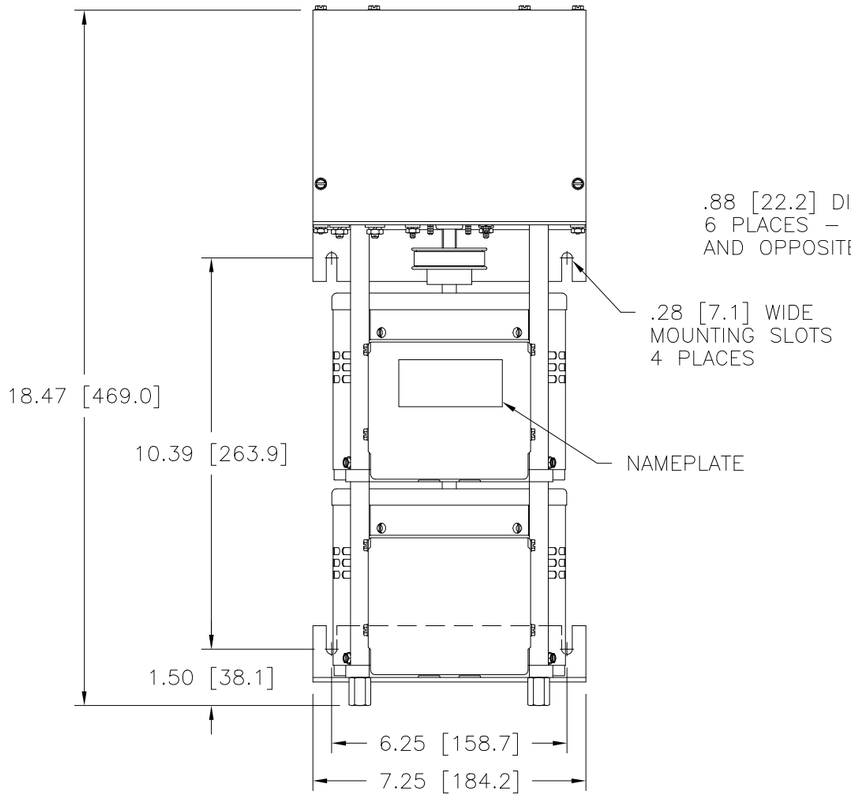
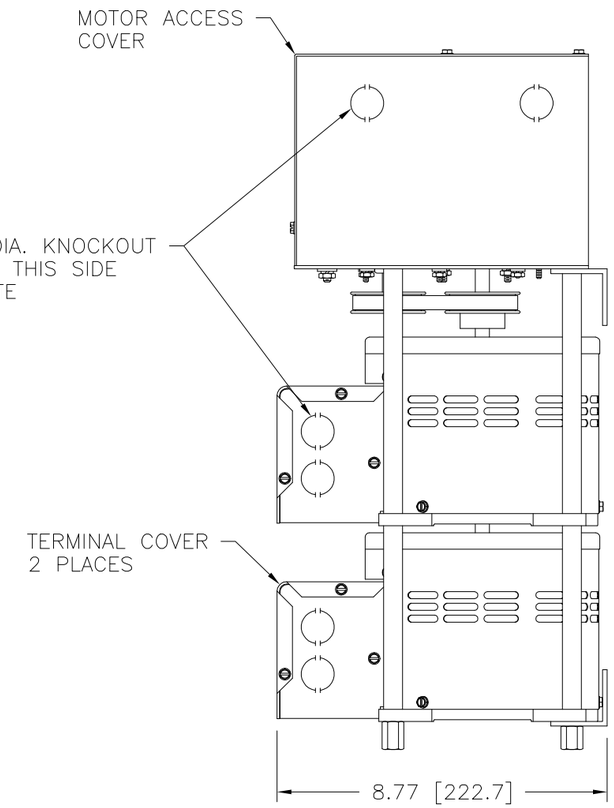
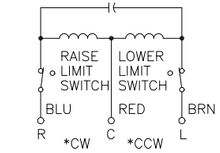
DWG. SIZE	DWG. NO.
D	031–4133

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

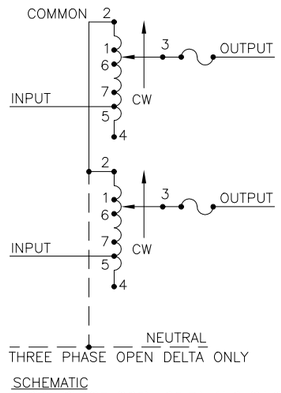
Go to VARIAC.com to purchase and for technical support. Made in the USA







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



THREE PHASE OPEN DELTA ONLY

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

SPEED (SECONDS)	MODEL NUMBER
5	5M1520CT–2
15	15M1520CT–2
30	30M1520CT–2
60	60M1520CT–2

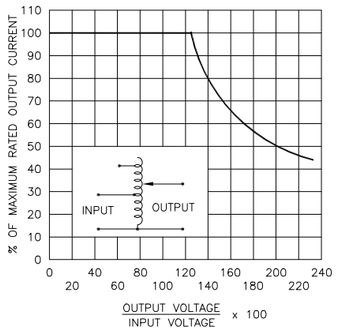
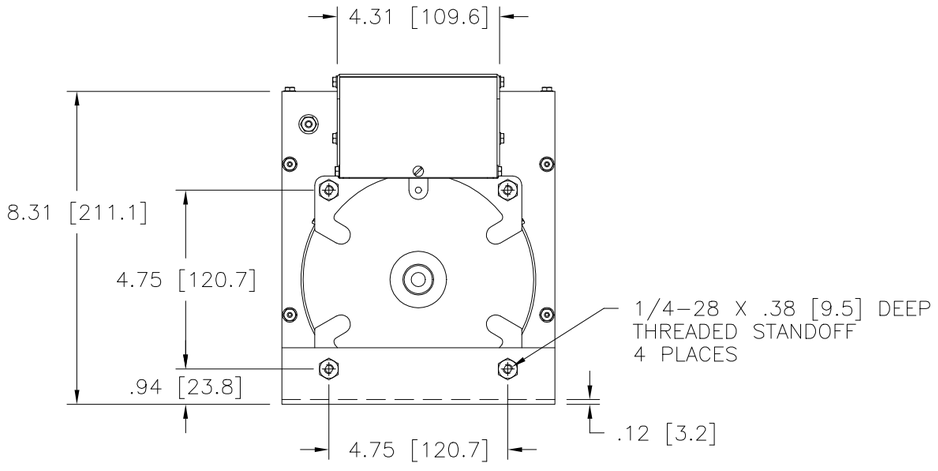


FIGURE A
MAXIMUM OUTPUT CURRENT OF ANY DUAL INPUT VOLTAGE OR VOLTAGE DOUBLER UNIT OPERATED AT LOWER INPUT VOLTAGE.



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.

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.

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

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 + MOTOR DRIVEN UNITS USE CCW FOR INCREASING VOLTAGE AS VIEWED FROM BASE END ■ INPUT	JUMPER	OUTPUT
SINGLE PHASE SERIES	480	50/60	0–480	9.5	4.56	12	5.76	CW	2–2	4–4	3–3
								CCW	4–4	2–2	3–3
			0–560	9.5	5.32	——	——	CW	1–1	4–4	3–3
								CCW	5–5	2–2	3–3
	240	50/60	0–560	9.5#	2.28 §	——	——	CW	7–7	4–4	3–3
								CCW	6–6	2–2	3–3
THREE PHASE OPEN DELTA π	240 ++	50/60	0–240	9.5	3.95	12	5.0	CW	2–4–2	4–4	3–4–3
								CCW	4–2–4	2–2	3–2–3
			0–280	9.5	4.61	——	——	CW	1–4–1	4–4	3–4–3
								CCW	5–2–5	2–2	3–2–3
	120 ++	50/60	0–280	9.5#	1.98 §	——	——	CW	7–4–7	4–4	3–4–3
								CCW	6–2–6	2–2	3–2–3

UNLESS OTHERWISE SPECIFIED. TOLERANCE IS ± DECIMALS .XX .09 .02 .XXX .005 HOLES 1° ANGLES 1–1/2° DRAFT

UNITS IN [mm]

ALL DIMENSIONS APPLY AFTER PLATING

MATERIAL

TITLE: SPEC. CONTROL DRAWING VARIABLE TRANSFORMER MODEL: M1520CT–2

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

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DRAWN BY	DATE	FIRST USED ON	DO NOT SCALE DWG.	CUSTOMER APPROVAL	DATE
S.A. SMITH	2/4/98				
CHECKER	DATE	WEIGHT APPROX. 52.5 LBS	CODE IDENT. NO. 83008	DWG. SIZE D	DWG. NO. 031–4133
ENGINEER	DATE	SCALE .50=1	SHEET 1 OF 1		