

PRODUCT INFORMATION PACKET



Model No: E515M2
Catalog No: E515M2
30 HP, General Purpose Motor, 3 phase, 1800 RPM, 200 V, S286T Frame, Drip Proof
General Purpose Motors



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Nameplate Specifications

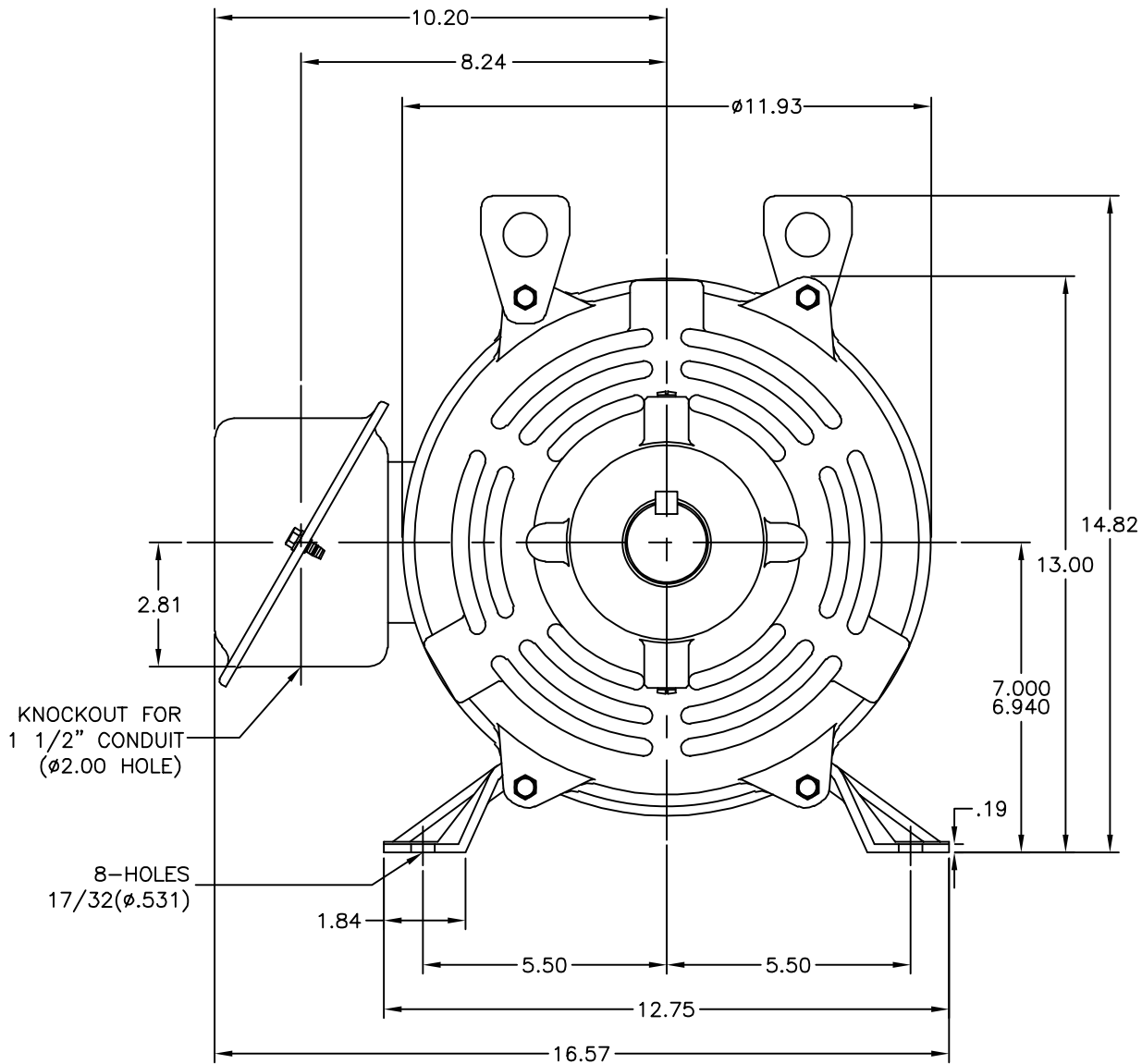
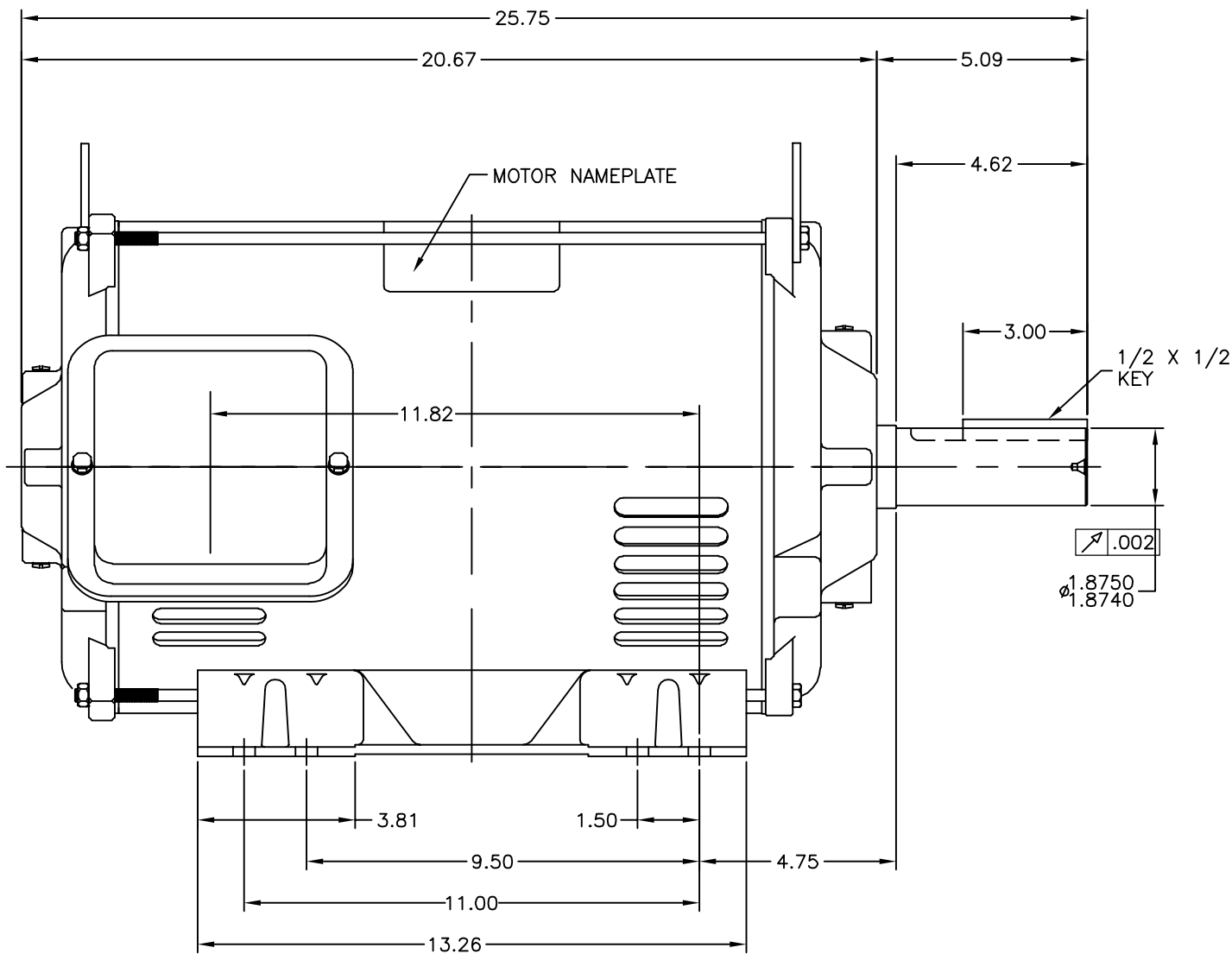
Output HP	30.0 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	200 V
Current	82.2 A	Speed	1770 rpm
Service Factor	1.15	Phase	3
Duty	Continuous	Insulation Class	F
Frame	S286T	Enclosure	Drip Proof
Thermal Protection	None	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

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		
Connection Drawing	80022803.PCX	Outline Drawing	18771201-001-S01

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

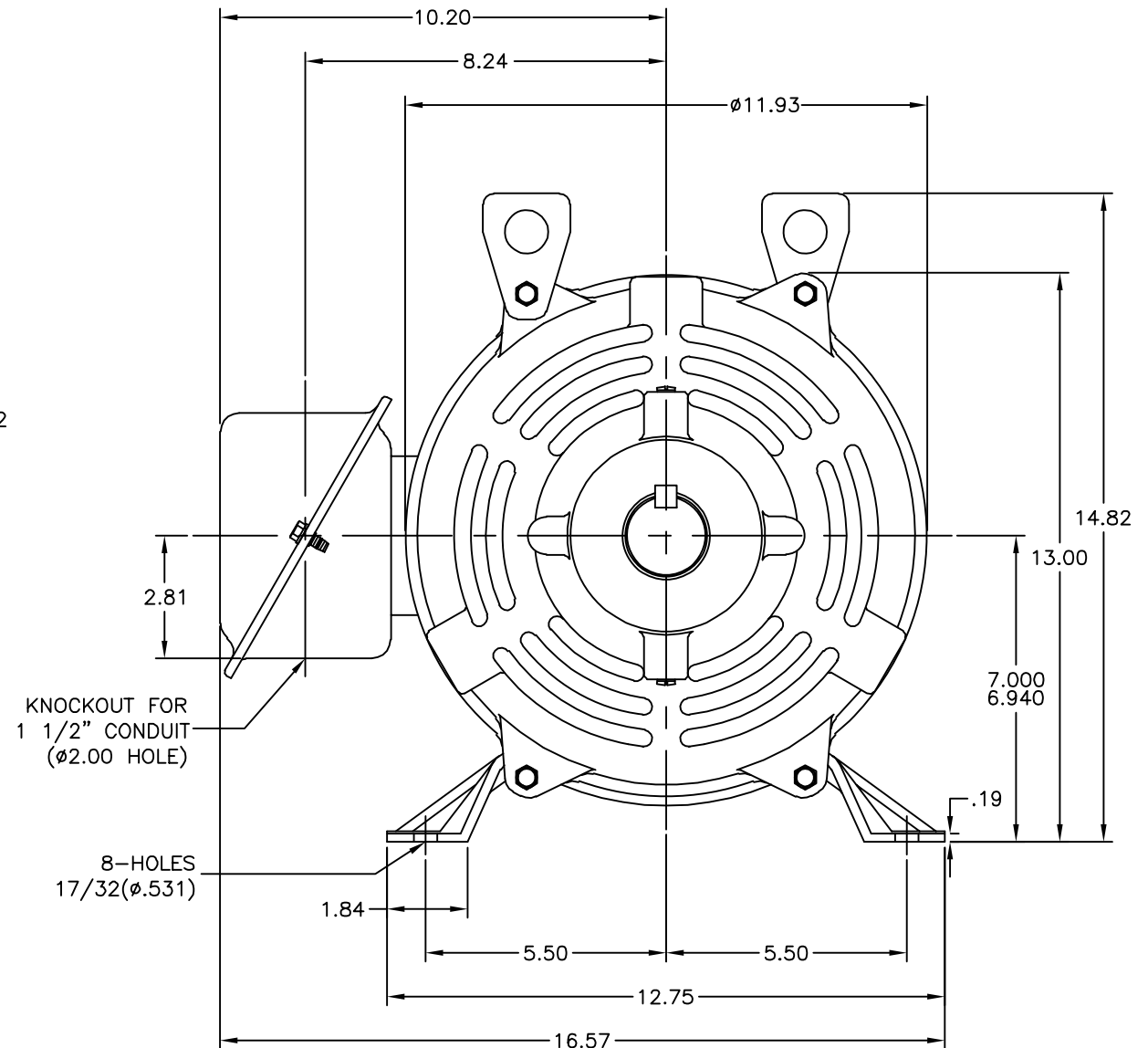


- NOTES:
- 1- SPECIAL CONDUIT BOX MOUNTING.
 - 2- MOTOR VENTILATION: AIR INTAKE THROUGH OPENINGS IN THE FACE OF EACH BRACKET AND EXHAUSTED THROUGH THE VENT SLOTS ON EACH END OF THE SHELL.
 - 3- NOT FIELD CONVERTIBLE TO F2

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 .XX .XXX .XXXX mm ±.1 ±.02 ±.005 ±.0005 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 SURFACE: INCH 125 mm 3.2 METRIC DIMS. SHOWN IN [BRACKETS]	DR BY:	RJB	03-31-2004	<div>ELECTRICAL PRODUCTS COMPANY <small>INNOVATION HAS A NAME.</small> <small>A DIVISION OF A. O. SMITH CORPORATION</small></div>
		APPD:	JAS	03-31-2004	
		THIRD ANGLE PROJECTION 		EDS DATE 02-22-2008 FORMAT REV F	DESCRIPTION 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 GEOMETRIA Y SIMBOLOS	
\square	PLANICIDAD
\perp	RECTITUD
\angle	ANGULARIDAD
\perp	PERPENDICULARIDAD (A ESCUADRA)
\parallel	PARALELISMO
\bigcirc	REDONDEZ (CIRCULARIDAD)
cilindro	CILINDRICIDAD
$\text{perfil de cualquier superficie}$	PERFIL DE CUALQUIER SUPERFICIE
$\text{perfil de cualquier linea}$	PERFIL DE CUALQUIER LINEA
∇	VARIACION
\oplus	POSICION REAL
\odot	CONCENTRICIDAD
$=$	SIMETRIA

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

PULG	$\pm .1$	$\pm .02$	$\pm .005$	$\pm .0005$
	$\pm .5$	± 0.13	± 0.13	
ANG.	$\pm .50$	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	$12\frac{1}{2}$	mm	$3\frac{1}{2}$	

DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR: RJB
APROBADO POR JAS
TERCER ANGULO DE PROYECCION

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

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AO Smith
Innovation has a name.

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

DESCRIPCION:	
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OUTLINE

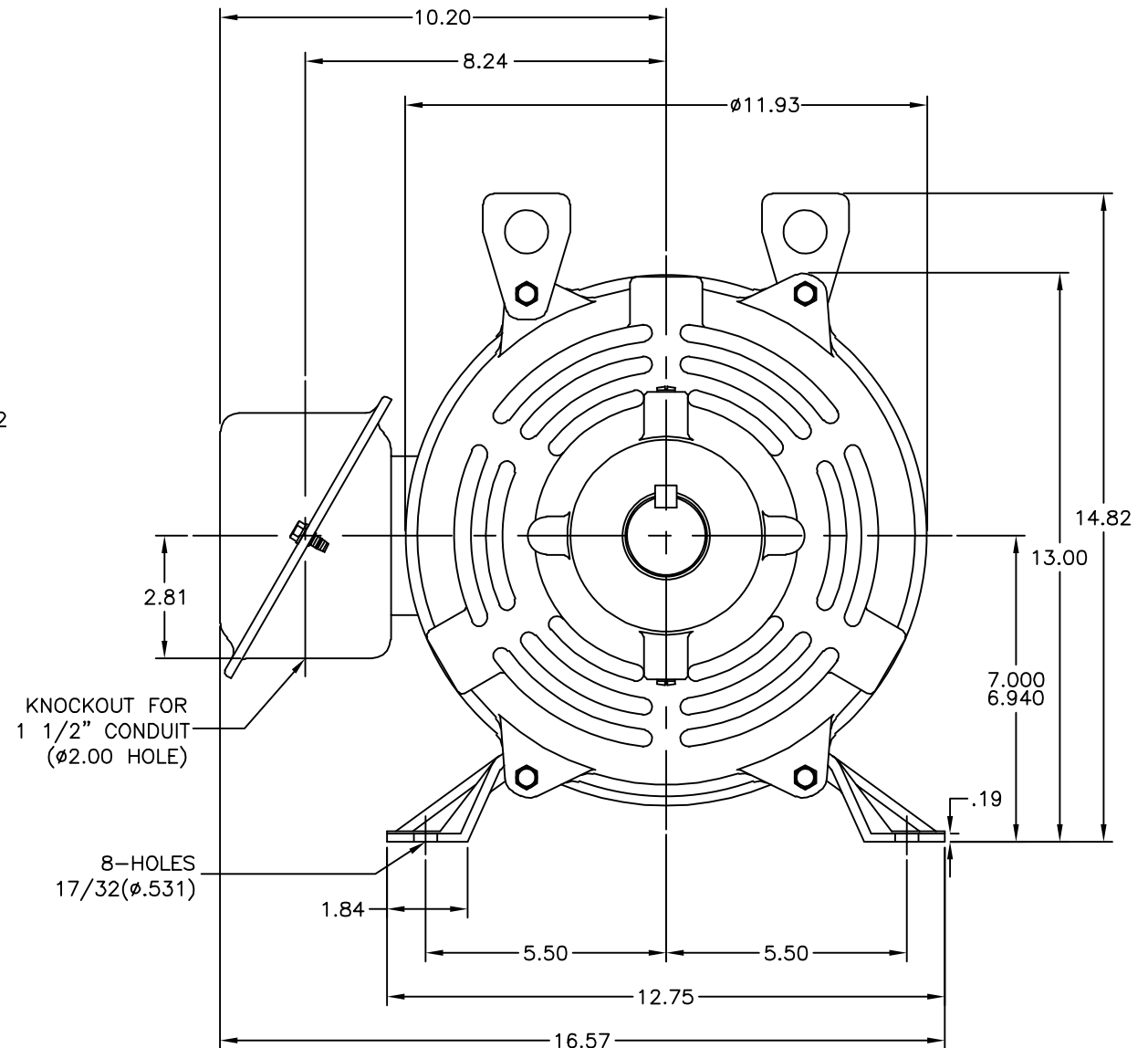
S284T/S286T ODP SPL EE STD

DE TAMAÑO: D


NUMERO DE DIBUJO:	18771201-001
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ESCALA: NONE	
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Q. 1A: 1



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TYPE _____	FRAME _____	H.P. _____
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HERTZ _____	AMPS _____	CODE _____
REMARKS _____		
APPROVED BY _____		DATE: _____

形位公差 平行度 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 ±.1 毫米 ±.5 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: RJB 批准: JAS 第三角投影 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 ASME Y14.5M, 1994	03-31-2004 03-31-2004 02-22-2008 F 图纸格式发布日期 图纸格式版本	名称 OUTLINE S284T/S286T ODP SPL EE STD 图号 D 18771201-001 比例 NONE 页号 1	 ELECTRICAL PRODUCTS COMPANY Innovation has a name. A DIVISION OF A. O. SMITH CORPORATION