Uncontrolled Copy 4 REV BY APPD DATE EC0 I.LOPEZ 12-17-2009 H.SANCHEZ 12-17-2009 EC0-0008802 627974-001 SCREW--627976-001 SCREW 627975 BONDING LUG-(5.78)[146.8] 14.33±.06 $[364.0 \pm 1.4]$ (1.95)(.05)[1.3][49.5] (5.30) [134.6] (4.29)[109.0] (2.27)[57.7] [60.0] 1/2-14 NPT AT (.06)(.19) $(45^{\circ})^{\circ}$ 12:00 O'CLOCK `[4.8] [1.5] TYP 1.83 1.80 WITH PLUG (OR AS SPECIFIED 46.4 45.6 ON PROCESS SHEET) (.56)(\$95.15)1/2-14 NPT AT [14.2] 4.30 [ø130.7] 3:00 0'CLOCK [109.2] -3/8–16 UNC–2A R.H. THREADS WITH PLUG B.C. CORD NOTCH (6.38)[162.1] 4995 12.701 12.689 _ ^ø4.335 _ ^ø4.325 _ ø110.11 ø109.85 (8.62)3.53 3.47 [218.9] 89.5 88.0 SLINGER 3.28 3.22 7.9 4.8 (3.00)RUBBER BAND (WHEN REQ'D (2.44)(2.44)MOUNTING SLOTS [76.2] 83.4 81.9 LOCATE NUTS ON 10:30 & 4:30 (.34 X 1.22) VIEWING LEAD END AS SHOWN) [(8.6 X 31.0)] #8-32 UNC-2A (3.76)EXTENDED (6.50)[95.5] THRU BOLTS [165.1 NAMEPLATE DATA EXTERNAL CONNECTION DIAGRAM NOTES MODEL: 193559 CUST PN: BN63 HP: 4.0-.42 SPL SF: -ROT: CW RPM: 3450/1725 MOTOR CONNECTION 1. ALL DIMENSIONS SHOWN IN PARENTHESIS MOTOR CONNECTION WITH TYPE: CXSM WITH/OUT TOGGLE SWITCH TOGGLE SWITCH ARE REFERENCE DIMENSIONS. GREEN GROUND SCREW FORM: -FRAME: Y 48 Y 2. THE BOTTOM TWO THRU BOLTS IN SHAFT INSTALLED WITH A (.09[2.3]) GAP VOLTS: 230 AMPS: 12.0/3.5 MAX_AMPS: -END BRACKET ARE TO BE PARALELL TO HIGH SPEED LINE 2 **−**0 2 FOR EASY CONNECTION BASE WITHIN (.060[1.52]).
3. LEAD END FRAME TO BE ORIENTED TO DRIVE ___O 3 OR 4 LOW_SPEED_ **DETAIL** SF AMPS: -PH: 1 HZ: 60 AMB: 50 3 OR 4 END FRAME TO WITHIN $+/-2^{\circ}$. DETAIL OF GROUND SCREW INS: B INSTALLATION UNDER COVER DUTY: CONT OF FRONT BRACKET **ENCLOSURE: ODP** (SCALE: 4/1) THERMALLY PROTECTED .09 [2.3] GEOMETRIC CHARACTERISTICS & SYMBOLS

// FLATNESS

— STRAIGHTNESS UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS: **ELECTRICAL PRODUCTS** PERFORMANCE **APPROVED Smith** MARGUE 02-19-2004 COMPANY CURVE SAMPLE DIM. IOLERANCES ARE AS FOLLOWS:

X XX XXXX
INCH ±.1 ±.02 ±.005 ±.0005
mm ±0.5 ±0.13 ±0.013
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 SURFACES:
INCH 125 mm 3.2 APPD: ANGULARITY
PERPENDICULARITY (SQUARENESS) D.WENDLING 18071711 DESCRIPTION / PERFECTION CONTROL (SQUARE // PARALLELISM OR ROUNDNESS (CIRCULARITY) // CYLINDRICITY OP PROFILE OF ANY SURFACE OP ROUNDLE OF ANY LINE EDS DATE EDS DATE THIRD ANGLE PROJECTION FORMAT REV F UL COMPONENT CSA OUTLINE FILE# CCN# FILE# GUIDE# 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.

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ASME Y14.5M 1994

SCALE NONE SHEET 1 METRIC DIMS. SHOWN IN [BRACKETS] 4

Uncontrolled Copy REVISION: ECO APROBADO POR: REVISADO POR: FECHA: FECHA: H.SANCHEZ EC0-0008802 I.LOPEZ 12-17-2009 12-17-2009 627974-001 TORNILLO --627976-001 TORNILLO 627975 TERMINAL-(5.78)[146.8] 14.33±.06 $[364.0 \pm 1.4]$ (1.95)(.05)[49.5] [1.3] (5.30)(4.29)[134.6] [109.0] (2.27)[57.7] [60.0] 1/2-14 NPT A 12:00 (.06)(.19) $(45^{\circ})^{\circ}$ EN PUNTO CON [1.5] [4.8] TYP 1.83 1.80 TAPONES (O COMO SE ESPECIFIQUE EN LA 46.4 45.6 HOJA DE PROCESO) (.56)(\$95.15)1/2-14 NPT A [14.2] 4.30 [ø130.7] LAS 3:00 EN [109.2] ROSCA 3/8-16 PUNTO CON ENTRE UNC-2A R.H. TAPONES. **CENTROS** MUESCA DEL (6.38)CORDON [162.1] 4995 12.701 12.689 _ ^ø4.335 _ ^ø4.325 _ ø110.11 ø109.85 (8.62)3.53 3.47 [218.9] 89.5 88.0 ARANDELA 3.28 3.22 7.9 4.8 BANDA ELASTICA (LOCALIZAR (3.00)RANURAS DE (2.44)(2.44)TUERCAS A LAS 10:30 Y 4:30 MONTAJE [76.2] 83.4 81.9 VIENDO EL LADO FINAL DE LOS [62.0] (.34 X 1.22) _ [62.0] CABLES COMO SE MUESTRA) [(8.6 X 31.0)] (3.76)TORNILLOS PASADOS (6.50)[95.5] EXTENDIDOS #8-32 UNC-2A [165.1 NAMEPLATE DATA EXTERNAL CONNECTION DIAGRAM NOTES MODEL: 193559 CUST PN: BN63 HP: 4.0-.42 SPL SF: -ROT: CW RPM: 3450/1725 1. TODAS LAS DIMENSIONES MOSTRADAS EN TYPE: CXSM PARENTESIS SON DIM. DE REFERENCIA. TORNILLO DE TIERRA FORM: -FRAME: Y 48 Y (VERDE)INSTALADO CON 2. LOS DOS TORNILLOS INFERIORES PASADOS EN VOLTS: 230 AMPS: 12.0/3.5 MAX_AMPS: -UN HUECO DE (.09) FLECHA Y TAPA FINAL DEBEN ESTAR PARALE-LOS CON LA BASE DENTRO DE (.060)[(1.52)]. PARA FACIL CONEXIÓN -03 OR 4 3. LA SALIDA DE LOS CABLES DEBÈ ESTAR SF AMPS: -PH: 1 HZ: 60 ORIENTADA HACIA EL LADO MOTRIZ DEL MOTOR TORNILLO DE TIERRA INS: B AMB: 50 DENTRO DE +/- 2°. INSTALACION DE TORNILLO DUTY: CONT BAJO LADECTANBLERTA DEL LA **ENCLOSURE: ODP** TAPA FRONTAL THERMALLY PROTECTED .09 (ESCALA 4/1) [2.3] I<mark>BUJADO POR:</mark> MARGUE ELECTRICAL PRODUCTS PERFORMANCE **APPROVED Smith** 02-19-2004 CURVE SAMPLE COMPANY APROBADO POR: D.WENDLING 18071711 DESCRIPCION: FECHA EDS: EDS DATE UL COMPONENT CSA TERCER ANGULO REV. FORMATO: F OUTLINE DE PROYECCION FILE# CCN# FILE# GUIDE# DEL BORDE.

PULG .003-.015 mm 0.1-0.4
FILETEAR ESQUINA: PULG .020 mm 0.5
MAQUINAR SUPERFICIES
PULG 125 mm 3.2

DIMS METRICAS MOSTRADAS [PARENTESIS]

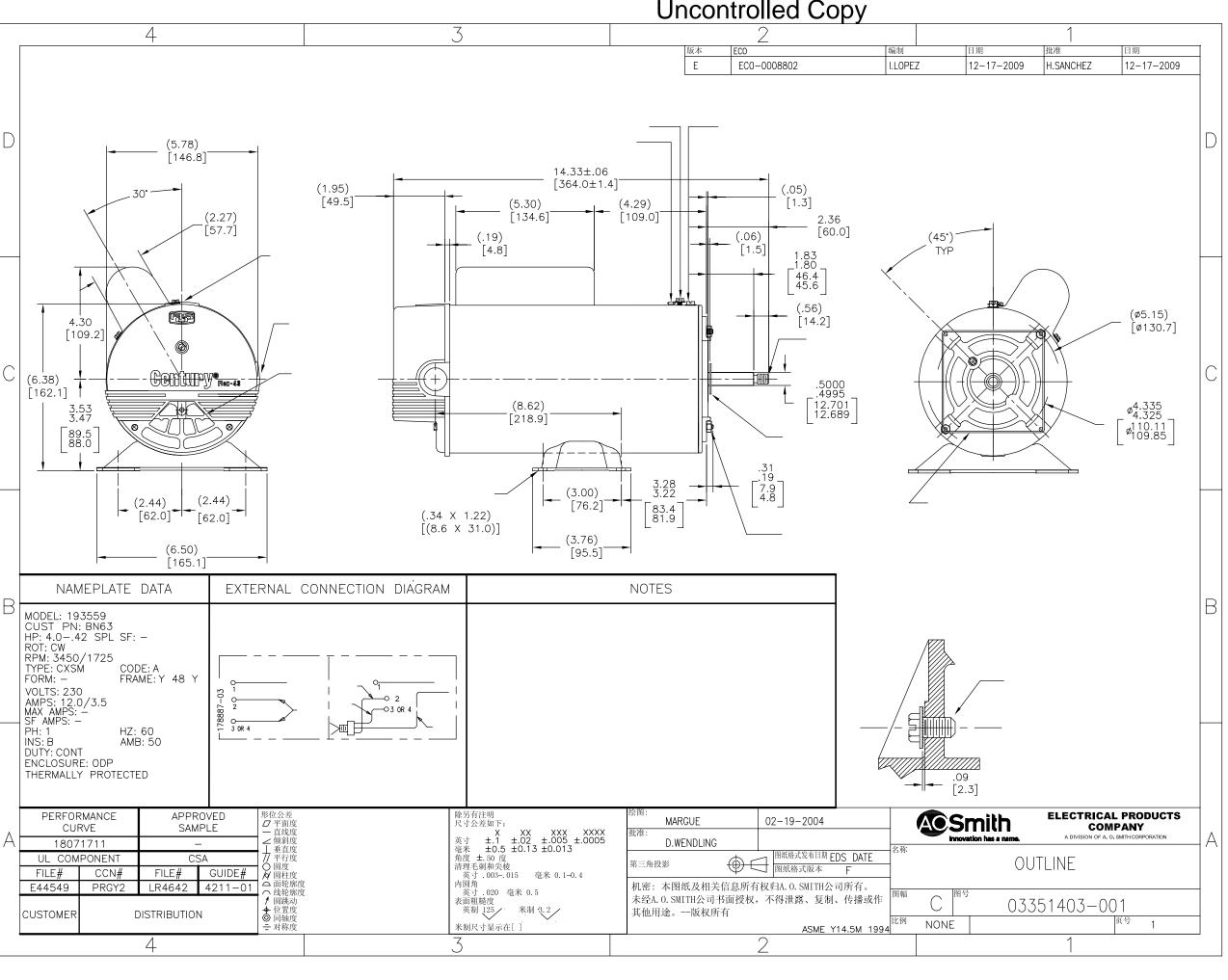
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