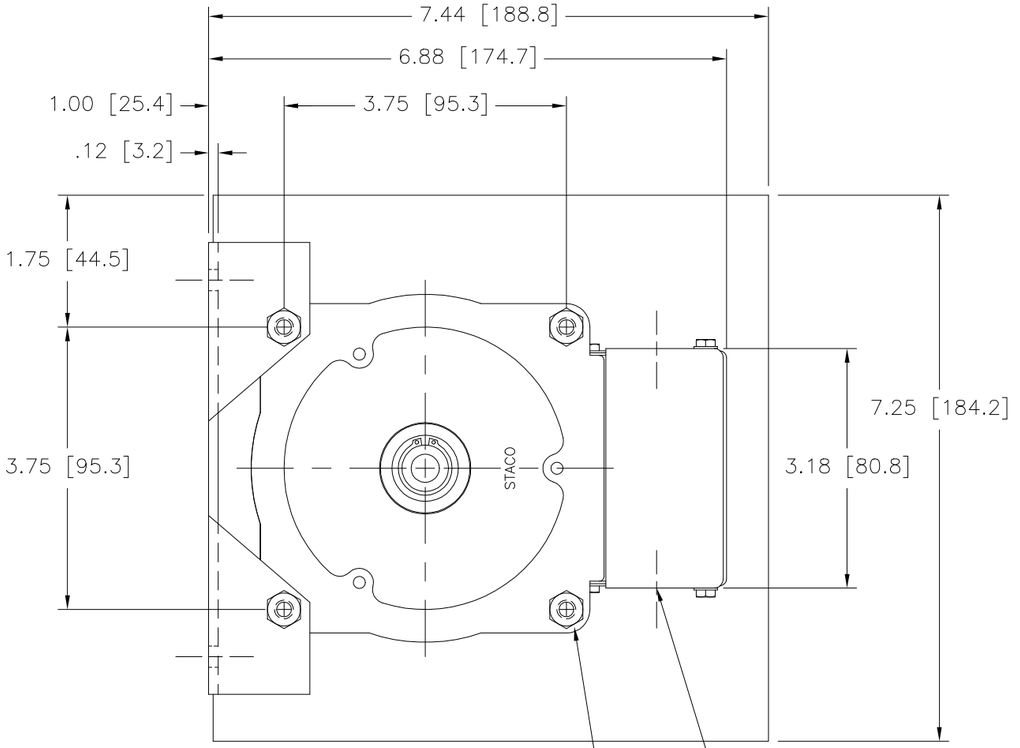
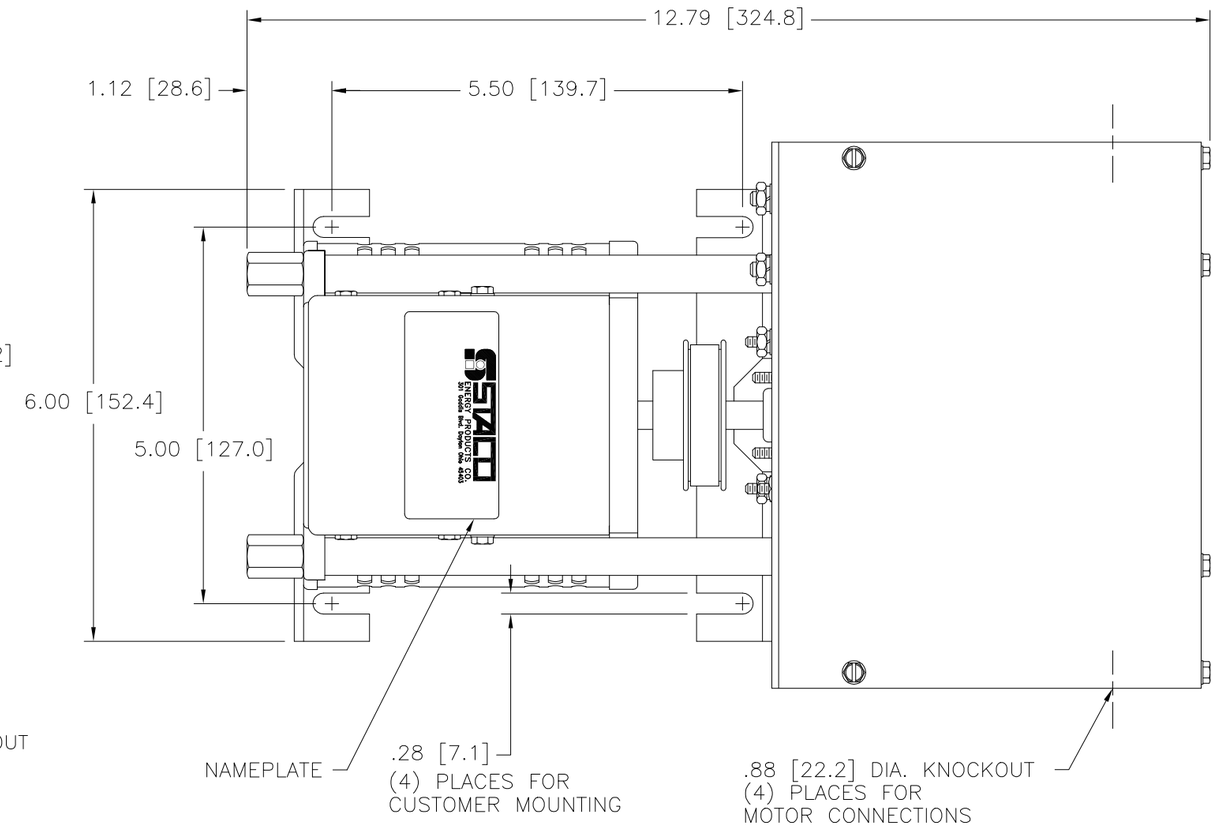
DWG. SIZE	DWG. NO.
D	031–2510

REVISIONS			
SYM.	E.C.N.	DATE	APVD.





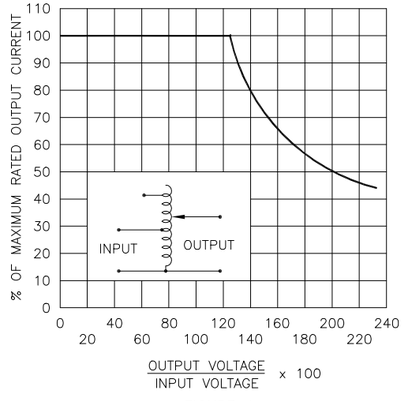
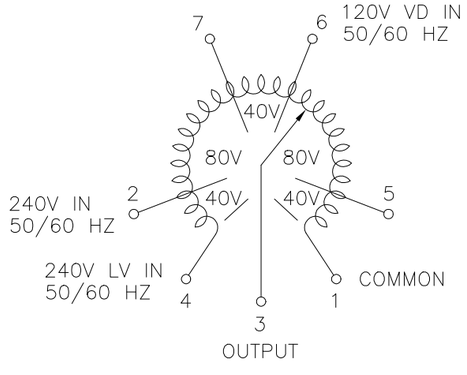


FIGURE A

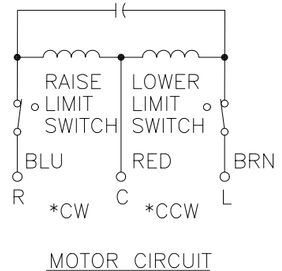
MAXIMUM OUTPUT CURRENT OF ANY DUAL INPUT VOLTAGE OR VOLTAGE DOUBLER UNIT OPERATED AT LOWER INPUT VOLTAGE.



SCHEMATIC

VIEW FROM BASE END

FUSE RECOMMENDED BUT NOT SUPPLIED



MOTOR CIRCUIT

120V, 50/60 HZ

* ROTATION AS VIEWED FROM MOTOR END

MOTOR SPEED: SEE CHART

SPEED (SECONDS)	MODEL NUMBER
5	5M1020BCT
15	15M1020BCT
30	30M1020BCT
60	60M1020BCT

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	J	OUTPUT
SINGLE PHASE	240	50/60	0–240	3.5	0.84	5.0	1.20	CW	1–4		4–3
								CCW	1–4	———	1–3
			0–280	3.5	0.98	——	——	CW	4–5	———	4–3
								CCW	1–2	———	1–3
	120	50/60	0–280	3.5#	0.42§	——	——	CW	4–7	———	4–3
								CCW	1–6	———	1–3

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.

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

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
MOTORIZED VARIABLE XFMR.
MODEL: M1020BCT

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

The information and design disclosed herein was originated by and is the property of STACO ENERGY PRODUCTS CO., which reserves all patent, proprietary, design, manufacturing, reproduction, use and sale rights thereto, and to any article disclosed therein except to the extent rights are expressly granted to others. The foregoing does not apply to vendor proprietary parts.

DRAWN BY	DATE	FIRST USED ON	DO NOT SCALE DWG.	CUSTOMER APPROVAL	DATE
S.A. SMITH	9/24/97				
CHECKER	DATE	WEIGHT APPROX. 16.75 LBS	CODE IDENT. NO. 83008	DWG. SIZE D	DWG. NO. 031–2510
ENGINEER	DATE	SCALE 1=1	SHEET 1 OF 1		