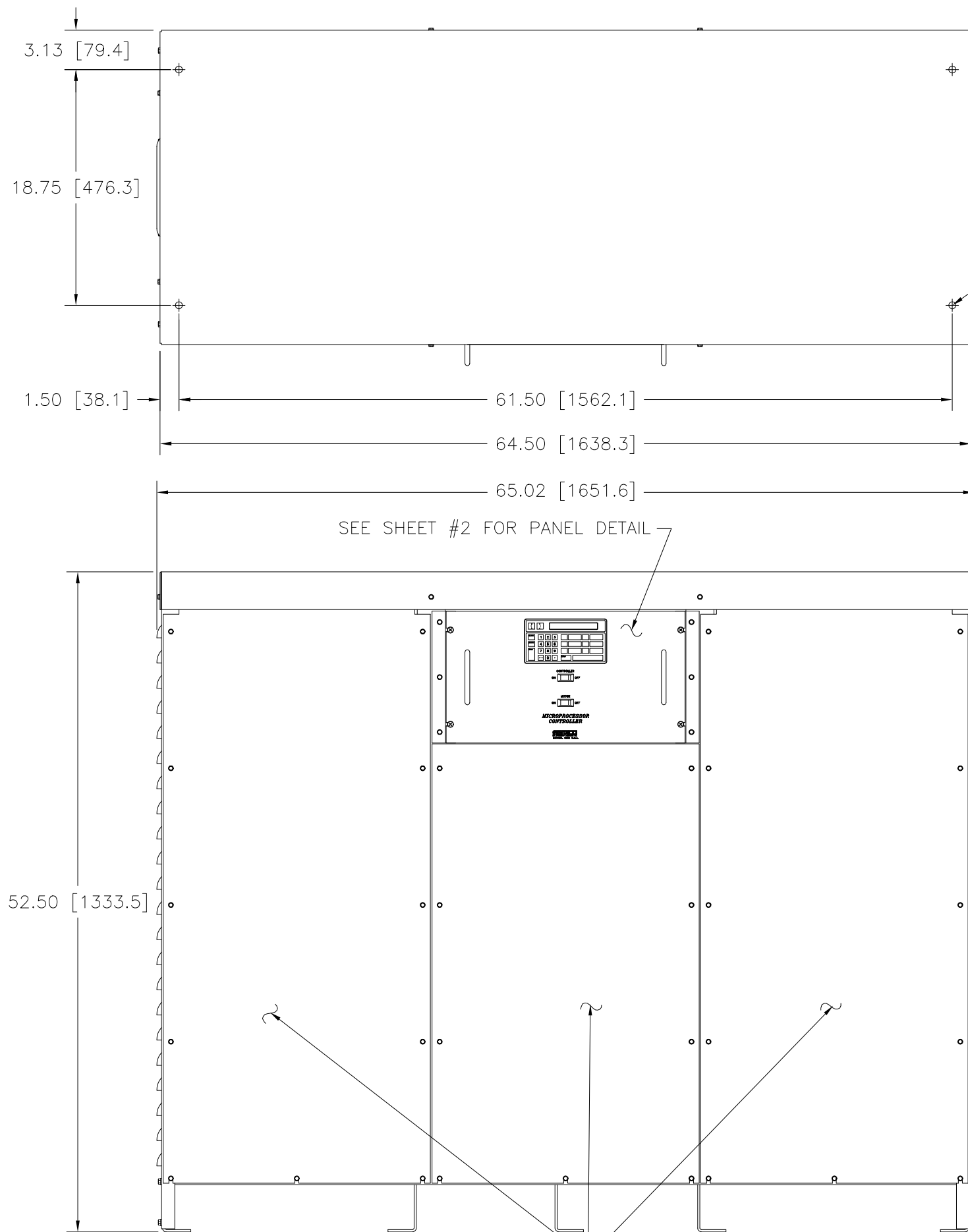


Go to VARIAC.com
to purchase and for
technical support.
Made in the USA

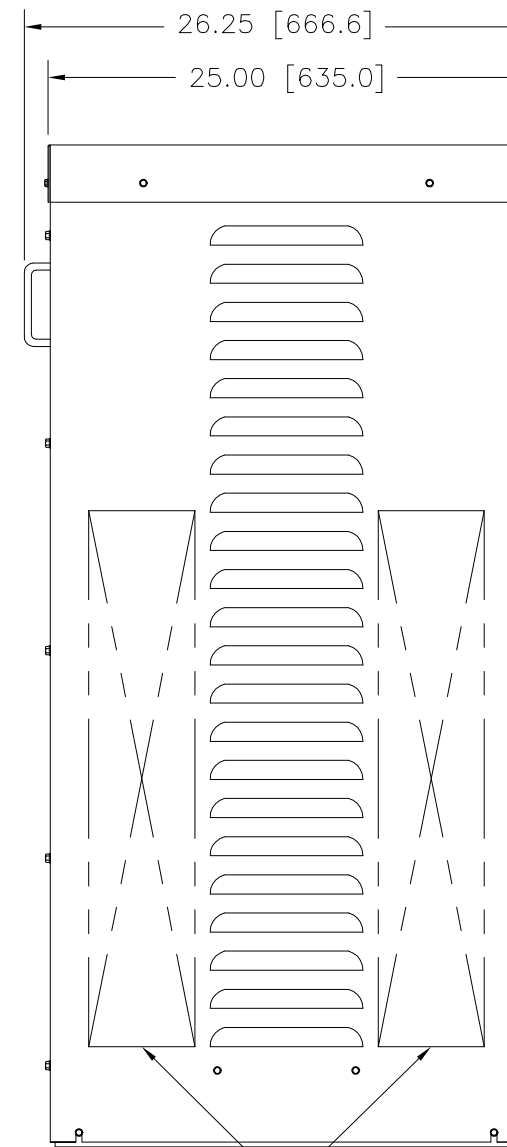


.56 [14.3] DIA. HOLE
4 PLACES ON BOTTOM
FLANGES FOR CUSTOMER
MOUNTING

SEE SHEET #2 FOR PANEL DETAIL

REMOVABLE ACCESS PANELS
FRONT & REAR

RECOMMENDED AREAS FOR
CONDUIT ENTRY.



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 - - - - - 47 HZ TO 63 HZ
 OUTPUT REGULATION - - - - - ±1%
 CONTROL BAND (USER SELECTABLE)- - - * ±0.5V, ±1.0V, ±2.0V, ±4.0V
 CORRECTION RATE - - - - - 22 VOLTS/SECOND
 INTERNAL IMPEDANCE - - - - - LESS THAN 1%
 PHASE SHIFT - - - - - NEGLIGIBLE
 EFFICIENCY - - - - - 99% TYPICAL
 TEMPERATURE RANGE - - - - - 0°C (32F) 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) 50/60 HZ			
OUTPUT VOLTAGE (ADJUSTMENT)	INPUT VOLTAGE RANGE **	MAXIMUM OUTPUT AMPERES	RATED OUTPUT (KVA)
380Y/220	304-418	342	225
UNLESS OTHERWISE SPECIFIED, TOLERANCE IS # DECIMALS .12 .002 ANGLES 1° DRAFT 1-1/2°		UNITS IN [mm]	
MATERIAL:		TITLE: SPEC. CONTROL DRAWING AUTO. VOLTAGE REGULATOR TYPE: MVR-38WDIY225	
DRAWN BY: TIM RAU		DATE: 11/14/00	FIRST USED ON: DO NOT SCALE DWG.
CHECKER:		DATE:	WEIGHT APPROX. CODE IDENT. NO. 83008
ENGINEER:		DATE:	SCALE: .2=1 SHEET 1 OF 2
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.		CUSTOMER APPROVAL: DATE:	
		DWG. NO. 095-3114	DWG. SIZE D

