

PRODUCT INFORMATION PACKET



Model No: H979L

Catalog No: H979L

OEM Replacement Motor, 5.0 HP, 3 Ph, 60 Hz, 208-230/460 V, 1800 RPM, Y56Y Frame, ODP



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Nameplate Specifications

Output HP	5.0 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	14.5-14.4/7.2 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Duty	Continuous	Insulation Class	B
Frame	Y56Y	Enclosure	Open Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

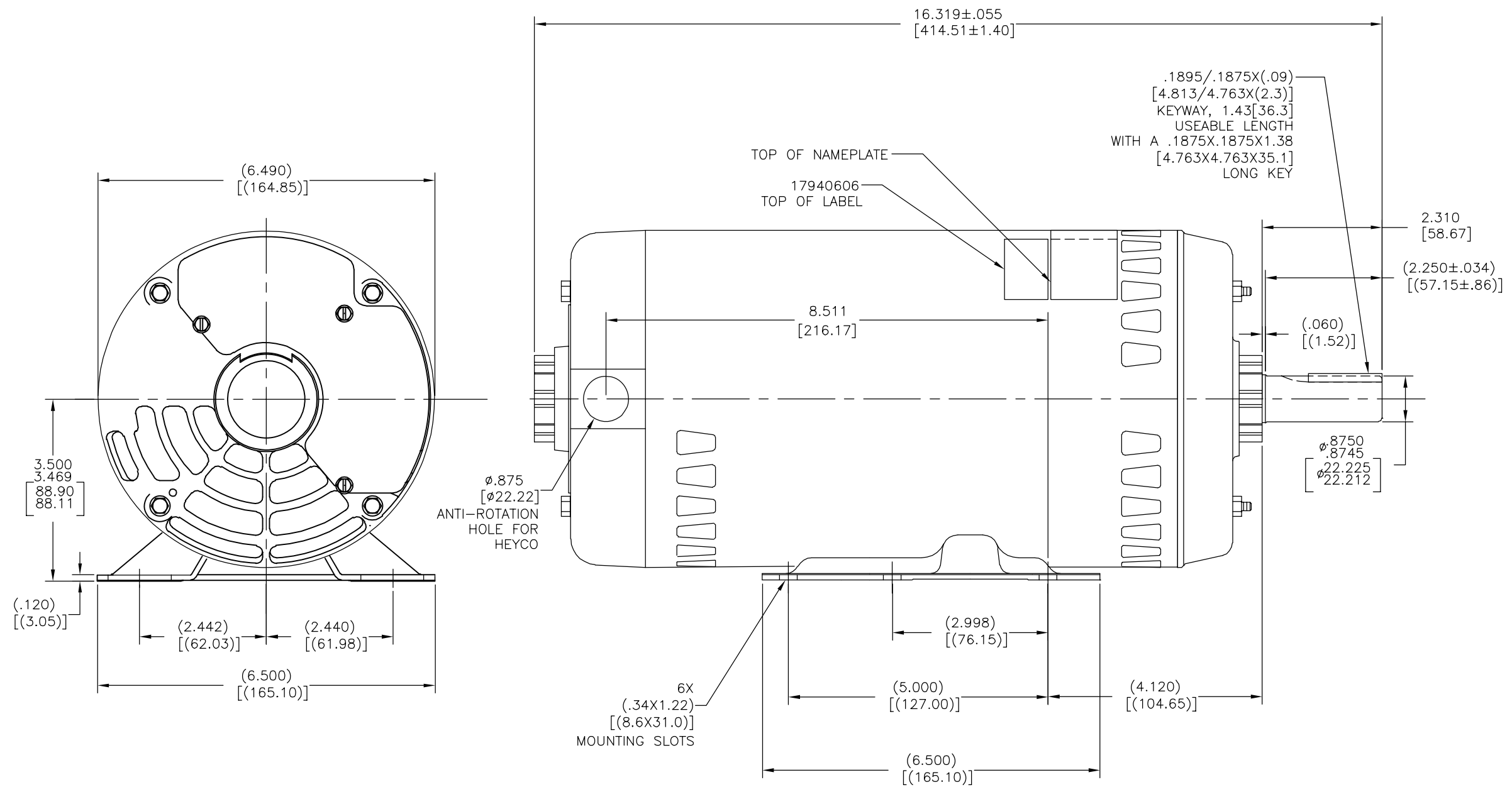
Technical Specifications

Electrical Type	Polyphase, Induction Type, Single Or Dual Voltage	Starting Method	Across The Line
Poles	4	Rotation	Reversible Counterclockwise
Mounting	Rigid Base	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	16.32 in
Frame Length	10.38 in	Shaft Diameter	0.875 in
Shaft Extension	2.31 in		
Connection Drawing	17564815.PCX	Outline Drawing	H979L

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REV	ECO	REV BY	DATE	APPD	DATE
D	ECO-0026845	K.PALOMO	06-12-2012	S.JIMENEZ	06-12-2012

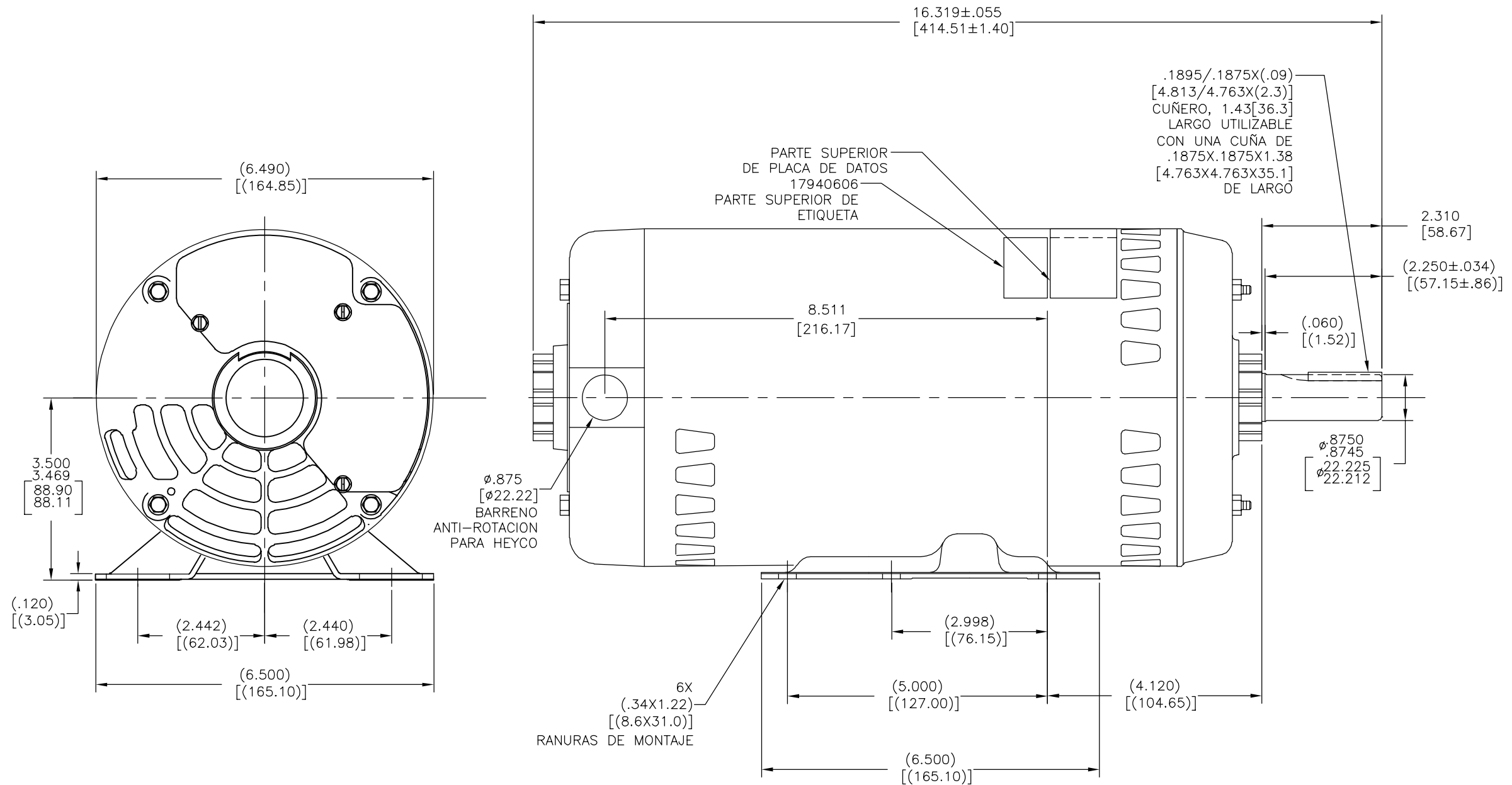
NOTE:
1. ALL DIMENSIONS SHOWN IN PARENTHESIS ARE REFERENCE DIMENSIONS.



<p>GEOMETRIC CHARACTERISTICS & SYMBOLS</p> <ul style="list-style-type: none"> FLATNESS STRAIGHTNESS ANGULARITY PERPENDICULARITY (SQUARENESS) PARALLELISM ROUNDNESS (CIRCULARITY) CYLINDRICITY PROFILE OF ANY SURFACE PROFILE OF ANY LINE RUNOUT TRUE POSITION CONCENTRICITY SYMMETRY <p>ASME Y14.5M 1994</p>	<p>UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS:</p> <table border="0"> <tr> <td>INCH</td> <td>±.1</td> <td>±.02</td> <td>±.005</td> <td>±.0005</td> </tr> <tr> <td>mm</td> <td>±0.5</td> <td>±0.13</td> <td>±0.013</td> <td></td> </tr> </table> <p>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</p> <p>METRIC DIMS. SHOWN IN [BRACKETS]</p>	INCH	±.1	±.02	±.005	±.0005	mm	±0.5	±0.13	±0.013		DR BY: JL	05-20-2010	<p>REGAL-BELOIT CORPORATION</p>
		INCH	±.1	±.02	±.005	±.0005								
		mm	±0.5	±0.13	±0.013									
		APPD: KX	05-20-2010	DESCRIPTION	MODEL-CFHP-56FR OUTLINE									
THIRD ANGLE PROJECTION	EDS DATE 11-11-2011 FORMAT REV H	SIZE C	DWG NO H979L	<p>CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF REGAL-BELOIT CORPORATION AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF REGAL-BELOIT CORPORATION. -ALL RIGHTS RESERVED.</p>										
SCALE NONE		SHEET 1												

REVISION:	ECO	REVISADO POR:	K.PALOMO	FECHA:	06-12-2012	APROBADO POR:	S.JIMENEZ	FECHA:	06-12-2012
D	ECO-0026845								

NOTA:
1. TODAS LAS DIMENSIONES MOSTRADAS ENTRE PARENTESIS SON DIMENSIONES DE REFERENCIA.



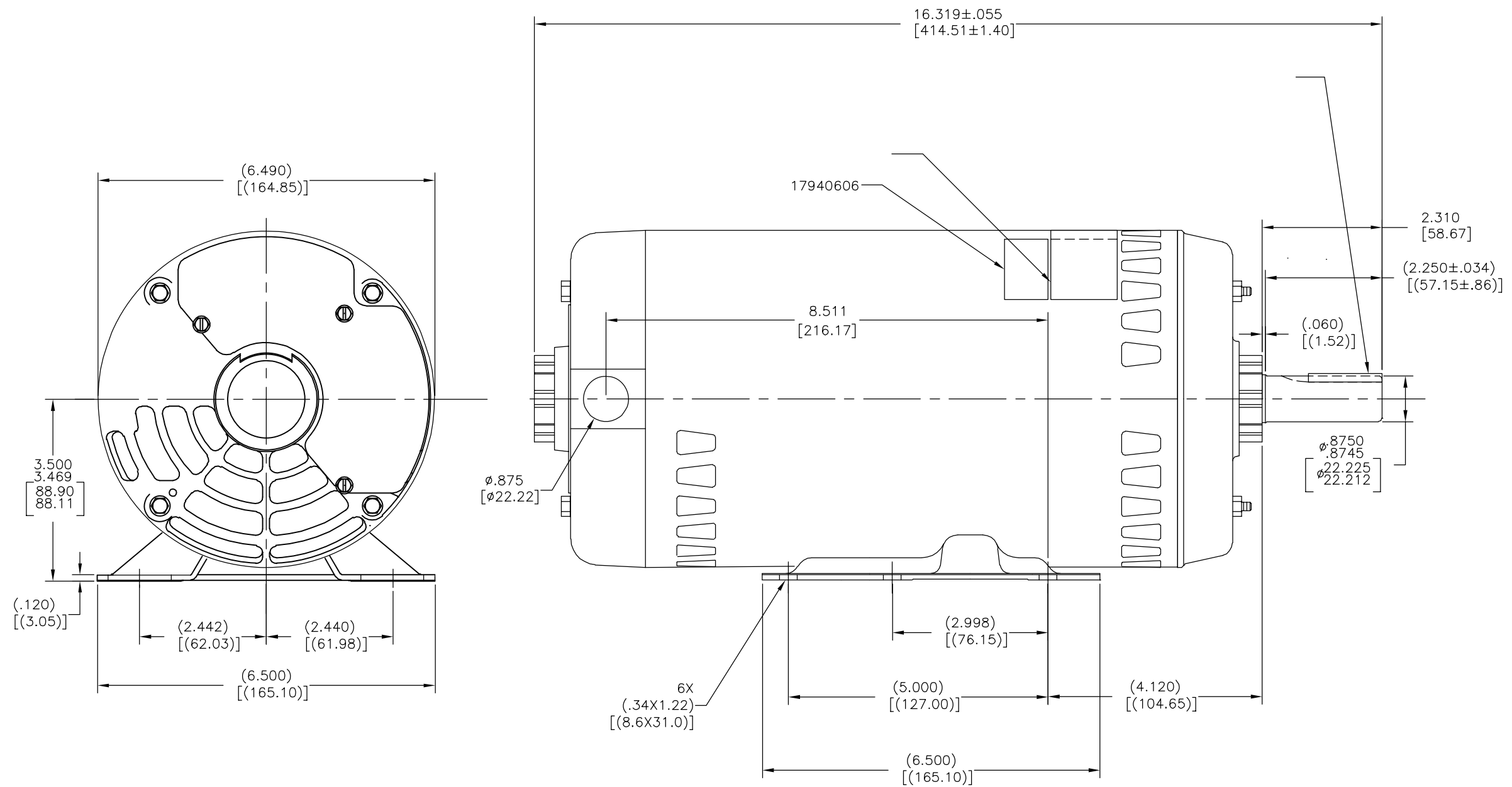
CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS	
▧	PLANICIDAD
—	RECTITUD
∠	ANGULARIDAD
⊥	PERPENDICULARIDAD (A ESCUADRA)
∥	PARALELISMO
○	REDONDEZ (CIRCULARIDAD)
⊘	CILINDRICIDAD
△	PERFIL DE CUALQUIER SUPERFICIE
∩	PERFIL DE CUALQUIER LINEA
↑	VARIACION
⊕	POSICION REAL
⊙	CONCENTRICIDAD
≡	SIMETRIA

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:	JL	05-20-2010
APROBADO POR:	KX	05-20-2010
TERCER ANGULO DE PROYECCION	⊕	FECHA EDS: 11-11-2011 REV. FORMATO: H
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REGAL-BELOIT CORPORATION	
DESCRIPCION:	
MODEL-CFHP-56FR OUTLINE	
TAMAÑO: C	NUMERO DE DIBUJO: H979L
ESCALA: NONE	HOJA: 1

版本	ECO	编制	日期	批准	日期
D	ECO-0026845	K.PALOMO	06-12-2012	S.JIMENEZ	06-12-2012



- 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

ASME Y14.5M 1994

除另有注明
尺寸公差如下:
英寸 X XX XXX XXXX
毫米 ±.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:	JL	05-20-2010
批准:	KX	05-20-2010
第三角投影		图纸格式发布日期 11-11-2011 图纸格式版本 H
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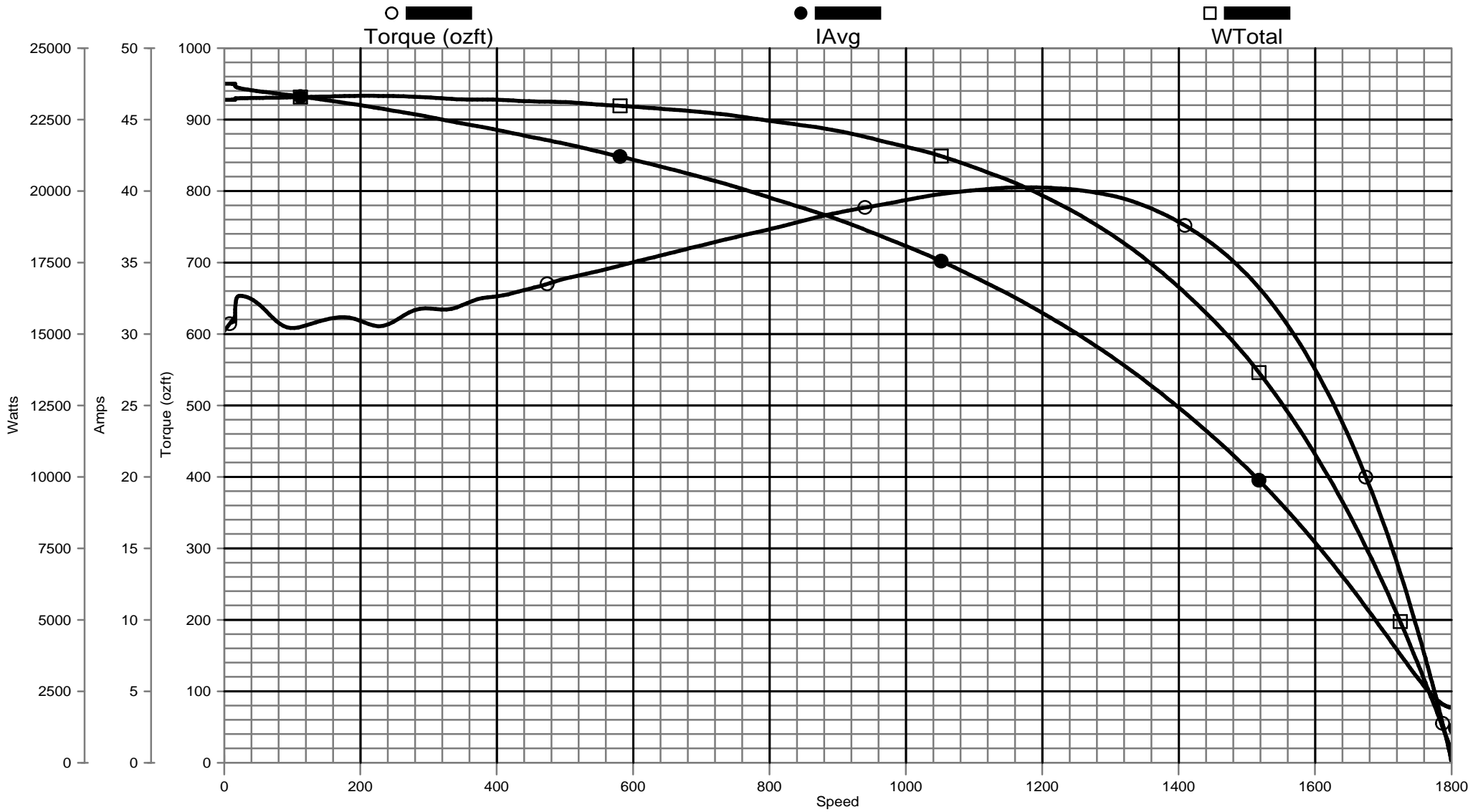
REGAL-BELOIT CORPORATION	
名称	MODEL-CFHP-56FR OUTLINE
图幅	C
图号	H979L
比例	NONE
页号	1

AO Smith

Performance Test

Project: OER-0000615 (High Speed)

Tuesday, June 02, 2009 12:43 AM



TRACKING #: 10076615
 SBU: General Industries
 ENGINEER: STEVE WALLACE
 TECHNICIAN: SCOTT BARNETT
 BENCH: 3
 TORQUE CELL: 2000-2 inlb
 NP RPM: 1725
 # SPEEDS: 1
 MOTOR #: 1
 TYPE: SC

CUSTOMER: H979
 MODEL: X-0000563
 FRAME: Y56Y
 PHASES: 3
 HP: 5.00
 VOLTS: 460.0
 HERTZ: 60
 START CAP: 0.00
 RUN CAP: 0.00
 COMMENT3:

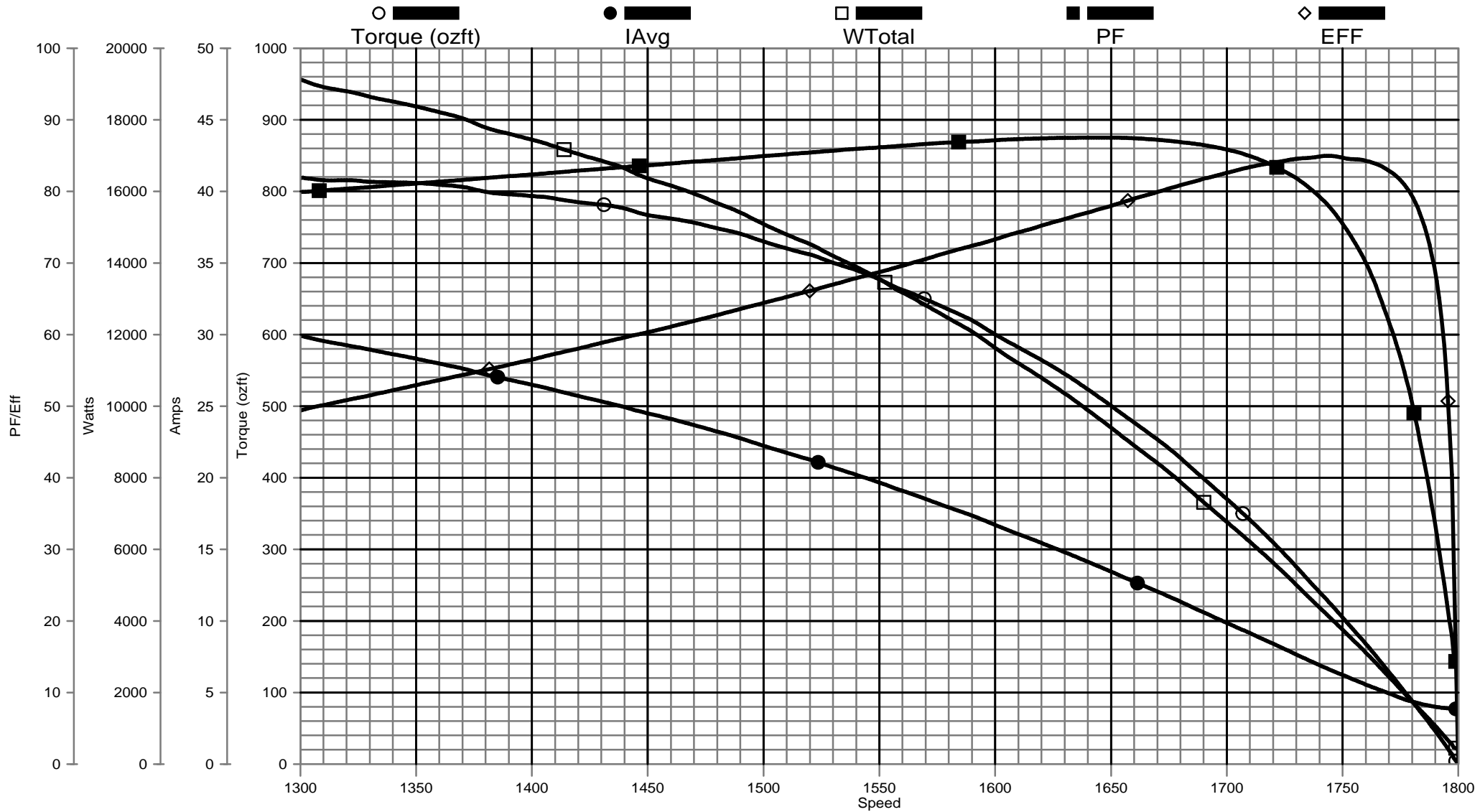
DESCRIPTION: 0-SYNC
 BDT: -0.72
 MT: 805.22
 SF: 276.00
 LRT: 604.21
 LRA: 47.51
 PUT: 604.21
 COMMENT1:
 COMMENT2:
 COMMENT4:

AO Smith

Performance Test

Project: OER-0000615 (High Speed)

Tuesday, June 02, 2009 12:33 AM



TRACKING #: 10076615
 SBU: General Industries
 ENGINEER: STEVE WALLACE
 TECHNICIAN: SCOTT BARNETT
 BENCH: 3
 TORQUE CELL: 2000-2 inlb
 NP RPM: 1725
 # SPEEDS: 1
 MOTOR #: 1
 TYPE: SC

CUSTOMER: H979
 MODEL: X-0000563
 FRAME: Y56Y
 PHASES: 3
 HP: 5.00
 VOLTS: 460.0
 HERTZ: 60
 START CAP: 0.00
 RUN CAP: 0.00
 COMMENT3:

DESCRIPTION: OFFSET
 BDT: 815.58
 MT: 819.14
 SF: 276.00
 LRT: 0.00
 LRA: 0.00
 PUT: 0.00
 COMMENT1:
 COMMENT2:
 COMMENT4: