

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

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

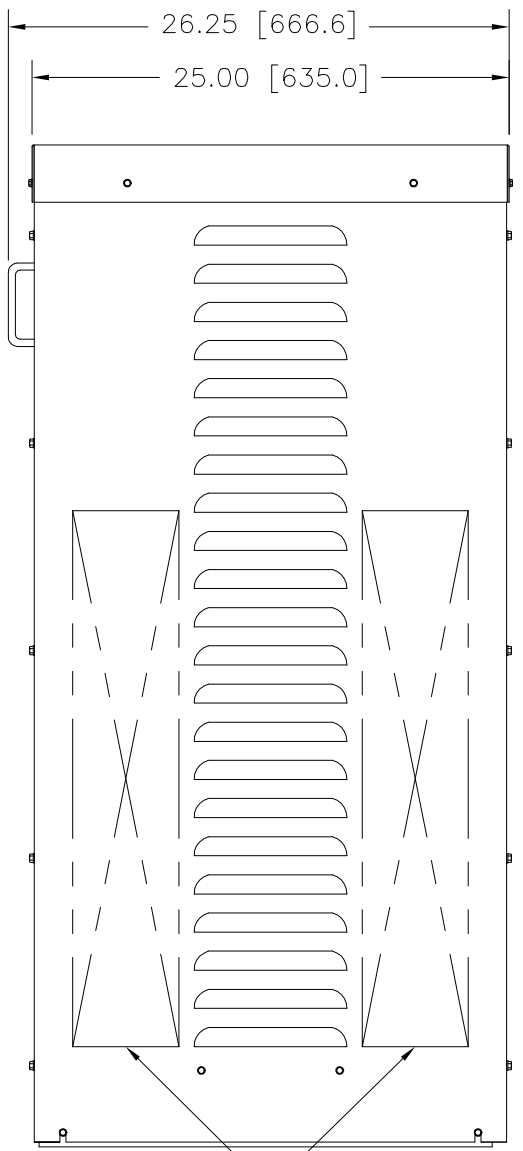
WIRE RANGES FOR CUSTOMER WIRING:

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.



SEE SHEET #2 FOR PANEL DETAIL

52.50 [1333.5]

REMOVABLE ACCESS PANELS
FRONT & REAR

RECOMMENDED AREAS FOR
CONDUIT ENTRY.

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 #		TITL: SPEC. CONTROL DRAWING	
DECIMALS	Holes	ANGLES	DRAFT
.XX	.12	.002	1°
.XXX	.005		1-1/2°
MATERIAL:		UNITS IN [mm]	
		ALL DIMENSIONS APPLY AFTER PLATING	
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DRAWN BY	DATE	FIRST USED ON	DO NOT SCALE DWG.
TIM RAU	DATE	WEIGHT APPROX.	CODE IDENT. NO. 83008
CHECKER	DATE	SCALE	DWG. NO. 095-3114
ENGINEER	DATE	SCALE .2=1	SHEET 1 OF 2

