



**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 PERCENT ABOVE LINE VOLTAGE. AT HIGHER OUTPUT VOLTAGES, OUTPUT CURRENT MUST BE REDUCED ACCORDING TO RATING CURVE (SEE FIGURE A).

++ MAXIMUM KVA AT MAXIMUM OUTPUT AND CORRESPONDING DE-RATED CURRENT. MAXIMUM KVA AT LOWER OUTPUT VOLTAGES MAY BE CALCULATED FROM RATING CURVE, (SEE FIGURE A).

SPEED (SECONDS)	MODEL NUMBER
5	5M5021E-3Y
15	15M5021E-3Y
30	30M5021E-3Y
60	60M5021E-3Y

V.D. = VOLTAGE DOUBLER.

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
				MAX. AMPS	MAX. KVA			
THREE PHASE WYE	480	50/60	0-480	28	23.3	CW	4-4-4	3-3-3
		60	0-560	28	27.2	CW	2-2-2	3-3-3
	240	60	0-560	28-12 V.D.	11.8 ++	CW	5-5-5	3-3-3

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS # DECIMALS .XX .XXX .005  
 HOLES .12 .0008  
 ANGLES 1°  
 DRAFT 1-1/2°  
 UNITS IN [mm]

TITLE: SPECIFICATION CONTROL DRAWING  
 MOTORIZED VARIABLE TRANSFORMER  
 5, 15, 30, & 60M5021E-3Y

MATERIAL: ALL DIMENSIONS APPLY AFTER PLATING

DRAWN BY S.A. SMITH DATE 11/14/94 FIRST USED ON M5021E-3Y DO NOT SCALE DWG.  
 CHECKER DATE WEIGHT APPROX. CODE IDENT. NO. 83008  
 ENGINEER DATE SCALE .25=1 SHEET 1 OF 1

CUSTOMER APPROVAL DATE

STACO ENERGY PRODUCTS CO. DAYTON, OHIO U.S.A.

DWG. NO. 031-8290