PRODUCT INFORMATION PACKET

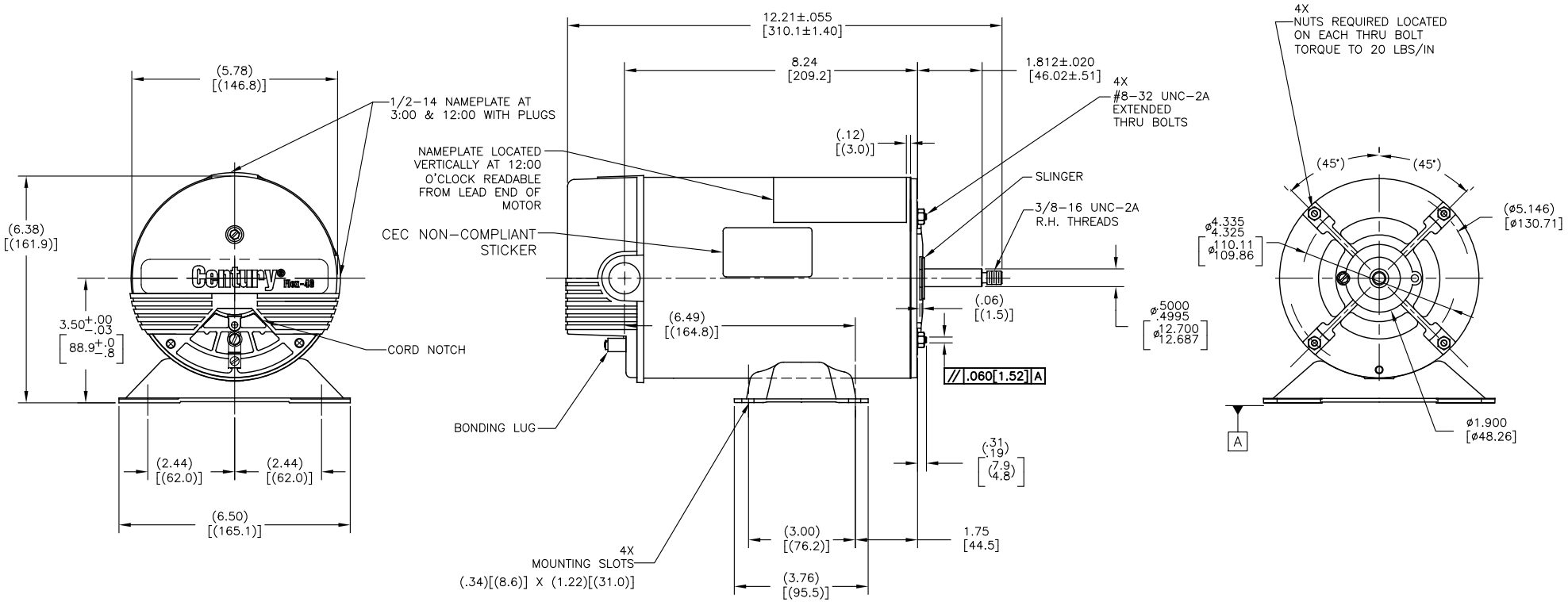
Model No: BN35V1
Catalog No: BN35V1
Pool Pump Motor, 1.5 HP, 1 Ph, 60 Hz, 230/115 V, 3600 RPM, 48Y Frame, DP

Nameplate Specifications

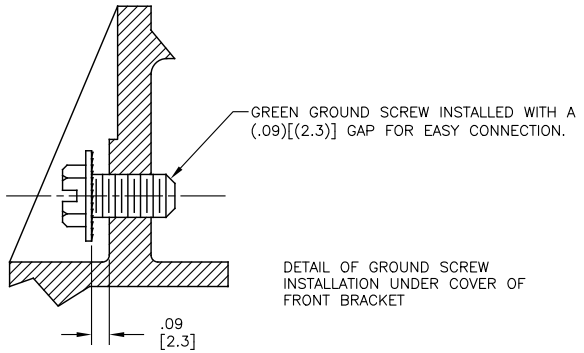
Phase	1	Output HP	1.5 Hp
Output KW	1.1 kW	Voltage	230/115 V
Speed	3450 rpm	Service Factor	1
Frame	48Y	Enclosure	Drip Proof
Thermal Protection	Thermally Protected	Ambient Temperature	40 °C
Frequency	60 Hz	Current	8.0/16.0 A
Duty	Continuous	Insulation Class	B
UL	Recognized	CSA	Y
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start, Induction Run, Single Or Dual Voltage	Poles	2
Rotation	Counterclockwise Pump End	Mounting	Thru Bolt
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	3/8 Threaded	Overall Length	12.08 in
Frame Length	7.50 in	Shaft Diameter	0.500 in
Shaft Extension	2.375 in		
Outline Drawing	BN35V1-S01	Connection Drawing	D0000480-001



NAMEPLATE DATA	EXTERNAL CONNECTION DIAGRAM	NOTES
MODEL: C48AA72A01 CUST PN: BN35V1 HP: 1.5 SF: 1.0 ROT: CCWPE RPM: 3450 TYPE: CS CODE: H FORM: . FRAME: 48Y VOLTS: 230/115 AMPS: 8.0/16.0 MAX AMPS: . SF AMPS: . PH: 1 HZ: 60 INS: B AMB: 40 DUTY: CONT ENCLOSURE: DP THERMALLY–PROTECTED	HIGH VOLTAGE: LINE 1, BLACK TR 3, BLACK 5, LINE 6 LOW VOLTAGE: LINE 1, BLACK TR 3, BLACK TR 5, BLACK 6, LINE NON–REVERSIBLE USE COPPER CONDUCTORS ONLY	1. LEAD END FRAME TO BE ORIENTED TO DRIVE END FRAME TO WITHIN ±2°. 2. ALL DIMENSIONS SHOWN IN PARENTHESIS ARE REFERENCE DIMENSIONS. 3. LIMITS ON AMPLITUDE OF VIBRATION MEASURED AT BEARING HOUSING = .001[.02] 4. CONNECTED FOR 230V. DUAL VOLTAGE MOTOR. SEE CONNECTION DIAGRAM TO CHANGE VOLTAGE TO 115 VOLTS. 5. CTQ REQUIREMENT SEE EP000105–008 6. RoHS & REACH REQUIREMENT SEE EP000014.



PERFORMANCE CURVE		APPROVED SAMPLE	
C48M2W25		CSR–000017AP5	
UL COMPONENT		CSA	
FILE#	CCN#	FILE#	GUIDE#
PENDING	PENDING	PENDING	PENDING
CUSTOMER	DISTRIBUTION		

CRITICAL TO QUALITY CHARACTERISTICS(CTQs)
- Ⓟ PROCESS
- Ⓔ ENGINEERING
- Ⓐ APPLICATION
- Ⓡ REGULATORY
- Ⓛ LIFE

DRAWING REVISION	REVISION BY	DATE
T	MINJING.JIANG	01–02–2025
ECO	APPROVED BY	DATE
ECR–0239544	TRISTA.ZHAO	01–02–2025

ECO DESCRIPTION
SEE ECR

TOLERANCES UNLESS OTHERWISE SPECIFIED

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±0.5°
.XX	±0.02	[±0.5]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

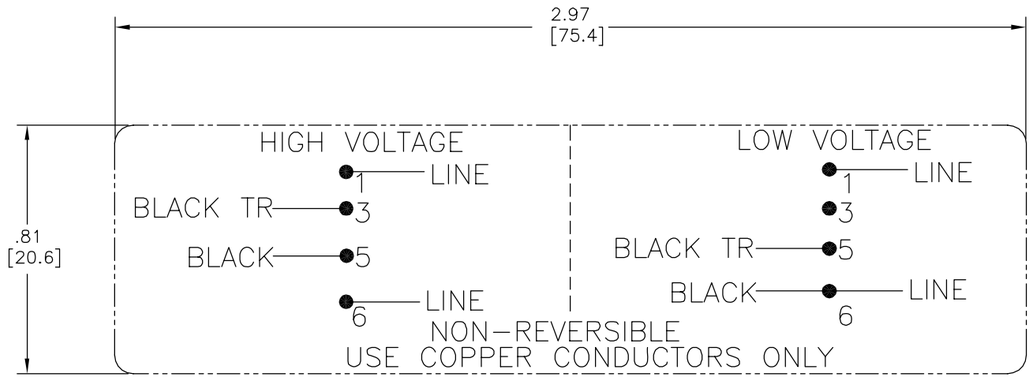
REMOVE BURRS & BREAK SHARP EDGES .003/.015 [.08/.38]
CORNER FILLETS .02 [.5]
MACHINED SURFACES 125 INCH / 3.2 mm
mm SHOWN IN [BRACKETS]

DRAWN BY: FX
DATE: 09–08–2010
APPROVED BY: BL
DATE: 09–08–2010
REFERENCE: .

Regal Beloit America, Inc.

DESCRIPTION: MODEL–PFHP–48FR OUTLINE
MATERIAL: . PROCESS/FINISH: .
THIRD ANGLE PROJECTION
SIZE C | DWG NO BN35V1 | SHEET 1

REV	ECO	REV BY	DATE	APPD	DATE
A	0034125	J.M.RAMIREZ	06-11-2013	S.JIMENEZ	06-11-2013



115/230 VOLT SINGLE SPEED

NOTE:

1. FOR USE WITH 616231 NAMEPLATE BLANK.
2. —— - - —— INDICATES DIMENSIONAL LIMITS.
3. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

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:

	X	XX	XXX	XXXX
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
METRIC DIMS. SHOWN IN [BRACKETS]

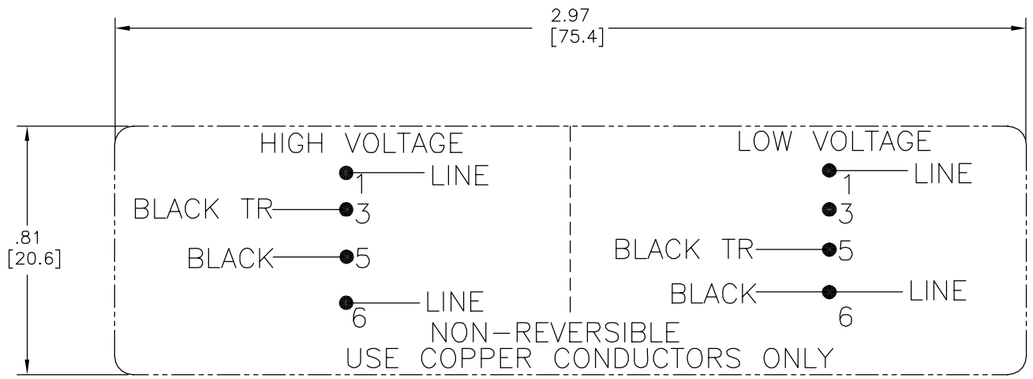
DR BY: J.M.RAMIREZ 06-11-2013
APPD: S.JIMENEZ 06-11-2013
THIRD ANGLE PROJECTION
EDS DATE 11-11-2011
FORMAT REV H

REGAL **REGAL-BELOIT CORPORATION**

DESCRIPTION: CONN DIAGRAM-EXTERNAL

SIZE C | DWG NO D0000480-001 | SCALE NONE | SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	0034125	J.M.RAMIREZ	06-11-2013	S.JIMENEZ	06-11-2013



VELOCIDAD UNICA DE 115/230 VOLTIOS

NOTA:

1. PARA USAR CON PLACA DE DATOS EN BLANCO 616231
2. —— - - —— INDICA LOS LIMITES DIMENSIONALES.
3. EL DADO DEBE PRODUCIR UNA IMPRESIONDIE LEGIBLE.

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

ASME Y14.5M 1994

A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:

	X	XX	XXX	XXXX
PULG	±.1	±.02	±.005	±.0005
mm	±0.5	±0.13	±0.013	

ANG. ±.5º 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.M.RAMIREZ — 06-11-2013
APROBADO POR: S.JIMENEZ — 06-11-2013
TERCER ANGULO DE PROYECCION
FECHA EDS: 11-11-2011
REV. FORMATO: H

REGAL **REGAL-BELOIT CORPORATION**

DESCRIPCION: CONN DIAGRAM-EXTERNAL

TAMAÑO: C | NUMERO DE DIBUJO: D0000480-001

ESCALA: NONE | HOJA: 1