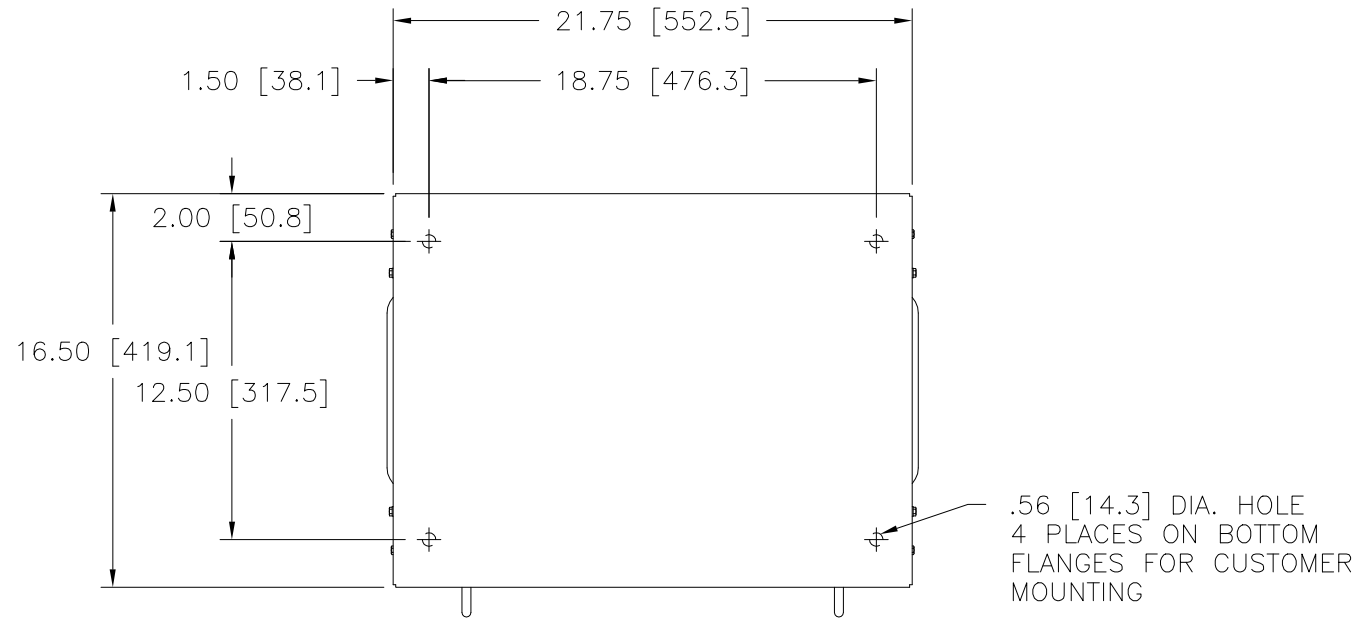


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Made in the USA



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 THE AUTOTRANSFORMER TO HOLD THE OUTPUT VOLTAGE CONSTANT. A RS-232 INTERFACE IS PROVIDED FOR REMOTE OPERATION AND MONITORING.

SPECIFICATIONS:

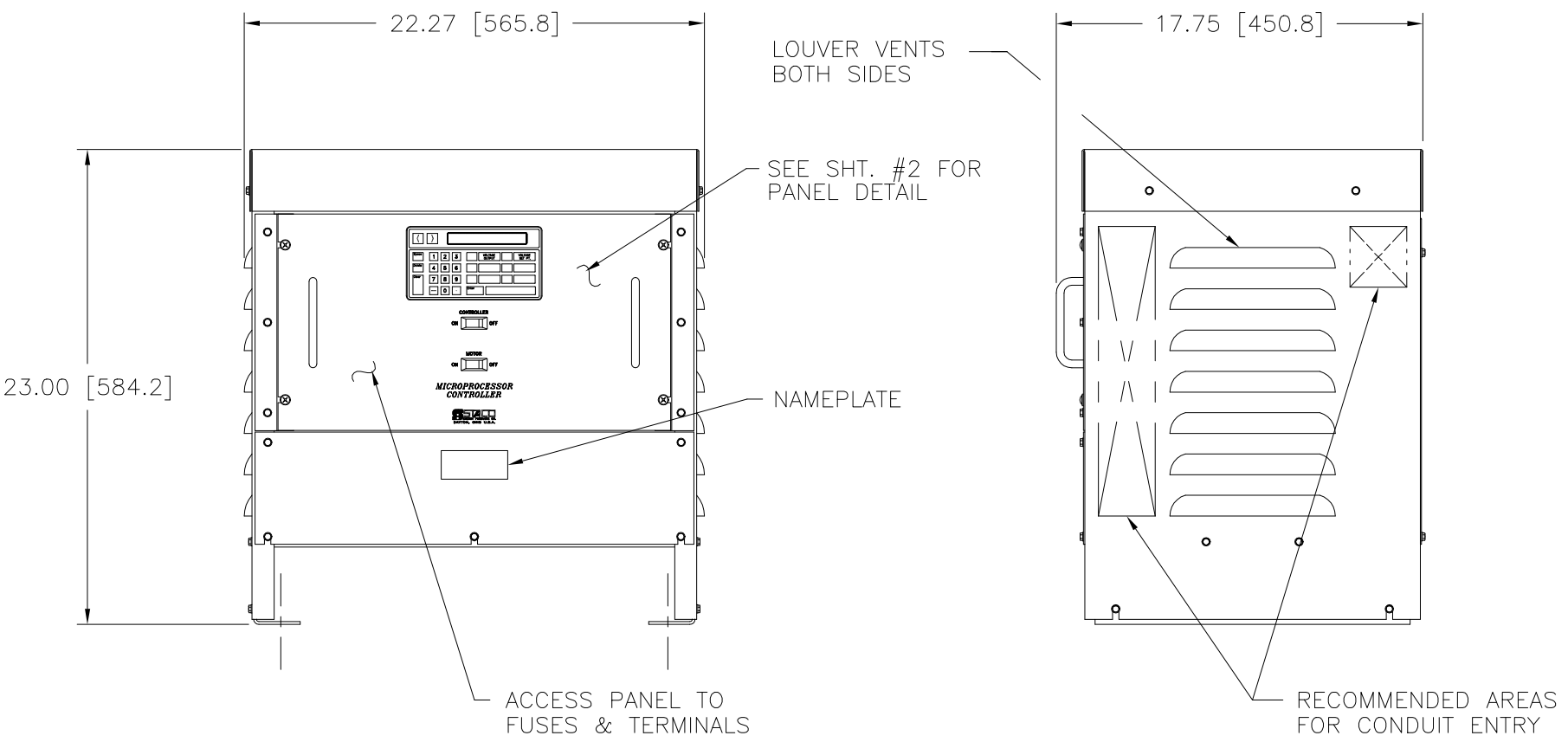
WAVEFORM DISTORTION	-----	ZERO
FREQUENCY RANGE	-----	47Hz TO 63Hz
OUTPUT REGULATION	-----	±.5V, ±1.0V, ±2.0V, ±4.0V
ACCURACY	-----	±1%
CORRECTION RATE	-----	14.4 VOLTS/SEC.
INTERNAL IMPEDANCE	-----	EXTREMELY LOW
PHASE SHIFT	-----	NEGLIGIBLE
EFFICIENCY	-----	APPROXIMATELY 99%
TEMPERATURE RANGE	-----	0°C (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 THE AUTOTRANSFORMER MOTOR.

RAISE/LOWER SWITCH: THIS SWITCH IS LOCATED INTERNALLY AND IS ACCESSIBLE FROM THE FRONT VIA THE REMOVABLE ACCESS PANEL. THE SWITCH ALLOWS THE REGULATOR TO BE MANUALLY CONTROLLED.



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

SINGLE PHASE 50/60 HZ.			
NOMINAL OUTPUT VOLTAGE	INPUT VOLTAGE RANGE*	MAXIMUM OUTPUT AMPERES	RATED OUTPUT (KVA)
240	192-264	110	26

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS #		UNITS		TITLE: SPEC. CONTROL DRAWING		DRAWN BY		DATE	FIRST USED ON	DO NOT SCALE DWG.	CUSTOMER APPROVAL	DATE
DECIMALS	Holes	ANGLES	DRAFT	IN	MM	TIM RAU		12/22/98				
.XX	.12	.002	1°	1-1/2"		CHECKER			WEIGHT APPROX.	CODE IDENT. NO.	DWG. SIZE	DWG. NO.
.XXX	.005					ENGINEER				83008	D	095-3020
MATERIAL: ALL DIMENSIONS APPLY AFTER PLATING												
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				SCALE	SHEET							
				.25=1	1	OF 2						

