKET AND EXHAUSTED THROUGH THE VENT SLOTS ON EACH END OF THE SHELL.

MOTOR DESCRIPTION:

3 PHASE OPEN DRIPPROOF STEEL SHELL 284T OR 286T MOUNTING. OTHER MOUNTING ORIENTATIONS ARE ACCEPTABLE; HOWEVER WHEN MOUNTED OTHER THAN HORIZONTAL; MOTOR WILL NOT BE DRIPPROOF AS DEFINED BY NEMA.

形位公差 □ 平面度 ⊥ 垂直度 ∠ 倾斜度 // 平行度 ○ 圆度 ⊙ 圆跳动 ⊕ 位置度 ⊖ 同轴度 ≡ 对称度	除另有注明 尺寸公差如下: 英寸 ±.1 ±.02 ±.005 ±.0005 毫米 ±0.5 ±0.13 ±0.013 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 J25 米制 3.2 米制尺寸显示在 [ ]	绘图: I.LOPEZ	11-20-2012	<b>REGAL-BELOIT CORPORATION</b>
		批准: D.JAMORA	11-20-2012	
第三角投影		图框格式发布日期 11-11-2011 图框格式版本 H		MODEL-IHP OUTLINE
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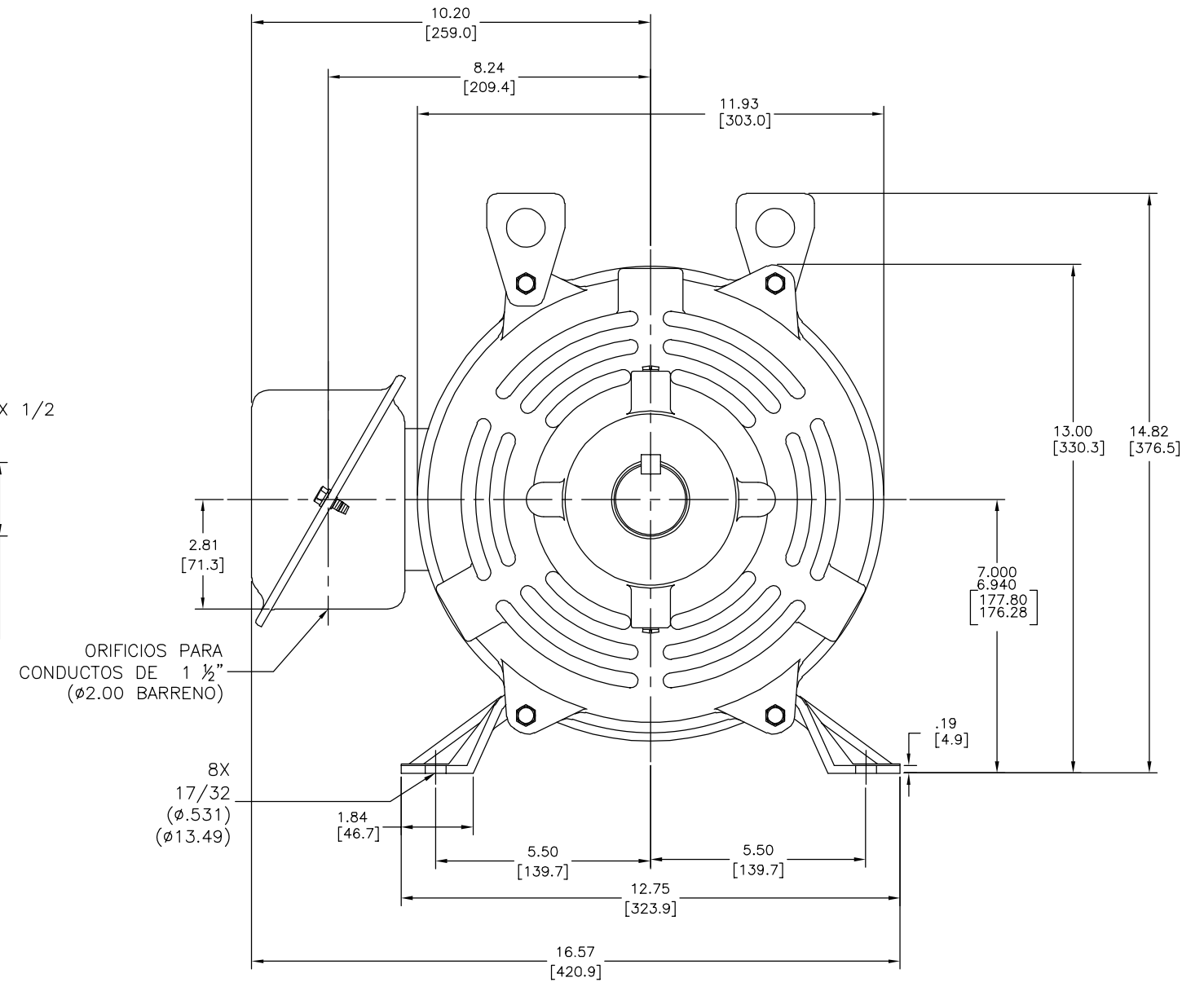
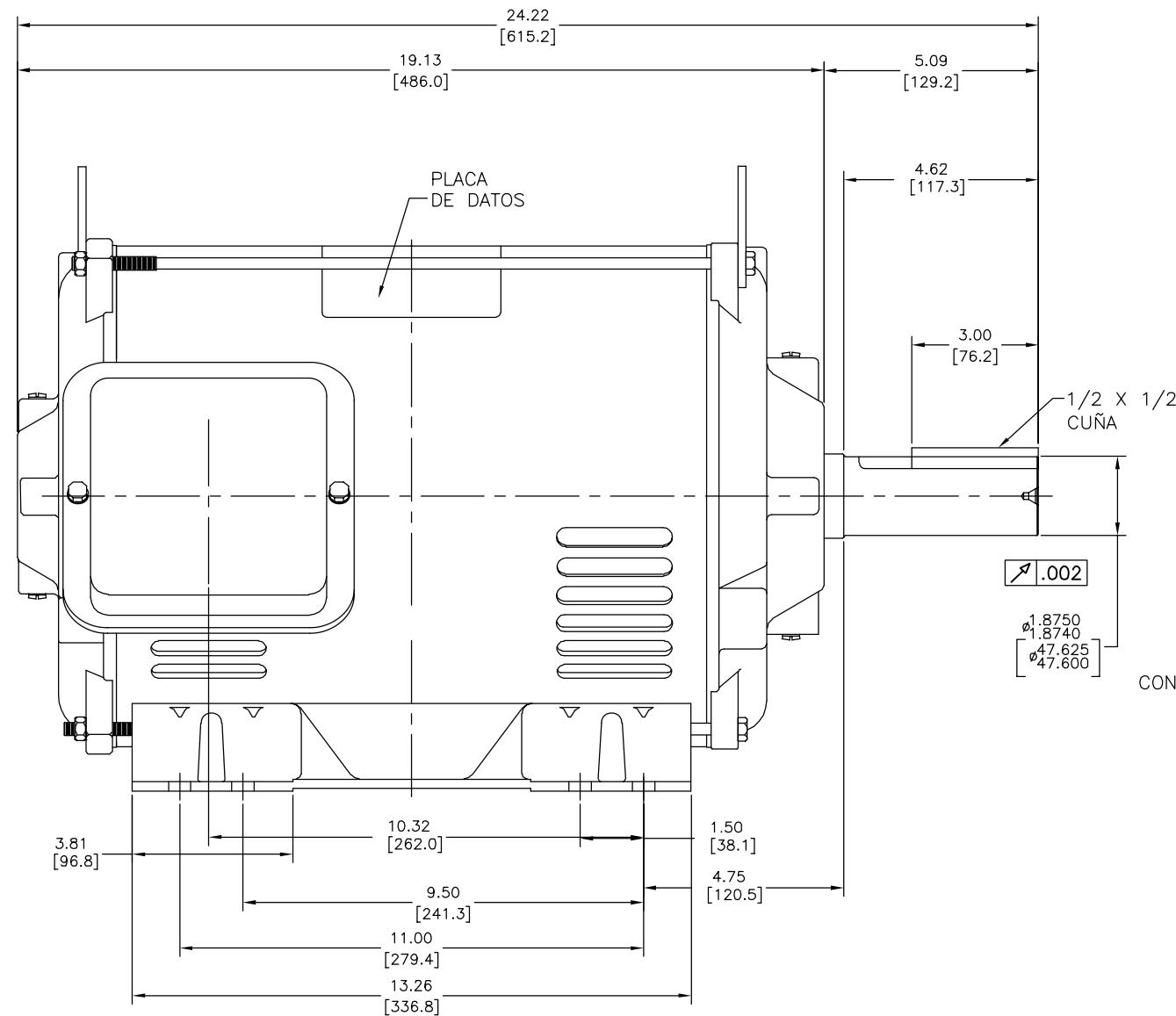
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GEOMETRIC CHARACTERISTICS & SYMBOLS □ FLATNESS — STRAIGHTNESS ∠ ANGULARITY ⊥ PERPENDICULARITY (SQUARENESS) // PARALLELISM ○ ROUNDNESS (CIRCULARITY) ⌀ CYLINDRICITY ≡ PROFILE OF ANY SURFACE ⤴ PROFILE OF ANY LINE ⤵ RUNOUT ⊕ TRUE POSITION ⊙ CONCENTRICITY = SYMMETRY	UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS: INCH ± .1 ±.02 ±.005 ±.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	DR BY: I.LOPEZ	11-20-2012	<b>REGAL-BELOIT CORPORATION</b>	DESCRIPTION <b>MODEL-IHP OUTLINE</b>
		APPD: D.JAMORA	11-20-2012		
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				SIZE D	DWG NO R424M2
				SCALE NONE	SHEET 1

REVISION: ECO	REVISADO POR: A.ARREOLA	FECHA: 01-15-2014	APROBADO POR: M.AVILA	FECHA: 01-15-2014
B	0043650			



NOTAS:

1. CAJA DE CONDUCTORES PUEDER ROTARSE EN INCREMENTOS DE 90°
2. EL MOTOR ES EL ADECUADO PARA CONVERSION DE CAMPOS DESDE LA UBICACION AN F1 Y AN F2
3. VENTILACION DE MOTOR: LA ENTRADA DE AIRE ES A TRAVES DE LOS ORIFICIOS EN LA CARA DE CADA TAPA Y EXTRAIDA A TRAVES DE LAS RANURAS DE VENTILACION AL FINAL DE CADA CARCAZA

DESCRIPCION DEL MOTOR:

ESCUDO 284T DE ACERO A PRUEBA DE GOTEO CON 3 FASES ABIERTAS. OTRO TIPO DE OPERACIONES DE MONTAGE ES ACEPTABLE; SIN EMBARGO CUANDO SEA MONTADO DE CUALQUIER OTRA FORMA MENOS HORIZONTALMENTE NO SERA A PRUEBA DE GOTEO COMO NEMA LO DEFINE.

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS: □ PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) R CILINDRICIDAD ≡ PERFIL DE CUALQUIER SUPERFICIE ∩ PERFIL DE CUALQUIER LINEA ∠ VARIACION ⊕ POSICION REAL ⊙ CONCENTRICIDAD = SIMETRIA	A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES: PULG ±.1 ±.02 ±.005 ±.0005 mm ±0.5 ±0.13 ±0.013 ANG. ±50 GRADOS ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE. PULG .003-.015 mm 0.1-0.4 FILETEAR ESQUINA: PULG .020 mm 0.5 MAQUINAR SUPERFICIES PULG 125 mm 3.2 DIMS METRICAS MOSTRADAS [PARENTESIS]	DIBUJADO POR: I.LÓPEZ	11-20-2012	REGAL-BELOIT CORPORATION DESCRIPCION: MODEL-IHP OUTLINE TAMAÑO: D NUMERO DE DIBUJO: R424M2 ESCALA: NONE HOJA: 1
		APROBADO POR: D.JAMORA	11-20-2012	