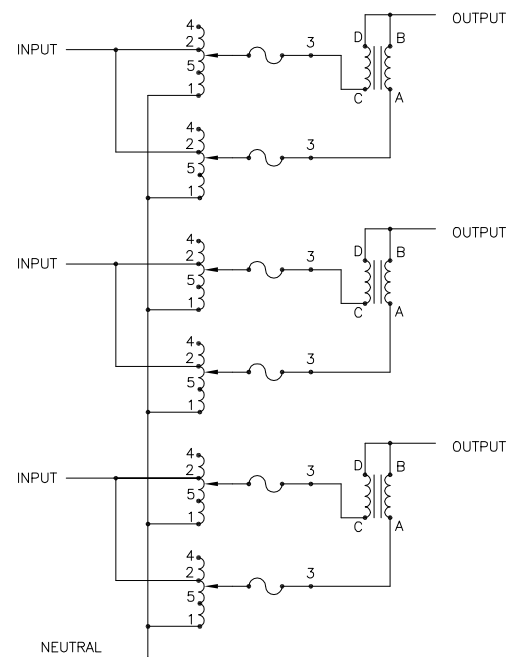
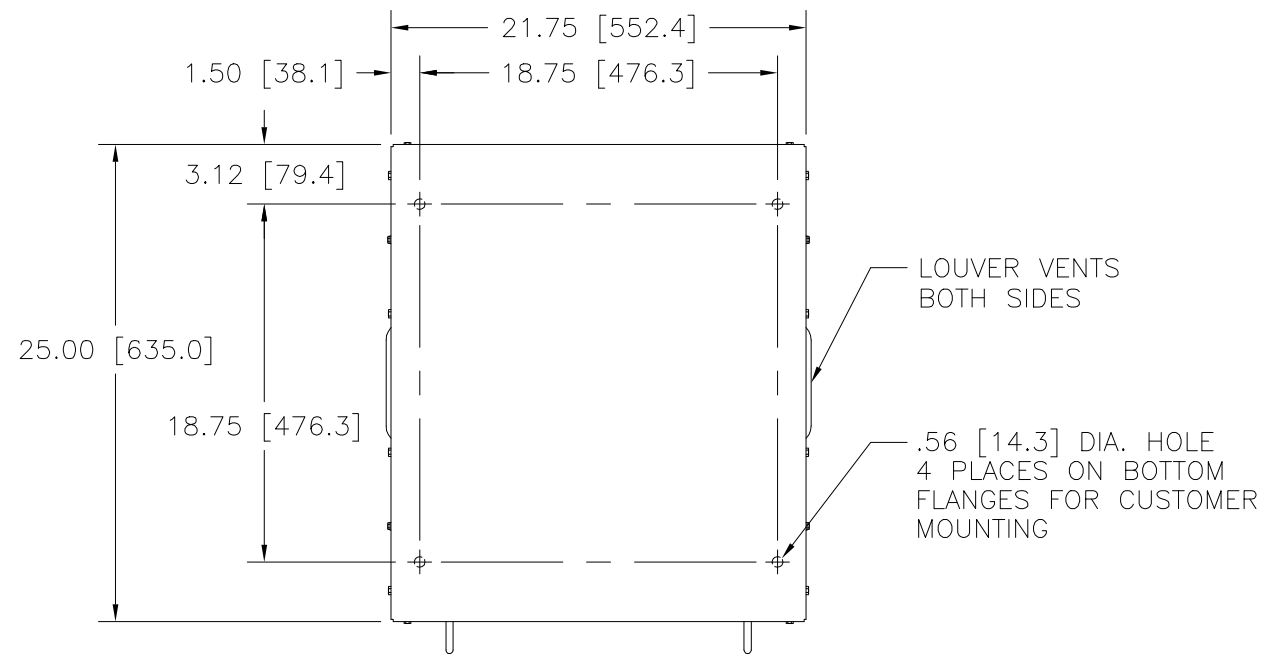


DWG. NO.	032-8384		
REVISIONS			
SYM.	E.C.N.	DATE	APVD.
A	23294	2/5/97	
	REVISED & UPDATED		
B	23348	3/18/97	
	REVISED & UPDATED		
C	23536	9/30/97	
	REVISED & UPDATED		
D	24158	1/19/00	
	DELETED EYENUTS		



SCHMATIC

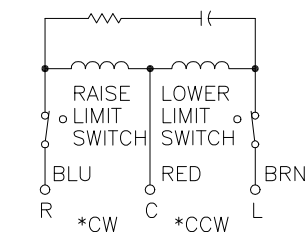
**CONTROLS:**

**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.

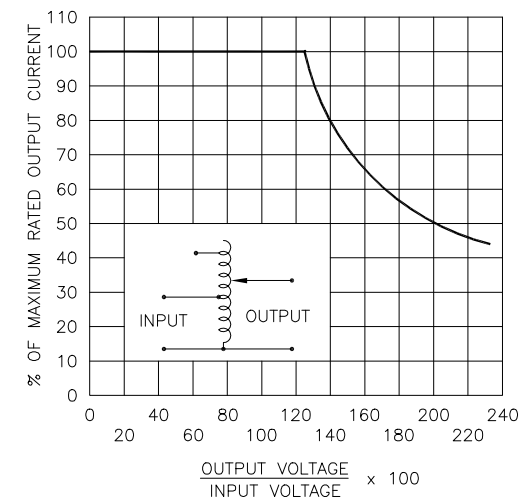
**MOTOR ON/OFF SWITCH:** THIS SWITCH TURNS OFF POWER FROM THE MICROPROCESSOR TO EACH OF THE AUTOTRANSFORMER MOTORS.

**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



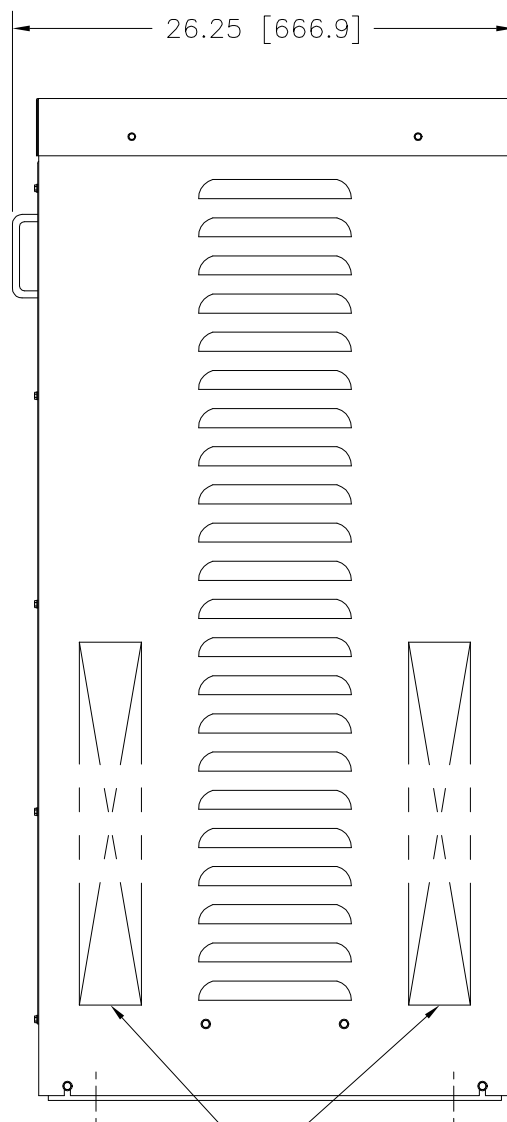
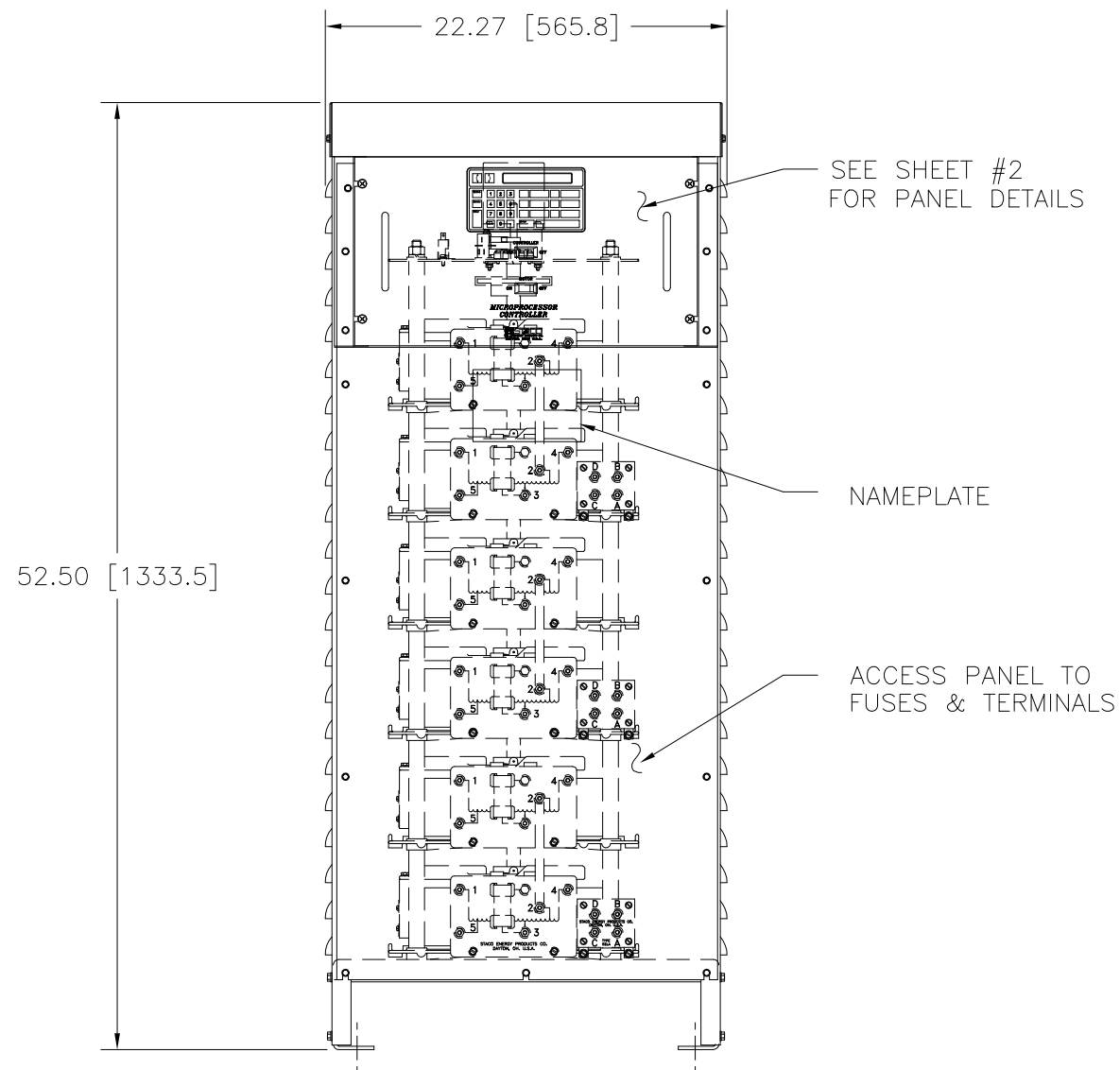
**FIGURE A**  
MAXIMUM OUTPUT CURRENT OF ANY DUAL INPUT VOLTAGE OR VOLTAGE DOUBLER UNIT OPERATED AT LOWER INPUT VOLTAGE.

# 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]	
MATERIAL:						TITLE: SPECIFICATION CONTROL DRAWING					
ALL DIMENSIONS APPLY AFTER PLATING						MOTORIZED VARIABLE TRANSFORMER					
						TYPE: MVM6020E-6Y					
DRAWN BY		DATE		FIRST USED ON		DO NOT SCALE DWG.		CUSTOMER APPROVAL		DATE	
TIM RAU		8/5/96		MVM6020E-6Y							
CHECKER		DATE		WEIGHT APPROX.		CODE IDENT. NO.		DWG. SIZE		DWG. NO.	
						83008		D		032-8384	
ENGINEER		DATE		SCALE		SHEET 1 OF 2					
				.2=1							

