

PRODUCT INFORMATION PACKET

Model No: M522M2

Catalog No: M522M2

General Purpose Motors, Drip Proof, 20 HP, 3 Ph, 60 Hz, 200-230 V, 1770 RPM, S286T



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Nameplate Specifications

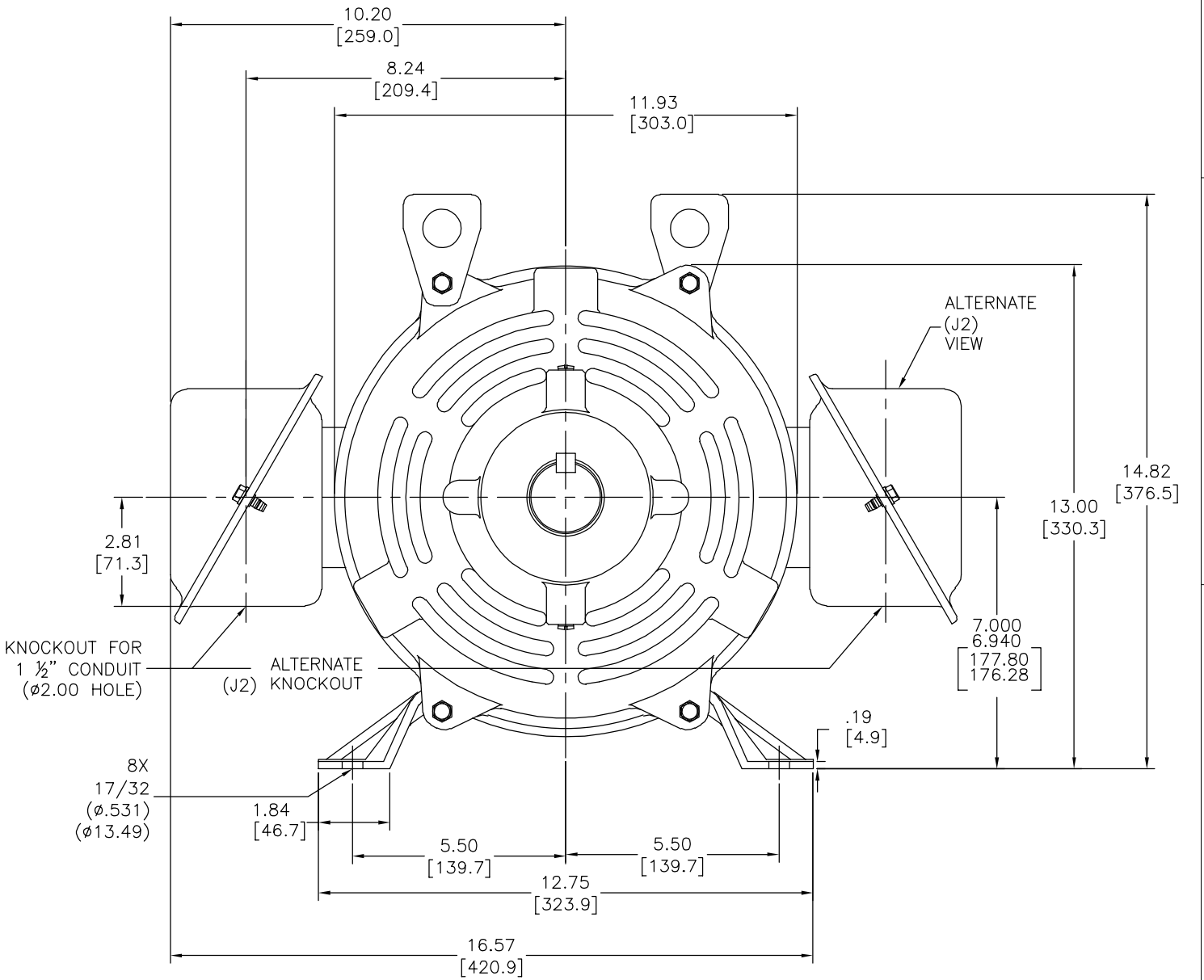
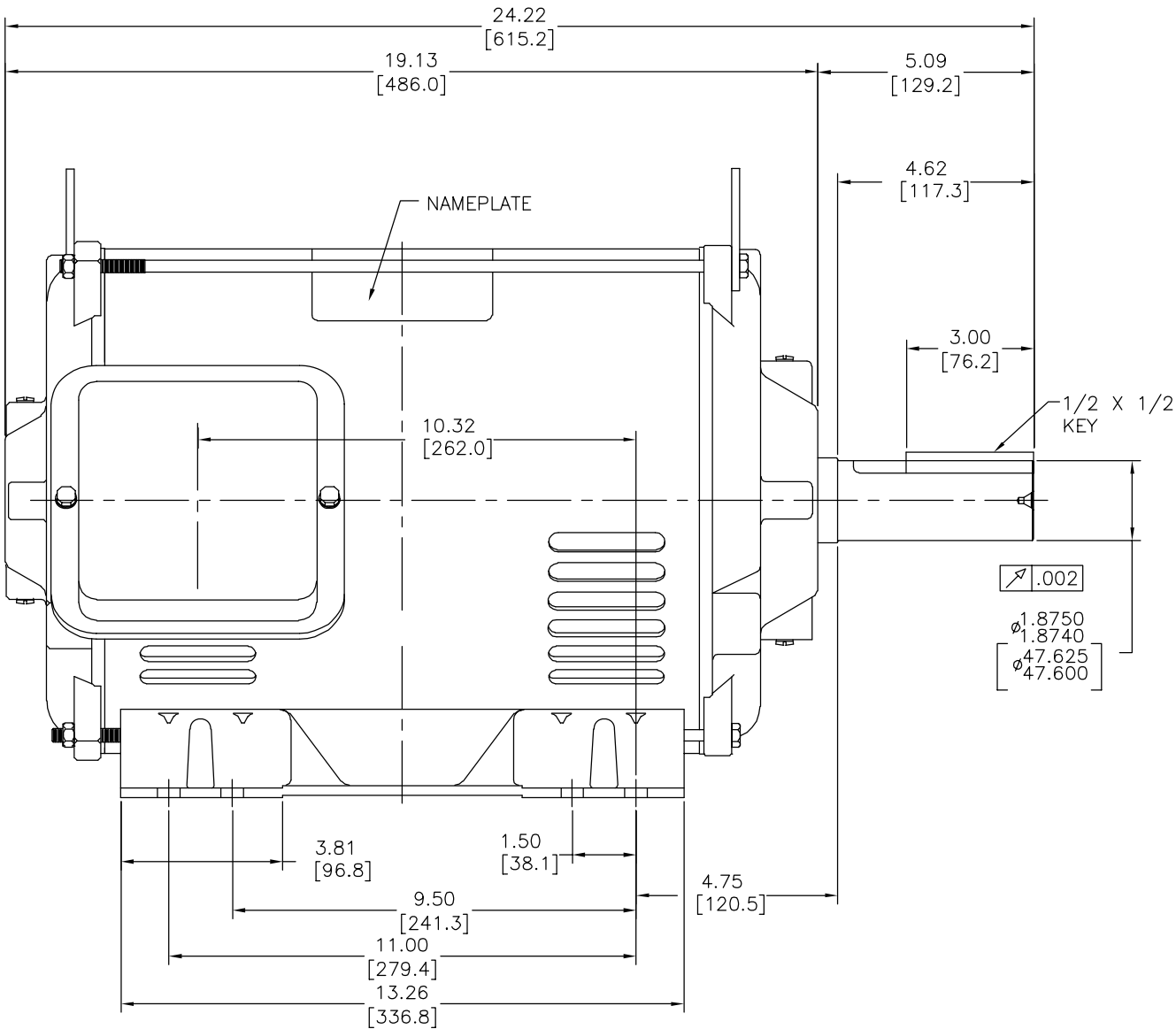
Output HP	20.0-8.9 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	200-230 V
Current	54-48/28-26 A	Speed	1770/1175 rpm
Service Factor	1.15	Phase	3
Duty	Continuous	Insulation Class	F
Frame	S286T	Enclosure	Drip Proof
Thermal Protection	None	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	2-2-VT

Technical Specifications

Electrical Type	Three Phase	Starting Method	Across The Line
Poles	4/6	Rotation	Reversible Counterclockwise
Mounting	Rigid Base	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	24.22 in
Frame Length	14.00 in	Shaft Diameter	1.875 in
Shaft Extension	5.09 in		
Outline Drawing	18720601-001-S01	Connection Drawing	80022806.PCX

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REV	ECO	REV BY	DATE	APPD	DATE
C	ECO-0025427	T.HUANG	04-18-2012	B.C.SHEN	04-18-2012



- NOTES:
- CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS.
 - MOTOR IS SUITABLE FOR FIELD CONVERSION FROM AN F1 TO AN F2 CONDUIT BOX LOCATION.
 - MOTOR VENTILATION: AIR INTAKE THROUGH OPENINGS IN THE FACE OF EACH BRACKET AND EXHAUSTED THROUGH THE VENT SLOTS ON EACH END OF THE SHELL.

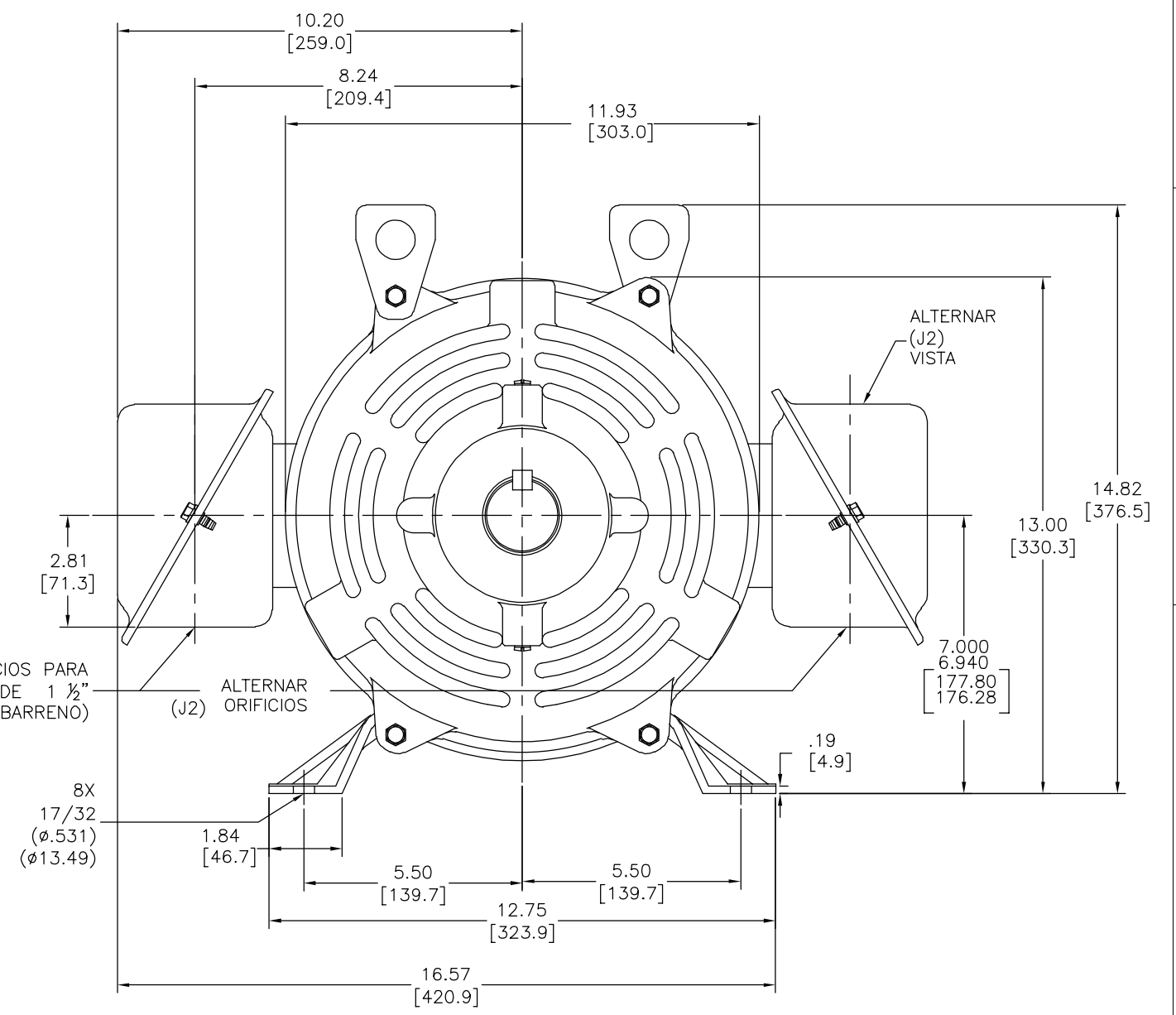
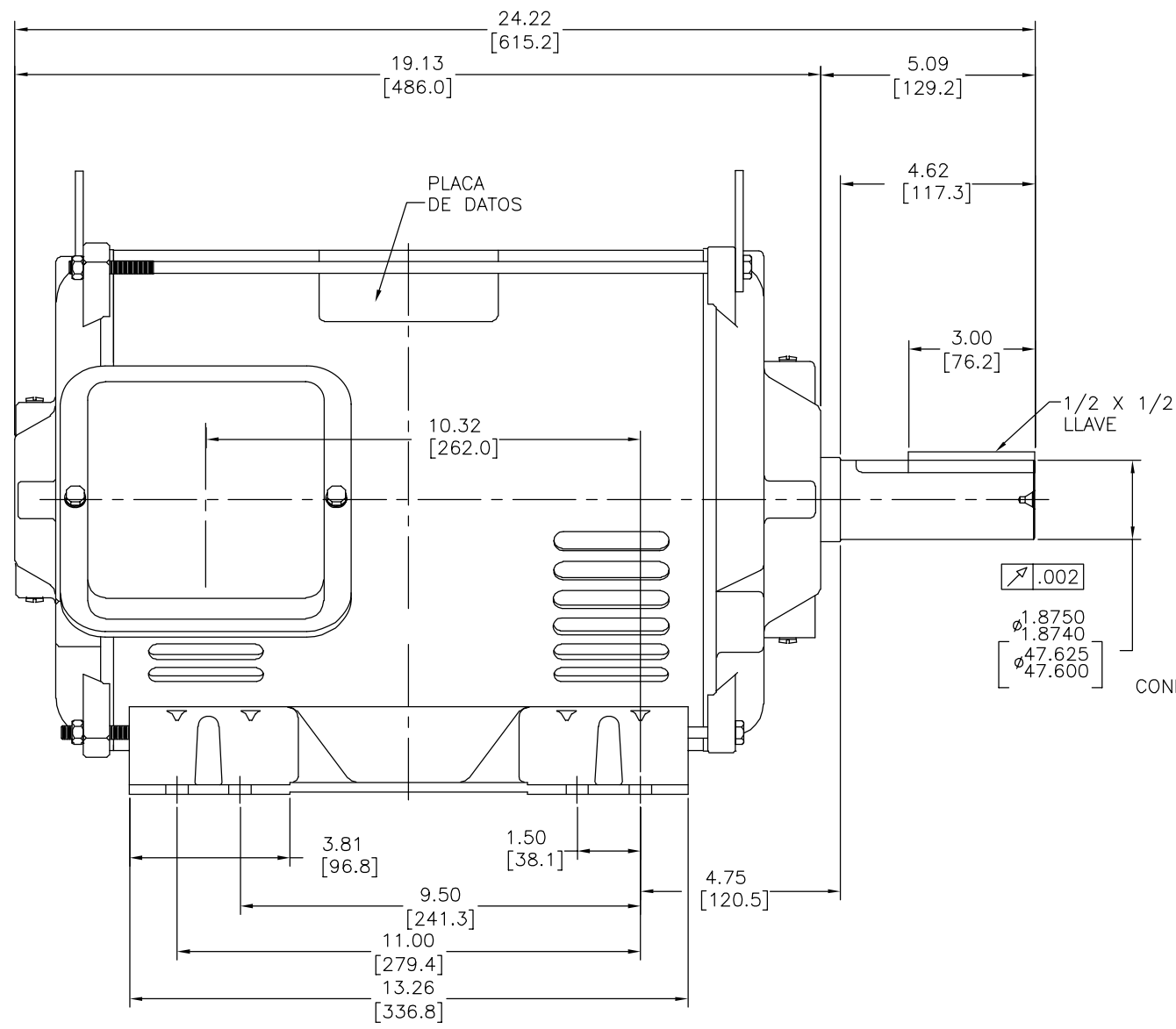
MOTOR DESCRIPTION:

3 PHASE OPEN DRIPPROOF STEEL SHELL 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. _____	I.D. NO. _____	EMI EMI
TYPE _____	FRAME _____	H.P. _____
R.P.M. _____	VOLTS _____	PHASE _____
HERTZ _____	AMPS _____	CODE _____
REMARKS _____		
APPROVED BY _____ DATE: _____		

GEOMETRIC CHARACTERISTICS & SYMBOLS		UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS:		DR BY: AJB		01-14-2004		DESCRIPTION	
— FLATNESS		INCH ±.1 ±.02 ±.005 ±.0005		APPD: JAS		01-14-2004		OUTLINE	
— STRAIGHTNESS		mm ±0.5 ±0.13 ±0.013				EDS DATE 11-11-2011		S284T/S286T ODP EE STD	
— ANGULARITY		ANG. ±.50 DEG				FORMAT REV G		SIZE D	
— PERPENDICULARITY (SQUARENESS)		REMOVE BURRS & BREAK SHARP EDGES:		THIRD ANGLE PROJECTION				DWG NO 18720601-001	
— PARALLELISM		INCH .003-.015 mm 0.1-0.4						SCALE NONE	
— ROUNDNESS (CIRCULARITY)		CORNER FILLETS TO:						SHEET 1	
— CYLINDRICITY		INCH .020 mm 0.5							
— PROFILE OF ANY SURFACE		MACHINE SURFACES:							
— RUNOUT		INCH 125 mm 3.2							
— TRUE POSITION		METRIC DIMS. SHOWN IN [BRACKETS]							
— CONCENTRICITY									
— SYMMETRY									

REVISION:	ECO	REVISADO POR:	T.HUANG	FECHA:	04-18-2012	APROBADO POR:	B.C.SHEN	FECHA:	04-18-2012
C	ECO-0025427								



NOTAS:

- CAJA DE CONDUCTORES PUEDER ROTARSE EN INCREMENTOS DE 90°
- EL MOTOR ES EL ADECUADO PARA CONVERSION DE CAMPOS DESDE LA UBICACION AN F1 Y AN F2
- VENTILACION DE MOTOR: LA ENTRADA DE AIRE ES A TRAVEZ DE LOS ORIFICIOS EN LA CARA DE CADA TAPA Y EXTRAIDA A TRAVEZ DE LAS RANURAS DE VENTILACION AL FINAL DE CADA CARCAZA

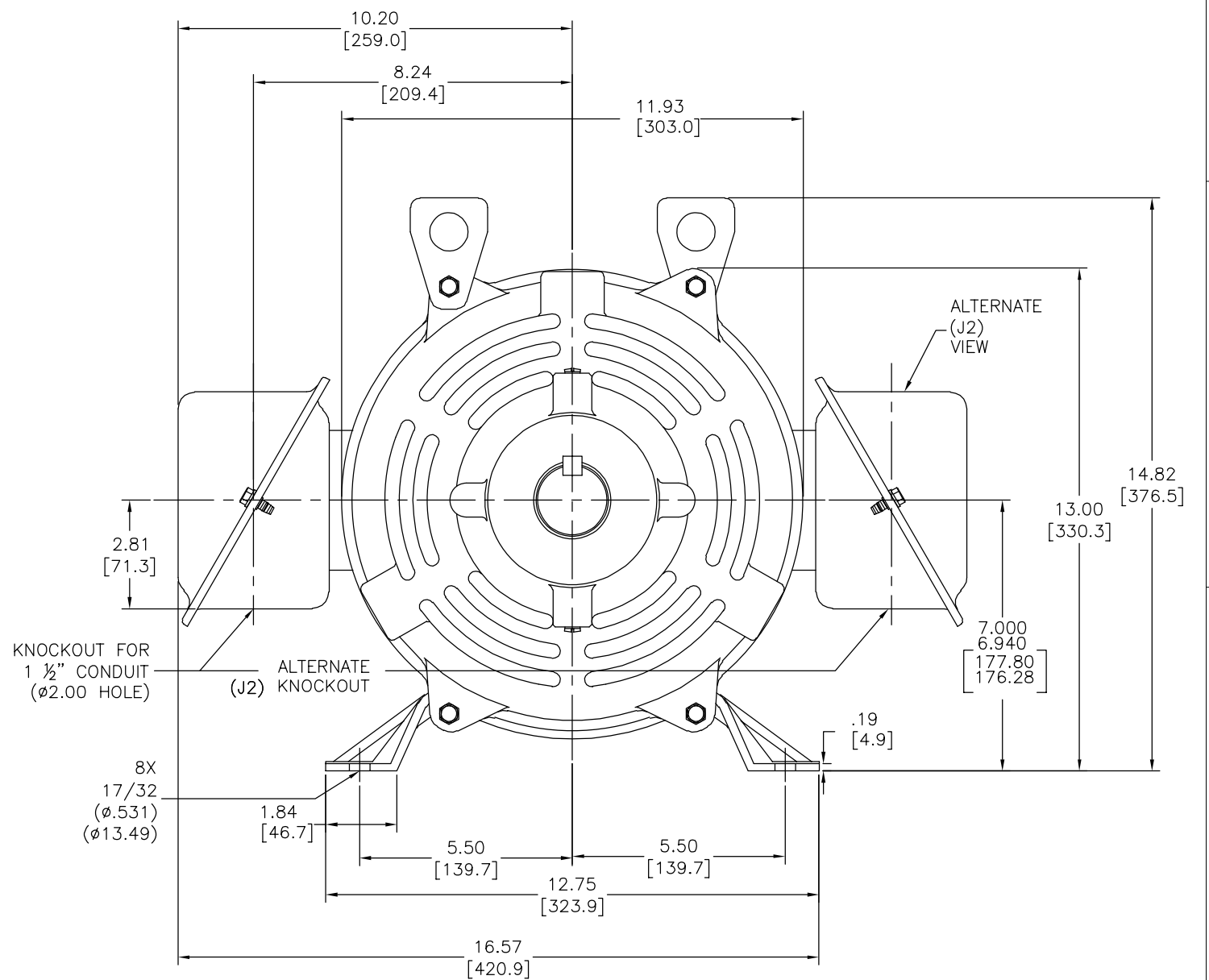
DESCRIPCION DEL MOTOR:

ESCUDO 284T DE ACERO A PRUEBA DE GOTEO CON 3 FASES ABIERTAS. OTRO TIPO DE OPERACIONES DE MONTAGE ES ACEPTABLE; SIN EMBARGO CUANDO SEA MONTADO DE CUALQUIER OTRA FORMA MENOS HORIZONTALMENTE NO SERA A PRUEBA DE GOTEO COMO NEMA LO DEFINE.

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CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS: / PLANICIDAD - RECTITUD / ANGULARIDAD L PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO O REDONDEZ (CIRCULARIDAD) H CILINDRICIDAD = PERFIL DE CUALQUIER SUPERFICIE / PERFIL DE CUALQUIER LINEA + 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		DIBUJADO POR: AUB APROBADO POR: JAS TERCER ANGULO DE PROYECCION CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE REGAL-BELOIT CORPORATION. Y NO DEBERAN SER REVELADOS, Duplicados, distribuidos o usarse de otra manera SIN EL CONSENTIMIENTO ESCRITO DE REGAL-BELOIT CORPORATION. -TODOS LOS DERECHOS RESERVADOS.		01-14-2004 01-14-2004 FECHA EDS: 11-11-2011 REV. FORMATO: G		DESCRIPCION: OUTLINE S284T/S286T ODP EE STD TAMAÑO: D NUMERO DE DIBUJO: 18720601-001 ESCALA: NONE HOJA: 1	
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版本	ECO	编制	日期	批准	日期
C	ECO-0025427	T.HUANG	04-18-2012	B.C.SHEN	04-18-2012



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APPROVED BY _____		DATE: _____

位置公差 平行度 垂直度 倾斜度 对称度 圆跳动 圆度 圆柱度 圆锥度 线轮廓度 面轮廓度 位置度 同轴度 对称度	除另有注明 尺寸公差如下: 英寸 $\begin{matrix} X \\ \pm 1 \end{matrix}$ $\begin{matrix} XX \\ \pm 0.02 \end{matrix}$ $\begin{matrix} XXX \\ \pm 0.005 \end{matrix}$ $\begin{matrix} XXXX \\ \pm 0.0005 \end{matrix}$ 毫米 $\begin{matrix} \pm 0.5 \\ \pm 0.013 \end{matrix}$ $\begin{matrix} \pm 0.013 \\ \pm 0.013 \end{matrix}$ 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	绘图: AJB 批准: JAS 第三角投影 机密: 本图及相关信息所有权归REGAL-BELOIT CORPORATION。 未经REGAL-BELOIT CORPORATION书面授权, 不得泄露、 复制、传播或作其他用途。一版权所有	01-14-2004 01-14-2004 11-11-2011 G	名称 图幅 比例	图号 D NONE	18270601-001 1
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