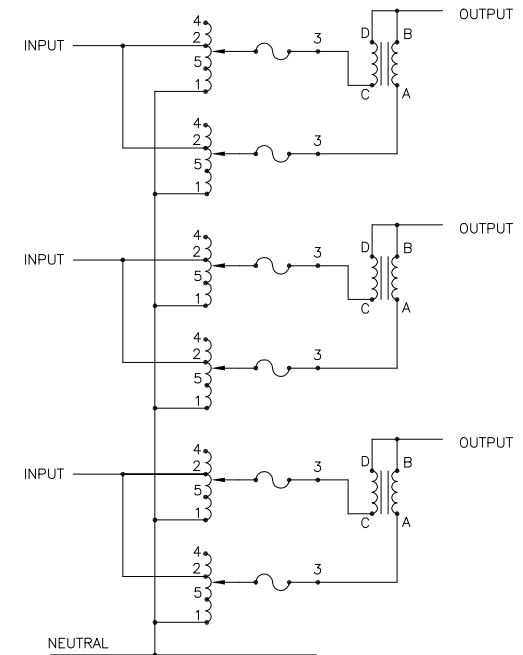
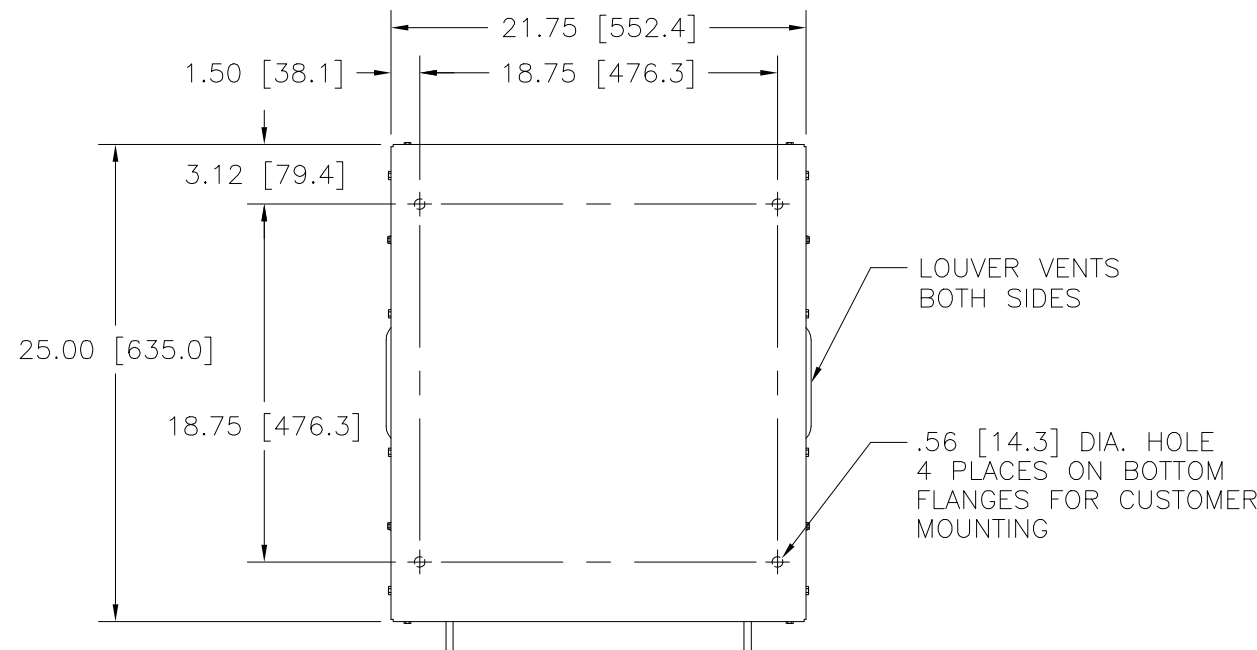


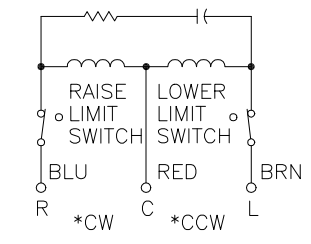
REVISIONS			
SYM.	E.C.N.	DATE	APVD.
A	23294	2/5/97	
B	23348	3/18/97	
C	23536	9/30/97	
D	24158	1/19/00	

Go to [VARIAC.com](http://www.VARIAC.com) to purchase and for technical support. Made in the USA



SCHMATIC

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.



MOTOR CIRCUIT
 120V, 50/60 HZ
 * ROTATION AS VIEWED FROM TOP END
 MOTOR SPEEDS: SEE CHART

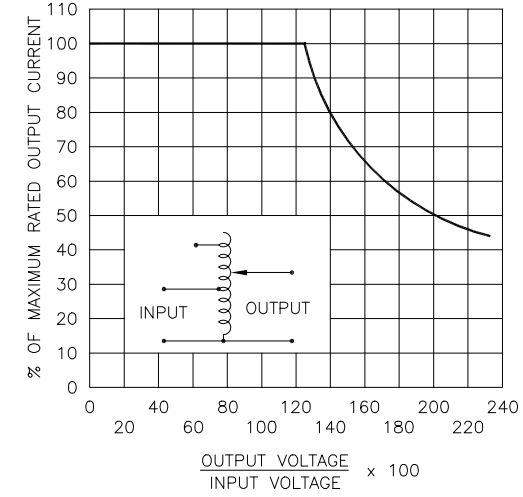
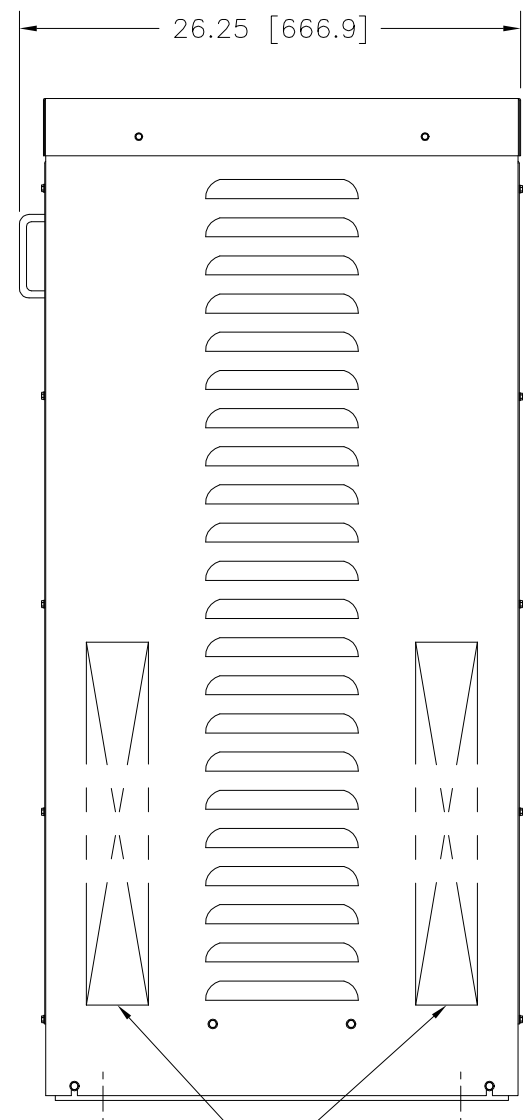
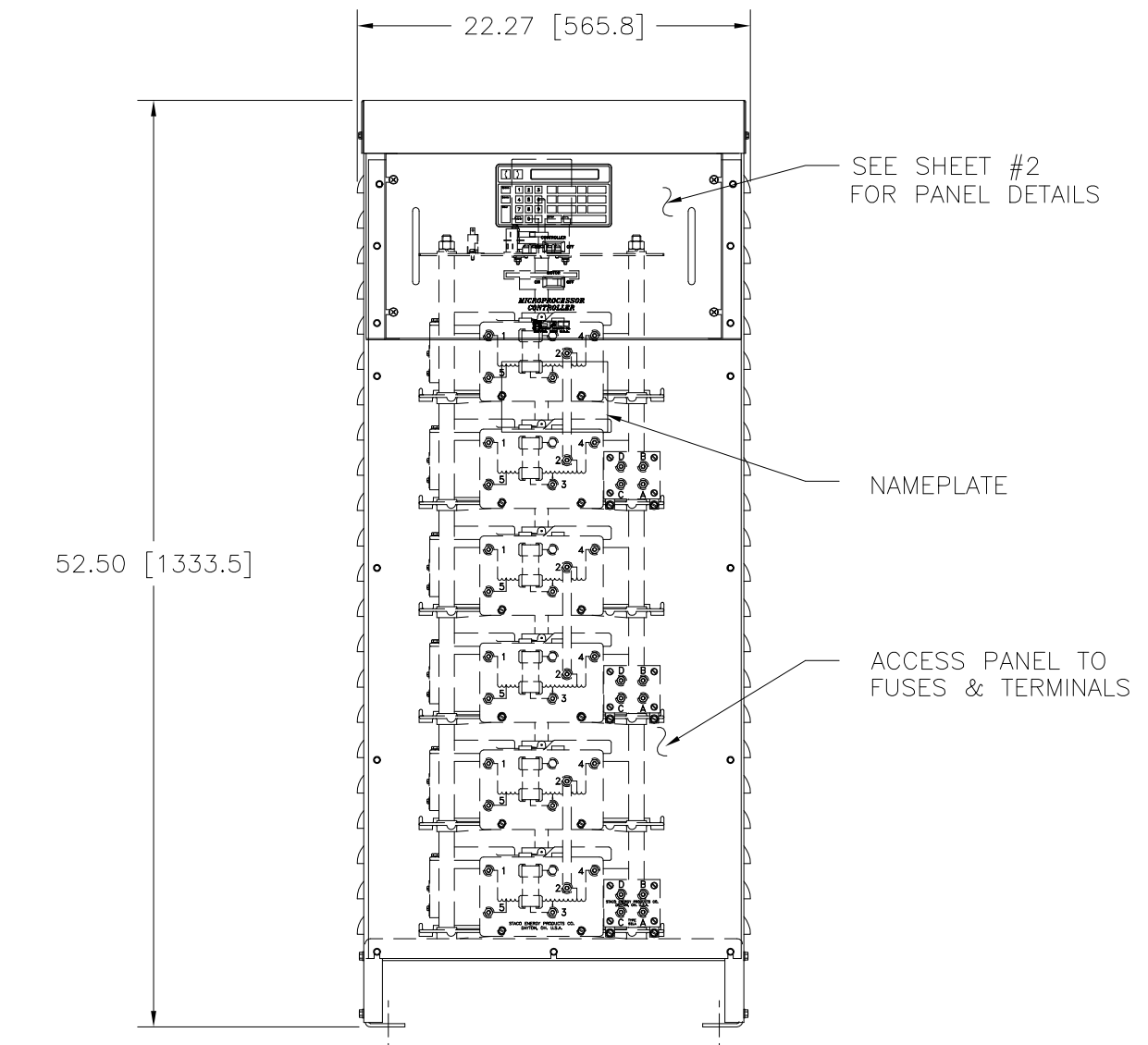


FIGURE A
 MAXIMUM OUTPUT CURRENT OF ANY DUAL INPUT VOLTAGE OR VOLTAGE DOUBLER UNIT OPERATED AT LOWER INPUT VOLTAGE.

MAXIMUM OUTPUT CURRENT IN OUTPUT VOLTAGE RANGE FROM 0 TO 25% ABOVE LINE VOLTAGE. AT HIGHER OUTPUT VOLTAGES, OUTPUT CURRENT MUST BE REDUCED ACCORDING TO RATING CURVE, FIGURE A.
 ++ MAXIMUM KVA AT MAXIMUM OUTPUT AND CORRESPONDING DE-RATED CURRENT. MAXIMUM KVA AT LOWER OUTPUT VOLTAGES MAY BE CALCULATED FROM RATING CURVE, FIGURE A.

V.D. = VOLTAGE DOUBLER.

SPEED (SECONDS)	MODEL NUMBER
15	MV15M6020E-6Y
30	MV30M6020E-6Y
60	MV60M6020E-6Y



RECOMMENDED AREAS FOR CONDUIT ENTRY

SPECIFICATIONS								
WIRING	INPUT		OUTPUT			SHAFT ROTATION FOR VOLTAGE INCREASE	TERMINAL CONNECTIONS FOR INCREASING VOLTAGE AS VIEWED FROM TOP	
	VOLTS	HERTZ	VOLTS	CONSTANT CURRENT LOAD			INPUT	OUTPUT
THREE PHASE WYE	480	50/60	0-480	70	58.1	CW	4-4-4	B-B-B
		60	0-560	70	67.8	CW	2-2-2	B-B-B
	240	60	0-560	70-30 V.D.	29.1 ++	CW	5-5-5	B-B-B

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS # DECIMALS .XX .XXX .005 Holes .12 .03 ANGLES 1° DRAFT 1-1/2° UNITS IN [mm]

TITLE: SPECIFICATION CONTROL DRAWING
 MOTORIZED VARIABLE TRANSFORMER
 TYPE: MVM6020E-6Y

MATERIAL: ALL DIMENSIONS APPLY AFTER PLATING

DO NOT SCALE DWG. CUSTOMER APPROVAL DATE

DRAWN BY: TIM RAU DATE: 8/5/96 FIRST USED ON: MVM6020E-6Y DO NOT SCALE DWG. CUSTOMER APPROVAL DATE

CHECKER: DATE: WEIGHT APPROX. CODE IDENT. NO. 83008 DWG. NO. 032-8384

ENGINEER: DATE: SCALE: .2=1 SHEET 1 OF 2

