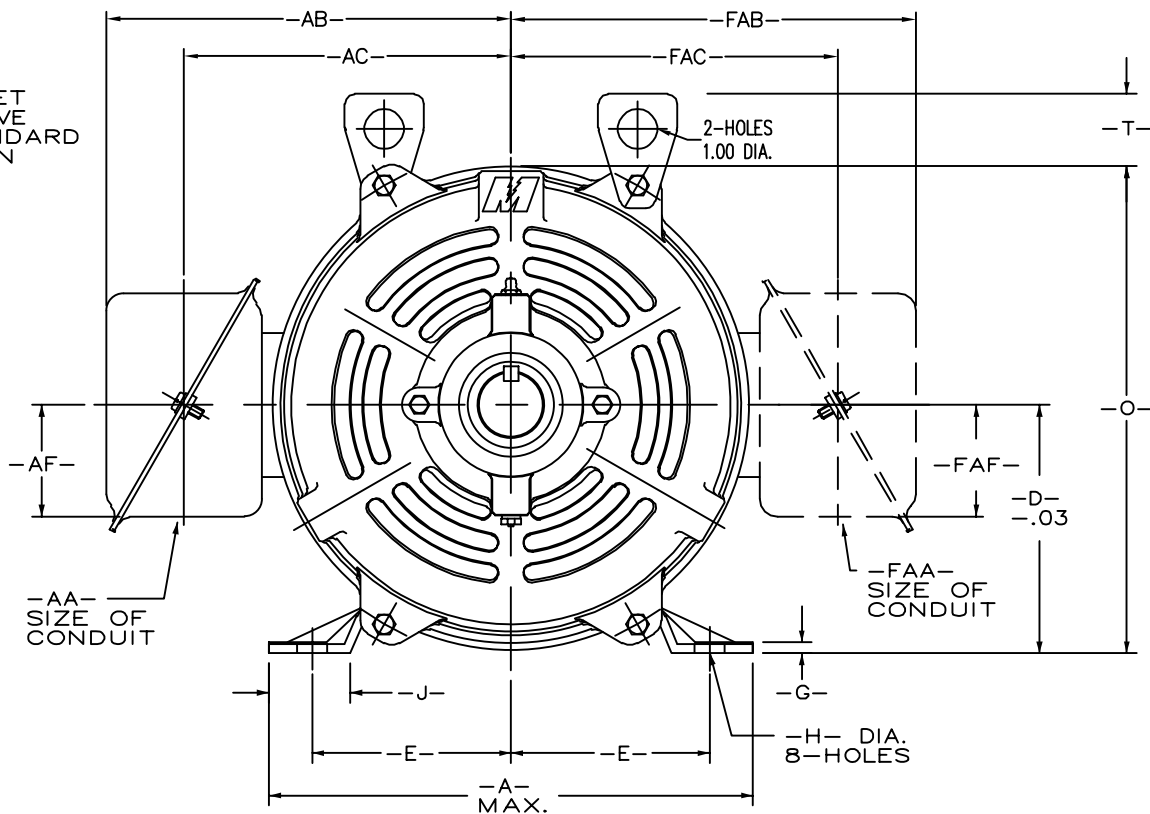
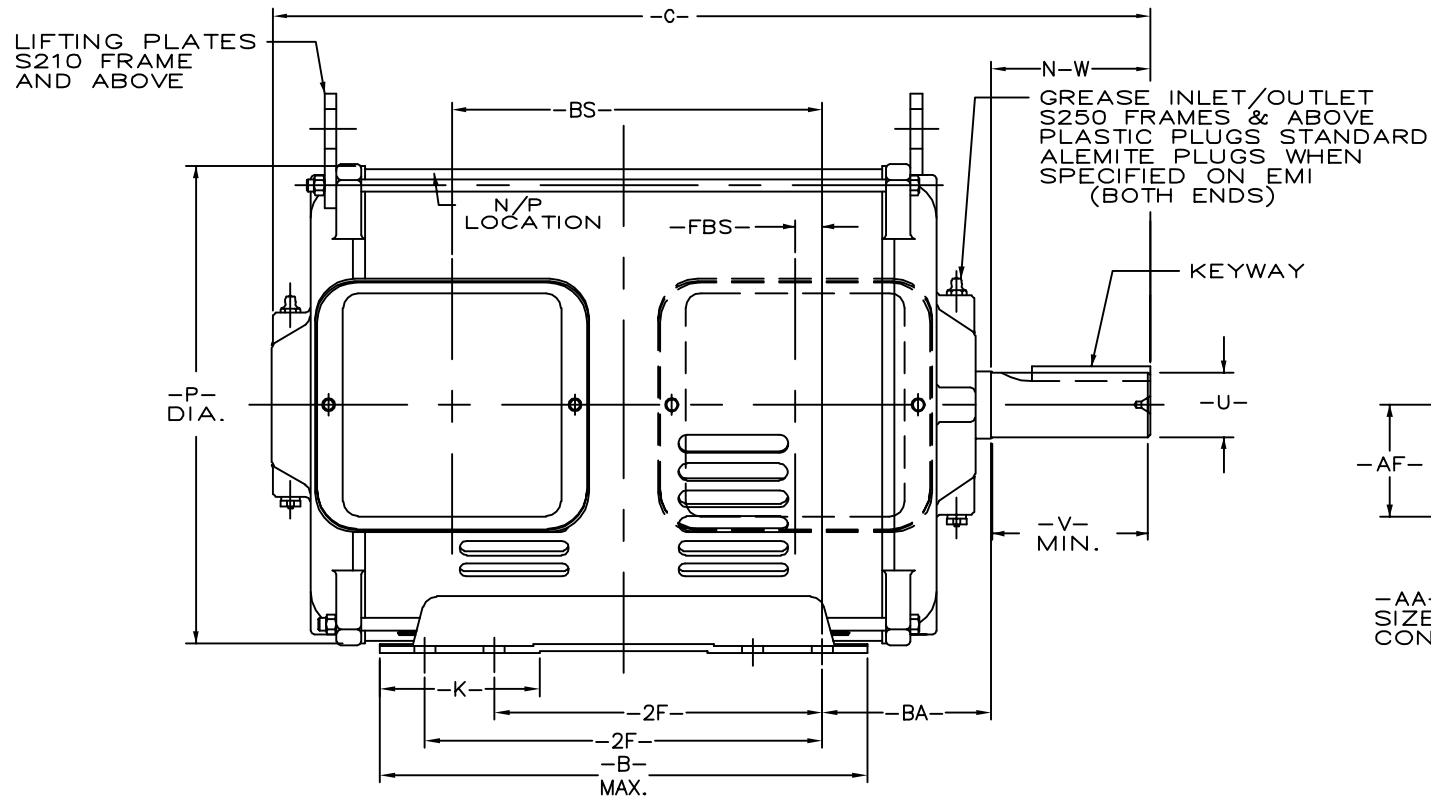


REV	ECO	REV BY	DATE	APPD	DATE
H	0003152	ccontr	12-13-2008	C. CONTRERAS	12-13-2008



FRAME	TERMINAL BOX F1 MTG					TERMINAL BOX F2 MTG					-BA-
	-AA-	-AB-	-AC-	-AF-	-BS-	-FAA-	-FAB-	-FAC-	-FAF-	-FBS-	
S180	3/4	7.63	5.94	2.50	4.94	3/4	7.00	5.63	2.16	0.56	2.75
S210	1	7.63	5.94	2.50	7.38	1	7.00	5.63	2.16	0.19	3.50
S250	1-1/4	10.19	8.16	2.81	9.32	1-1/4	10.19	8.25	2.85	0.68	4.25
G250	1-1/4	10.19	8.16	2.81	11.07	1-1/4	10.19	8.25	2.85	0.68	4.25
S280	1-1/2	10.19	8.16	2.81	10.32	1-1/2	10.19	8.25	2.85	0.68	4.75

OVERUP TO	-U- DIM.	TOL. ON -U- DIM.	SHAFT RUNOUT
	1.500	+0.0000 -0.0005	1.625 .002
OVERUP TO	-U- DIM.	TOL. ON -U- DIM.	SHAFT RUNOUT
	1.500	+0.000 -0.001	1.625 .003

CERTIFICATION OF A.C. MOTORS
CERTIFIED FOR _____ CERTIFICATION
SPEC. NO. _____ ORDER NO. _____ NO.
ORDER I.D. _____ I.D. NO. _____ EMI EMI
TYPE _____ TYPE _____ FRAME _____ FRAME _____ H.P.H.P.
R.P.M. RPM _____ VOLTS _____ VOLTS _____ PHASE PHASE
HERTZ HERTZ _____ AMPS _____ AMPS _____ CODE _____
REMARKS _____ REMARKS
APPROVED BY _____ APPROVED BY _____ DATE: DATE

FRAME	KEYWAY			-A-	-B-	-C-	-D-	-E-	-2F-	-G-	-H-	-J-	-K-	N-W	-O-	-P-	-T-	-U-	-V-
	WIDTH	DEPTH	LENGTH																
S182T	0.250	0.125	2.50	9.00	7.75	13.65	4.500	3.750	4.500	0.164	.406	1.48	2.93	2.75	8.78	8.53	----	1.125	2.75
S184T	0.250	0.125	2.50	9.00	7.75	13.65	4.500	3.750	5.500	0.164	.406	1.48	2.93	2.75	8.78	8.53	----	1.125	2.75
S213T	0.312	0.156	3.13	10.00	10.75	17.28	5.250	4.250	5.500	0.180	.406	1.58	3.43	3.38	9.53	8.57	1.77	1.375	3.25
S215T	0.312	0.156	3.13	10.00	10.75	17.28	5.250	4.250	7.000	0.180	.406	1.58	3.43	3.38	9.53	8.57	1.77	1.375	3.25
S254T	0.375	0.188	3.75	12.18	12.25	22.12	6.250	5.000	8.250	0.194	.531	2.06	4.06	4.00	12.25	12.00	1.82	1.625	3.88
G256T	0.375	0.188	3.75	12.18	12.25	23.85	6.250	5.000	8.250	0.194	.531	2.06	4.06	4.00	12.25	12.00	1.82	1.625	3.88
S256T	0.375	0.188	3.75	12.18	12.25	22.12	6.250	5.000	0.000	0.194	.531	2.06	4.06	4.00	12.25	12.00	1.82	1.625	3.88
S284T	0.500	0.250	4.38	12.75	13.25	24.25	7.000	5.500	9.500	0.194	.531	1.81	3.81	4.62	13.00	12.00	1.82	1.875	4.50
S284TS	0.375	0.188	3.00	12.75	13.25	22.88	7.000	5.500	9.500	0.194	.531	1.81	3.81	3.25	13.00	12.00	1.82	1.625	3.12
S286T	0.500	0.250	4.38	12.75	13.25	24.25	7.000	5.500	11.000	0.194	.531	1.81	3.81	4.62	13.00	12.00	1.82	1.875	4.50
S286TS	0.375	0.188	3.00	12.75	13.25	22.88	7.000	5.500	11.000	0.194	.531	1.81	3.81	3.25	13.00	12.00	1.82	1.625	3.12

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800112
ENG. REF.

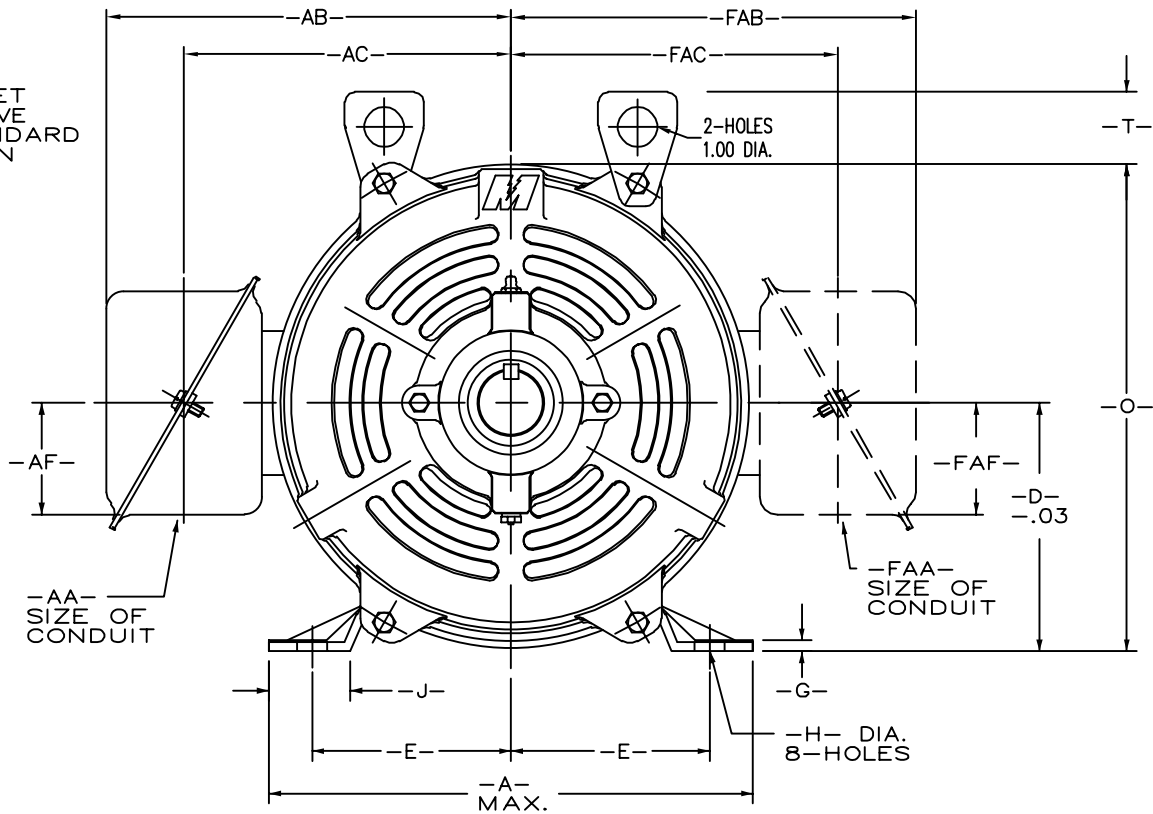
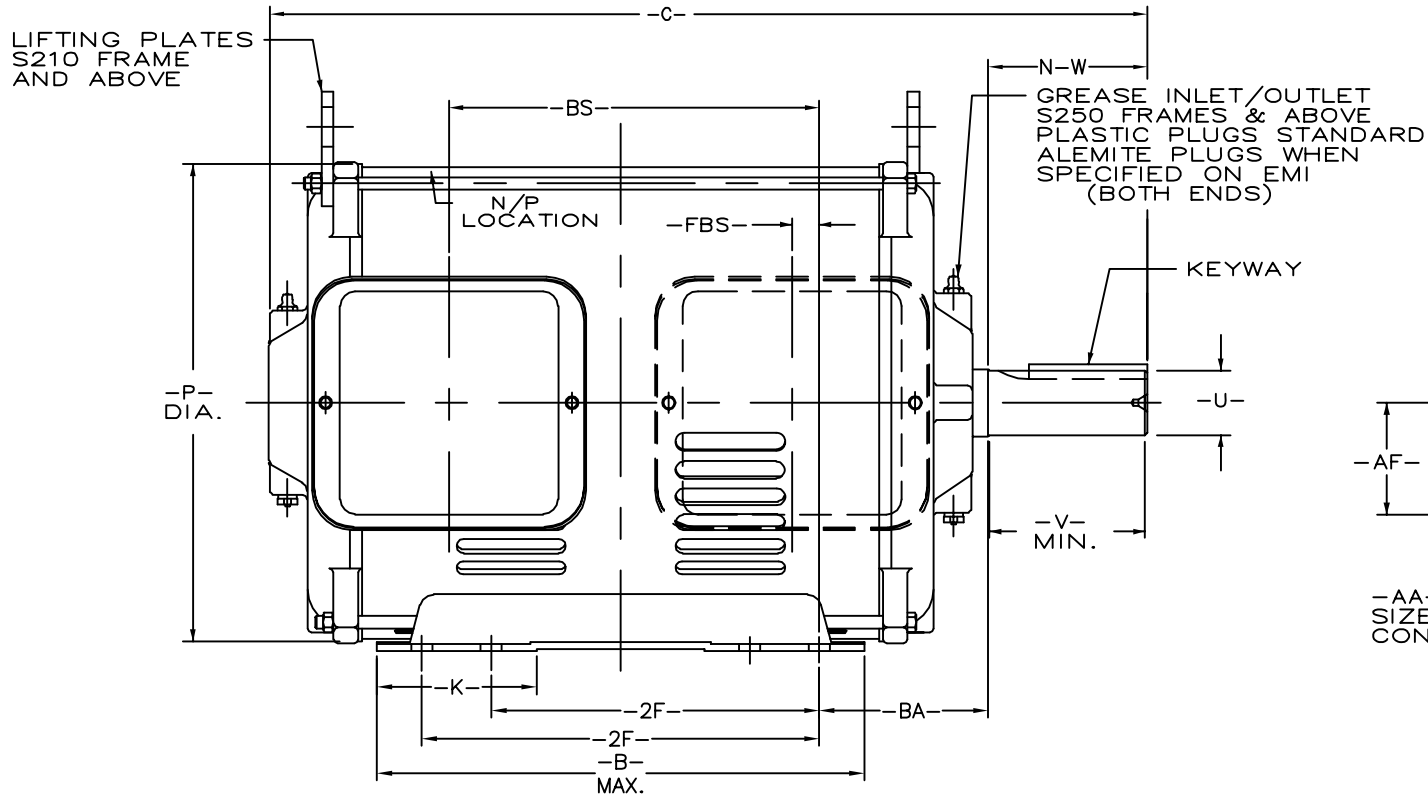
GEOMETRIC CHARACTERISTICS & SYMBOLS
□ FLATNESS
— STRAIGHTNESS
∠ ANGULARITY
⊥ PERPENDICULARITY (SQUARENESS)
// PARALLELISM
○ ROUNDNESS (CIRCULARITY)
⊙ CYLINDRICITY
△ PROFILE OF ANY SURFACE
∩ PROFILE OF ANY LINE
↑ RUNOUT
⊕ TRUE POSITION
◎ CONCENTRICITY
≡ SYMMETRY

UNLESS OTHERWISE SPECIFIED
DIM. TOLERANCES ARE AS FOLLOWS:
INCH X XX XXX XXXX
mm ±0.1 ±0.2 ±0.05 ±0.005
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
METRIC DIMS. SHOWN IN [BRACKETS]

DR BY: SBC 04-25-1994
APPD: MAS 04-25-1994
THIRD ANGLE PROJECTION
EDS DATE EDS DATE
FORMAT REV F
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ACSmith
Innovation has a name.
ELECTRICAL PRODUCTS COMPANY
A DIVISION OF A. O. SMITH CORPORATION
DESCRIPTION
MOT-S180/S280 F1/F2 STD T
SIZE C DWG NO 80009201
SCALE NONE SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
H	0003152	ccontr	12-13-2008	C. CONTRERAS	12-13-2008



FRAME	TERMINAL BOX F1 MTG					TERMINAL BOX F2 MTG					-BA-
	-AA-	-AB-	-AC-	-AF-	-BS-	-FAA-	-FAB-	-FAC-	-FAF-	-FBS-	
S180	3/4	7.63	5.94	2.50	4.94	3/4	7.00	5.63	2.16	0.56	2.75
S210	1	7.63	5.94	2.50	7.38	1	7.00	5.63	2.16	0.19	3.50
S250	1-1/4	10.19	8.16	2.81	9.32	1-1/4	10.19	8.25	2.85	0.68	4.25
G250	1-1/4	10.19	8.16	2.81	11.07	1-1/4	10.19	8.25	2.85	0.68	4.25
S280	1-1/2	10.19	8.16	2.81	10.32	1-1/2	10.19	8.25	2.85	0.68	4.75

OVERUP TO	-U- DIM.	TOL. ON -U- DIM.	SHAFT RUNOUT
	1.500	+ .0000 - .0005	1.625 .002
OVERUP TO	-U- DIM.	TOL. ON -U- DIM.	SHAFT RUNOUT
	1.500	+ .000 - .001	1.625 .003

CERTIFICATION OF A.C. MOTORS
CERTIFIED FOR _____ CERTIFICATION
SPEC. NO. _____ ORDER NO. _____ NO.
ORDER I.D. _____ I.D. NO. _____ EMI EMI
TYPE _____ TYPE _____ FRAME _____ FRAME _____ H.P.H.P.
R.P.M. RPM _____ VOLTS _____ VOLTS _____ PHASE PHASE
HERTZ HERTZ _____ AMPS _____ AMPS _____ CODE _____
REMARKS _____ REMARKS
APPROVED BY _____ APPROVED BY _____ DATE: DATE

FRAME	KEYWAY			-A-	-B-	-C-	-D-	-E-	-2F-	-G-	-H-	-J-	-K-	N-W	-O-	-P-	-T-	-U-	-V-
	WIDTH	DEPTH	LENGTH																
S182T	0.250	0.125	2.50	9.00	7.75	13.65	4.500	3.750	4.500	0.164	.406	1.48	2.93	2.75	8.78	8.53	----	1.125	2.75
S184T	0.250	0.125	2.50	9.00	7.75	13.65	4.500	3.750	5.500	0.164	.406	1.48	2.93	2.75	8.78	8.53	----	1.125	2.75
S213T	0.312	0.156	3.13	10.00	10.75	17.28	5.250	4.250	5.500	0.180	.406	1.58	3.43	3.38	9.53	8.57	1.77	1.375	3.25
S215T	0.312	0.156	3.13	10.00	10.75	17.28	5.250	4.250	7.000	0.180	.406	1.58	3.43	3.38	9.53	8.57	1.77	1.375	3.25
S254T	0.375	0.188	3.75	12.18	12.25	22.12	6.250	5.000	8.250	0.194	.531	2.06	4.06	4.00	12.25	12.00	1.82	1.625	3.88
G256T	0.375	0.188	3.75	12.18	12.25	23.85	6.250	5.000	8.250	0.194	.531	2.06	4.06	4.00	12.25	12.00	1.82	1.625	3.88
S256T	0.375	0.188	3.75	12.18	12.25	22.12	6.250	5.000	0.000	0.194	.531	2.06	4.06	4.00	12.25	12.00	1.82	1.625	3.88
S284T	0.500	0.250	4.38	12.75	13.25	24.25	7.000	5.500	9.500	0.194	.531	1.81	3.81	4.62	13.00	12.00	1.82	1.875	4.50
S284TS	0.375	0.188	3.00	12.75	13.25	22.88	7.000	5.500	9.500	0.194	.531	1.81	3.81	3.25	13.00	12.00	1.82	1.625	3.12
S286T	0.500	0.250	4.38	12.75	13.25	24.25	7.000	5.500	11.000	0.194	.531	1.81	3.81	4.62	13.00	12.00	1.82	1.875	4.50
S286TS	0.375	0.188	3.00	12.75	13.25	22.88	7.000	5.500	11.000	0.194	.531	1.81	3.81	3.25	13.00	12.00	1.82	1.625	3.12

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ENG. REF.

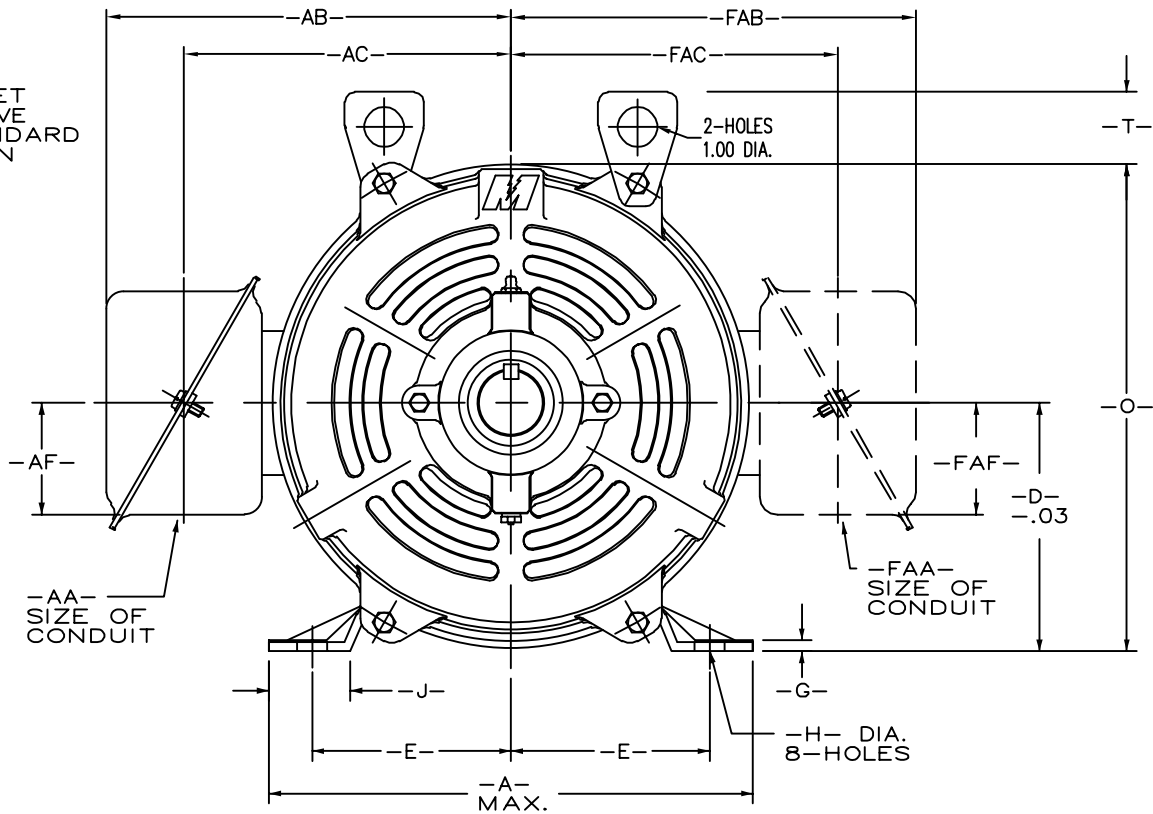
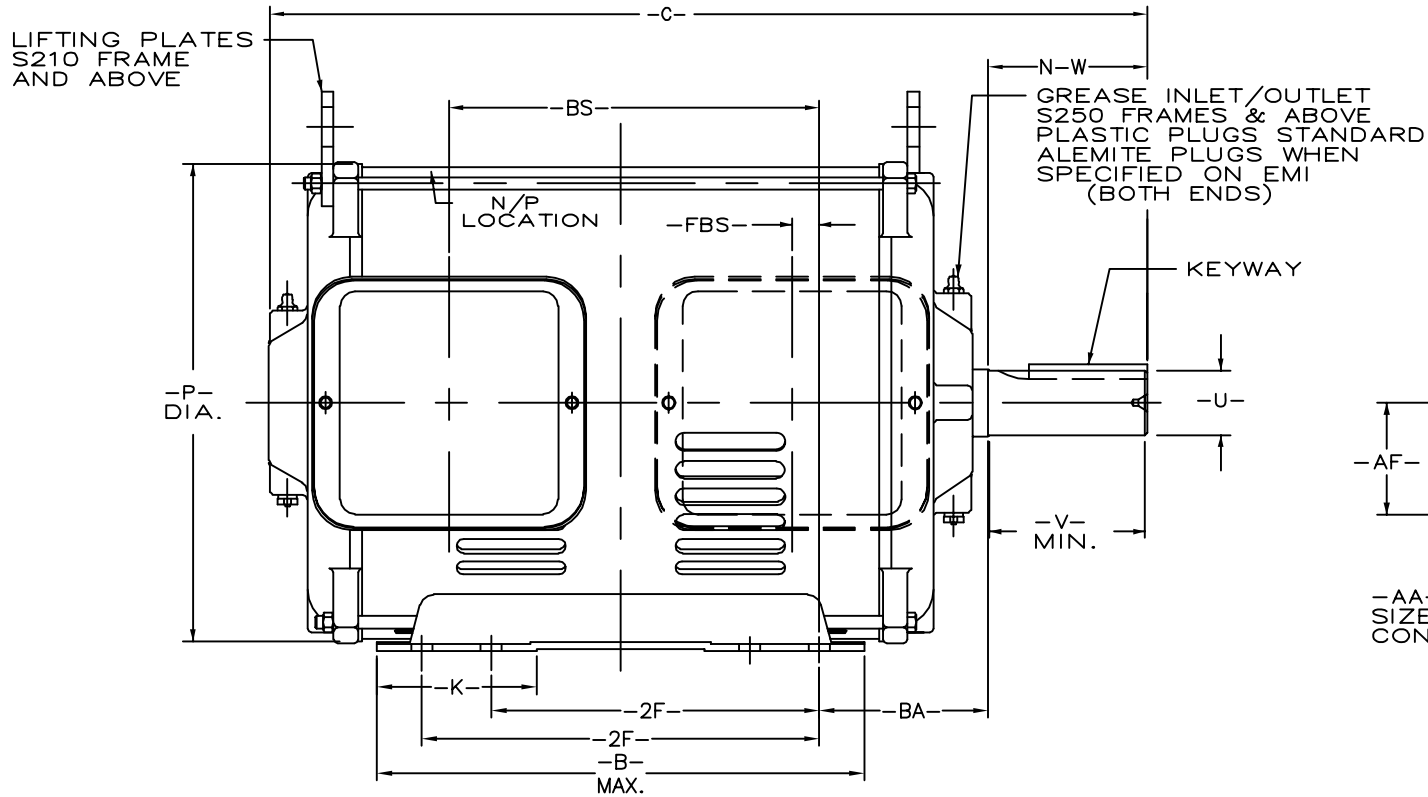
CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS
✓ PLANICIDAD
— RECTITUD
∠ ANGULARIDAD
⊥ PERPENDICULARIDAD (A ESQUADRA)
// PARALELISMO
○ REDONDEZ (CIRCULARIDAD)
⊘ CILINDRICIDAD
△ PERFIL DE CUALQUIER SUPERFICIE
∧ PERFIL DE CUALQUIER LINEA
↑ VARIACION
⊕ POSICION REAL
◎ CONCENTRICIDAD
= SIMETRIA

A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:
xx xxx xxxxx
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
DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR: SBC
APROBADO POR: MAS
TERCER ANGULO DE PROYECCION
FECHA EDS: EDS DATE
REV. FORMATO: F
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.
-TODOS LOS DERECHOS RESERVADOS.ASME Y14.5M 1994

ACSmith
Innovation has a name.
ELECTRICAL PRODUCTS COMPANY
A DIVISION OF A. O. SMITH CORPORATION
DESCRIPCION: OUTLINE
MOT-S180/S280 F1/F2 STD T
TAMAÑO: C NUMERO DE DIBUJO: 80009201
ESCALA: NONE HOJA: 1

版本	ECO	编制	日期	批准	日期
H	0003152	ccontr	12-13-2008	C. CONTRERAS	12-13-2008



FRAME	TERMINAL BOX F1 MTG					TERMINAL BOX F2 MTG					-BA-
	-AA-	-AB-	-AC-	-AF-	-BS-	-FAA-	-FAB-	-FAC-	-FAF-	-FBS-	
S180	3/4	7.63	5.94	2.50	4.94	3/4	7.00	5.63	2.16	0.56	2.75
S210	1	7.63	5.94	2.50	7.38	1	7.00	5.63	2.16	0.19	3.50
S250	1-1/4	10.19	8.16	2.81	9.32	1-1/4	10.19	8.25	2.85	0.68	4.25
G250	1-1/4	10.19	8.16	2.81	11.07	1-1/4	10.19	8.25	2.85	0.68	4.25
S280	1-1/2	10.19	8.16	2.81	10.32	1-1/2	10.19	8.25	2.85	0.68	4.75

-U- DIM.	TOL. ON -U- DIM.	SHAFT RUNOUT
UP TO 1.500	+ .0000 - .0005	TO 1.625 .002
OVER 1.500	+ .000 - .001	OVER 1.625 .003

CERTIFICATION OF A.C. MOTORS				
CERTIFIED FOR _____ CERTIFICATION				
SPEC. NO.	NO.	ORDER NO.	NO.	NO.
ORDER I.D.	NO.	I.D. NO.	EMI	EMI
TYPE	TYPE	FRAME	FRAME	H.P.H.P.
R.P.M.	RPM	VOLTS	VOLTS	PHASE
HERTZ	HERTZ	AMPS	AMPS	CODE
REMARKS				
REMARKS2				
APPROVED BY				
APPROVED BY				
DATE: DATE				

FRAME	KEYWAY			-A-	-B-	-C-	-D-	-E-	-2F-	-G-	-H-	-J-	-K-	N-W	-O-	-P-	-T-	-U-	-V-
	WIDTH	DEPTH	LENGTH																
S182T	0.250	0.125	2.50	9.00	7.75	13.65	4.500	3.750	4.500	0.164	.406	1.48	2.93	2.75	8.78	8.53	----	1.125	2.75
S184T	0.250	0.125	2.50	9.00	7.75	13.65	4.500	3.750	5.500	0.164	.406	1.48	2.93	2.75	8.78	8.53	----	1.125	2.75
S213T	0.312	0.156	3.13	10.00	10.75	17.28	5.250	4.250	5.500	0.180	.406	1.58	3.43	3.38	9.53	8.57	1.77	1.375	3.25
S215T	0.312	0.156	3.13	10.00	10.75	17.28	5.250	4.250	7.000	0.180	.406	1.58	3.43	3.38	9.53	8.57	1.77	1.375	3.25
S254T	0.375	0.188	3.75	12.18	12.25	22.12	6.250	5.000	8.250	0.194	.531	2.06	4.06	4.00	12.25	12.00	1.82	1.625	3.88
G256T	0.375	0.188	3.75	12.18	12.25	23.85	6.250	5.000	8.250	0.194	.531	2.06	4.06	4.00	12.25	12.00	1.82	1.625	3.88
S256T	0.375	0.188	3.75	12.18	12.25	22.12	6.250	5.000	0.000	0.194	.531	2.06	4.06	4.00	12.25	12.00	1.82	1.625	3.88
S284T	0.500	0.250	4.38	12.75	13.25	24.25	7.000	5.500	9.500	0.194	.531	1.81	3.81	4.62	13.00	12.00	1.82	1.875	4.50
S284TS	0.375	0.188	3.00	12.75	13.25	22.88	7.000	5.500	9.500	0.194	.531	1.81	3.81	3.25	13.00	12.00	1.82	1.625	3.12
S286T	0.500	0.250	4.38	12.75	13.25	24.25	7.000	5.500	11.000	0.194	.531	1.81	3.81	4.62	13.00	12.00	1.82	1.875	4.50
S286TS	0.375	0.188	3.00	12.75	13.25	22.88	7.000	5.500	11.000	0.194	.531	1.81	3.81	3.25	13.00	12.00	1.82	1.625	3.12

800114
800112
ENG. REF.

形位公差
□ 平面度
— 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 XX XXX XXXX
毫米 ±.1 ±.02 ±.005 ±.0005
毫米 ±0.5 ±0.13 ±0.013
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:	SBC	04-25-1994
批准:	MAS	04-25-1994
第三角投影	⊕	图纸格式发布日期 EDS DATE 图纸格式版本 F
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ASME Y14.5M 1994		

ACSmith Innovation has a name.		ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
名称 MOT-S180/S280 F1/F2 STD T			
图幅 C	图号 80009201		
比例 NONE			页号 1