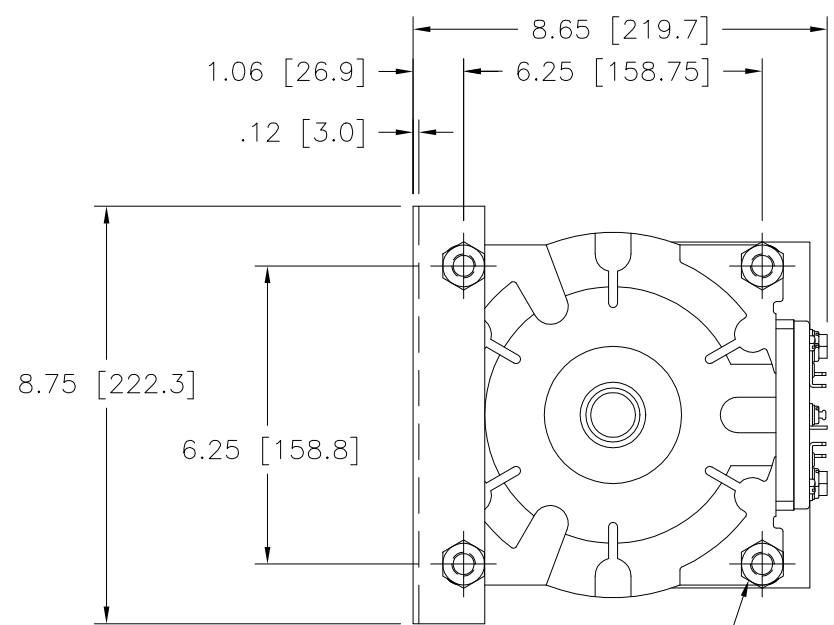
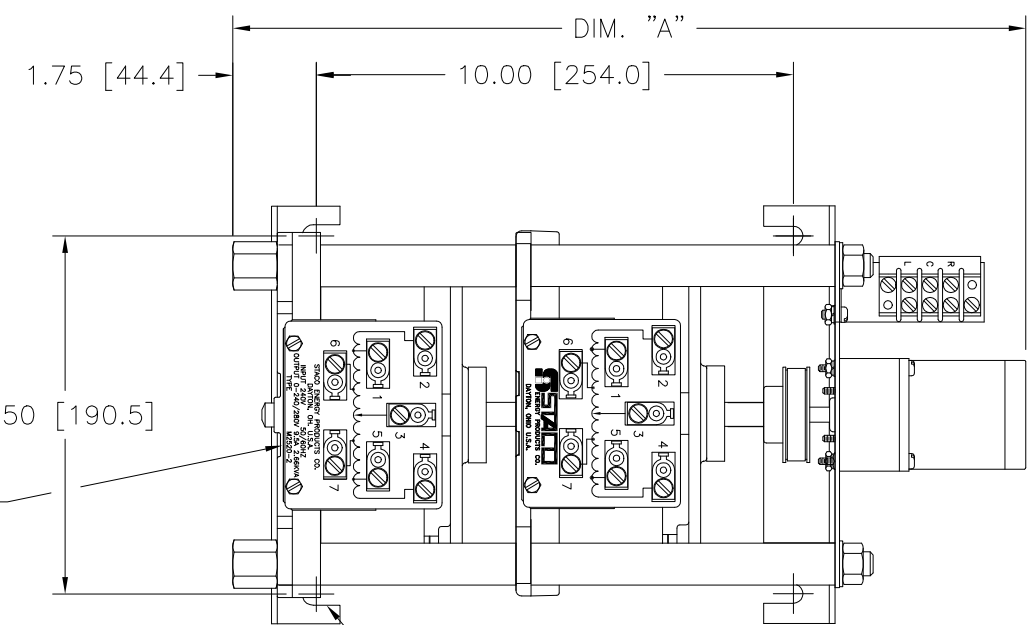


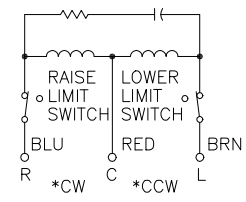
Go to VARIAC.com
 to purchase and for
 technical support.
 Made in the USA



STANDOFFS TAPPED
 1/2-13 X .50 [12.7]
 DEEP FOR MTG. BOLTS
 (4) PLACES



.41 [10.3] WIDE
 MOUNTING SLOTS
 (4) PLACES



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

SPEED (SECONDS)	MODEL NUMBER	DIM. "A"
5	5M2520-2	16.11 [409.1]
15	15M2520-2	16.11 [409.1]
30	30M2520-2	16.62 [422.1]
60	60M2520-2	16.62 [422.1]

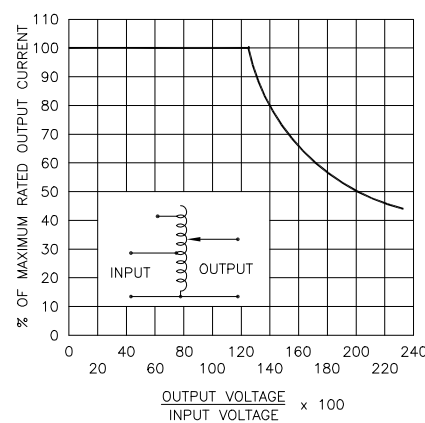


FIGURE A
 MAXIMUM OUTPUT CURRENT OF ANY
 DUAL INPUT VOLTAGE OR VOLTAGE DOUBLER
 UNIT OPERATED AT LOWER INPUT VOLTAGE.

MAXIMUM OUTPUT CURRENT IN OUTPUT VOLTAGE RANGE FROM 0 TO 25% ABOVE
 LINE VOLTAGE. AT HIGHER OUTPUT VOLTAGES, THE OUTPUT CURRENT MUST BE
 REDUCED ACCORDING TO THE DERATING CURVE FIGURE A.

§ MAXIMUM KVA AT MAXIMUM OUTPUT VOLTAGE AND CORRESPONDING DERATED
 OUTPUT CURRENT. MAXIMUM KVA FOR LOWER VOLTAGES MAY BE CALCULATED
 FROM DERATING CURVE FIGURE A.

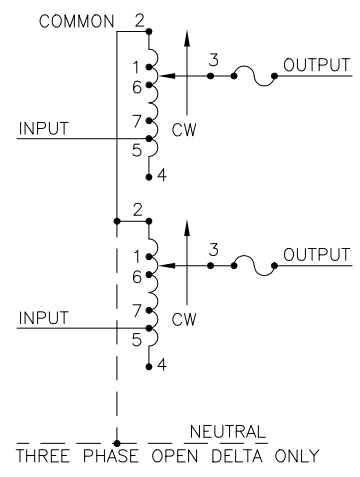
++ LINE TO LINE VOLTAGE.

** REQUIRES ONE 52LAC PARALLELING CHOKE (NOT SUPPLIED).

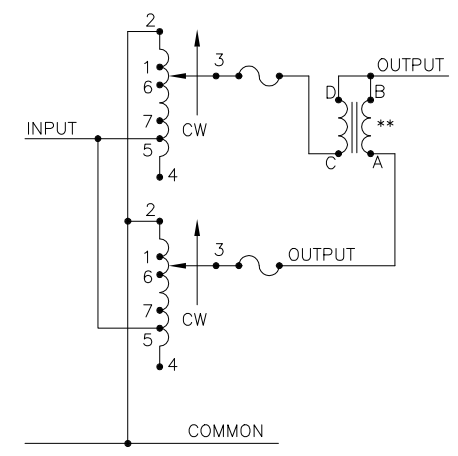
∩ IF GANGED UNITS ARE USED IN A SYSTEM THAT ORDINARILY HAS A COMMON
 NEUTRAL OR GROUND BETWEEN SOURCE AND LOAD, THE NEUTRAL OR GROUND
 MUST BE CONNECTED TO THE COMMON TERMINALS OF THE VARIABLE TRANSFORMER
 ASSEMBLY. IF THE SYSTEM HAS NO NEUTRAL, THE LOAD MUST BE BALANCED OR
 THE TRANSFORMER WILL BE DAMAGED.

■ JUMPER PROVIDED IN STANDARD COMMON POSITION AND SHOULD BE MOVED OR
 REMOVED AS REQUIRED.

+ MOTOR DRIVEN UNITS USE TERMINAL CONNECTIONS FOR CCW INCREASING
 VOLTAGE, AS VIEWED FROM THE BASE END.



SCHEMATIC
 THREE PHASE OPEN DELTA AND SINGLE
 PHASE SERIES. FUSE RECOMMENDED BUT
 NOT SUPPLIED



SCHEMATIC
 SINGLE PHASE PARALLEL
 FUSE RECOMMENDED BUT NOT SUPPLIED

WIRING	INPUT		OUTPUT				SHAFT ROTATION TO INCREASE VOLTAGE	TERMINAL CONNECTIONS + MOTOR DRIVEN UNITS USE CCW FOR INCREASING VOLTAGE AS VIEWED FROM BASE END ■			
	VOLTS	HERTZ	VOLTS	CONSTANT CURRENT LOAD		CONSTANT IMPEDANCE LOAD		INPUT	JUMPER	OUTPUT	
				MAX. AMPS	MAX. KVA	MAX. AMPS					MAX. KVA
SINGLE PHASE PARALLEL **	240	50/60	0-240	20	4.80	26	6.20	CW	2-2,4-4	4-B	
			0-280	20	5.60	—	—	CCW	2-2,4-4	2-B	
	120	50/60	0-280	20#	2.40 §	—	—	CW	1-1,4-4	4-B	
			0-280	20#	2.40 §	—	—	CCW	5-5,2-2	2-B	
SINGLE PHASE SERIES	480	50/60	0-480	10	4.80	13	6.24	CW	2-2	4-4 3-3	
			0-560	10	5.60	—	—	CCW	4-4	2-2 3-3	
	240	50/60	0-560	10#	2.40 §	—	—	CW	1-1	4-4 3-3	
			0-560	10#	2.40 §	—	—	CCW	5-5	2-2 3-3	
THREE PHASE OPEN DELTA ∩	240	50/60	0-240	10	4.20	13	5.40	CW	2-4-2	4-4 3-4-3	
			0-280	10	4.85	—	—	CCW	4-2-4	2-2 3-2-3	
	120	50/60	0-280	10	4.85	—	—	CW	1-4-1	4-4 3-4-3	
			0-280	10#	2.10 §	—	—	CCW	5-2-5	2-2 3-2-3	
			0-280	10#	2.10 §	—	—	CW	7-4-7	4-4 3-4-3	
			0-280	10#	2.10 §	—	—	CCW	6-2-6	2-2 3-2-3	

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS #
 DECIMALS HOLES ANGLES DRAFT
 XX .0008 .06 10000 .01 1° 1-1/2°

MATERIAL: ALL DIMENSIONS APPLY AFTER PLATING

UNITS IN [mm]

TITLE: SPEC. CONTROL DRAWING
 MOTORIZED VARIABLE XFMR.
 TYPE: M2520-2

STACO ENERGY PRODUCTS CO.
 A COMPONENTS CORPORATION OF AMERICA COMPANY
 DAYTON, OHIO U.S.A.

DRAWN BY: TIM RAU DATE: 2/20/98 FIRST USED ON: DO NOT SCALE DWG. CUSTOMER APPROVAL: DATE:

CHECKER: DATE: WEIGHT APPROX. 60 LBS. CODE IDENT. NO. 83008 DWG. NO. 031-5638

ENGINEER: DATE: SCALE .5=1 SHEET 1 OF 1