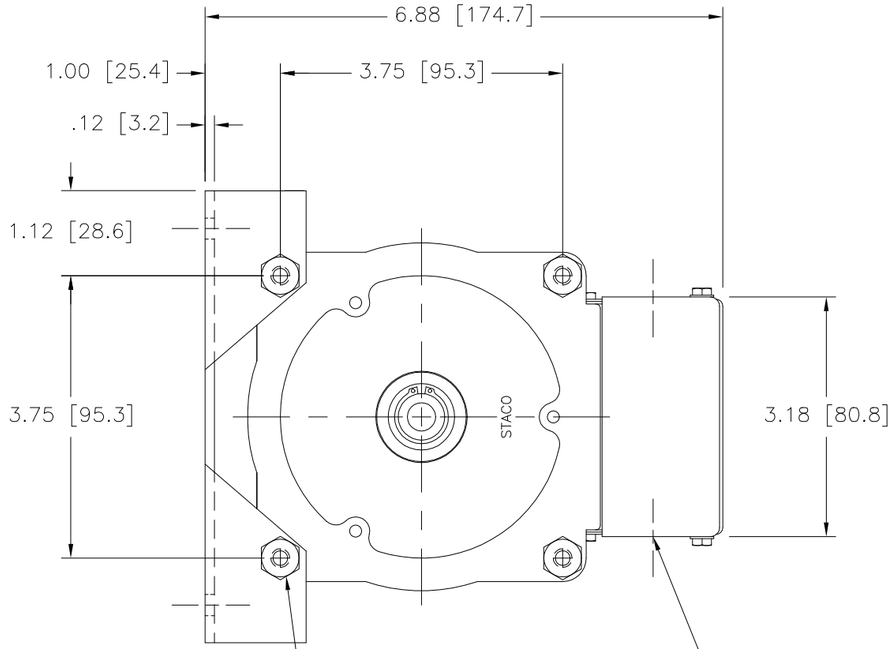
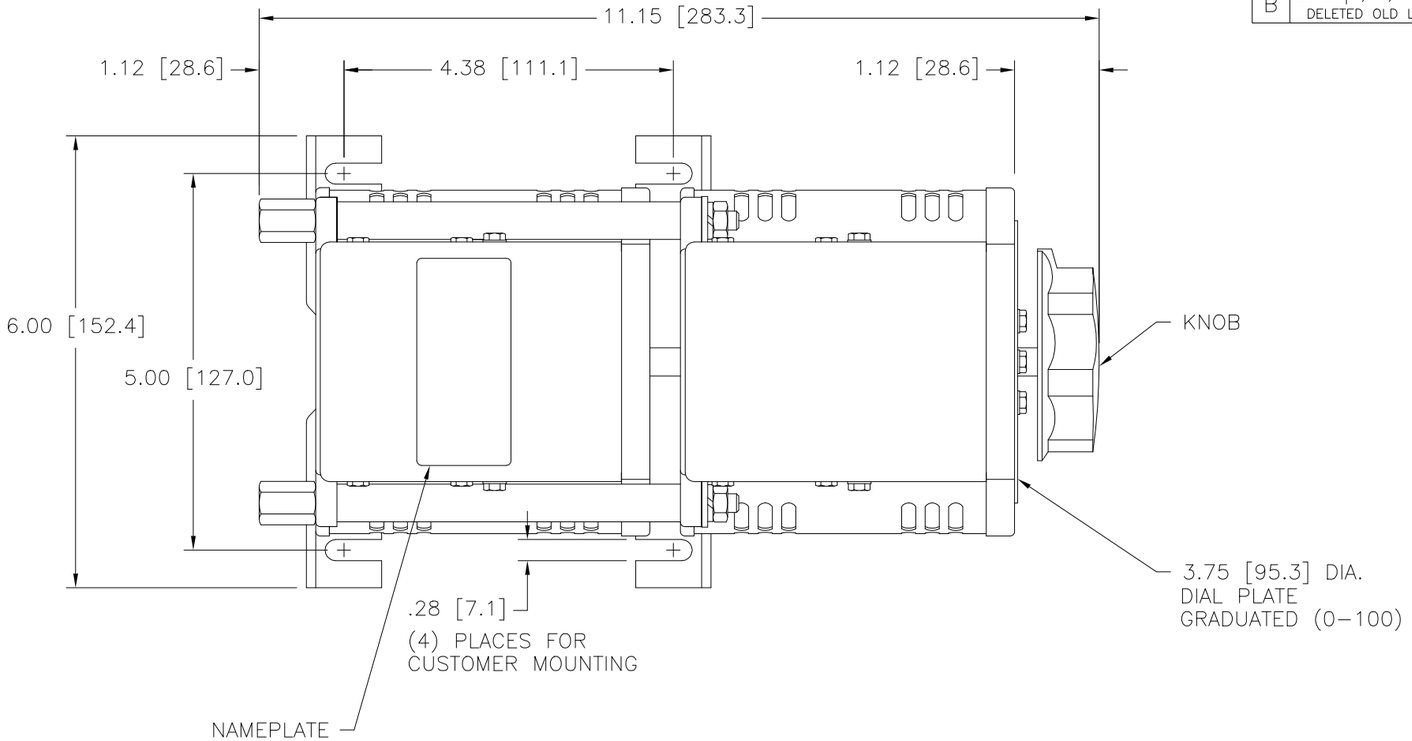
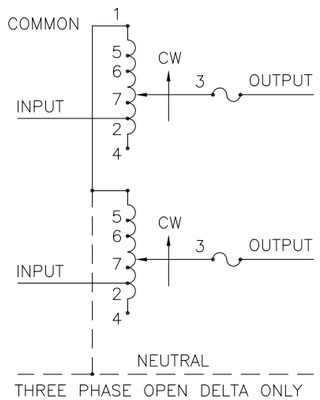
DWG. SIZE	DWG. NO.
D	031-2364

REVISIONS

SYM.	E.C.N.	DATE	APVD.
A	24194	3/21/00	
	DELETED BLIND HOLES		
B	25121	5/12/03	
	DELETED OLD LOGO		







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

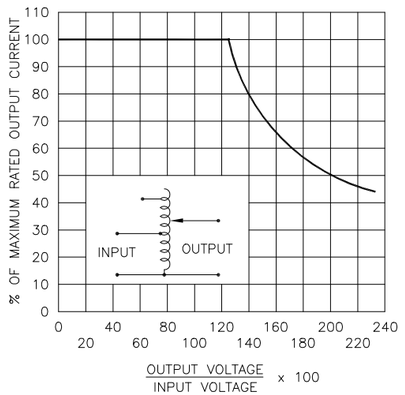


FIGURE A
MAXIMUM OUTPUT CURRENT OF ANY DUAL INPUT VOLTAGE OR VOLTAGE DOUBLER UNIT OPERATED AT LOWER INPUT VOLTAGE.

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.

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

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ± DECIMALS .XX .06 .XXX .005 HOLES .002 ANGLES 1° DRAFT 1-1/2°
MATERIAL :
UNITS IN [mm]
ALL DIMENSIONS APPLY AFTER PLATING

TITLE: SPEC. CONTROL DRAWING VARAIBLE TRANSFORMER MODEL: 1020BCT-2

DRAWN BY	DATE	FIRST USED ON	DO NOT SCALE DWG.
S.A. SMITH	9/23/97		
CHECKER	DATE	WEIGHT APPROX. 22.5 LBS	CAGE CODE 83008
ENGINEER	DATE	SCALE 1=1	SHEET 1 OF 1

STACO ENERGY PRODUCTS CO.
A Components Corporation of Amphenol Company
3101 Gaddis Boulevard Dayton, Ohio 45403 USA

DWG. SIZE D | DWG. NO. 031-2364