

PRODUCT INFORMATION PACKET



Model No: E930M2
Catalog No: E930M2
30 HP, General Purpose Motor, 3 phase, 1800 RPM, 575 V, S286T Frame, Drip Proof
General Purpose Motors



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Nameplate Specifications

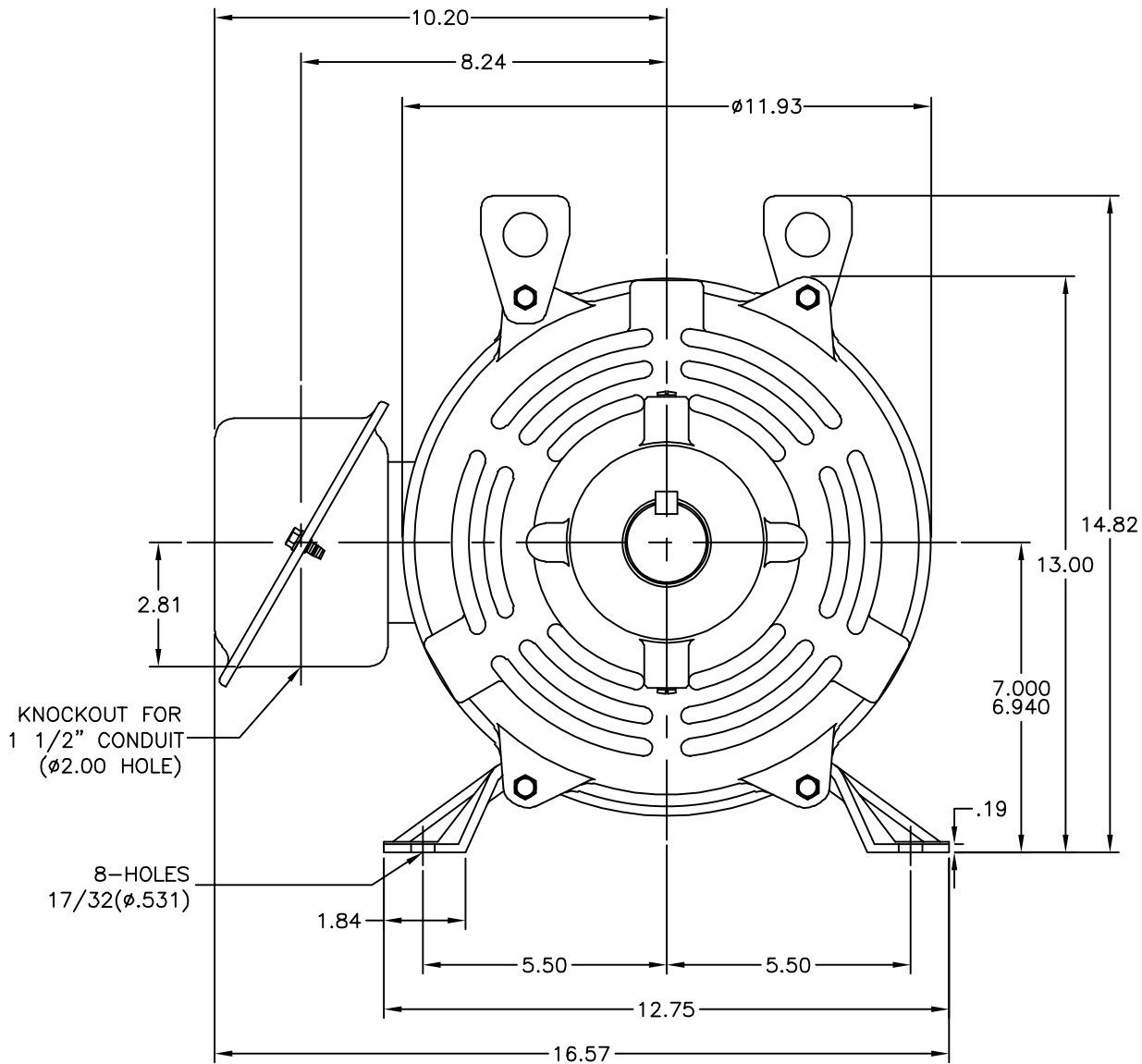
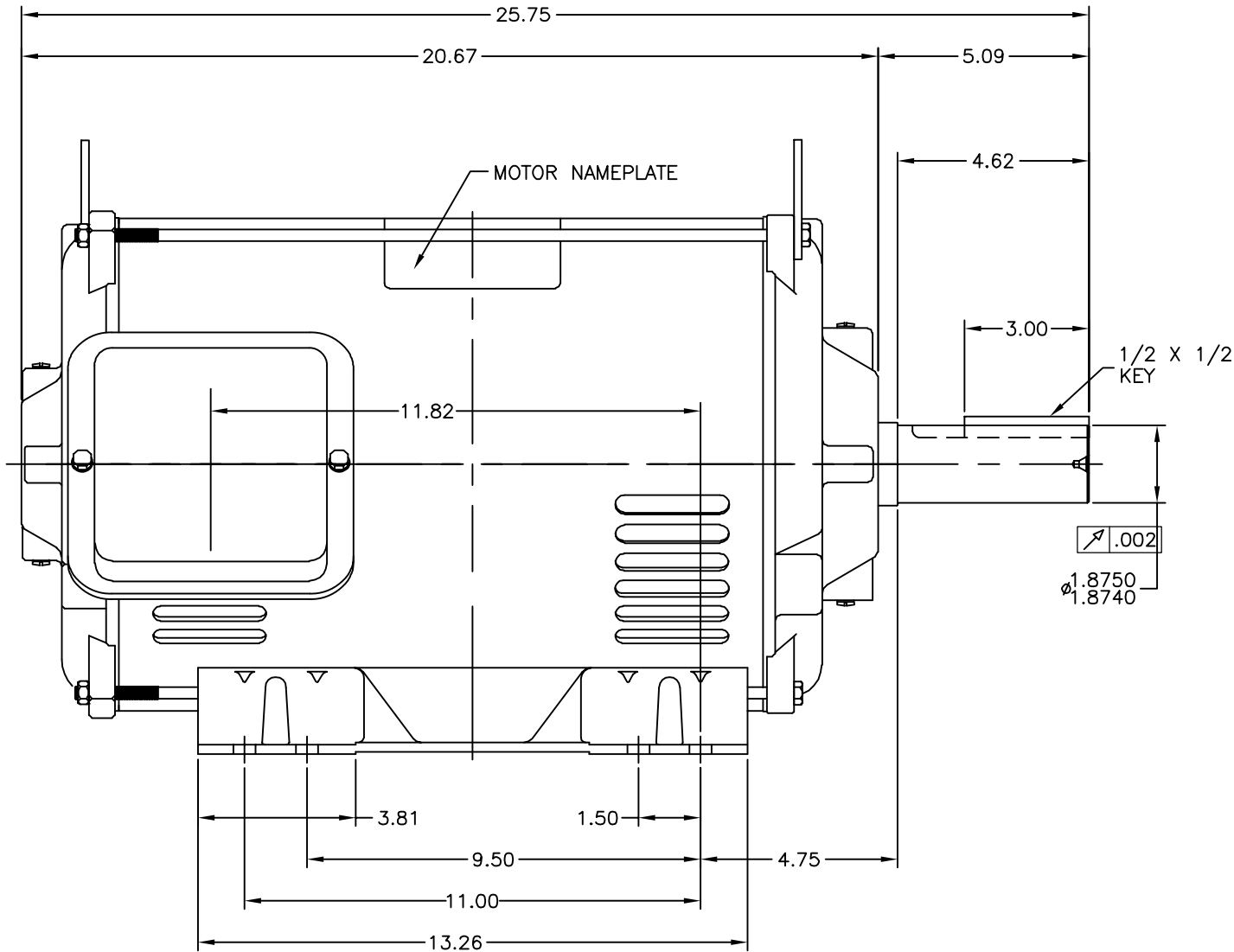
Output HP	30.0 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	575 V
Current	28.5 A	Speed	1770 rpm
Service Factor	1.15	Phase	3
Duty	Continuous	Insulation Class	F
Frame	S286T	Enclosure	Drip Proof
Thermal Protection	None	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Three Phase	Starting Method	Across The Line
Poles	4	Rotation	Counterclockwise
Mounting	Rigid Base	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	25.75 in
Frame Length	15.50 in	Shaft Diameter	1.875 in
Shaft Extension	5.09 in		
Outline Drawing	18771201-001-S01	Connection Drawing	EE7300

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REV	ECO	REV BY	DATE	APPD	DATE
B	0015756	AJB	08-25-2010	AJB	08-25-2010

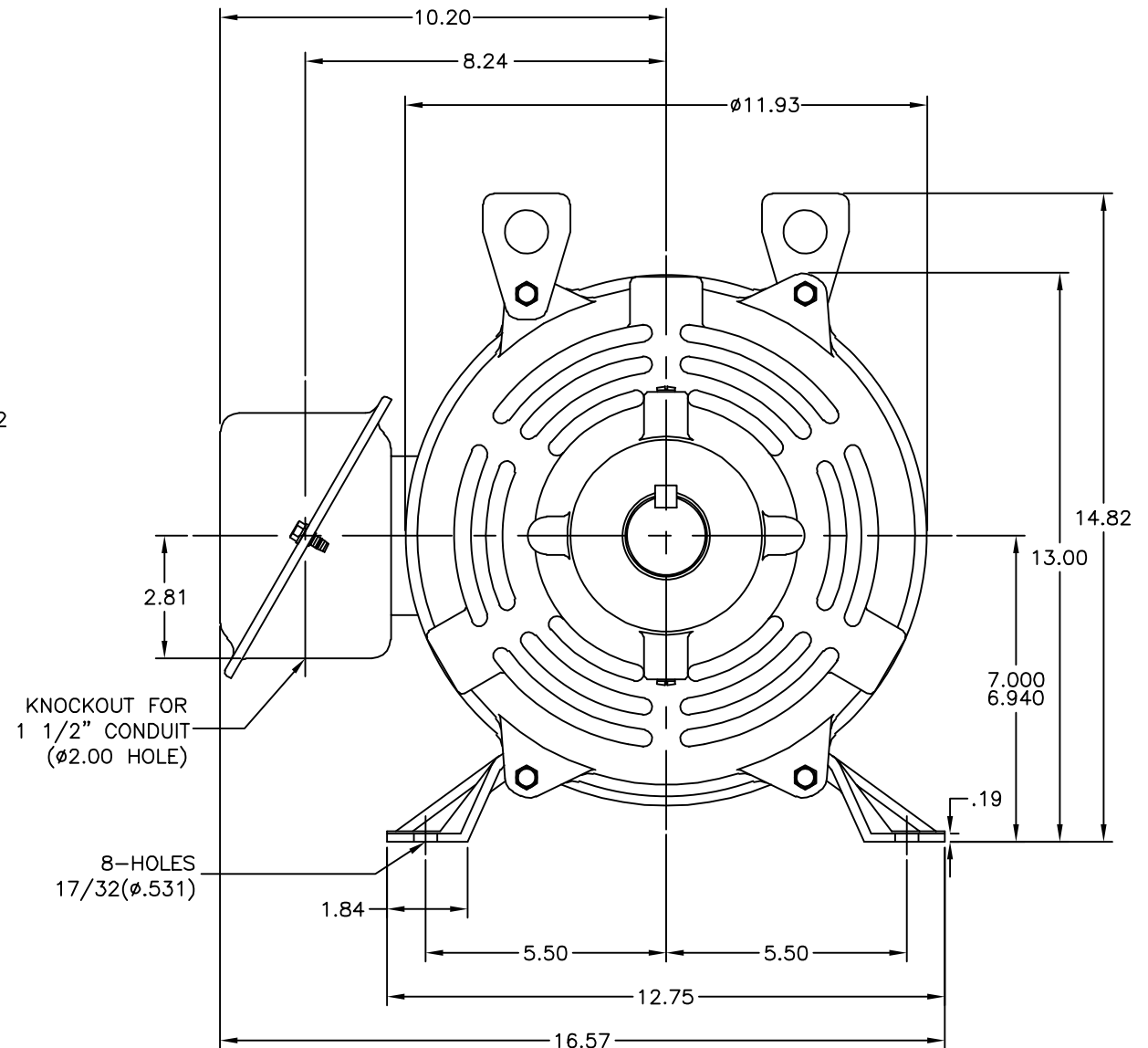


- NOTES:
- 1- SPECIAL CONDUIT BOX MOUNTING.
 - 2- MOTOR VENTILATION: AIR INTAKE THROUGH OPENINGS IN THE FACE OF EACH BRACKET AND EXHAUSTED THROUGH THE VENT SLOTS ON EACH END OF THE SHELL.
 - 3- NOT FIELD CONVERTIBLE TO F2














MOTOR DESCRIPTION:
3 PHASE OPEN DRIPPROOF STEEL SHELL 284T OR 286T MOUNTING.
OTHER MOUNTING ORIENTATIONS ARE ACCEPTABLE; HOWEVER WHEN MOUNTED OTHER THAN HORIZONTAL; MOTOR WILL NOT BE DRIPPROOF AS DEFINED BY NEMA.

CERTIFICATION OF A.C. MOTORS		
CERTIFIED FOR		
SPEC. NO. _____	ORDER NO. _____	
ORDER I.D. _____		EMI _____
TYPE _____	FRAME _____	H.P. _____
R.P.M. _____	VOLTS _____	PHASE _____
HERTZ _____	AMPS _____	CODE _____
REMARKS _____		
APPROVED BY _____ DATE: _____		

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 .1 ±.02 ±.005 ±.0005 mm .003-.015 mm 0.1-0.4 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: RJB	03-31-2004	<div> ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small></div>	
		APPD: JAS	03-31-2004		DESCRIPTION
		THIRD ANGLE PROJECTION 		EDS DATE 02-22-2008 FORMAT REV F	OUTLINE S284T/S286T ODP SPL EE STD
		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	SIZE D DWG NO 18771201-001
					SCALE NONE SHEET 1



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HERTZ _____	AMPS _____	CODE _____
REMARKS _____		
APPROVED BY _____		DATE: _____

CARACTERÍSTICAS DE GEOMETRÍA Y SÍMBOLOS	
	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	± 2	± 0.005	± 0.0005
mm	± 0.5	± 0.13	± 0.13	

ANG. ± 50 GRADOS
 ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE.

PULG.	0.003 – 0.015	mm	0.1 – 0.4
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FILETEAR ESQUINA: PULG. 0.020 mm 0.5

MAQUINAR SUPERFICIES

PULG	125	mm	3.2
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DIMS METRICAS MOSTRADAS (PARENTESIS)

DIBUJADO POR: RJB
APROBADO POR JAS
TERCER ANGULO DE PROYECCION

	03-31-2004	
	03-31-2004	
	FECHA EDS:	
	REV. FORMA:	

1	FE
	RE

FECHA
REV

OS: 0
FORMAT

-22-



AO Smith
Innovation has a name.

**ELECTRICAL PRODUCTS
COMPANY**
A DIVISION OF A. O. SMITH CORPORATION

DESCRIPCION:	
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OUTLINE

S284T/S286T ODP SPL EE STD

DE TAMAÑO: D

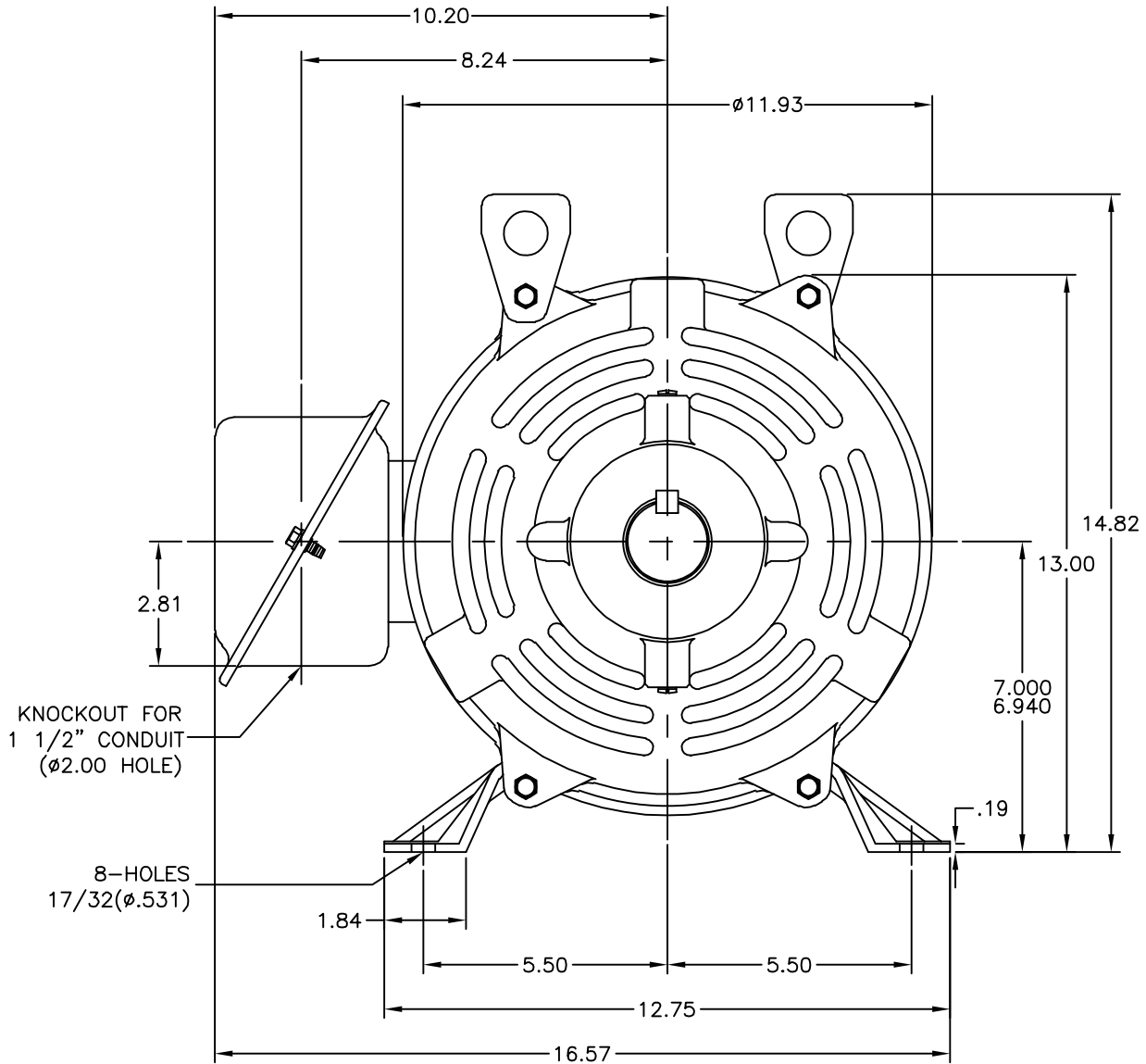
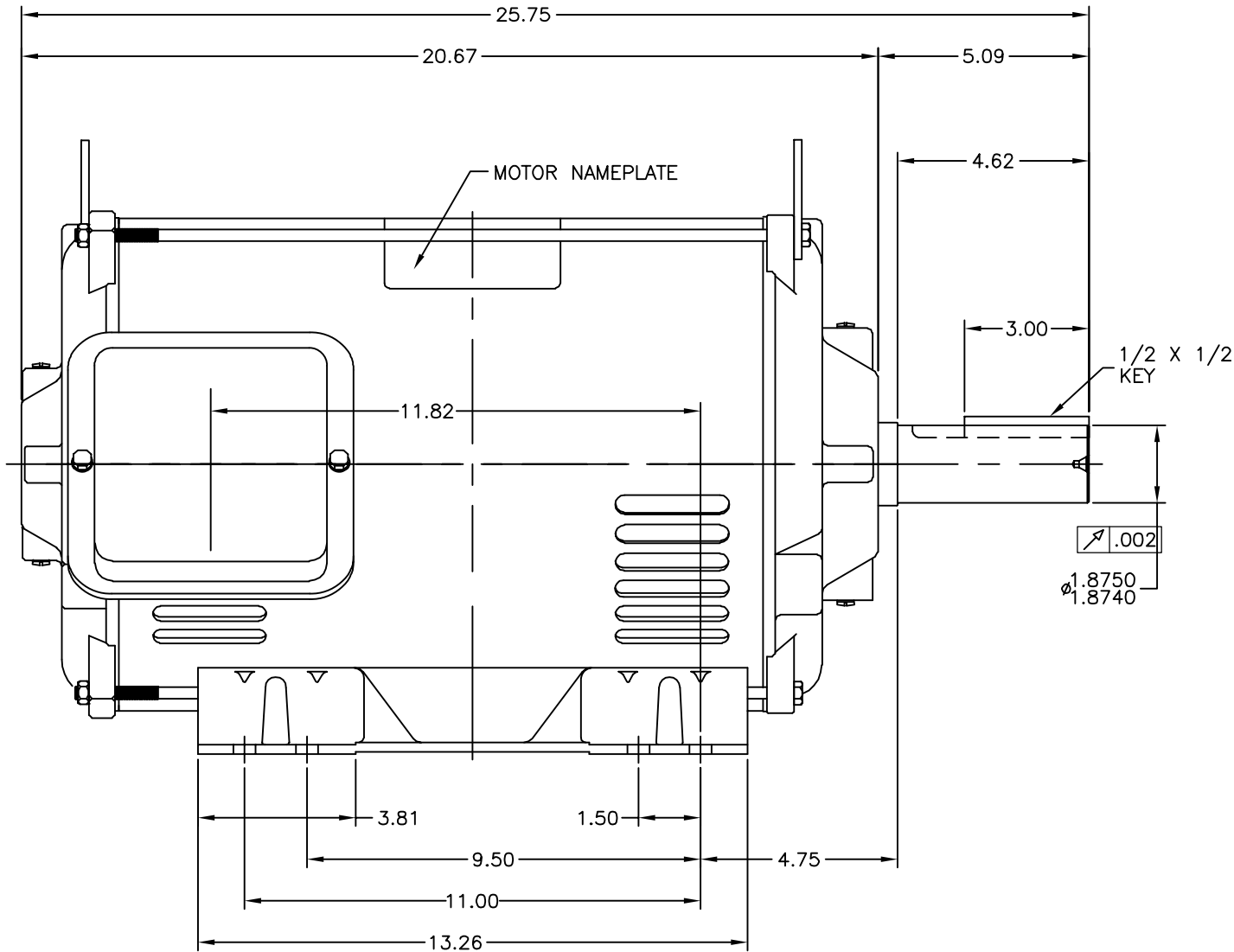
NUMERO DE DIBUJO:

DIBUJO:
18771201-001

ESCALA:NONE

JA: 1

版本	ECO	编制	日期	批准	日期
B	0015756	AJB	08-25-2010	AJB	08-25-2010



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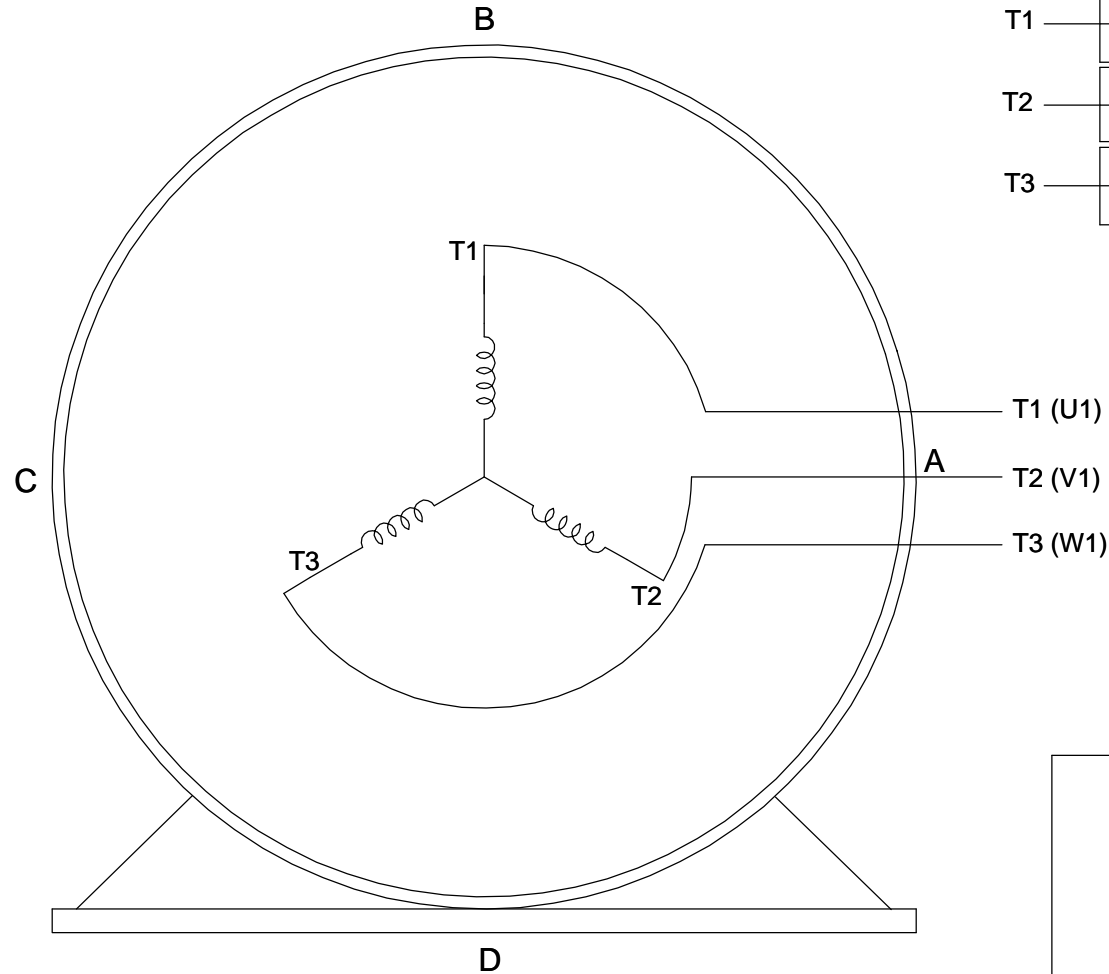
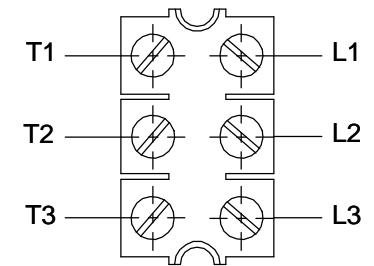
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R.P.M. _____	VOLTS _____	PHASE _____
HERTZ _____	AMPS _____	CODE _____
REMARKS _____		
APPROVED BY _____ DATE: _____		

<p>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</p>	<p>除另有注明 尺寸公差如下:</p> <table><tr><td>英寸</td><td>±.1</td><td>±.02</td><td>±.005</td><td>±.0005</td></tr><tr><td>毫米</td><td>±0.5</td><td>±0.13</td><td>±0.013</td><td></td></tr></table> <p>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 325 米制 3.2 米制尺寸显示在[]</p>	英寸	±.1	±.02	±.005	±.0005	毫米	±0.5	±0.13	±0.013		<p>绘图: RJB 03-31-2004</p> <p>批准: JAS 03-31-2004</p> <p>第三角投影</p> <p>机密: 本图纸及相关信息所有权归A. O. SMITH公司所有。 未经A. O. SMITH公司书面授权, 不得泄露、复制、传播或作其他用途。--版权所有</p> <p>ASME Y14.5M 1994</p>	<p>名称 OUTLINE S284T/S286T ODP SPL EE STD</p> <p>图幅 D 图号 18771201-001</p> <p>比例 NONE 页号 1</p>
	英寸	±.1	±.02	±.005	±.0005								
	毫米	±0.5	±0.13	±0.013									
	<p>图纸格式发布日期 02-22-2008</p> <p>图纸格式版本 F</p>												

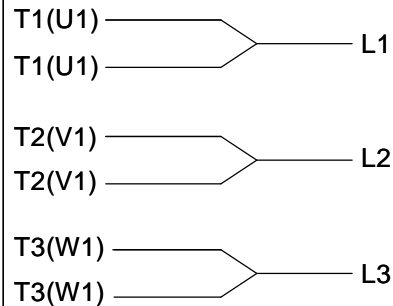
THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

TERMINAL BLOCK WHEN SPECIFIED

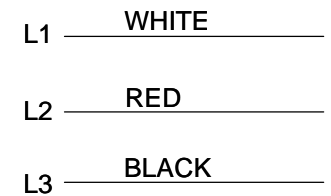


IF MOTOR HAS 6 LEADS



A-9806 DECAL

OPTIONAL CORD CONNECTION



VIEW OF TERMINAL END

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL PROCESS/FINISH

SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1
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