

(4) HOLES FOR .56 [14.3] DIA. FASTENERS AT MTG. BASE FLANGES - FOR CUSTOMER USE

EACH PHASE OF THE REGULATOR COMPRISES A MOTOR-DRIVEN VARIABLE AUTOTRANSFORMER, A BUCK-BOOST FIXED RATIO TRANSFORMER, AND A MANUAL RAISE/LOWER SWITCH. THE MICROPROCESSOR CONTROLLER AUTOMATICALLY POSITIONS EACH OF THE AUTOTRANSFORMERS TO HOLD THE OUTPUT VOLTAGE OF EACH PHASE CONSTANT. A RS-232 INTERFACE IS PROVIDED FOR REMOTE OPERATION AND MONITORING.

**SPECIFICATIONS:**

WAVEFORM DISTORTION ----- ZERO  
 FREQUENCY RANGE ----- 57Hz TO 63Hz  
 OUTPUT REGULATION ----- ±1V  
 CONTROL BAND (USER SELECTABLE) ----- \* ±0.5V, ±1.0V, ±2.0V, ±4.0V  
 CORRECTION RATE ----- 24 VOLTS/SECOND  
 INTERNAL IMPEDANCE ----- EXTREMELY LOW  
 PHASE SHIFT ----- NEGLIGIBLE  
 EFFICIENCY ----- APPROXIMATELY 99%  
 TEMPERATURE RANGE ----- 0°C (32°F) TO +50°C (122°F)  
 \* FACTORY SET AT ±0.5V

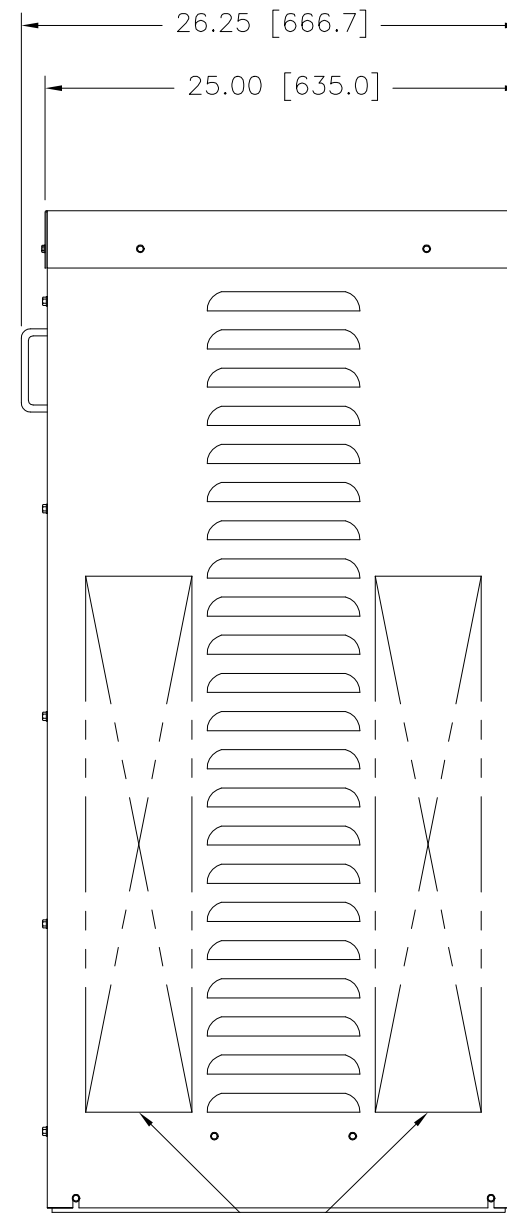
**CONTROLS:**

MICROTERMINAL: THE TERMINAL IS PROVIDED FOR LOCAL CONTROL OF THE UNIT WITH AN LCD DISPLAY FOR OUTPUT VOLTAGE READINGS. SEE THE MP USER'S HANDBOOK (FORM #003-1622) FOR DETAILED INFORMATION.

CONTROLLER ON/OFF SWITCH: THIS SWITCH TURNS OFF POWER TO THE MICROPROCESSOR CONTROLLER ONLY.

MOTOR ON/OFF SWITCH: THIS SWITCH TURNS OFF POWER FROM THE MICROPROCESSOR TO EACH OF THE AUTOTRANSFORMER MOTORS.

RAISE/LOWER SWITCHES: THESE SWITCHES ARE LOCATED INTERNALLY AND ARE ACCESSIBLE FROM THE FRONT VIA THE REMOVABLE ACCESS PANEL. THE SWITCHES ALLOW FOR EACH PHASE OF THE REGULATOR TO BE MANUALLY CONTROLLED INDIVIDUALLY.



\*\* AT NOMINAL OUTPUT VOLTAGE INPUT VOLTAGE RANGE SHIFTS PROPORTIONALLY WITH OUTPUT VOLTAGE SETTINGS.

THREE PHASE (INDIVIDUAL LINE CONTROL) 60 HZ			
OUTPUT VOLTAGE (ADJUSTMENT)	INPUT VOLTAGE RANGE **	MAXIMUM OUTPUT AMPERES	RATED OUTPUT (KVA)
480Y/277	408-528	600	500

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS #		UNITS		TITLE: SPEC. CONTROL DRAWING		 STACO ENERGY PRODUCTS CO. A COMPONENTS CORPORATION OF AMERICA COMPANY DAYTON, OHIO U.S.A.	
DECIMALS	Holes	ANGLES	DRAFT	IN	MM		
.XX	.12	.002	1°	1-1/2°		DRAWN BY: TIM RAU	
.XXX	.005					DATE: 9/25/96	
MATERIAL:		ALL DIMENSIONS APPLY AFTER PLATING		FIRST USED ON		DO NOT SCALE DWG.	
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		ENGINEER		DATE		SCALE .2=1	
						CUSTOMER APPROVAL	
						DATE	
						DWG. NO. 095-1794	
						SHEET 1 OF 2	
						DWG. SIZE D	