

# PRODUCT INFORMATION PACKET



Model No: B2842  
Catalog No: B2842  
MODEL-CFHP-56FR  
Induction Motors



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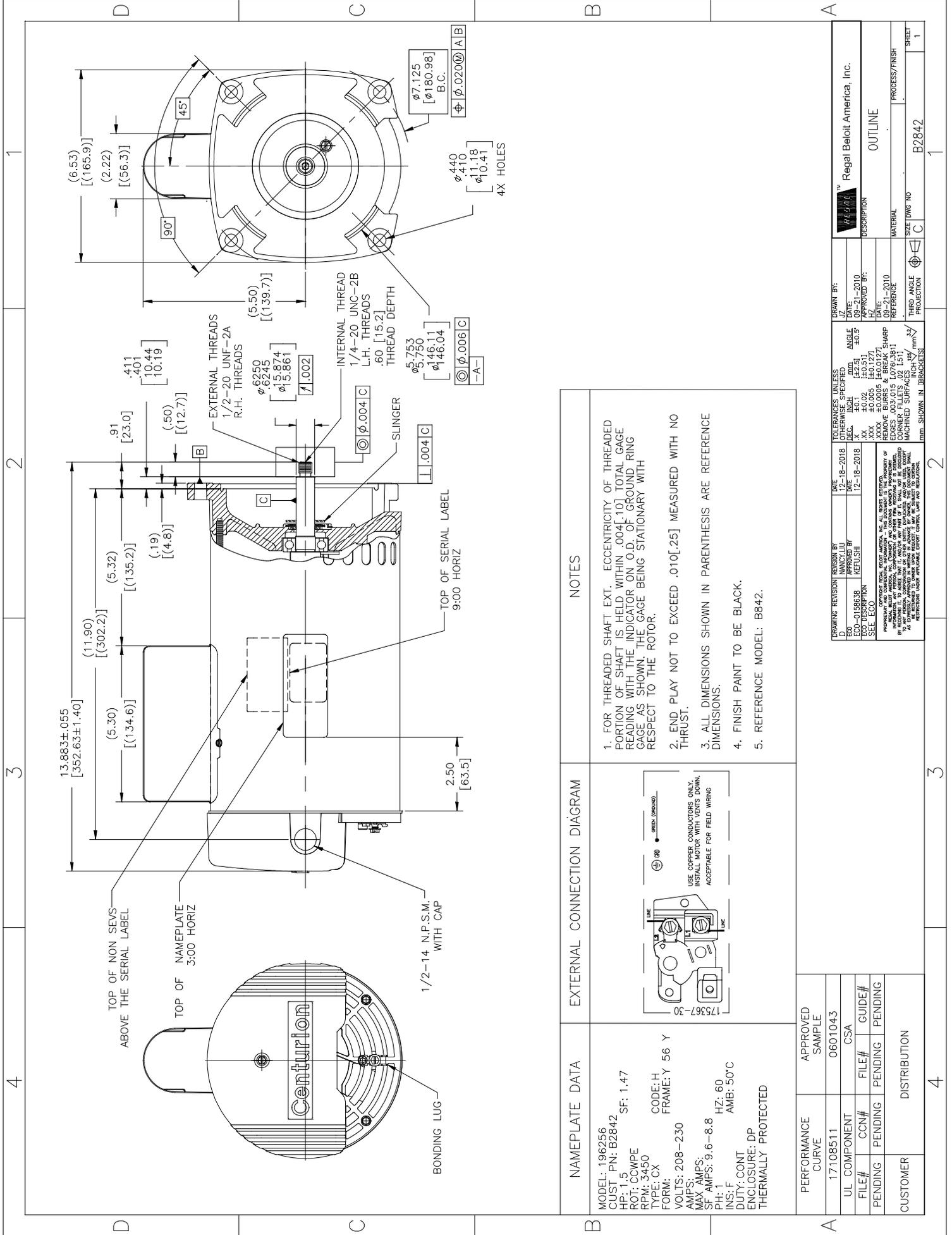
**Nameplate Specifications**

Output HP	1.5 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	208-230 V
Current	SF 9.6-8.8 A	Speed	3450 rpm
Service Factor	1.47	Phase	1
Duty	Continuous	Insulation Class	F
Frame	Y56Y	Enclosure	Drip Proof
Overload Protector	Thermally Protected	Ambient Temperature	50 °C
UL	Recognized	CSA	Y

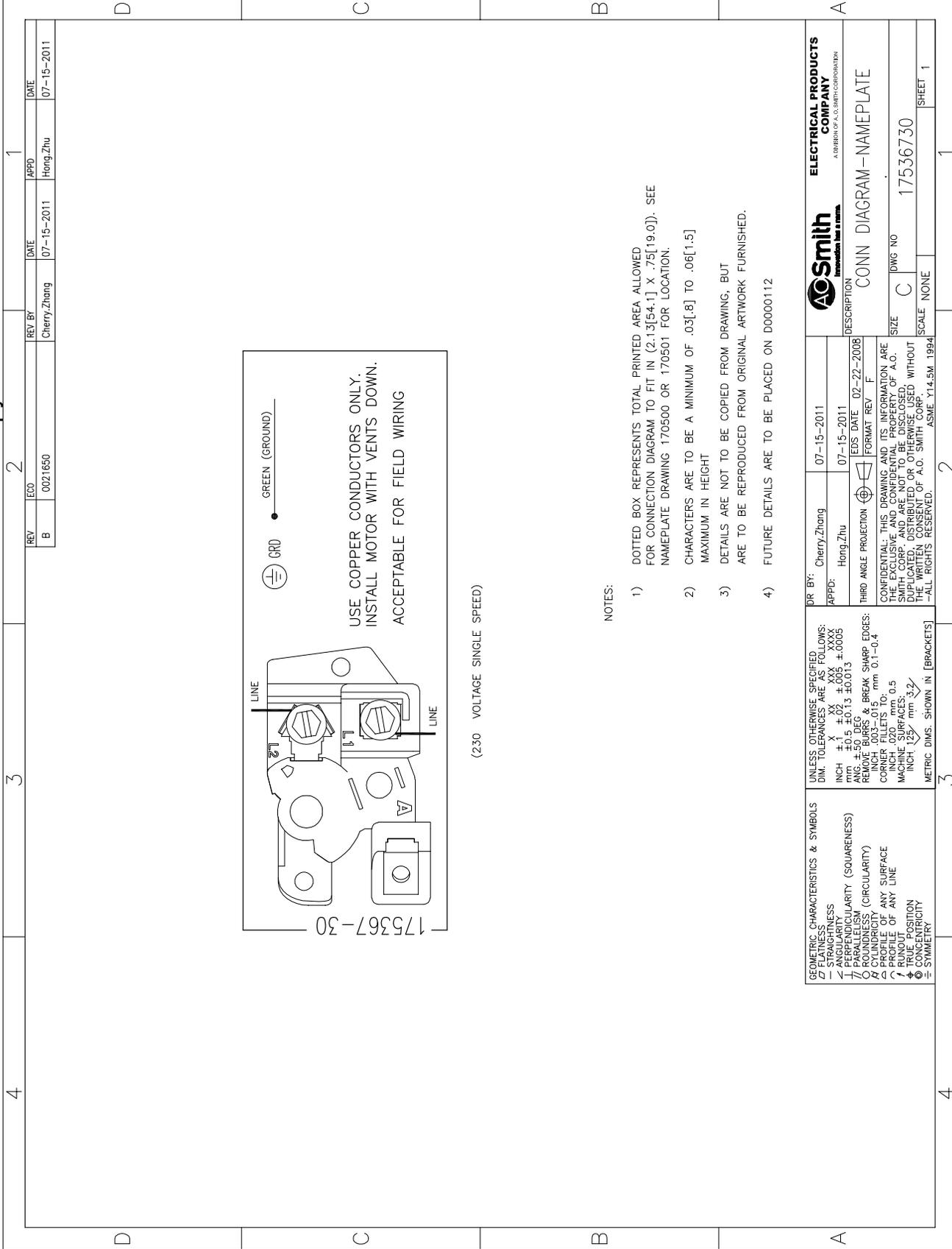
**Technical Specifications**

Electrical Type	Permanent Split Capacitor, Single Or Dual Voltage	Poles	2
Rotation	Counterclockwise Pump End	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	BALL
Opp Drive End Bearing	BALL	Frame Material	Rolled Steel
Shaft Type	Threaded	Overall Length	13.90 in
Frame Length	9.50 in	Shaft Diameter	0.625 in
Shaft Extension	0.91 in		
Outline Drawing	B2842-S01	Connection Diagram	17536730.PCX

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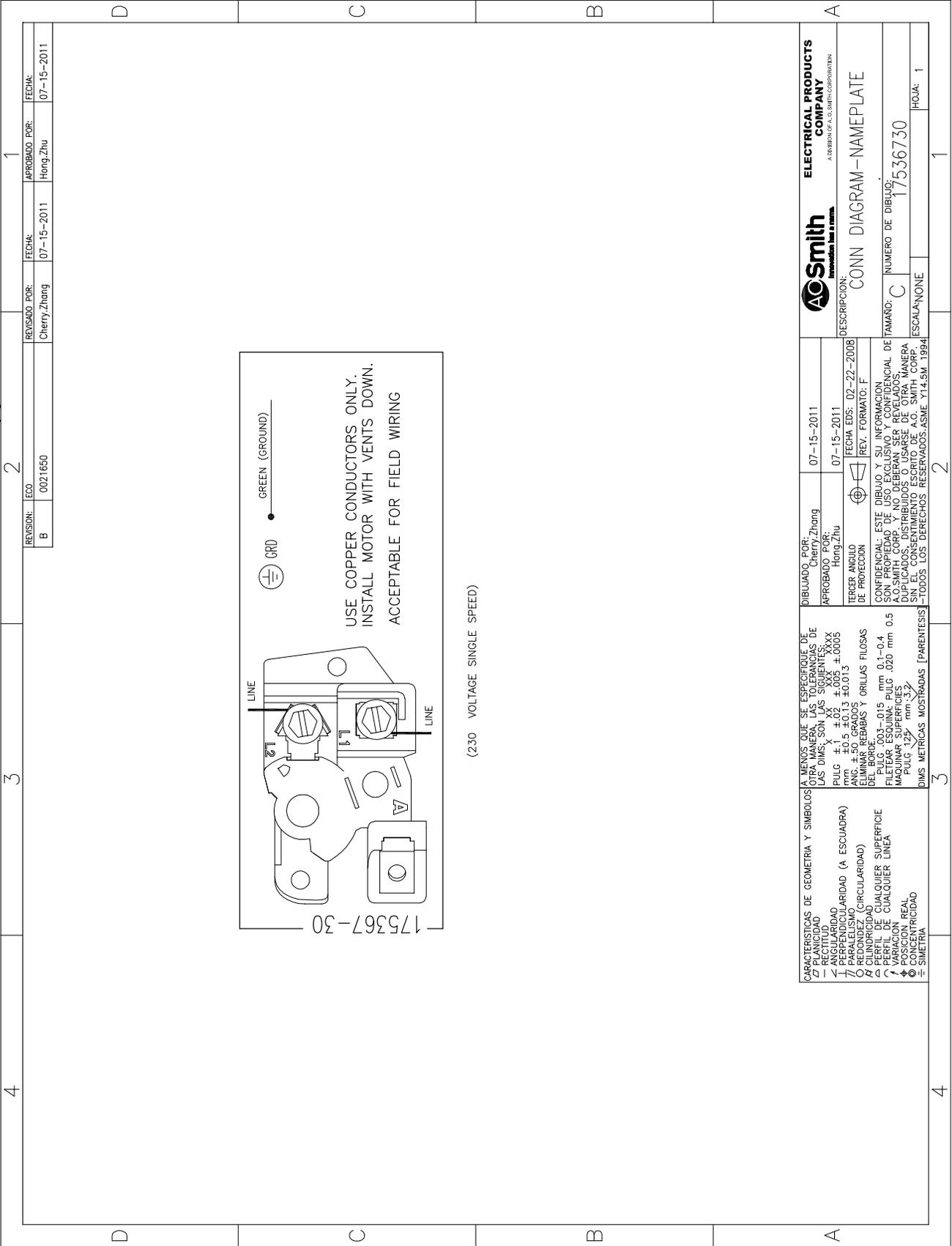
DRAWN BY: Regal Beloit America, Inc.	
JZ	DATE: 12-18-2018
DATE: 12-18-2018	APPROVED BY:
DESCRIPTION: OUTLINE	
MATERIAL: L1076-3811	PROCESS/FINISH:
SIZE (INCH):	THIRD ANGLE PRODUCTION
SIZE (MM):	PRODUCTION
THIRD ANGLE PRODUCTION	SIZE (INCH): B2842
PRODUCTION	SHEET 1



NOTES:

- 1) DOTTED BOX REPRESENTS TOTAL PRINTED AREA ALLOWED FOR CONNECTION DIAGRAM TO FIT IN (2.13[54.1] X .75[19.0]). SEE NAMEPLATE DRAWING 170500 OR 170501 FOR LOCATION.
- 2) CHARACTERS ARE TO BE A MINIMUM OF .03[.8] TO .06[1.5] MAXIMUM IN HEIGHT
- 3) DETAILS ARE NOT TO BE COPIED FROM DRAWING, BUT ARE TO BE REPRODUCED FROM ORIGINAL ARTWORK FURNISHED.
- 4) FUTURE DETAILS ARE TO BE PLACED ON D0000112

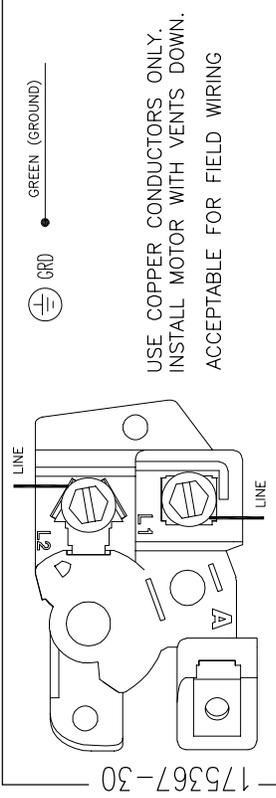
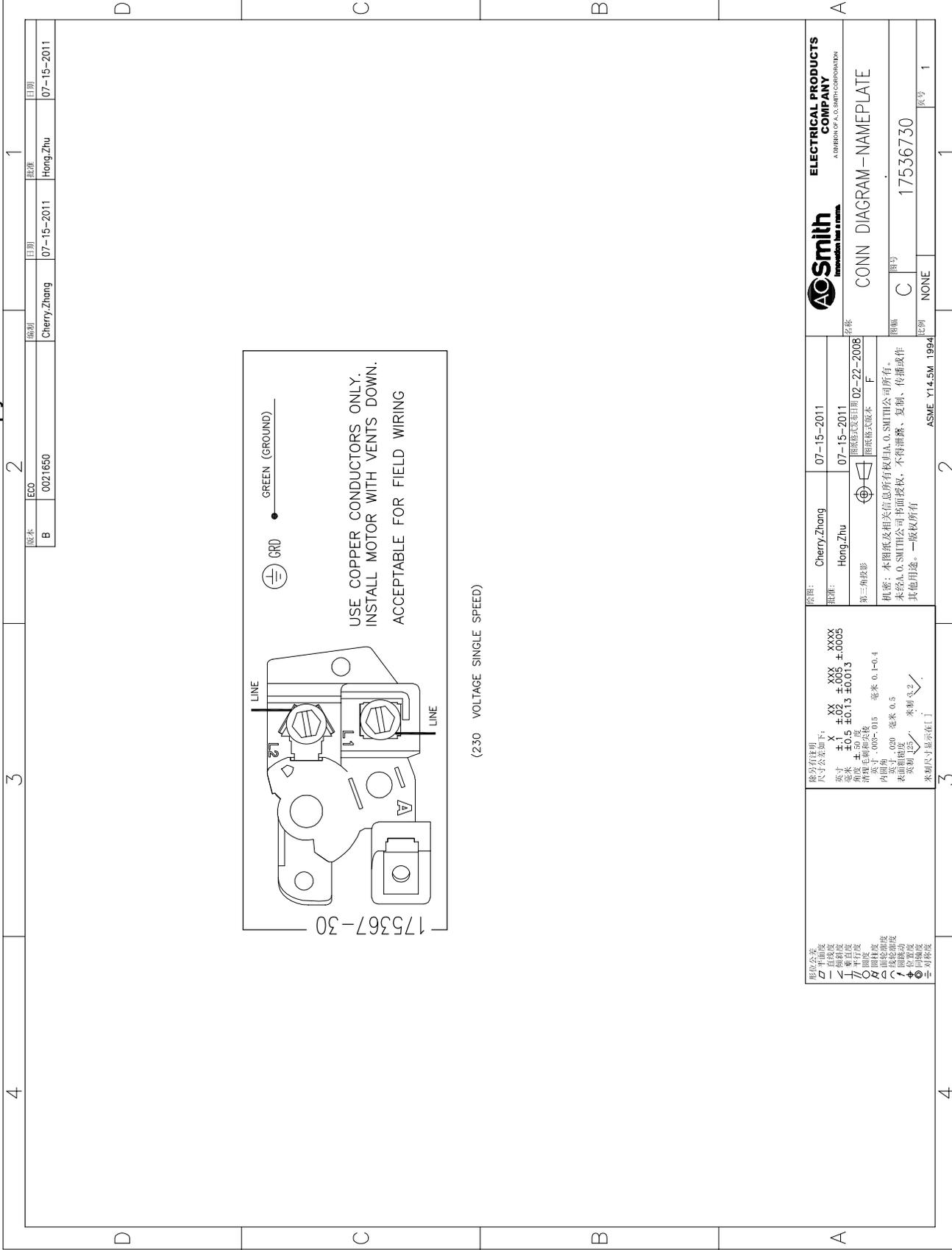
GEOMETRIC CHARACTERISTICS & SYMBOLS FLATNESS STRAIGHTNESS PERPENDICULARITY (SQUARENESS) PARALLELISM (CIRCULARITY) ROUNDNESS (CIRCULARITY) PROFILE OF ANY SURFACE PROFILE OF ANY LINE RUNOUT POSITION CONCENTRICITY SYMMETRY	UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS: INCH X .XX ±.005 INCH .XX ±.005 INCH .XX ±.005 INCH .XX ±.005 ANG. ±.50 DEG REMOVE BURRS & BREAK SHARP EDGES: CORNER FILLETS TO: mm 0.1-0.4 INCH .020 mm 0.5 MACHINE SURFACES: INCH 12.5 mm 3.2 METRIC DIMS. SHOWN IN [BRACKETS]	DR BY: Cherry.Zhong	07-15-2011
		APPD: Hong.Zhu THIRD ANGLE PROJECTION EDS DATE 02-22-2008 FORMAT REV F	07-15-2011 07-15-2011
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CONNECTION DIAGRAM-NAMEPLATE		CONN DIAGRAM-NAMEPLATE	
SIZE C		DWG NO 17536730	
SCALE NONE		SHEET 1	



175367-30

USE COPPER CONDUCTORS ONLY.  
INSTALL MOTOR WITH VENTS DOWN.  
ACCEPTABLE FOR FIELD WIRING

CARACTERÍSTICAS DE GEOMETRÍA Y SIMBOLOS RECTITUD PERPENDICULARIDAD (A ESQUADRA) PARALELISMO (CIRCULARIDAD) REDONDEZ (CUALQUIER SUPERFICIE) PERFIL DE CUALQUIER LINEA VARIACION REAL CONCENTRICIDAD SIMETRÍA	A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMENSIONES SON: PULG ±.015 ±.005 ±.0005 MM ±.038 ±.013 ±.0013 ELIMINAR REBASAS Y ORILLAS FILOSAS DE LOS BORDOS. FILETEAR ESQUINA: PULG .020 mm 0.5 MAQUINAR SUPERFICIES PULG $\sqrt{2R}$ mm $\sqrt{3.2}$	DIBUJADO POR: Cherry,Zhong	07-15-2011
		APROBADO POR: Hong,Zhu TERCER ANGULO DE PROYECCION CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE A.O.SMITH CORP. Y NO DEBERAN SER REVELADOS, REPLICADOS, REPRODUCIDOS, COPIADOS, NI COMPARTIDOS SIN EL CONSENTIMIENTO ESCRITO DE A.O. SMITH CORP. © 2011 TODOS LOS DERECHOS RESERVADOS.ASME Y I.A.S.M. 1994	FECHA EDS: 02-22-2008 REV. FORMATO: F
ELECTRICAL PRODUCTS COMPANY A DIVISION OF A.O. SMITH CORPORATION		DESCRIPCION: CONN DIAGRAM-NAMEPLATE	
TAMAÑO: C		NUMERO DE DIBUJO: 17536730	
ESCALA: NONE		HOJA: 1	



<b>AO Smith</b> <small>Innovation. Not a word.</small>	<b>ELECTRICAL PRODUCTS COMPANY</b> <small>A DIVISION OF A. O. SMITH CORPORATION</small>	名称	图号	比例	张号
		07-15-2011	CONN DIAGRAM-NAMEPLATE	NONE	1
		07-15-2011	17536730		
		第三角投影			
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