

PRODUCT INFORMATION PACKET



Model No: E497M2

Catalog No: E497M2

10 HP, General Purpose Motor, 3 phase, 1200 RPM, 230/460 V, S256T Frame, Drip Proof
General Purpose Motors



Regal and Century are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2021 Regal Rexnord Corporation, All Rights Reserved. MC017097E





Nameplate Specifications

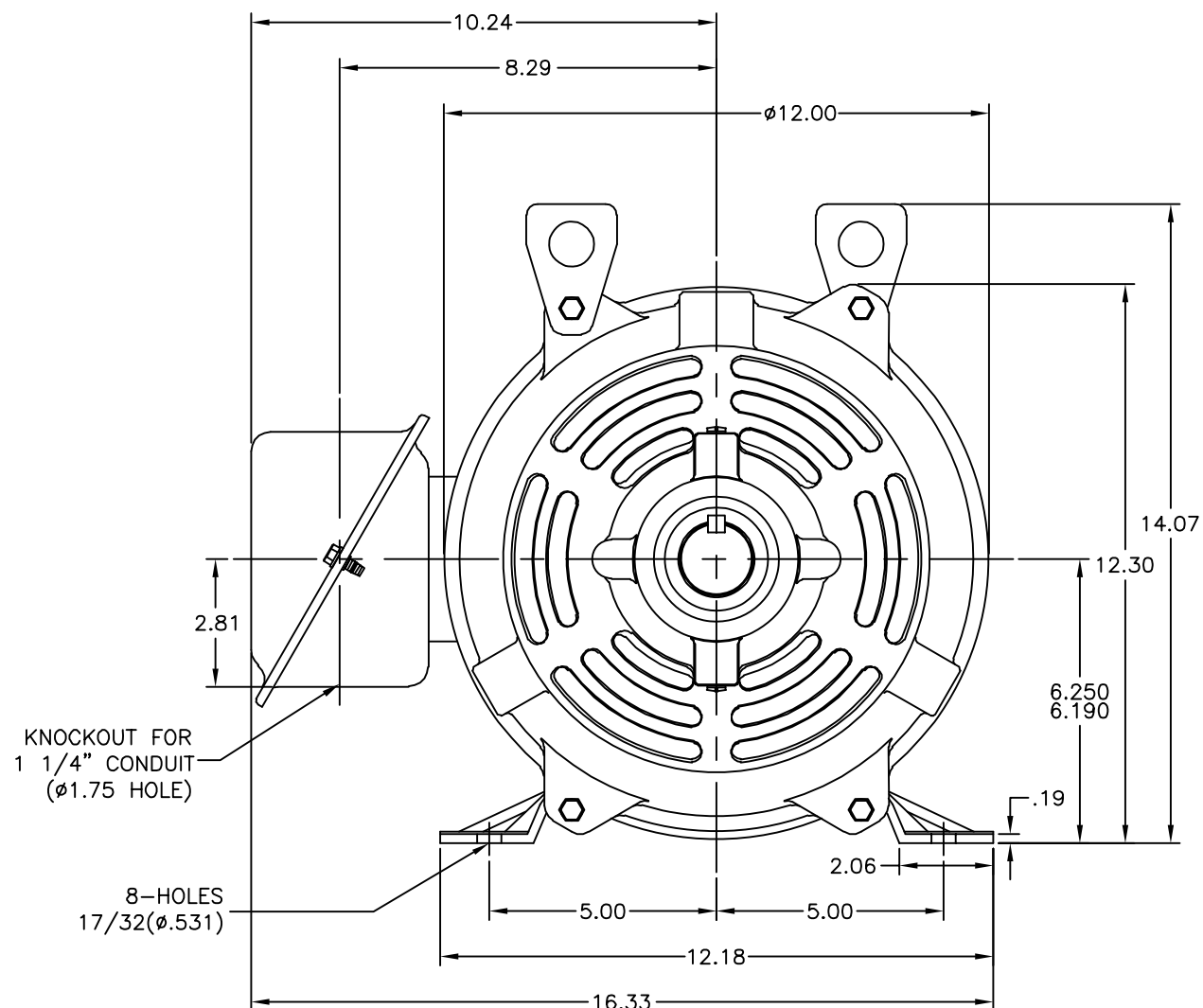
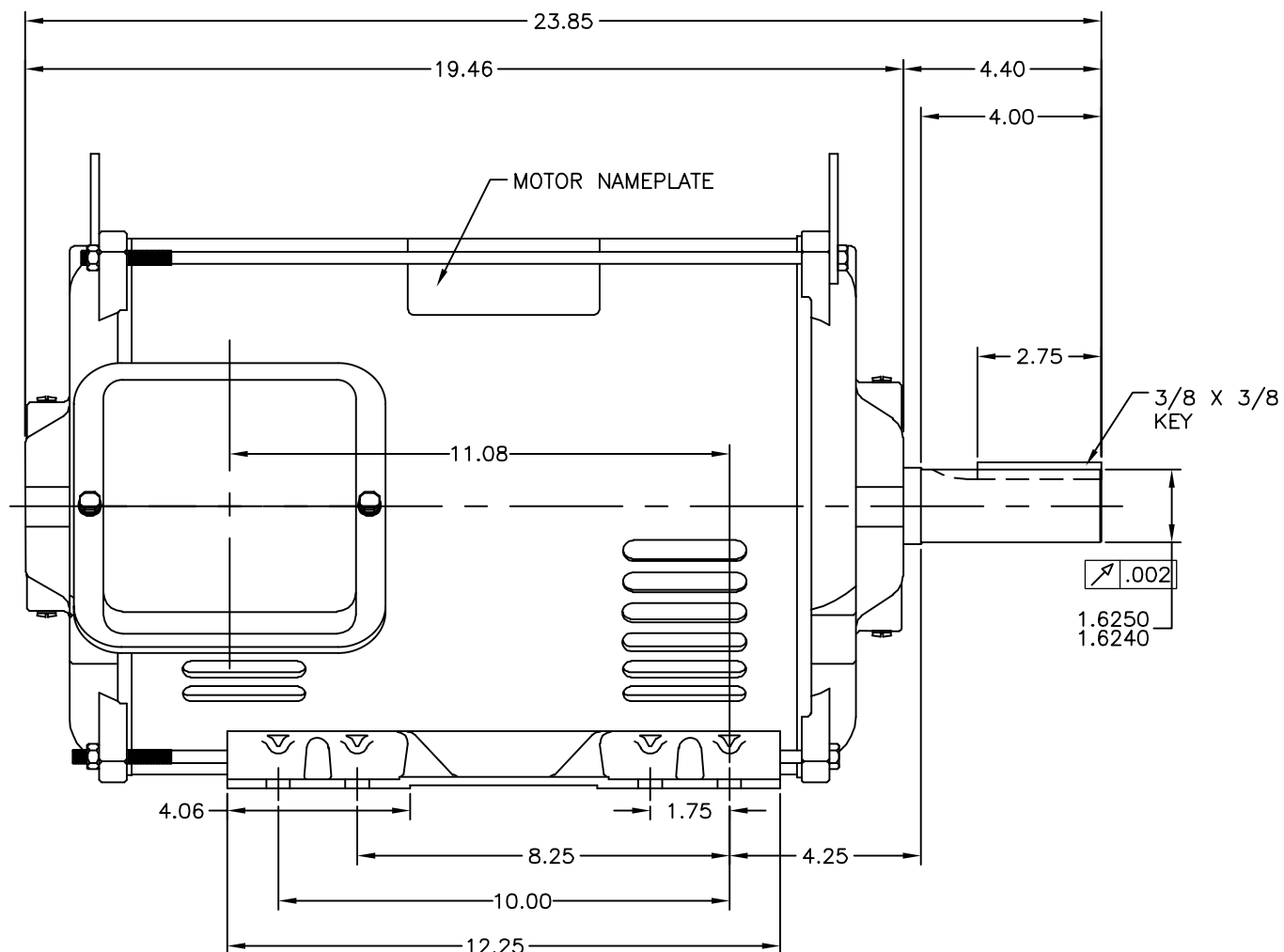
Output HP	10.0 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	27.4/13.7 A	Speed	1175 rpm
Service Factor	1.15	Phase	3
Duty	Continuous	Insulation Class	F
Frame	S256T	Enclosure	Drip Proof
Thermal Protection	None	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Three Phase	Starting Method	Across The Line
Poles	6	Rotation	Counterclockwise
Mounting	Rigid Base	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	23.85 in
Frame Length	14.75 in	Shaft Diameter	1.625 in
Shaft Extension	4.4 in		
Connection Drawing	80022802.PCX	Outline Drawing	18720401-001-S01

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:10/07/2021

REV	ECO	REV BY	DATE	APPD	DATE
B	0003531	K.PALOMO	01-07-09	C.CONTRERAS	01-07-09



NOTES:

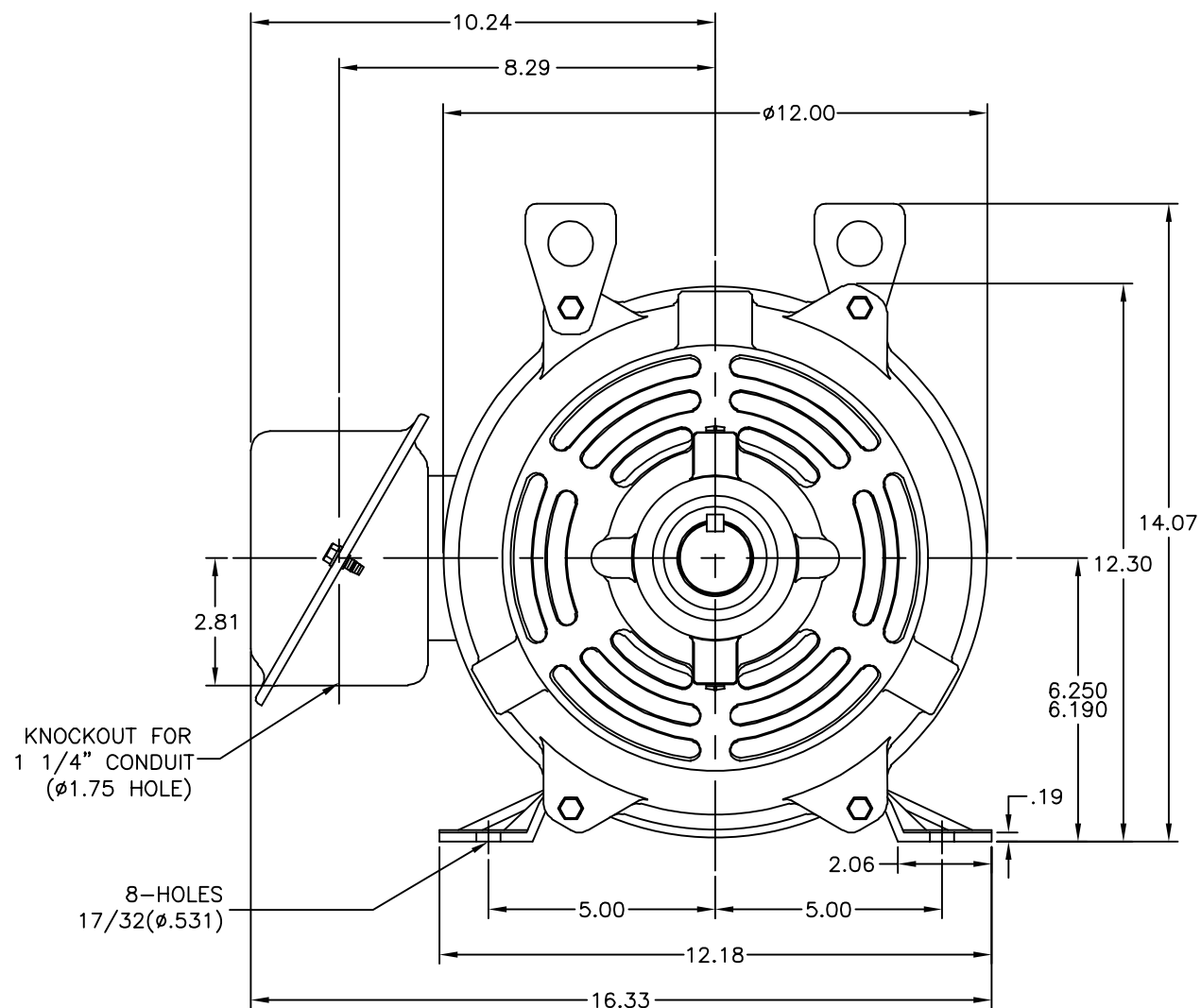
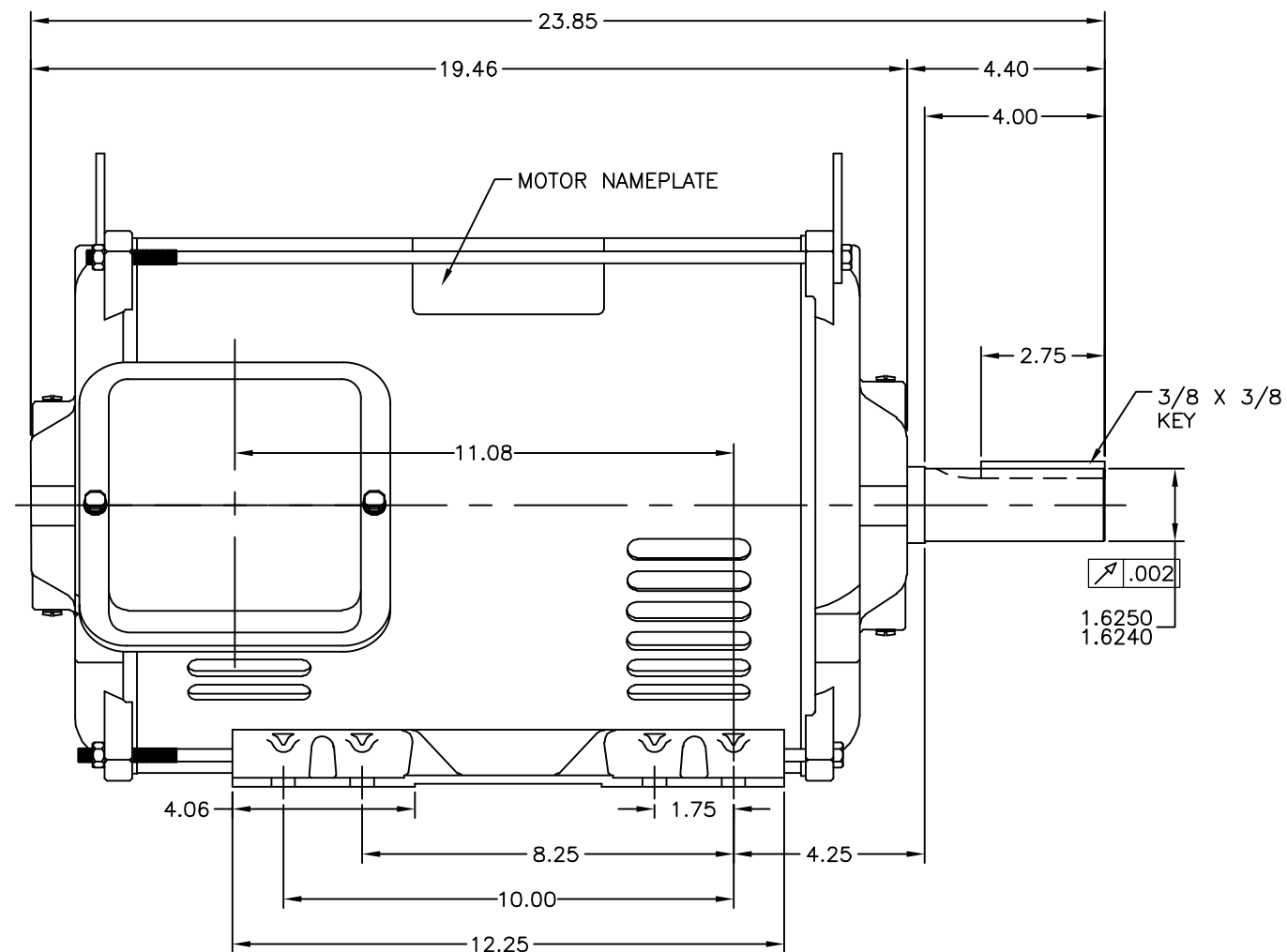
- 1- CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS.
- 2- MOTOR CAN NOT BE CONVERTED FROM AN F1 TO AN F2 ASSEMBLY.
- 3- MOTOR VENTILATION: AIR INTAKE THROUGH OPENINGS IN THE FACE OF EACH BRACKET AND EXHAUSTED THROUGH THE VENT SLOTS ON EACH END OF THE SHELL.

MOTOR DESCRIPTION:

3 PHASE OPEN DRIPPROOF STEEL SHELL 256T MOUNTING.
OTHER MOUNTING ORIENTATIONS ARE ACCEPTABLE; HOWEVER
WHEN MOUNTED OTHER THAN HORIZONTAL; MOTOR WILL NOT
BE DRIPPROOF AS DEFINED BY NEMA.

GEOMETRIC CHARACTERISTICS & SYMBOLS		UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS:		DR BY: AJB		01-14-04		ACSmith Innovation has a name.		ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
∠	FLATNESS	INCH	±.1	±.02	±.005	±.0005	APPD: DVB	EDS DATE	EDS DATE	DESCRIPTION	
—	STRAIGHTNESS	mm	±0.5	±0.13	±0.013			FORMAT	REV	OUTLINE	
∠	ANGULARITY	INCH	.003-.015	mm	0.1-0.4					SIZE D DWG NO 18720401-001	
⊥	PERPENDICULARITY (SQUARENESS)	INCH	.020	mm	0.5					SCALE NONE SHEET 1	
∥	PARALLELISM	MACHINE SURFACES:	INCH	125	mm	3.2					
○	ROUNDNESS (CIRCULARITY)	METRIC DIMS. SHOWN IN [BRACKETS]									
⌀	CYLINDRICITY										
△	PROFILE OF ANY SURFACE										
∧	PROFILE OF ANY LINE										
⋈	RUNOUT										
⊕	TRUE POSITION										
◎	CONCENTRICITY										
⊖	SYMMETRY										

REVISION:	ECO	REVISADO POR:	K.PALOMO	FECHA:	01-07-09	APROBADO POR:	C.CONTRERAS	FECHA:	01-07-09
B	0003531								





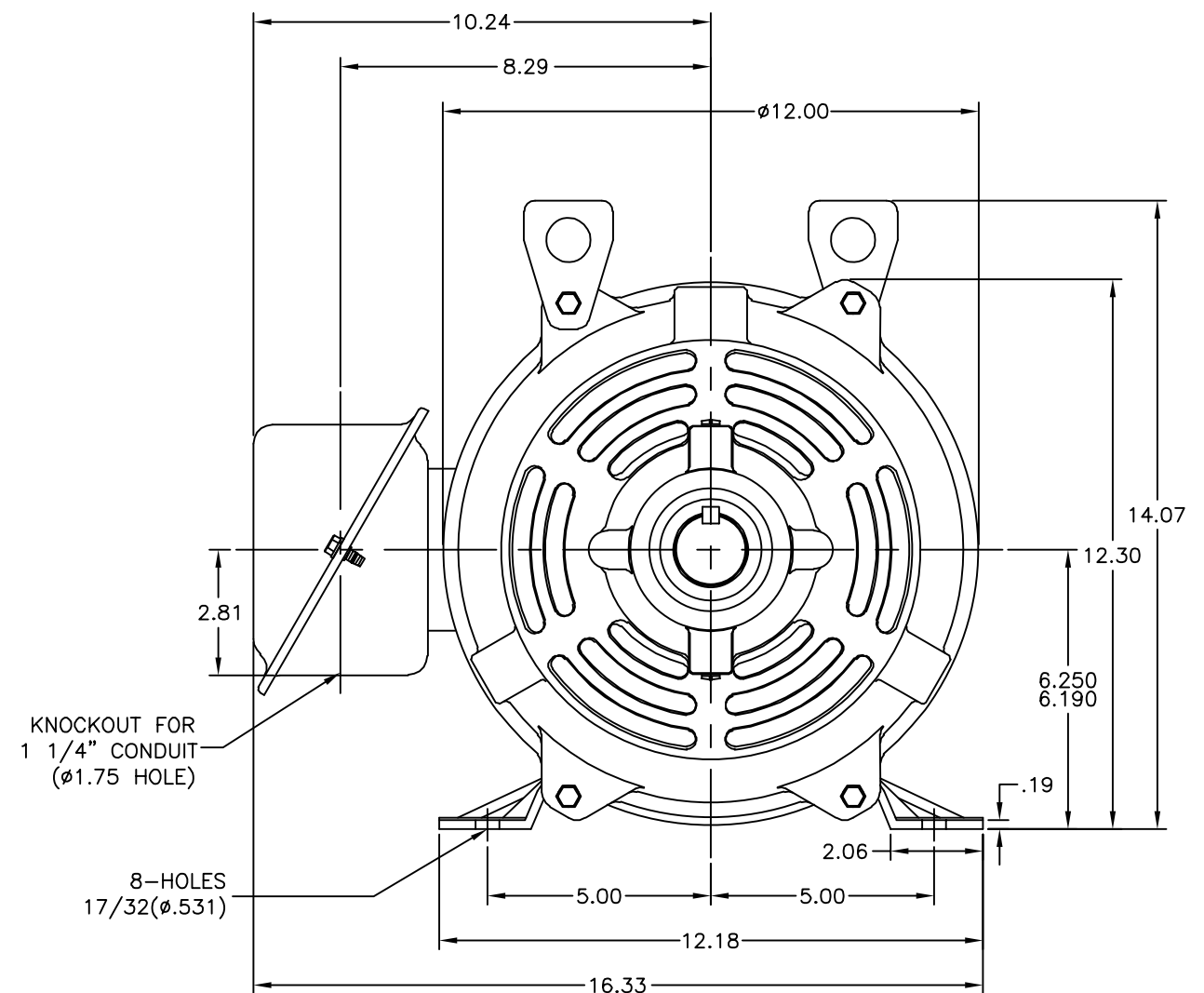
NOTES:

- 1- CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS.
- 2- MOTOR CAN NOT BE CONVERTED FROM AN F1 TO AN F2 ASSEMBLY.
- 3- MOTOR VENTILATION: AIR INTAKE THROUGH OPENINGS IN THE FACE OF EACH BRACKET AND EXHAUSTED THROUGH THE VENT SLOTS ON EACH END OF THE SHELL.



MOTOR DESCRIPTION:

3 PHASE OPEN DRIPPROOF STEEL SHELL 256T MOUNTING.
OTHER MOUNTING ORIENTATIONS ARE ACCEPTABLE; HOWEVER
WHEN MOUNTED OTHER THAN HORIZONTAL; MOTOR WILL NOT
BE DRIPPROOF AS DEFINED BY NEMA.

CARACTERÍSTICAS DE GEOMETRIA Y SIMBOLOS		A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS, SON LAS SIGUIENTES:		DIBUJADO POR: AJB		01-14-04		<div>ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION</div>	
✓ PLANICIDAD		PULG. ±.1 ±.02 ±.005 ±.0005		APROBADO POR: DVB		01-14-04			
— RECTITUD		mm ±0.5 ±0.13 ±0.013		<div></div> TERCER ANGULO DE PROYECCION		FECHA EDS: EDS DATE		DESCRIPCION: OUTLINE	
∠ ANGULARIDAD		ANG. ±50 GRADOS				REV. FORMATO: F			
⊥ PERPENDICULARIDAD (A ESCUADRA)		PULG. .003-.015 mm 0.1-0.4		CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE A.O.SMITH CORP. Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE A.O. SMITH CORP.		TAMAÑO: D		NUMERO DE DIBUJO: 18720401-001	
// PARALELISMO		FILETEAR ESQUINA: PULG. .020 mm 0.5				ESCALA: NONE		HOJA: 1	
○ REDONDEZ (CIRCULARIDAD)		PULG. 125 mm 3.2		DIMS METRICAS MOSTRADAS [PARENTESIS]					
R CILINDRICIDAD									
△ PERFIL DE CUALQUIER SUPERFICIE									
^ PERFIL DE CUALQUIER LINEA									
↑ VARIACION									
⊕ POSICION REAL									
◎ CONCENTRICIDAD									
= SIMETRIA									



3 PHASE OPEN DRIPPROOF STEEL SHELL 256T MOUNTING.
OTHER MOUNTING ORIENTATIONS ARE ACCEPTABLE; HOWEVER
WHEN MOUNTED OTHER THAN HORIZONTAL; MOTOR WILL NOT
BE DRIPPROOF AS DEFINED BY NEMA.

形位公差 平行度 直线度 倾斜度 垂直度 平行度 圆度 圆柱度 轮廓轮廓度 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 ± 0.005 ± 0.005 ± 0.005 ± 0.005 毫米 ± 0.13 ± 0.13 ± 0.13 ± 0.13 角度 ± 50 度 清理毛刺和尖棱 英寸 0.003-0.015 毫米 0.1-0.4 内圆角 英寸 0.020 毫米 0.5 表面粗糙度 英制 125 $\sqrt{\quad}$ 米制 3.2 $\sqrt{\quad}$ 米制尺寸显示在 []	绘图: AJB 批准: DVB 第三角投影  机密: 本图纸及相关信息所有权利归 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。一版权所有 ASME Y14.5M 1994	01-14-04 01-14-04 图纸格式发布日期 EDS DATE 图纸格式版本 F	 ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	名称 图幅 比例 18720401-001 1	18720401-001 1
					名称 图幅 比例	18720401-001 1
					名称 图幅 比例	18720401-001 1
					名称 图幅 比例	18720401-001 1