

PRODUCT INFORMATION PACKET



Model No: B2984
Catalog No: B2984
Pool Pump Motor, 2.0/.25 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, Y56Y Frame, ODP



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Nameplate Specifications

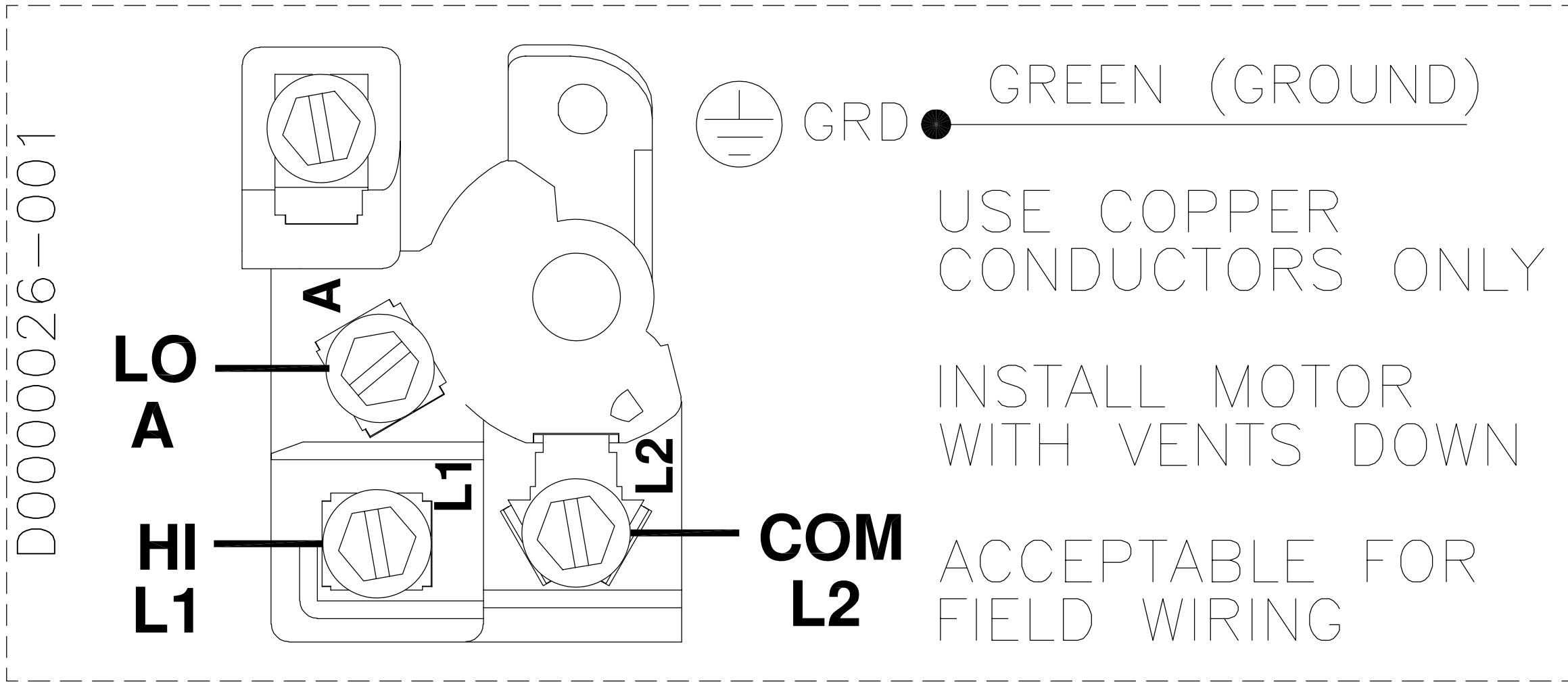
Phase	1	Output HP	2.0/.25 Hp
Output KW	1.5 KW	Voltage	230 V
Speed	3450/1725 rpm	Service Factor	1.30
Frame	Y56Y	Enclosure	Open Drip Proof
Thermal Protection	Thermally Protected	Ambient Temperature	50 °C
Frequency	60 Hz	Current	SF 11.0/1.8 A
Duty	Continuous	Insulation Class	F
UL	Recognized	CSA	Y
Number of Speeds	2-2VT		

Technical Specifications

Electrical Type	Psc Low Speed, Cap Start/Cap Run High Speed	Starting Method	Across The Line
Poles	2/4	Rotation	Counterclockwise Pump End
Mounting	Round	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Threaded
Overall Length	14.40 in	Frame Length	10.00 in
Shaft Diameter	0.625 in	Shaft Extension	0.91 in
Connection Drawing	D0000026-001	Outline Drawing	B2984-S01

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



(TWO SPEED)

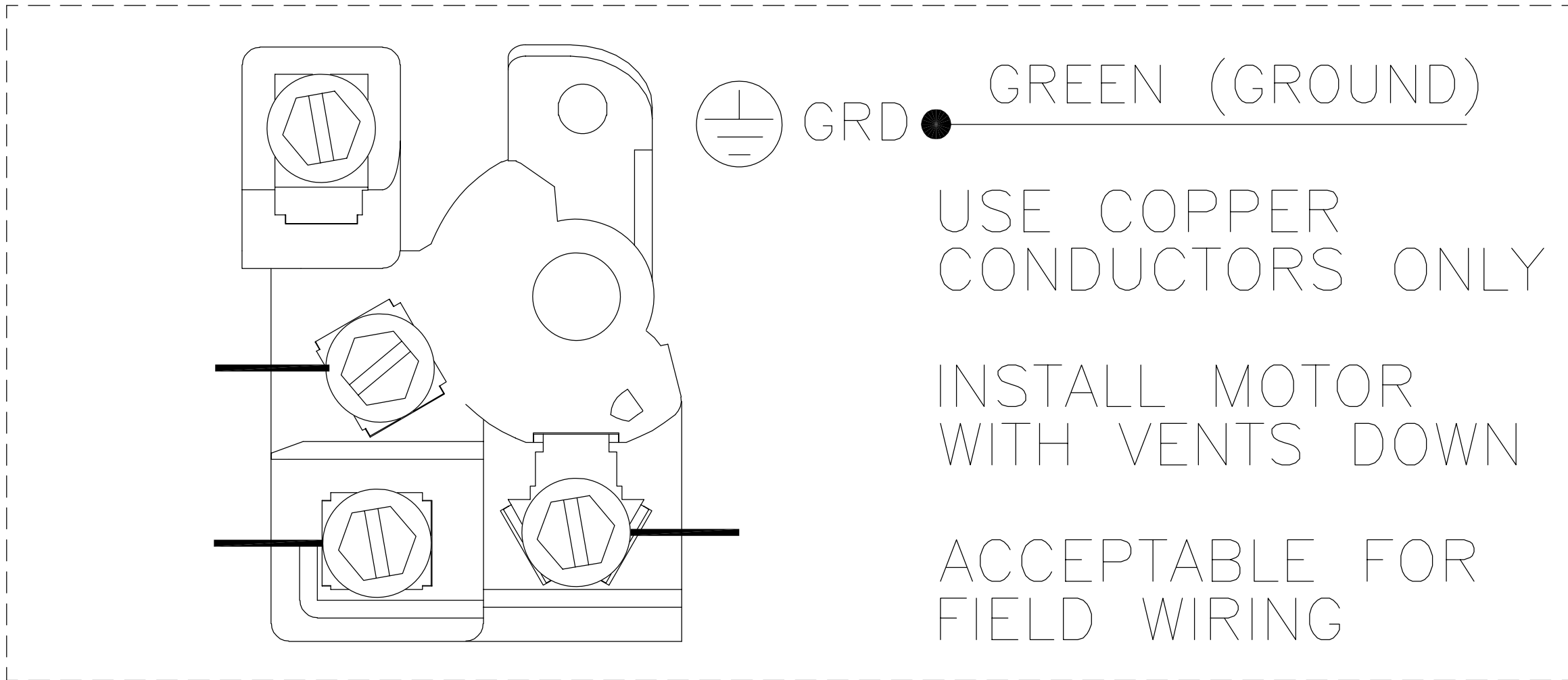
GEOMETRIC CHARACTERISTICS & SYMBOLS
 ▭ FLATNESS
 — STRAIGHTNESS
 < ANGULARITY
 ⊥ PERPENDICULARITY (SQUARENESS)
 // PARALLELISM
 ○ ROUNDNESS (CIRCULARITY)
 ∅ CYLINDRICITY
 △ PROFILE OF ANY SURFACE
 ∩ PROFILE OF ANY LINE
 ↑ RUNOUT
 ⊕ TRUE POSITION
 ◎ CONCENTRICITY
 = SYMMETRY

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 125 mm 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 <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPTION CONN DIAGRAM - NAMEPLATE			
SIZE A	DWG NO D0000026-001		SHEET 1
SCALE NONE			

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



(DOS VELOCIDADES)

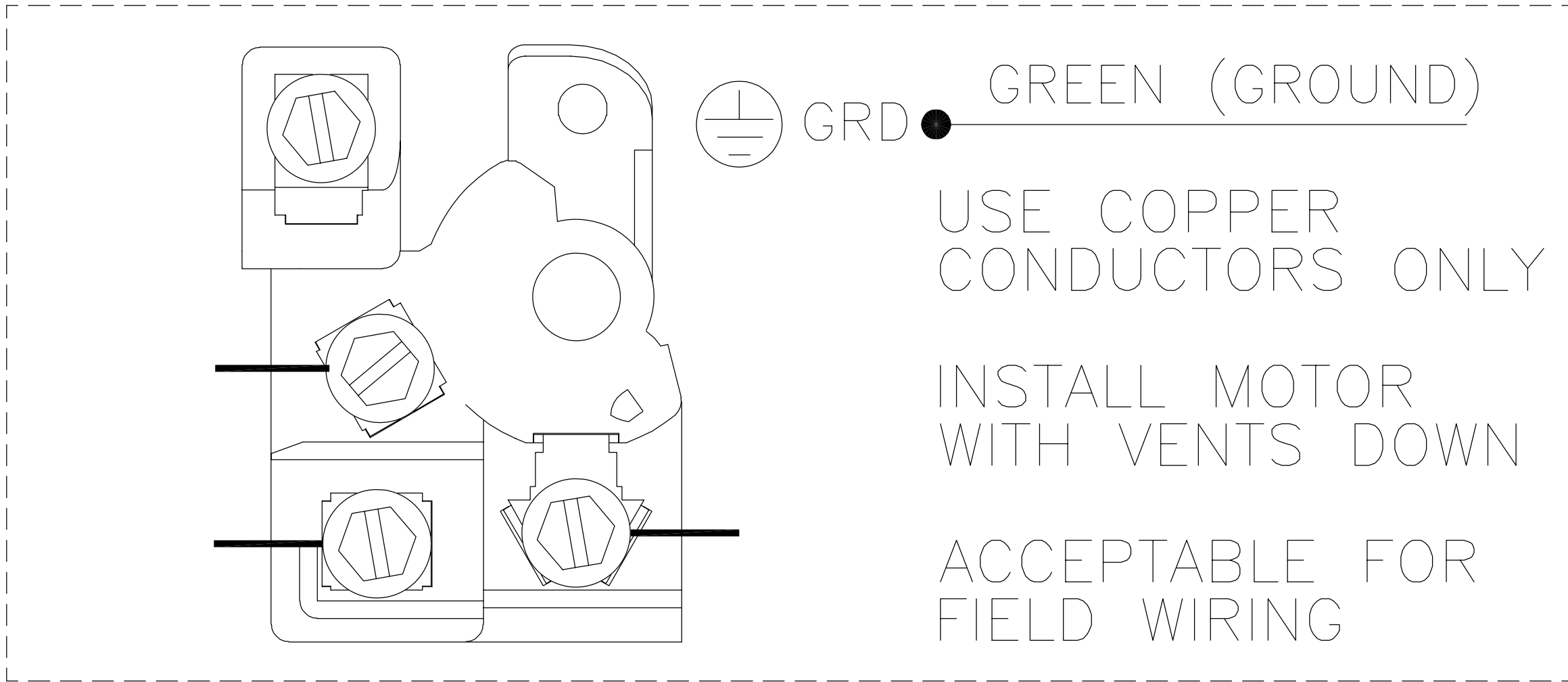
CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS
 ▽ PLANICIDAD
 — RECTITUD
 < ANGULARIDAD
 ⊥ PERPENDICULARIDAD (A ESCUADRA)
 // PARALELISMO
 ○ REDONDEZ (CIRCULARIDAD)
 ⌀ CILINDRICIDAD
 △ PERFIL DE CUALQUIER SUPERFICIE
 ∩ PERFIL DE CUALQUIER LINEA
 ↑ VARIACION
 ⊕ POSICION REAL
 ⊙ CONCENTRICIDAD
 = SIMETRIA

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
 APROBADO POR: M. OVERHOLSER 07-15-2008
 TERCER ANGULO DE PROYECCION FECHA EDS: 02-22-2008
 REV. FORMATO: F
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ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPCION: CONN DIAGRAM - NAMEPLATE	
TAMAÑO: A	NUMERO DE DIBUJO: D0000026-001
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



- 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:

	X	XX	XXX	XXXX
英寸	±.1	±.02	±.005	±.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:	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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ASME Y14.5M 1994		

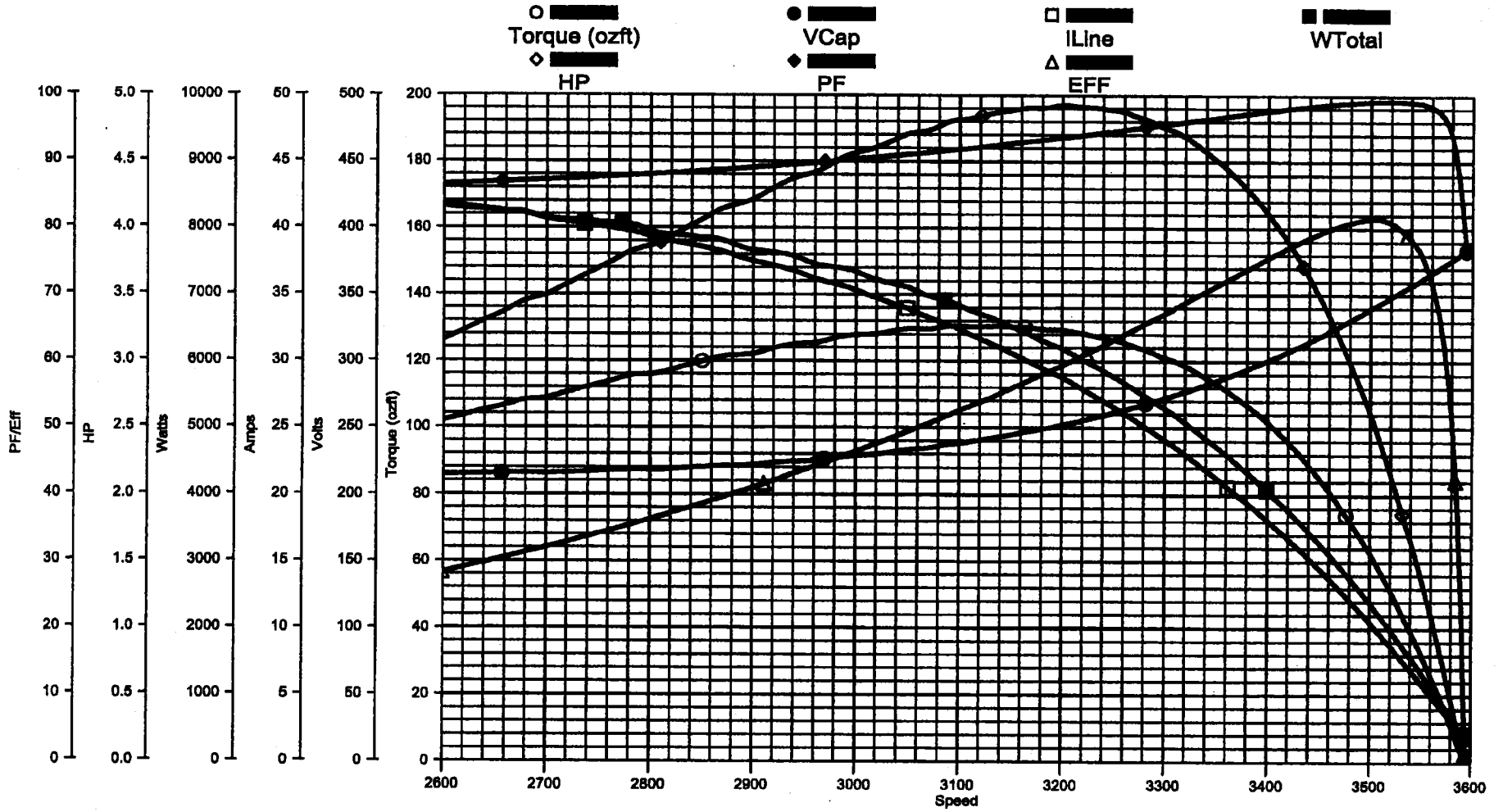
		ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
名称		CONN DIAGRAM - NAMEPLATE	
图幅	A	图号	D0000026-001
比例	NONE	页号	1

AO Smith

B2242
F56AA56

Performance Test Project: CSR-0000312 (High Speed)

Friday, September 25, 2009 03:27 AM



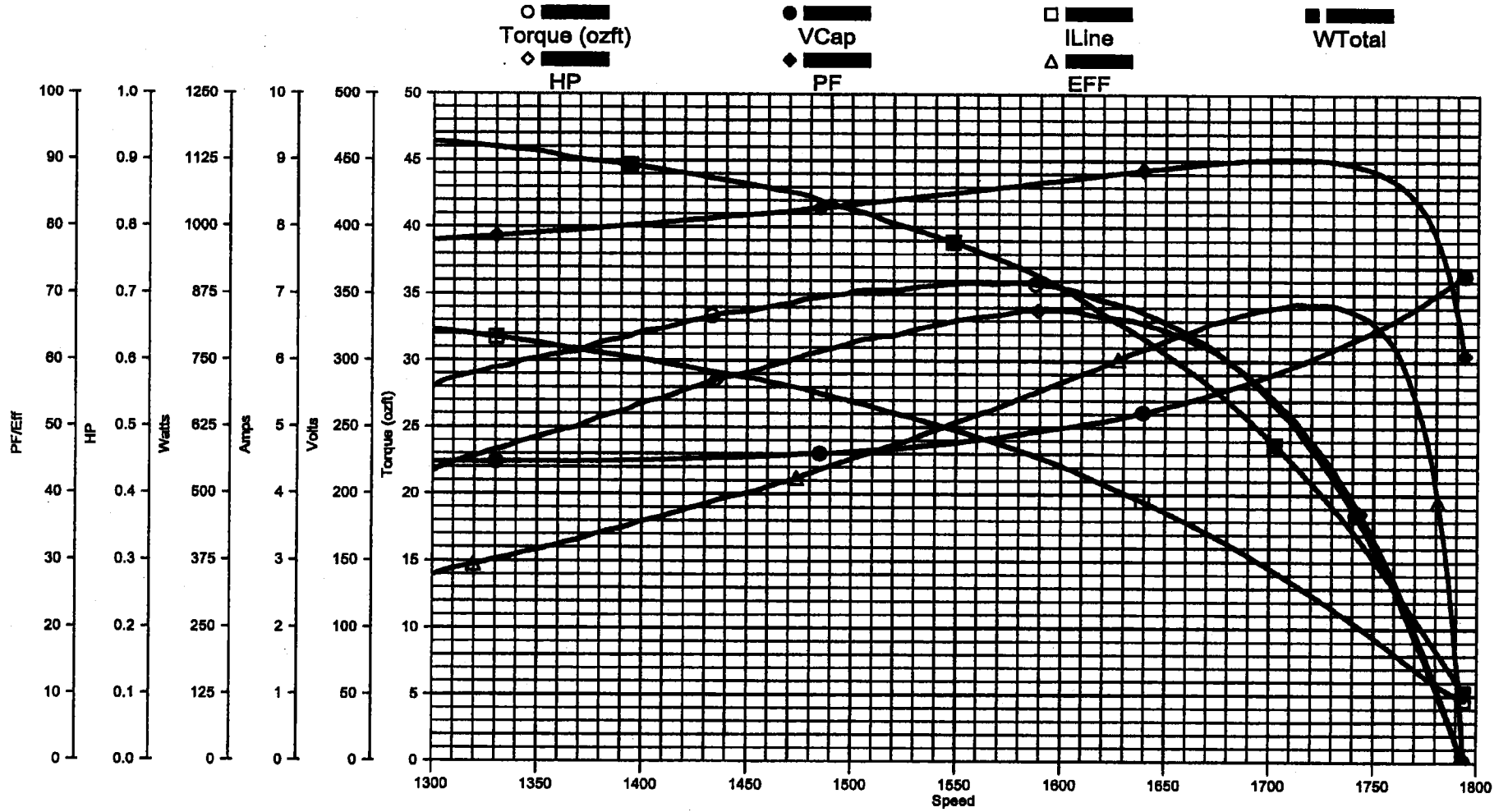
TRACKING #: 10077117	CUSTOMER:	DESCRIPTION: OFFSET
SBU: Pump	MODEL:	BDT: 130.44
ENGINEER: DWAYNE FOX	FRAME: Y56Y	MT: 130.60
TECHNICIAN: SCOTT BARNETT	PHASES: 1	SF: 62.40
BENCH: 2	HP: 2.00	LRT: 0.00
TORQUE CELL: 500-1 inlb	VOLTS: 230.0	LRA: 0.00
NP RPM: 3450	HERTZ: 60	PUT: 0.00
# SPEEDS: 2	START CAP: 189.00	COMMENT1:
MOTOR #: 1	RUN CAP: 35.00	COMMENT2:
TYPE: CXCP	COMMENT3:	COMMENT4:

AO Smith

B2242
F56AA56

Performance Test Project: CSR-0000312 (Low Speed)

Friday, September 25, 2009 03:52 AM



TRACKING #: 10077117
 SBU: Pump
 ENGINEER: DWAYNE FOX
 TECHNICIAN: SCOTT BARNETT
 BENCH: 2
 TORQUE CELL: 500-1 inlb
 NP RPM: 1725
 # SPEEDS: 2
 MOTOR #: 1
 TYPE: CXCP

CUSTOMER:
 MODEL:
 FRAME: Y56Y
 PHASES: 1
 HP: 0.25
 VOLTS: 230.0
 HERTZ: 60
 START CAP: 189.00
 RUN CAP: 10.00
 COMMENT3:

DESCRIPTION: OFFSET
 BDT: 35.88
 MT: 35.88
 SF: 15.60
 LRT: 0.00
 LRA: 0.00
 PUT: 0.00
 COMMENT1:
 COMMENT2:
 COMMENT4: