

# PRODUCT INFORMATION PACKET



Model No: BN23V1

Catalog No: BN23V1

Pool Pump Motor, 1/2 HP, 1 Ph, 60 Hz, 115 V, 3600 RPM, 48Y Frame, DP



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### Nameplate Specifications

Output HP	1/2 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115 V
Current	7.0 A	Speed	3450 rpm
Service Factor	1	Phase	1
Duty	Continuous	Insulation Class	B
Frame	48Y	Enclosure	Drip Proof
Thermal Protection	Thermally Protected	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
Number of Speeds	1		

### Technical Specifications

Electrical Type	Split Phase, 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	10.84 in
Frame Length	6.13 in	Shaft Diameter	0.500 in
Shaft Extension	1.812 in		
Connection Drawing	D0000100-001	Outline Drawing	BN23V1-S01

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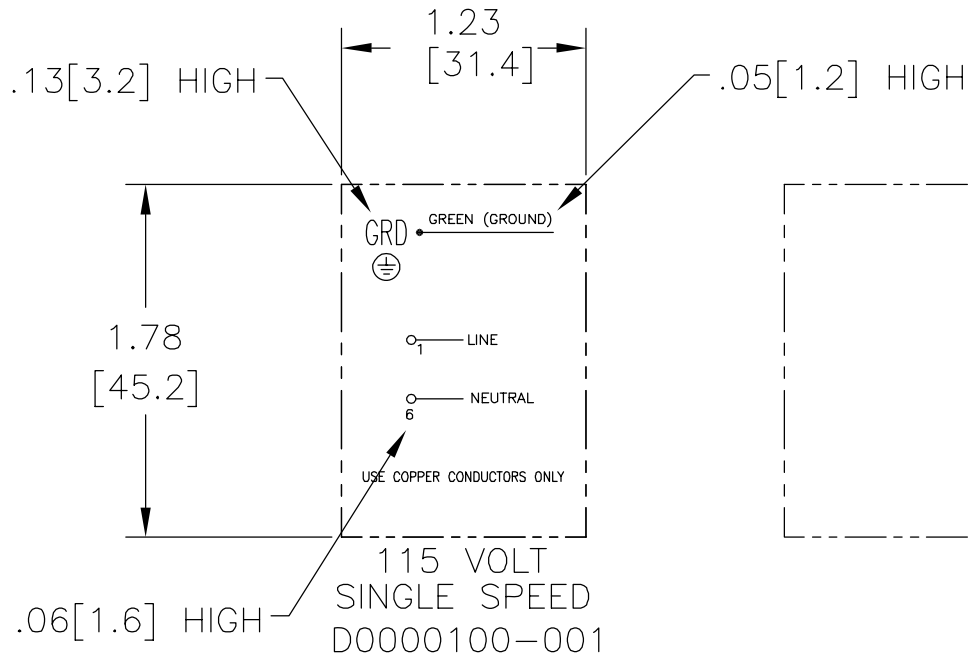
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REV	ECO	REV BY	DATE	APPD	DATE
B	ECO-0021145	T.HUANG	06-14-2011	B.C.SHEN	06-14-2011

B

B



- NOTES:
1. FOR USE WITH 620629 NAMEPLATE BLANK
  2. — — — — INDICATES DIMENSIONAL LIMITS
  3. DIE TO BE MADE FROM MASTER SUPPLIED BY A.O. SMITH CORP.
  4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

A

A

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 X XX XXX XXXX  
±.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:	JHENRY	03-23-09
APPD:		
THIRD ANGLE PROJECTION	EDS DATE 02-22-2008	FORMAT REV F
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<b>ACSmith</b> Innovation has a name.		<b>ELECTRICAL PRODUCTS COMPANY</b> A DIVISION OF A. O. SMITH CORPORATION	
DESCRIPTION CONN DIAGRAM-EXTERNAL (HAYWARD NAMEPLATE)			
SIZE B	DWG NO D0000100		
SCALE NONE			SHEET A

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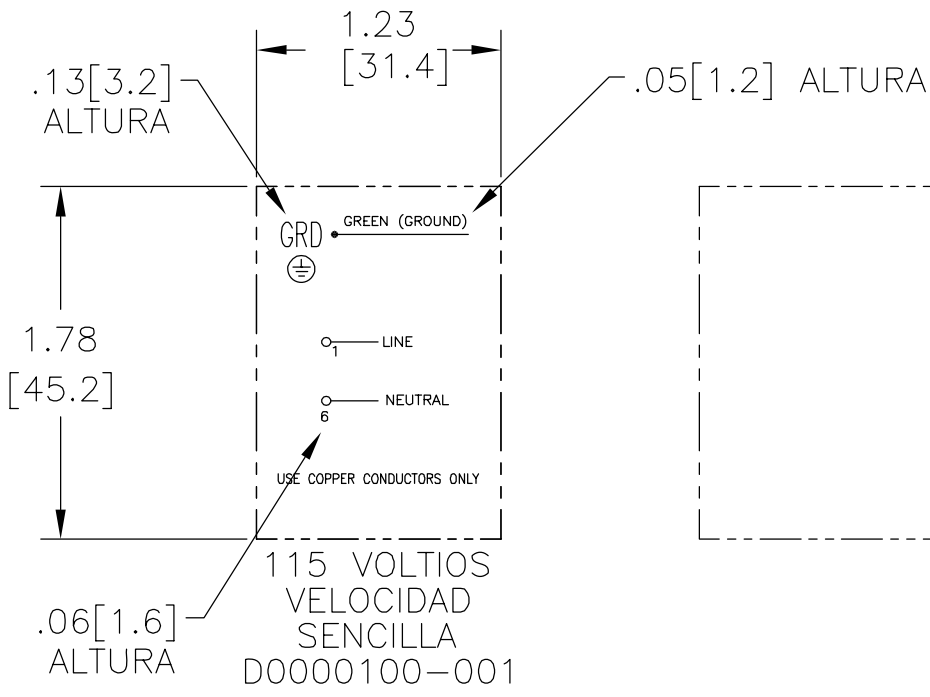
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	ECO-0021145	T.HUANG	06-14-2011	B.C.SHEN	06-14-2011




- NOTAS:
1. PARA USAR CON PLACA DE DATOS EN BLANCO 620629.
  2. — — — — INDICA LIMITES DIMENSIONALES.
  3. EL DADO DEBE HACERCE DE UN MAESTRO SUMINISTRADO POR LA CORPORACION A.O. SMITH.
  4. EL DADO DEBE PRODUCIR UNA IMPRESION LEGIBLE.

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS  
Z 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:  
X XX XXX XXXX  
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: JHENRY	03-23-09
APROBADO POR:	
TERCER ANGULO DE PROYECCION	FECHA EDS: 02-22-2008 REV. FORMATO: F
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 <b>ELECTRICAL PRODUCTS COMPANY</b> A DIVISION OF A. O. SMITH CORPORATION	
DESCRIPCION: CONN DIAGRAM-EXTERNAL (HAYWARD NAMEPLATE)	
TAMAÑO: B	NUMERO DE DIBUJO: D0000100
ESCALA: NONE	HOJA: A

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