

PRODUCT INFORMATION PACKET



Model No: B2975

Catalog No: B2975

Pool Pump Motor, 1.0/ .12 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, Y56J Frame, DP



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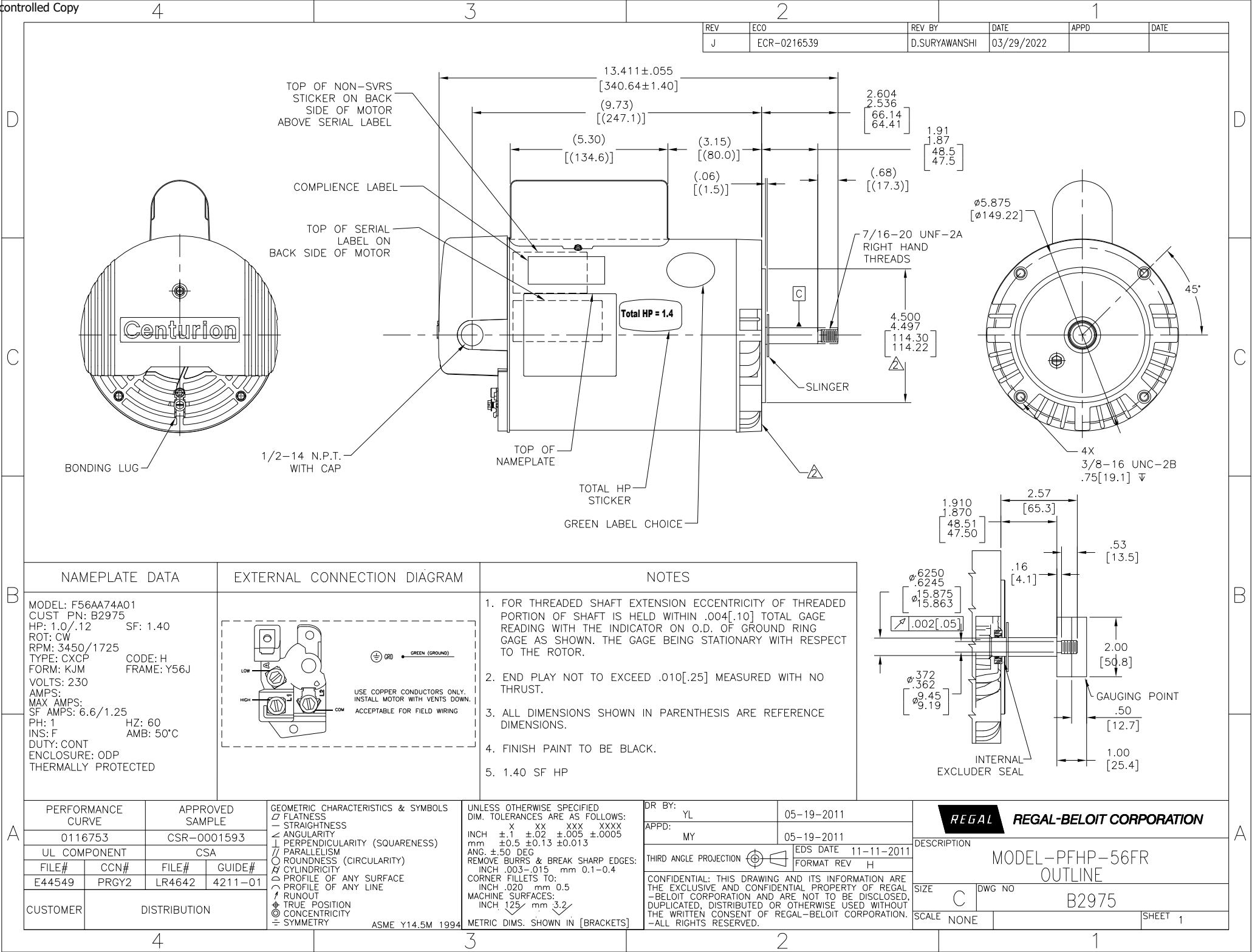
Nameplate Specifications

Output HP	1.0/ .12 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230 V
Current	SF 6.6/1.25 A	Speed	3450/1725 rpm
Service Factor	1.4	Phase	1
Duty	Continuous	Insulation Class	F
Frame	Y56J	Enclosure	Drip Proof
Thermal Protection	Thermally Protected	Ambient Temperature	50 °C
UL	Recognized	CSA	Y
Number of Speeds	2-2VT		

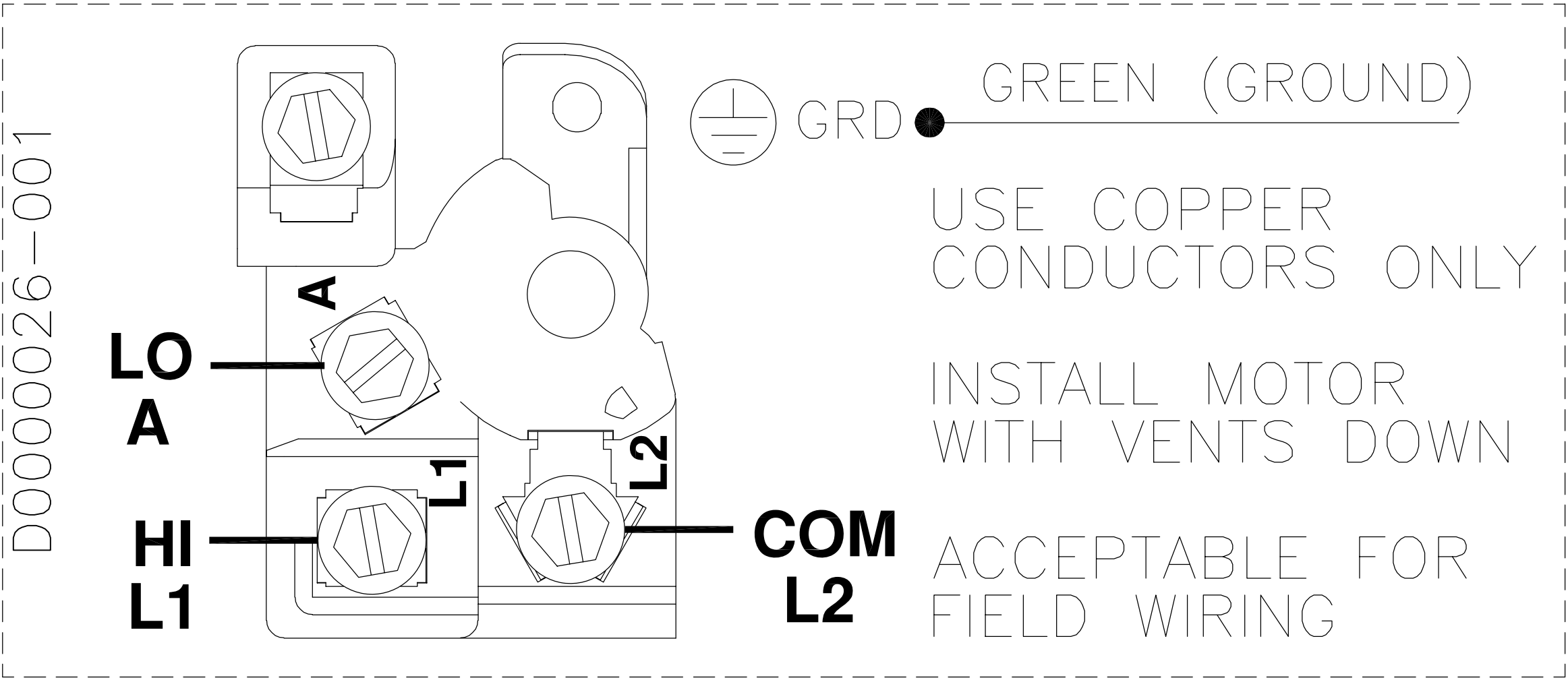
Technical Specifications

Electrical Type	Psc Low Speed, Cap Start/Cap Run High Speed	Poles	2/4
Rotation	Clockwise	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball Brg
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	7/16 Threaded	Overall Length	13.05 in
Frame Length	7.75 in	Shaft Diameter	0.625 in
Shaft Extension	2.57 in		
Connection Drawing	D0000026-001	Outline Drawing	B2975-S01

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REV	ECO	REV BY	DATE	APPD	DATE
D	0013035	VMS	03-18-2010	JOSUE	03-18-2010



(TWO SPEED)

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 $\pm .1$ $\pm .02$ $\pm .005$ $\pm .0005$
mm ± 0.5 ± 0.13 ± 0.013
ANG. $\pm .50$ 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 $\sqrt{125}$ mm $\sqrt{3.2}$
METRIC DIMS. SHOWN IN [BRACKETS]

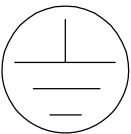
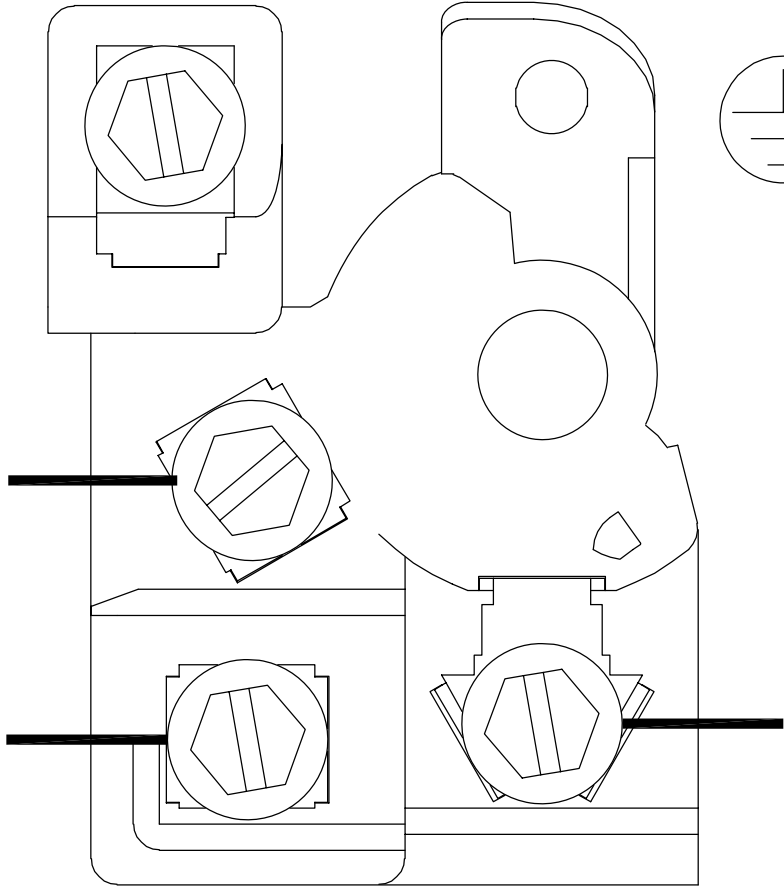
DR BY: Josue 07-15-2008
APPD: M. OVERHOLSER 07-15-2008
THIRD ANGLE PROJECTION
EDS DATE 02-22-2008
FORMAT REV F
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ELECTRICAL PRODUCTS COMPANY
A DIVISION OF A. O. SMITH CORPORATION

DESCRIPTION
CONN DIAGRAM - NAMEPLATE
SIZE A DWG NO D0000026-001
SCALE NONE SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
D	0013035	VMS	03-18-2010	JOSUE	03-18-2010



GRD

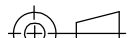
GREEN (GROUND)

USE COPPER
CONDUCTORS ONLY

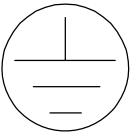
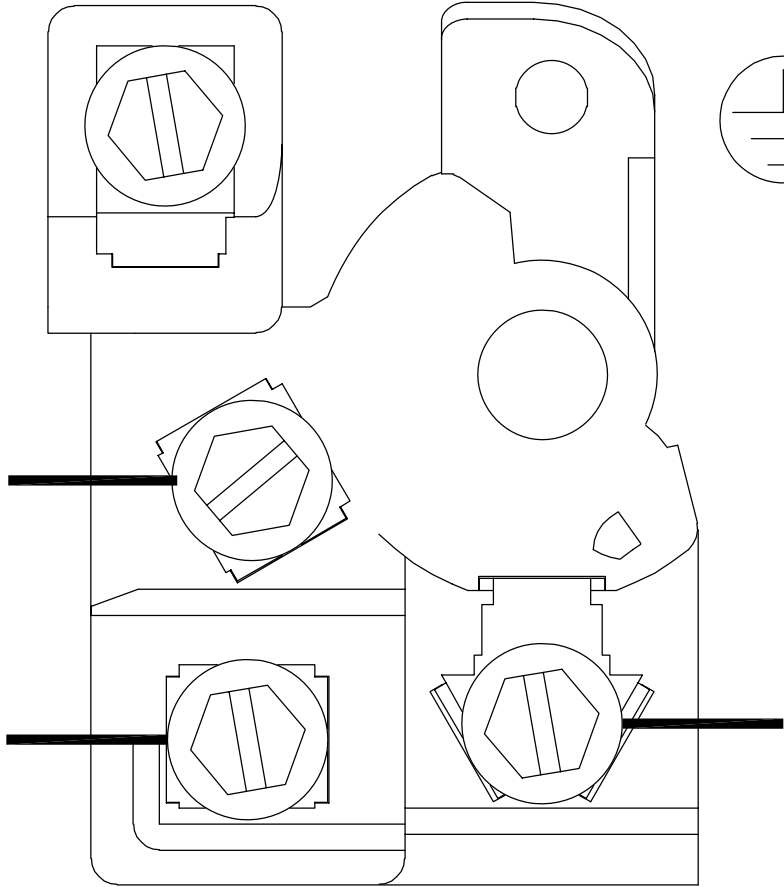
INSTALL MOTOR
WITH VENTS DOWN

ACCEPTABLE FOR
FIELD WIRING

(DOS VELOCIDADES)

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: 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: Josue	07-15-2008	ELECTRICAL PRODUCTS COMPANY Innovation has a name. A DIVISION OF A. O. SMITH CORPORATION			
		APROBADO POR: M. OVERHOLSER	07-15-2008				
		TERCER ANGULO DE PROYECCION		FECHA EDS: 02-22-2008 REV. FORMATO: F	DESCRIPCION: CONN DIAGRAM – NAMEPLATE		
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					ESCALA:NONE		HOJA: 1

版本	ECO	编制	日期	批准	日期
D	0013035	VMS	03-18-2010	JOSUE	03-18-2010



GRD



GREEN (GROUND)

USE COPPER
CONDUCTORS ONLY

INSTALL MOTOR
WITH VENTS DOWN

ACCEPTABLE FOR
FIELD WIRING

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 X XX XXX XXXX
毫米 ±.1 ±.02 ±.005 ±.0005
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 []

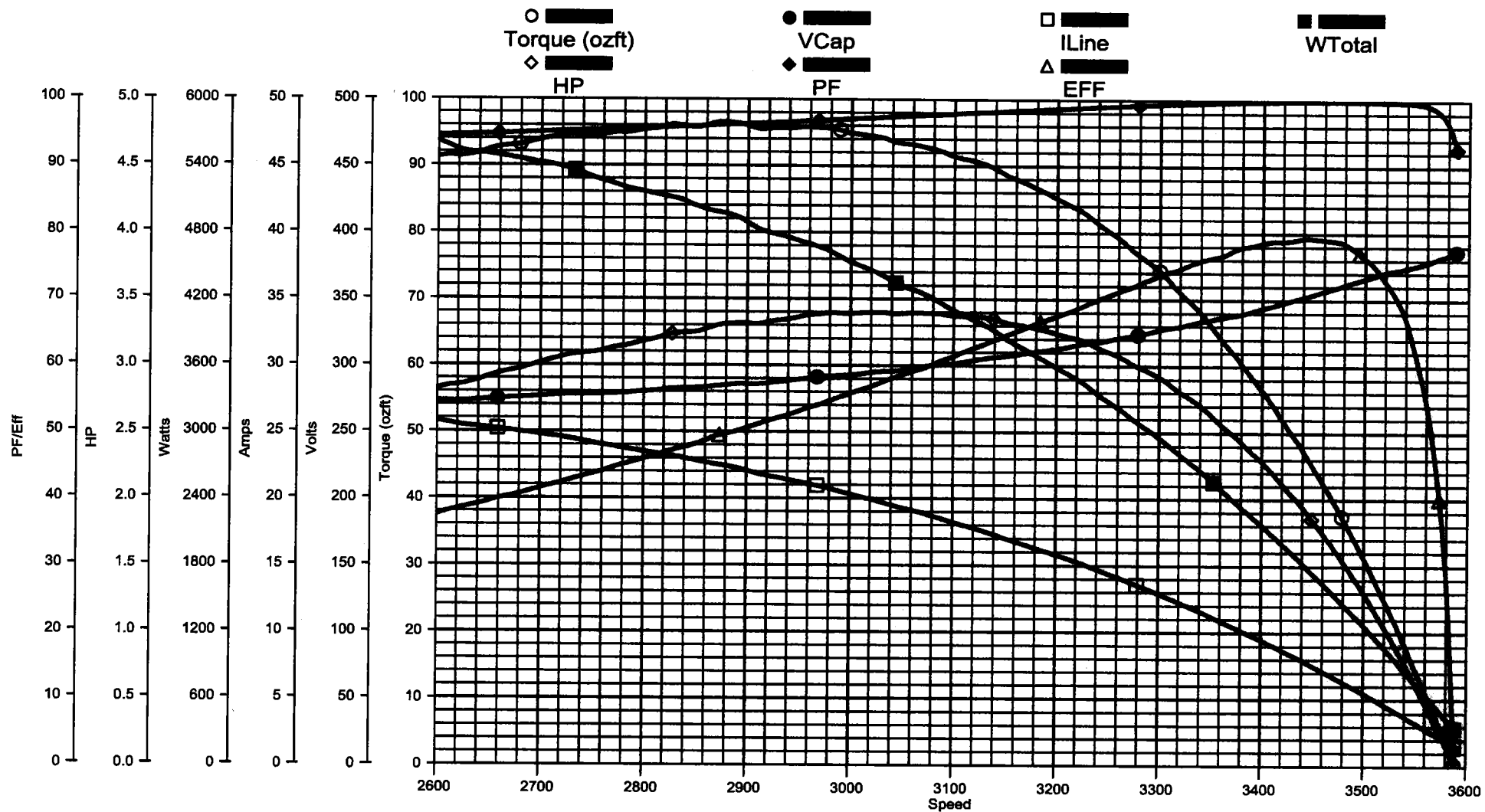
绘图:	Josue	07-15-2008
批准:	M. OVERHOLSER	07-15-2008
第三角投影		图纸格式发布日期 02-22-2008 图纸格式版本 F
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名称 CONN DIAGRAM - NAMEPLATE			
图幅 A	图号 D0000026-001		
比例 NONE	页号 1		

AO Smith

Performance Test Project: 0801562 (High Speed)

Monday, September 22, 2008 05:57 AM



TRACKING #: 10068091

SBU: Pump

ENGINEER: DWAYNE FOX

TECHNICIAN: DAN THOMPSON

BENCH: 2

TORQUE CELL: 500-1 inlb

NP RPM: 3450

SPEEDS: 2

MOTOR #: 1

TYPE: CXCP

CUSTOMER: DISTRIBUTION SERVICES

MODEL: 0801562A

FRAME: 56

PHASES: 1

HP: 1.00

VOLTS: 230.0

HERTZ: 60

START CAP: 189.00

RUN CAP: 30.00

COMMENT3:

DESCRIPTION: OFFSET

BDT: 95.83

MT: 96.56

SF: 0.00

LRT: 0.00

LRA: 0.00

PUT: 0.00

COMMENT1:

COMMENT2:

COMMENT4: