

PRODUCT INFORMATION PACKET



Model No: C249

Catalog No: C249

Circulator Pump Motor, 1/2 HP, 1 Ph, 60 Hz, 115/208-230 V, 1800 RPM, Y56YZ Frame, ODP



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Nameplate Specifications

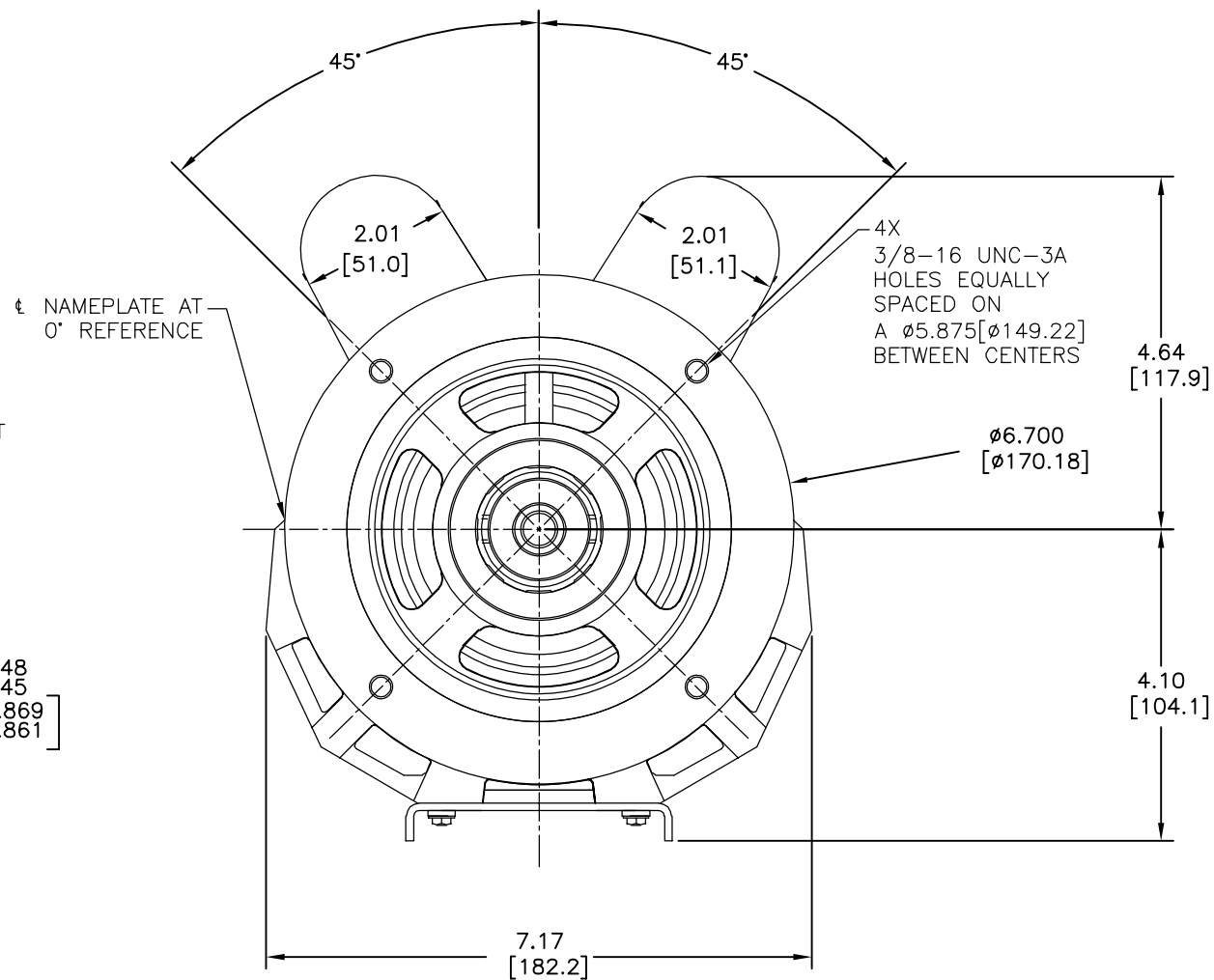
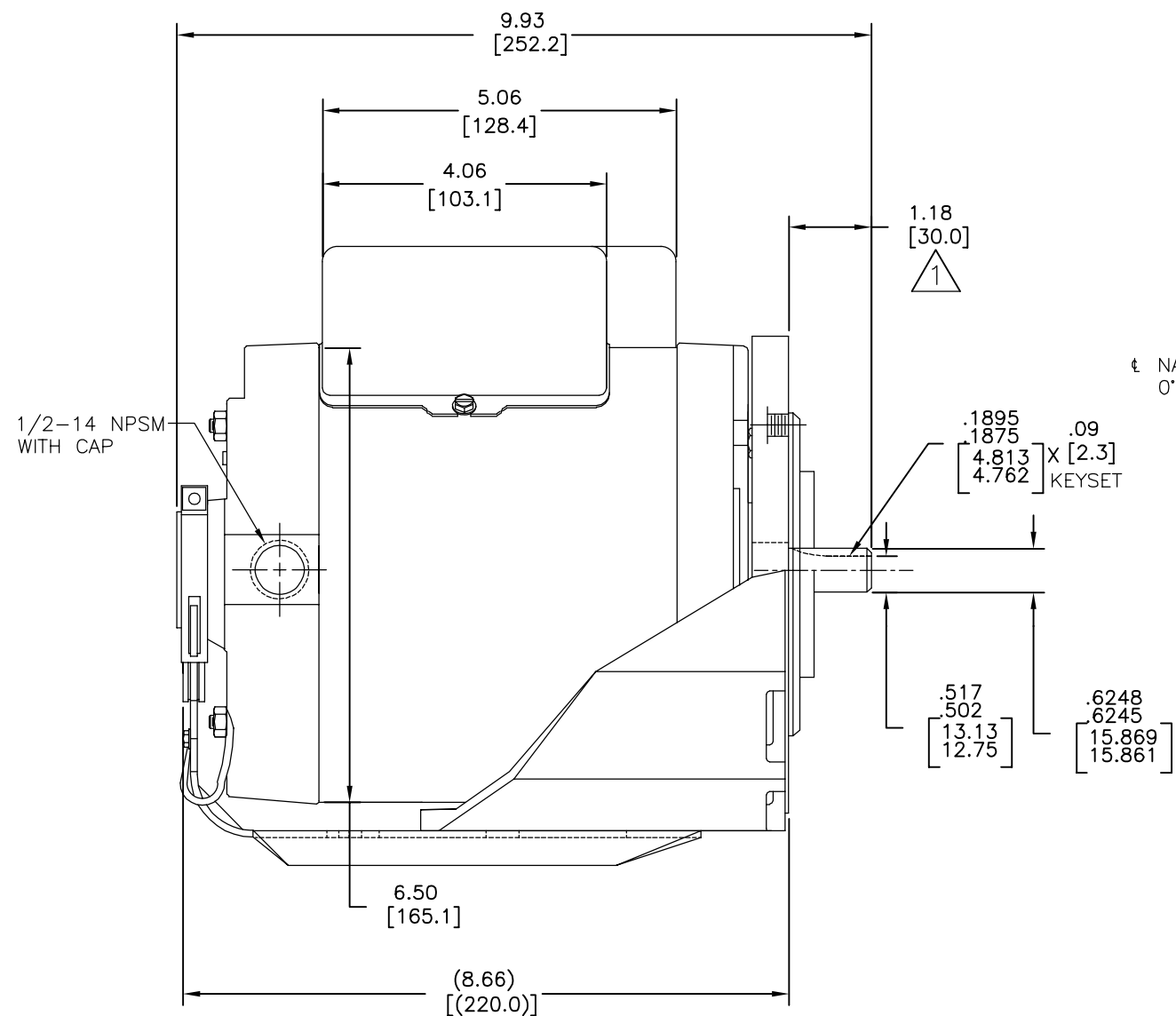
Output HP	1/2 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	5.8/2.8-2.9 A	Speed	1725 rpm
Service Factor	1.5	Phase	1
Duty	Continuous	Insulation Class	B
Frame	Y56YZ	Enclosure	Open Drip Proof
Thermal Protection	Thermally Protected	Ambient Temperature	50 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Capacitor Start, Capacitor Run, Single Or Dual Voltage	Starting Method	Across The Line
Poles	4	Rotation	Clockwise
Mounting	Cushion Base	Drive End Bearing	Sleeve
Opp Drive End Bearing	Sleeve	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	9.93 in
Frame Length	4.75 in	Shaft Diameter	0.625 in
Shaft Extension	1.18 in		
Connection Drawing	17050327.PCX	Outline Drawing	18942401-002-S02

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REV	ECO	REV BY	DATE	APPD	DATE
J	0030404	S JIMENEZ	01-17-2013	S JIMENEZ	01-17-2013



NOTES:

1. .600/.540 [15.24/13.72] DIMENSION IS FOR SHAFT EXTENSION, BOTH FROM BRACKET HUB AND FROM SHAFT SHOULDER TO TIP OF THE SHAFT.

2. DIMENSIONS IN PARENTHESIS ARE FOR REFERENCE DIMENSION.

3. TIGHTEN CRADLE ASSEMBLY BOLTS TO 63-77 IN-LBS.

4. GLUE 2511087-001 & 2511088-001 BETWEEN MOTOR MOUNTING RESILIENT BRACKETS AND RINGS.

PERFORMANCE CURVE# C26085

GEOMETRIC CHARACTERISTICS & SYMBOLS
□ FLATNESS
— STRAIGHTNESS
∠ ANGULARITY
⊥ PERPENDICULARITY (SQUARENESS)
// PARALLELISM
○ ROUNDNESS (CIRCULARITY)
⊘ CYLINDRICITY
△ PROFILE OF ANY SURFACE
∩ PROFILE OF ANY LINE
R 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 ±0.2 ±0.005 ±0.005
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:

J BLANK

12-01-2004

APPD:

THIRD ANGLE PROJECTION



EDS DATE 11-11-2011
FORMAT REV H

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REGAL-BELOIT CORPORATION

DESCRIPTION

OUTLINE

SIZE

C

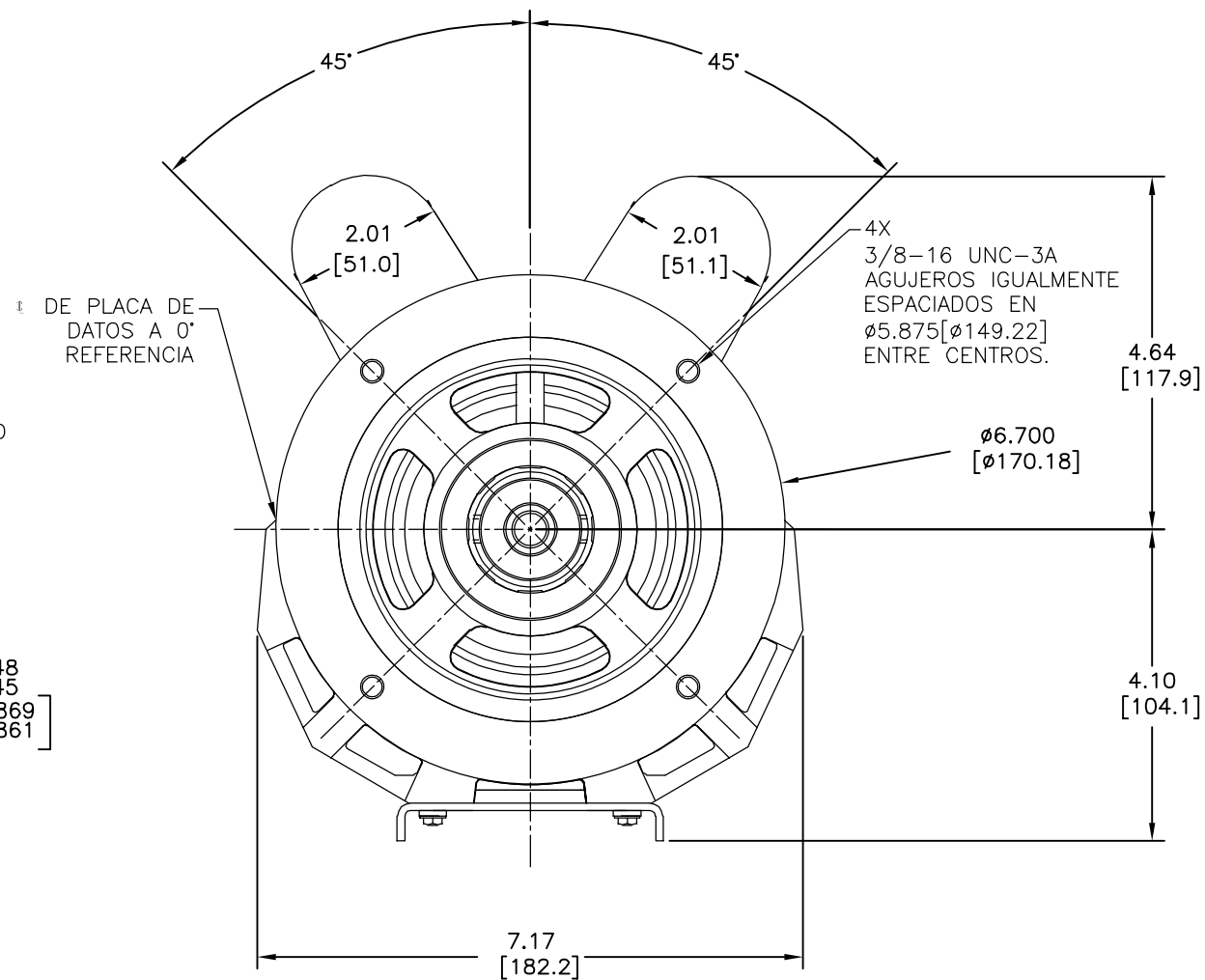
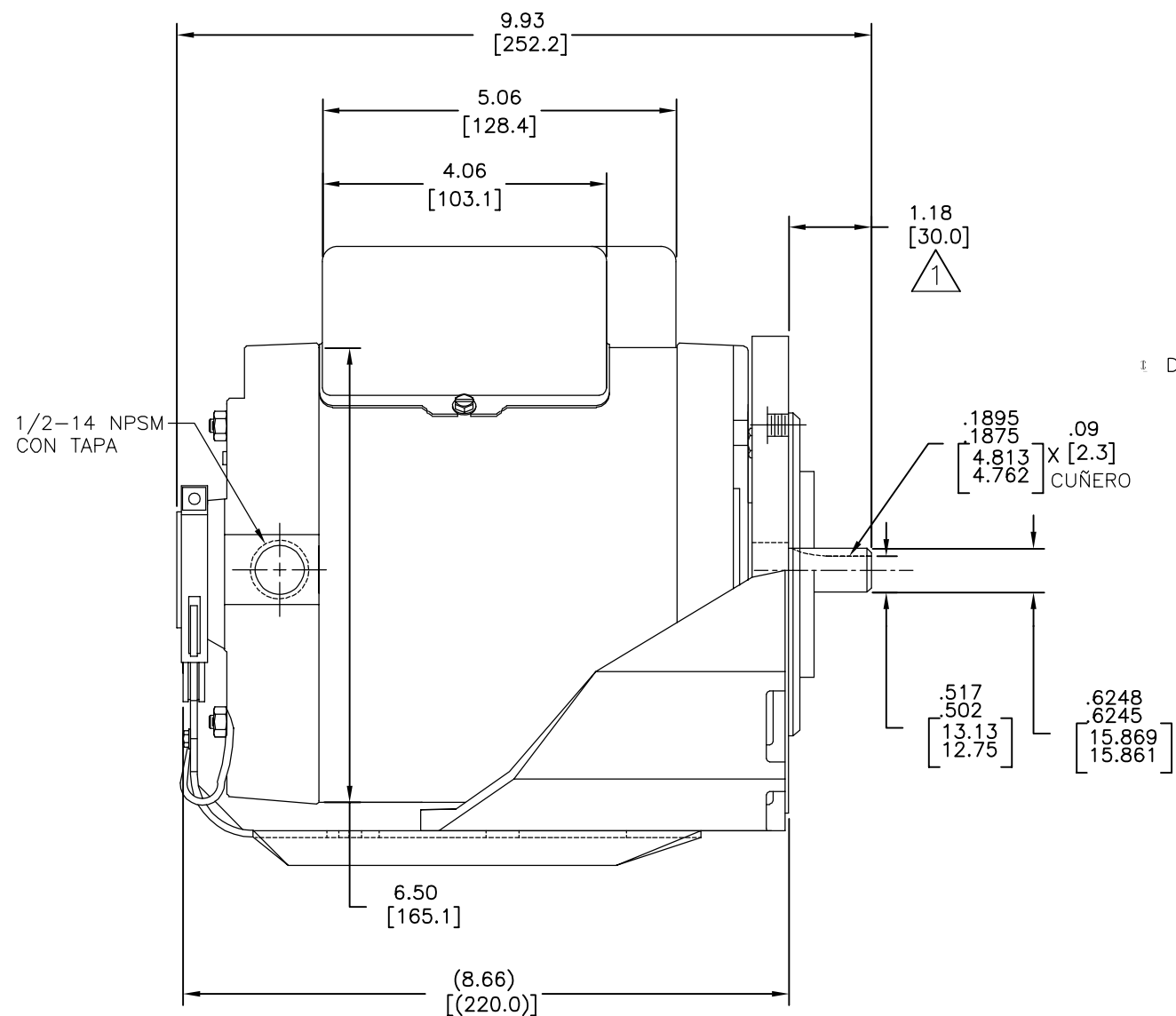
DWG NO

18942401-002

SCALE NONE

SHEET 2

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
J	0030404	S JIMENEZ	01-17-2013	S JIMENEZ	01-17-2013



NOTAS:

1. .600/.540 [15.24/13.72] LA DIMENSION ES PARA LA EXTENSION DE LA FLECHA, AMBAS DESDE EL CUBO DE LA TAPA Y DESDE EL HOMBRO DE LA FLECHA A LA PUNTA DE LA FLECHA.

2. LAS DIMENSIONES EN PARENTESIS SON DE REFERENCIA.

3. ENSAMBLAR TORNILLOS DE AJUSTE A 63-77 IN-LBS.

4. PEGAMENTO 2511087-001 & 2511088-001 ENTRE TAPAS Y ANILLOS DE MONTAJE.

CURVA DE DESEMPEÑO #C26085

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS
✓ PLANICIDAD
— RECTITUD
∠ ANGULARIDAD
⊥ PERPENDICULARIDAD (A ESCUADRA)
// PARALELISMO
○ REDONDEZ (CIRCULARIDAD)
⊘ 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:
J BLANK

12-01-2004

APROBADO POR:

TERCER ANGULO
DE PROYECCION



FECHA EDS: 11-11-2011
REV. FORMATO: H

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REGAL-BELOIT CORPORATION

DESCRIPCION:

OUTLINE

TAMAÑO: C

NUMERO DE DIBUJO: 18942401-002

ESCALA: NONE

HOJA: 2