

PRODUCT INFORMATION PACKET



Model No: BN34V1

Catalog No: BN34V1

Pool Pump Motor, 1.5/.188 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 48Y Frame, ODP



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Nameplate Specifications

Phase	1	Output HP	1.5/.188 Hp
Output KW	1.1 kW	Voltage	230 V
Speed	3450/1725 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Open Drip Proof
Thermal Protection	Thermally Protected	Ambient Temperature	40 °C
Frequency	60 Hz	Current	6.5/2.5 A
Duty	Continuous	Insulation Class	B
UL	Recognized	CSA	Y
Number of Speeds	2		

Technical Specifications

Electrical Type	Cap Start Low Speed, Psc High Speed	Starting Method	Across The Line
Poles	2/4	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	Threaded
Overall Length	13.21 in	Frame Length	8.00 in
Shaft Diameter	0.500 in	Shaft Extension	2.375 in
Outline Drawing	BN34V1-S01	Connection Drawing	D0000072-004

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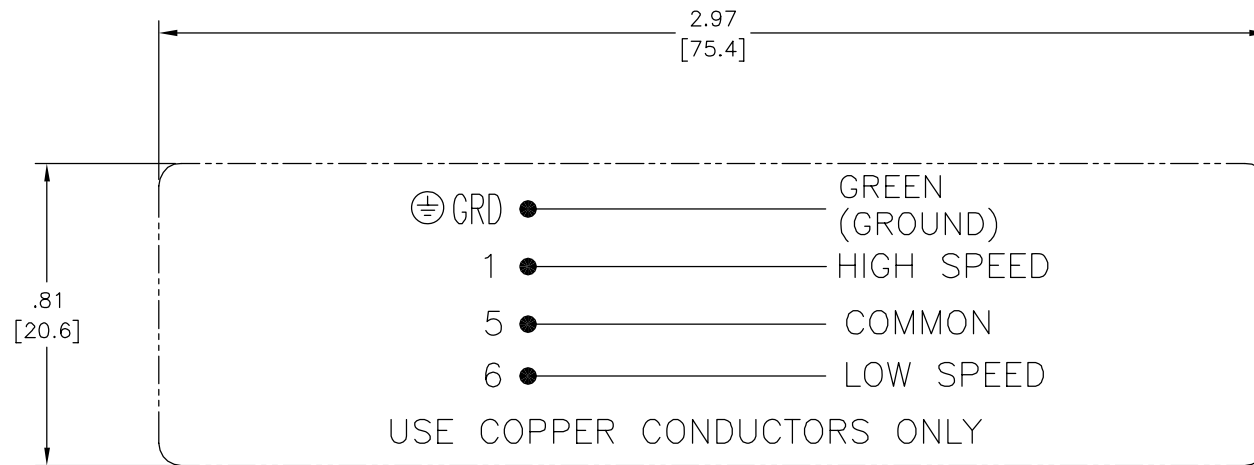
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REV	ECO	REV BY	DATE	APPD	DATE
A	0020828	Cherry.Zhang	05-30-2011	Baocheng.Shen	05-30-2011



230 VOLT TWO 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	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: Cherry.Zhang	05-30-2011	ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
		APPD: Baocheng.Shen	05-30-2011		DESCRIPTION
		THIRD ANGLE PROJECTION	EDS DATE 02-22-2008 FORMAT REV F	SIZE C	DWG NO D0000072-004
		CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF A.O. SMITH CORP. AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF A.O. SMITH CORP. —ALL RIGHTS RESERVED. ASME Y14.5M 1994		SCALE NONE	SHEET 1

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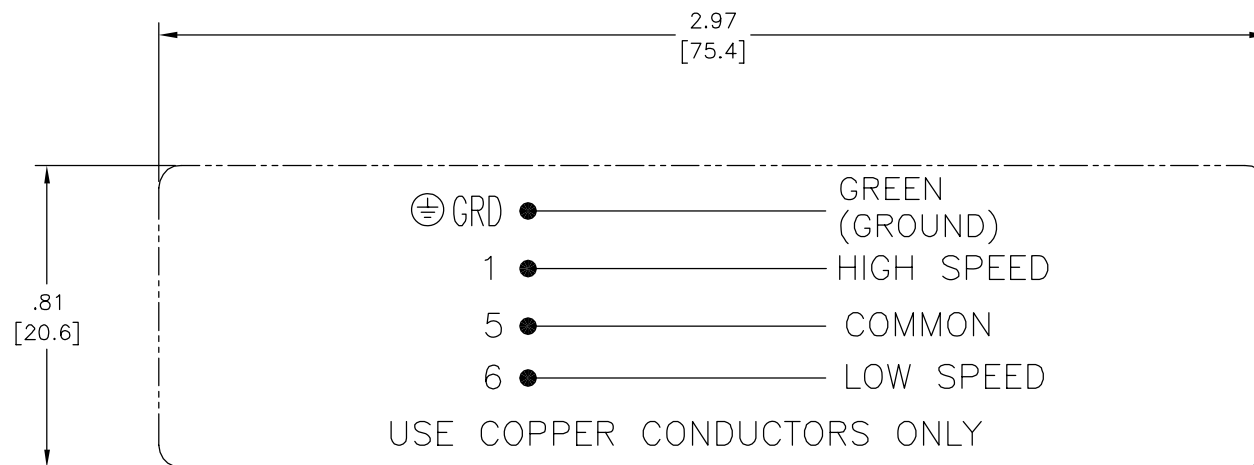
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	0020828	Cherry.Zhang	05-30-2011	Baocheng.Shen	05-30-2011



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	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: Cherry.Zhang 05-30-2011 APROBADO POR: Baocheng.Shen 05-30-2011 TERCER ANGULO DE PROYECCION FECHA EDS: 02-22-2008 REV. FORMATO: F	AO Smith Innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION
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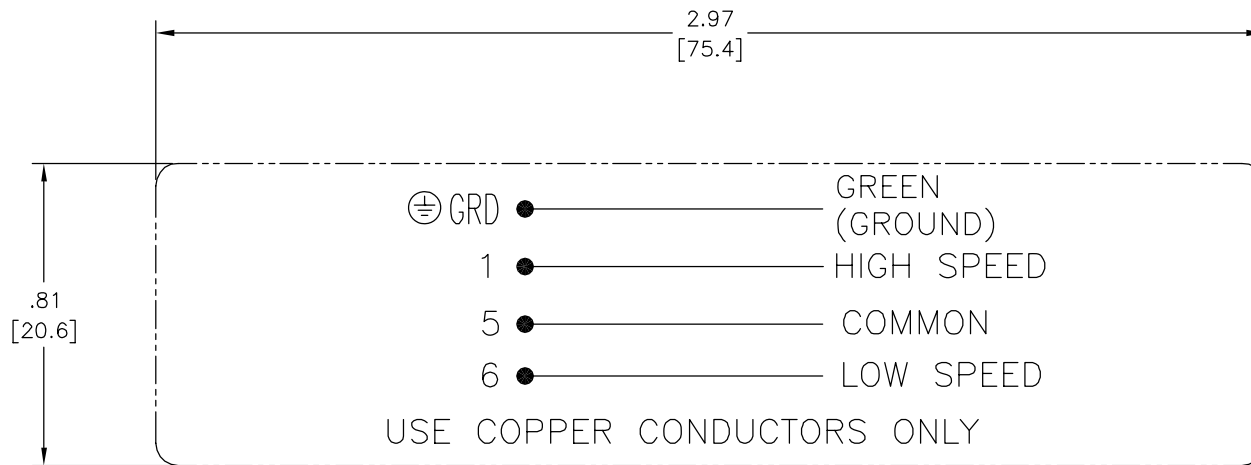
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形位公差
□ 平面度
— 直线度
∠ 倾斜度
⊥ 垂直度
∥ 平行度
○ 圆度
⊘ 圆柱度
Ⓜ 面轮廓度
Ⓝ 线轮廓度
Ⓢ 圆跳动
Ⓧ 位置度
Ⓩ 同轴度
≡ 对称度

除另有注明
尺寸公差如下:

英寸	±.1	XX ±.02	XXX ±.005	XXXX ±.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 125 米制 3.2
米制尺寸显示在 []

绘图:	Cherry.Zhang	05-30-2011
批准:	Baocheng.Shen	05-30-2011
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比例	NONE	页号	1

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