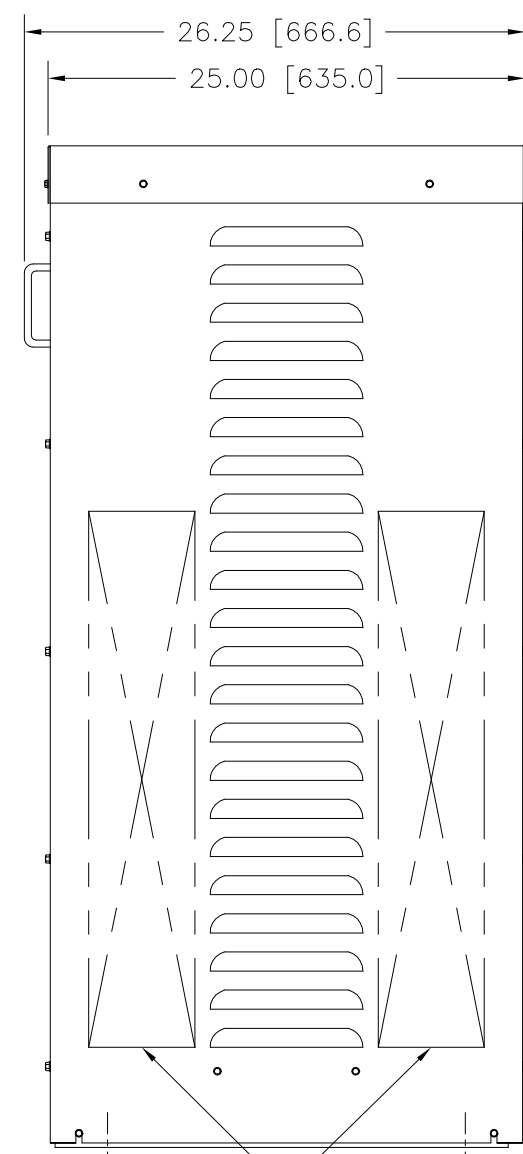
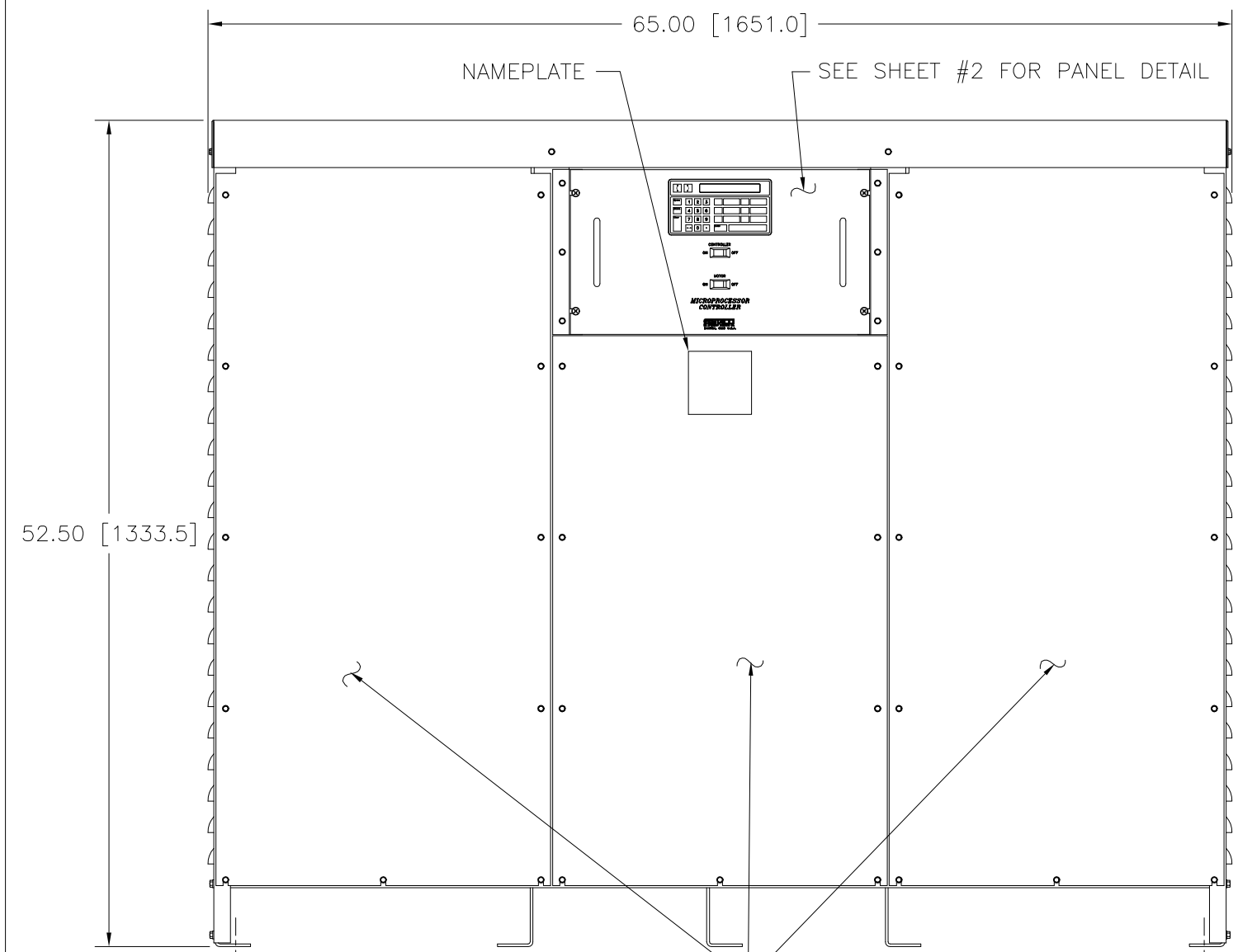
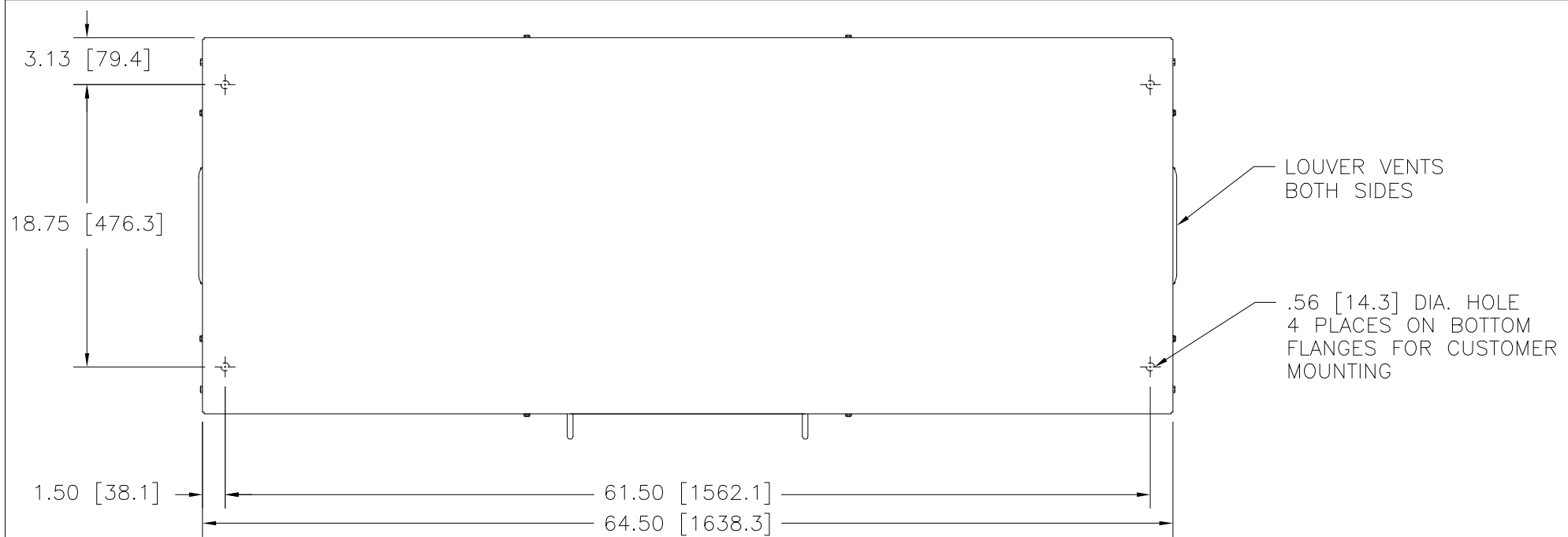


Go to VARIAC.com
to purchase and for
technical support.
Made in the USA



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	19 VOLTS/SECOND
INTERNAL IMPEDANCE	LESS THAN 1%
PHASE SHIFT	NEGLIGIBLE
EFFICIENCY	99% TYPICAL
TEMPERATURE RANGE	0°C (32°F) TO +40°C (104°F)

* FACTORY SET AT ±0.5V

WIRE RANGES FOR CUSTOMER WIRING:

INPUT/OUTPUT/NEUTRAL TERMINALS: (2) (500MCM-#4 AWG) COMPRESSION PER PHASE
GROUND TERMINAL: (1) (2/0-#14 AWG) COMPRESSION

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	432-528	400	333

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS * DECIMALS .12 .002 XX .0005 XXX .005		Holes .12 Angles 1° Draft 1-1/2°		UNITS IN (mm)	TITLE: SPEC. CONTROL DRAWING AUTO. VOLTAGE REGULATOR TYPE: CVR-48QCIY333	<p>STACO ENERGY PRODUCTS CO. A COMPONENTS CORPORATION OF AMERICA COMPANY DAYTON, OHIO U.S.A.</p>
MATERIAL:		ALL DIMENSIONS APPLY AFTER PLATING		DATE: 3/12/97	DO NOT SCALE DWG.	
DRAWN BY: TIM RAU		DATE: 3/12/97	FIRST USED ON:	CUSTOMER APPROVAL:	DATE:	
CHECKER:		DATE:	WEIGHT APPROX.:	CODE IDENT. NO. 83008	DWG. NO. 095-1927	
ENGINEER:		DATE:	SCALE: .2=1	SHEET 1 OF 2	DWG. SIZE D	

REMOVABLE ACCESS PANELS FRONT & REAR
RECOMMENDED AREAS FOR CONDUIT ENTRY.

The information and design disclosed herein was originated by and is the property of STACO ENERGY PRODUCTS CO., which reserves all patent, proprietary, design, manufacturing, reproduction, use and sale rights thereto, and to any article disclosed therein except to the extent rights are expressly granted to others. The foregoing does not apply to vendor proprietary parts.