

PRODUCT INFORMATION PACKET



Model No: SQ1152
Catalog No: SQ1152
Pool Pump Motor, 1 1/2 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 48Y Frame, ODP



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Nameplate Specifications

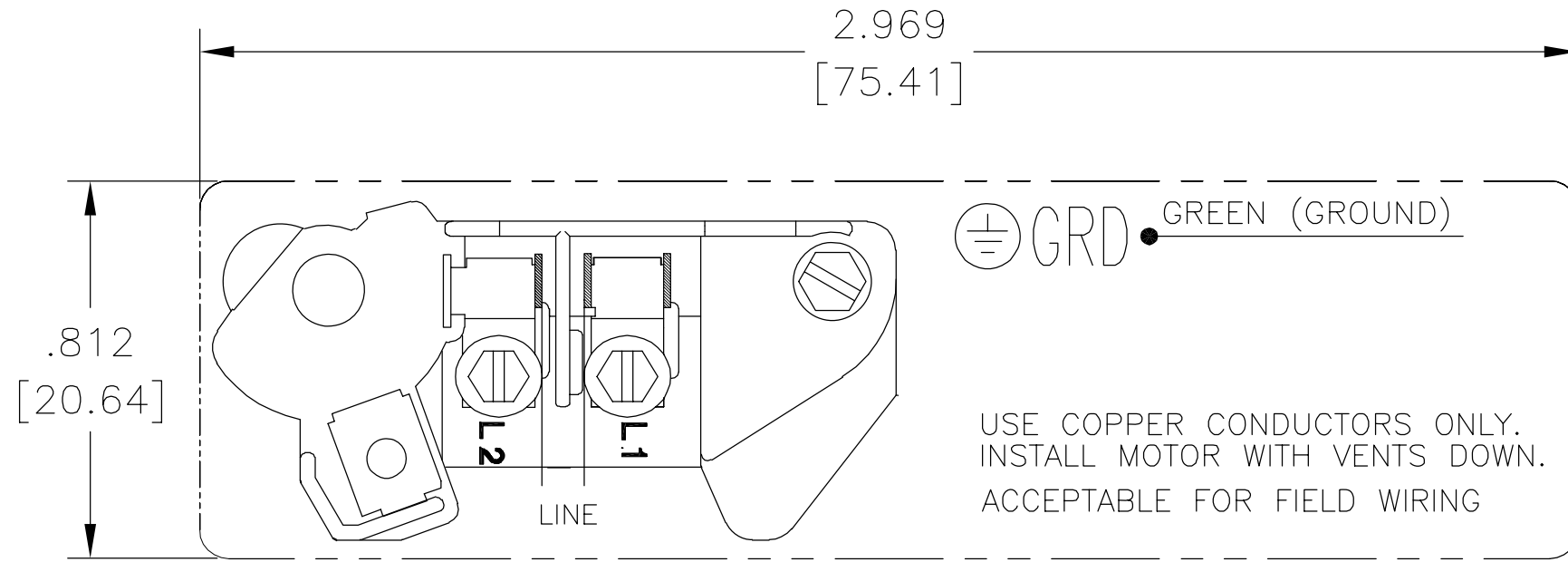
Output HP	1 1/2 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230 V
Current	10.4 A	Speed	3450 rpm
Service Factor	1.47	Phase	1
Efficiency	74.4 %	Duty	Continuous
Insulation Class	B	Frame	48Y
Enclosure	Open Drip Proof	Thermal Protection	Automatic
Ambient Temperature	50 °C	UL	Recognized
CSA	Y	Number of Speeds	1

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Counterclockwise Pump End
Mounting	Round	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	1/2 Thread
Overall Length	13.94 in	Frame Length	10.06 in
Shaft Diameter	0.625 in	Shaft Extension	0.906 in
Outline Drawing	SQ1152	Connection Drawing	627103-007

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REV	ECO	REV BY	DATE	APPD	DATE
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



230 VOLTAGE – SINGLE SPEED

NOTE:

1. FOR USE WITH 616231 NAME PLATE 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:

	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
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CORNER FILLETS TO:

INCH	.020	mm	0.5
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MACHINE SURFACES:

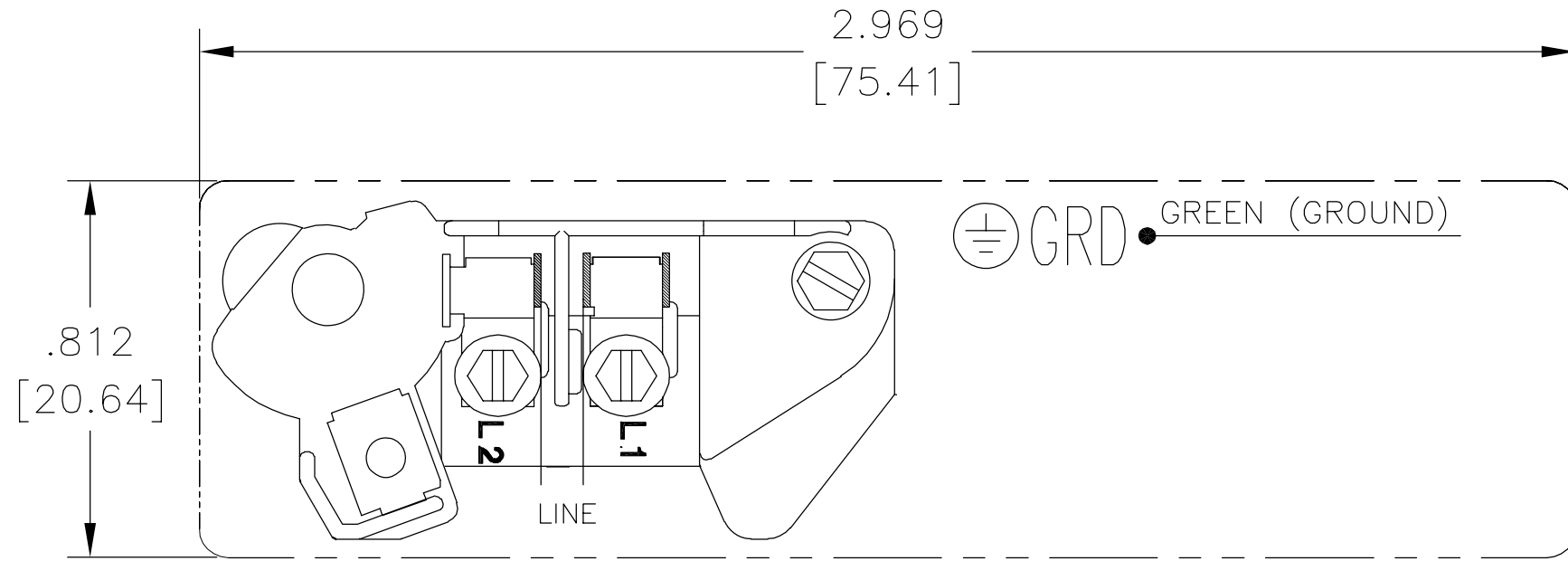
INCH	125	mm	3.2
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METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	Daniel Muñoz	04-13-2009
APPD:		
THIRD ANGLE PROJECTION		EDS DATE 02-22-2009 FORMAT REV F
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		ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPTION CONNECTION DIAGRAM EXTERNAL			
SIZE A	DWG NO 627103-007		
SCALE NONE			SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



VOLTAJE 230 – VELOCIDAD SENCILLA

NOTAS:

1. PARA USARSE CON LA PLACA DE DATOS EN BLANCO 616231.
2. — — — — INDICA LIMITES DIMENSIONALES.
3. EL DADO DEBE PRODUCIR UNA IMPRESION 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

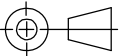
A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:


	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.

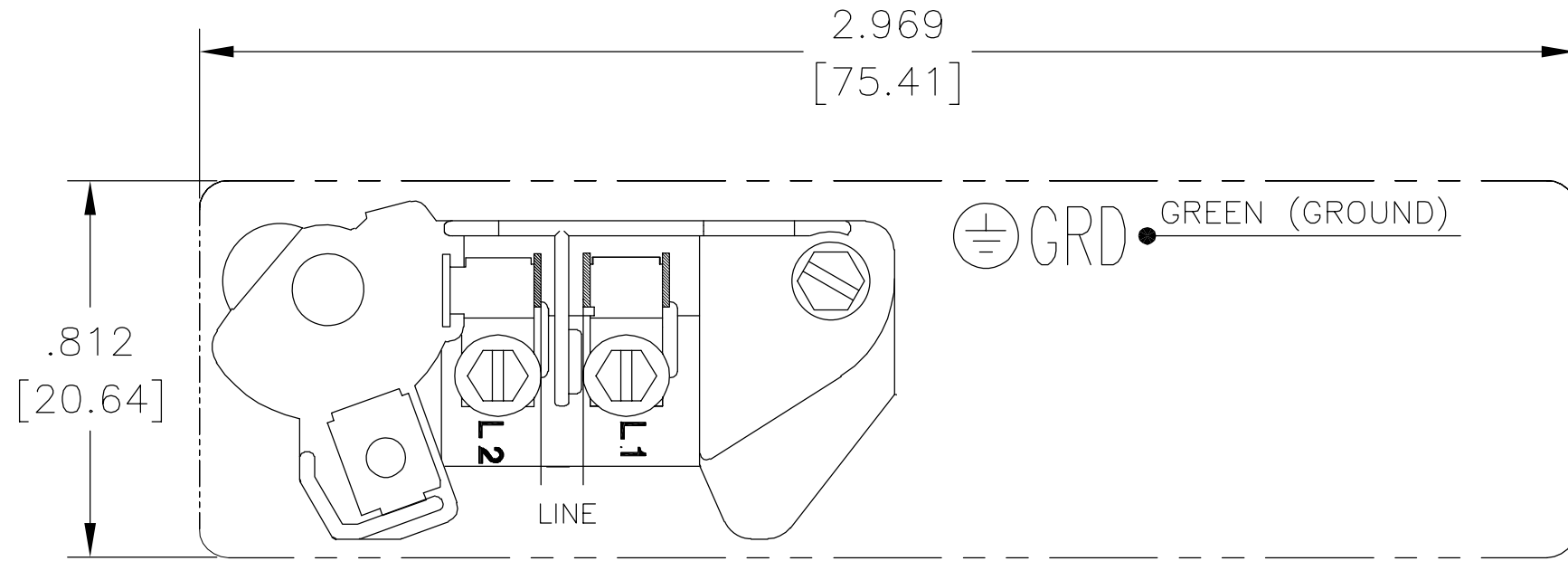
PULG .003-.015 mm 0.1-0.4
FILETEAR ESQUINA: PULG .020 mm 0.5
MAQUINAR SUPERFICIES
PULG 125 mm 3.2

DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR: Daniel Muñoz	04-13-2009
APROBADO POR:	
TERCER ANGULO DE PROYECCION	
FECHA EDS: 02-22-2009	REV. FORMATO: F
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 ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPCION: CONNECTION DIAGRAM EXTERNAL	
TAMAÑO: A	NUMERO DE DIBUJO: 627103-007
ESCALA:NONE	HOJA: 1

版本	ECO	编制	日期	批准	日期
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



- 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 []

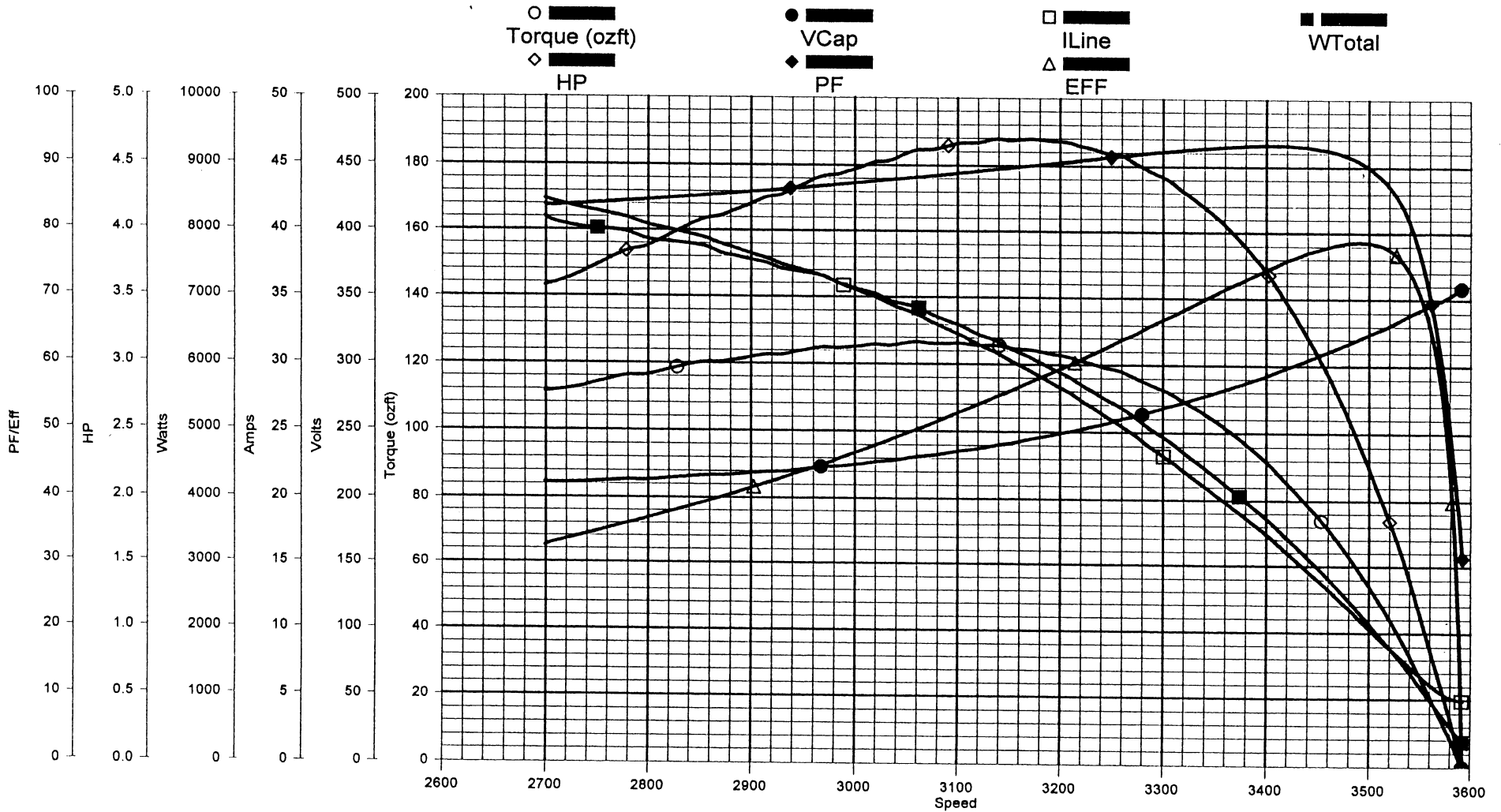
绘图:	Daniel Muñoz	04-13-2009
批准:		
第三角投影		图纸格式发布日期 02-22-2009 图纸格式版本 F
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 innovation has a name.		ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
名称		CONNECTION DIAGRAM EXTERNAL	
图幅	A	图号	627103-007
比例	NONE	页号	1

AO Smith

Performance Down Project: 0441937 (High Speed)

Friday, April 30, 2004 06:25 AM



TRACKING #: 10024597
 SBU: Pump
 ENGINEER: JOE MINOGUE
 TECHNICIAN: DAN
 BENCH: 2
 TORQUE CELL: 500 lb-in
 NP RPM: 3450
 # SPEEDS: 1
 MOTOR #: 1
 TYPE: UAK

CUSTOMER:
 MODEL: 0441937A
 FRAME: 48
 PHASES: 1
 HP: 1.50
 VOLTS: 230.0
 HERTZ: 60
 START CAP: 36.00
 RUN CAP: 20.00
 COMMENT3:

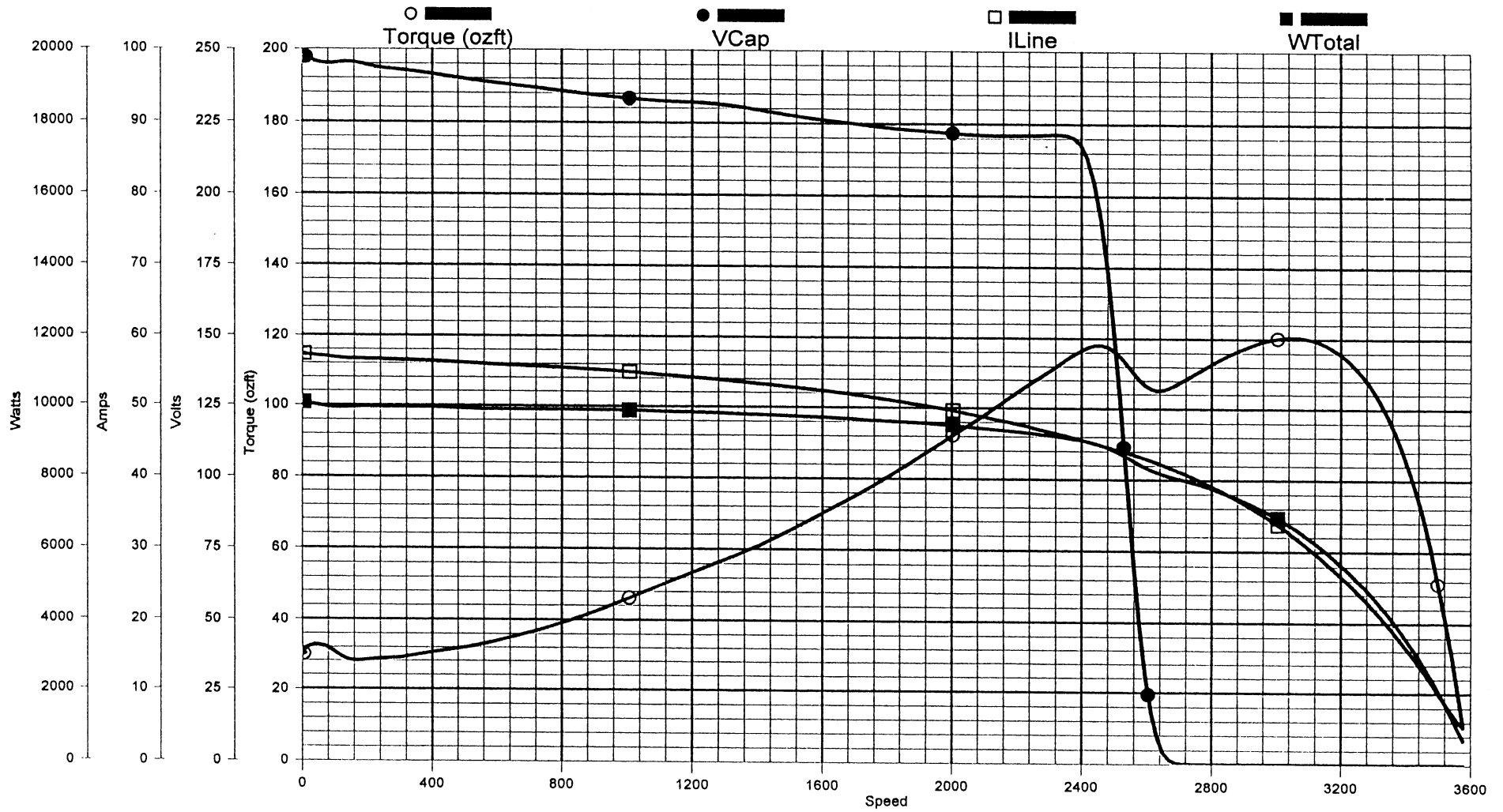
LOCK TORQUE: 30.0 oz-ft
 LOCK AMPS: 56.5A
 BREAKDOWN TORQUE: 126.3 oz-ft

DESCRIPTION: OFFSET
 BDT: 126.32
 MT: 126.61
 SF: 85.44
 LRT: 0.00
 LRA: 0.00
 PUT: 0.00
 COMMENT1:
 COMMENT2:
 COMMENT4:

AO Smith

Performance Up Project: 0441937 (High Speed)

Friday, April 30, 2004 06:29 AM



TRACKING #: 10024597
 SBU: Pump
 ENGINEER: JOE MINOGUE
 TECHNICIAN: DAN
 BENCH: 2
 TORQUE CELL: 500 lb-in
 NP RPM: 3450
 # SPEEDS: 1
 MOTOR #: 1
 TYPE: UAK

CUSTOMER:
 MODEL: 0441937A
 FRAME: 48
 PHASES: 1
 HP: 1.50
 VOLTS: 230.0
 HERTZ: 60
 START CAP: 36.00
 RUN CAP: 20.00
 COMMENT3:

DESCRIPTION: 0-SYNC
 BDT: 120.52
 MT: 120.52
 SF: 85.44
 LRT: 29.71
 LRA: 57.36
 PUT: 28.01
 COMMENT1:
 COMMENT2:
 COMMENT4: