



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

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.
 ¶ 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.
 ++ LINE TO LINE VOLTAGE.

SPECIFICATIONS											
WIRING	INPUT		OUTPUT				SHAFT ROTATION TO INCREASE VOLTAGE	TERMINAL CONNECTIONS			
	VOLTS	HERTZ	VOLTS	CONSTANT CURRENT LOAD MAX. AMPS	CONSTANT IMPEDANCE LOAD MAX. KVA	MAX. AMPS		MAX. KVA	FOR INCREASING VOLTAGE AS VIEWED FROM BASE END ■		
SINGLE PHASE SERIES	480	50/60	0-480	3.5	1.68	5.0	2.4	CW	1-1	4-4	3-3
			0-560	3.5	1.96	—	—	CCW	4-4	1-1	3-3
	240	50/60	0-560	3.5#	0.84§	—	—	CW	5-5	4-4	3-3
			0-280	3.5	1.70	—	—	CCW	2-2	1-1	3-3
THREE PHASE OPEN DELTA ¶	240	50/60	0-240	3.5	1.45	5.0	2.08	CW	1-4-1	4-4	3-4-3
			0-280	3.5	1.70	—	—	CCW	4-1-4	1-1	3-1-3
	120	50/60	0-280	3.5#	0.73§	—	—	CW	5-4-5	4-4	3-4-3
			0-280	3.5	1.70	—	—	CCW	2-1-2	1-1	3-1-3
							CCW	7-4-7	4-4	3-4-3	
								CCW	6-1-6	1-1	3-1-3

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ± DECIMALS HOLES ANGLES DRAFT .XX .0005 .002 1° 1-1/2°
 MATERIAL: ALL DIMENSIONS APPLY AFTER PLATING
 UNITS IN [mm]
 TITLE: SPEC. CONTROL DRAWING VARIABLE TRANSFORMER MODEL: 1020BCT-2
 DRAWN BY: S.A. SMITH DATE: 9/23/97 FIRST USED ON: DO NOT SCALE DWG.
 CHECKER: DATE: WEIGHT APPROX. 22.5 LBS CAGE CODE 83008
 ENGINEER: DATE: SCALE 1=1 SHEET 1 OF 1
 DWG. NO. 031-2364
STACO ENERGY PRODUCTS CO.
 A Components Corporation of America Company
 302 Gadsden Boulevard Dayton, Ohio 45428 USA