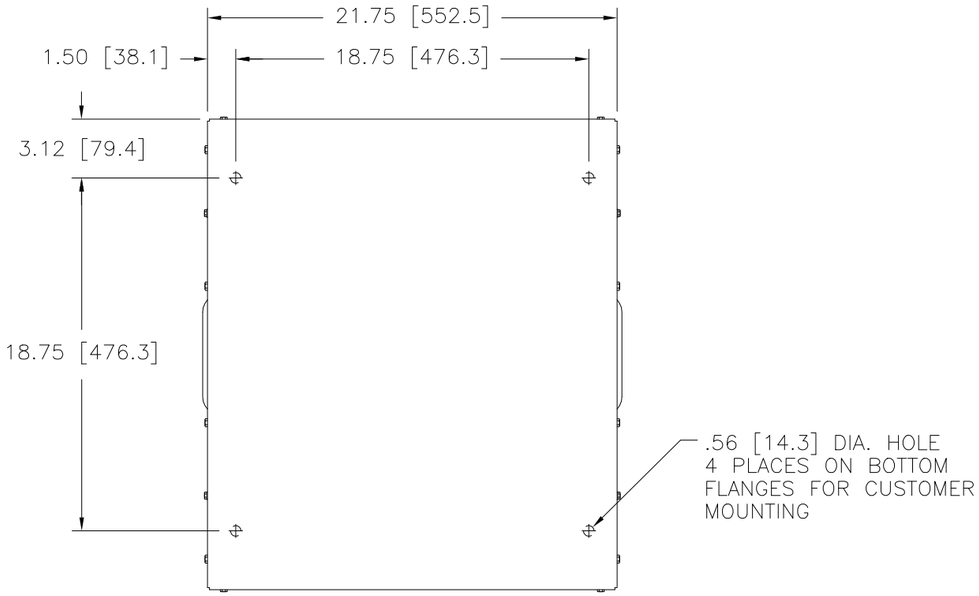
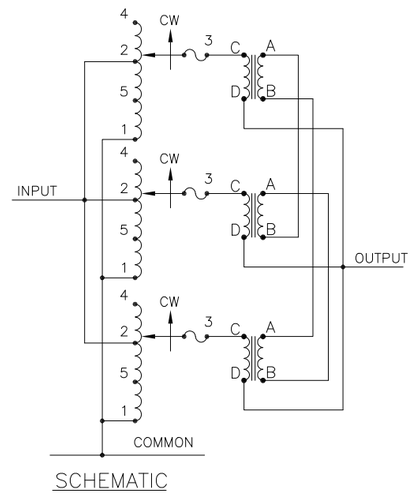
| DWG. SIZE | DWG. NO. |
|---|---|
| D | 031–7685 |

| REVISIONS | | | |
|---|---|---|---|
| SYM. | E.C.N. | DATE | APVD. |
| A | 23450 | 7/29/97 REVISED & REDRAWN | |
| B | 23562 | 12/01/97 REVISED & UPDATED | |
| C | 24855 | 6/11/02 ADDED LUG | |




SCHEMATIC

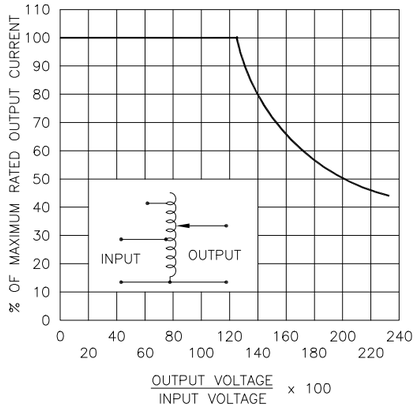


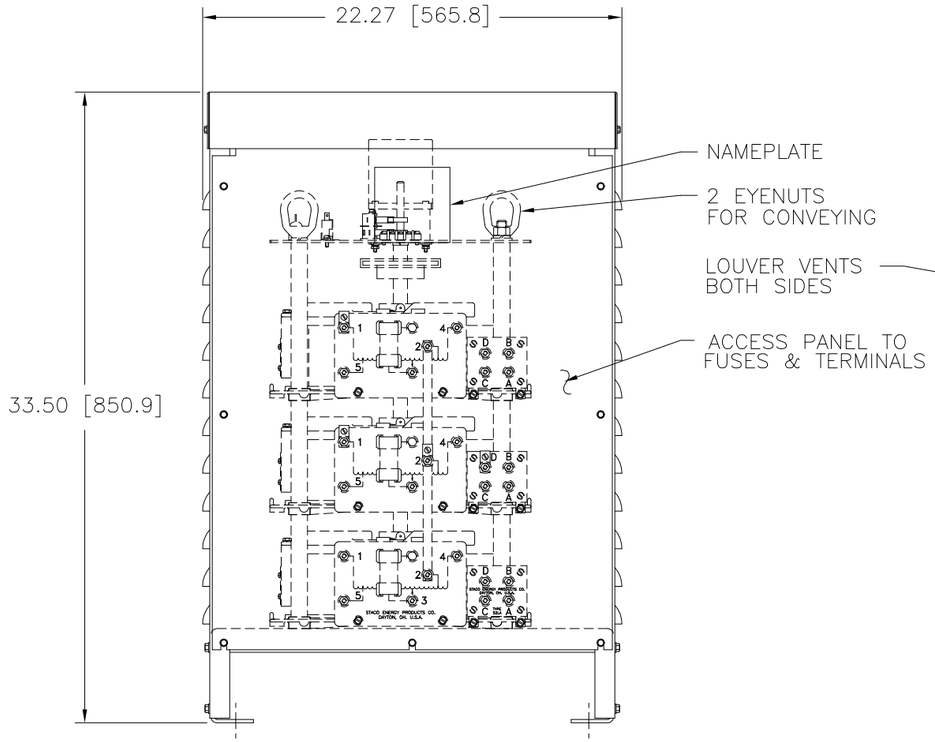

**FIGURE A**

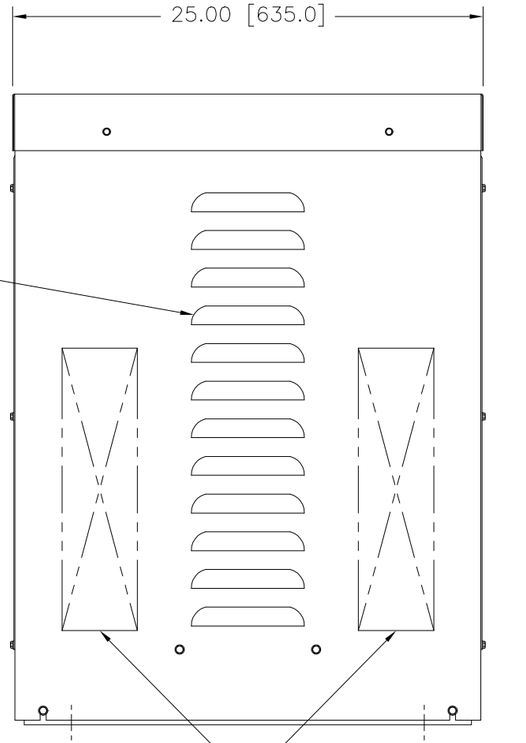
MAXIMUM OUTPUT CURRENT OF ANY DUAL INPUT VOLTAGE OR VOLTAGE DOUBLER UNIT OPERATED AT LOWER INPUT VOLTAGE.

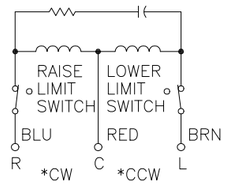
* MAXIMUM OUTPUT CURRENT IN OUTPUT VOLTAGE RANGE FROM 0 TO 25% ABOVE LINE VOLTAGE. AT HIGHER OUTPUT VOLTAGES, OUTPUT CURRENT MUST BE REDUCED ACCORDING TO RATING CURVE, FIGURE A.

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

V.D. = VOLTAGE DOUBLER.




MOTOR CIRCUIT

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

| SPEED (SECONDS) | MODEL NUMBER |
|---|---|
| 5 | 5M5021E–3P |
| 15 | 15M5021E–3P |
| 30 | 30M5021E–3P |
| 60 | 60M5021E–3P |

SPECIFICATIONS

| WIRING | INPUT VOLTS | INPUT HERTZ | OUTPUT VOLTS | OUTPUT CONSTANT CURRENT LOAD MAX. AMPS | OUTPUT CONSTANT CURRENT LOAD MAX. KVA | SHAFT ROTATION FOR VOLTAGE INCREASE | TERMINAL CONNECTIONS FOR INCREASING VOLTAGE AS VIEWED FROM TOP INPUT | TERMINAL CONNECTIONS FOR INCREASING VOLTAGE AS VIEWED FROM TOP OUTPUT |
|---|---|---|---|---|---|---|---|---|
| SINGLE PHASE PARALLEL | 240 | 50/60 | 0–240 | 84 | 20.2 | CW | 1–4 | 1–D |
| | | | 0–280 | 84 | 23.5 | CW | 1–2 | 1–D |
| | 120 | 50/60 | 0–280 | *84–36 V.D. | 10.2 ++ | CW | 1–5 | 1–D |

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ± DECIMALS .XX .005 .XXX .005 HOLES .12 .003 ANGLES 1° DRAFT 1–1/2°

UNITS IN [mm]

MATERIAL :

ALL DIMENSIONS APPLY AFTER PLATING

TITLE: SPEC. CONTROL DRAWING MOTORIZED VARIABLE XFMR. TYPE: M5021E–3P



| DRAWN BY | DATE | FIRST USED ON | DO NOT SCALE DWG. |
|---|---|---|---|
| TIM RAU | 7/10/97 | | |
| CHECKER | DATE | WEIGHT APPROX. | CAGE CODE 83008 |
| ENGINEER | DATE | SCALE .25=1 | SHEET 1 OF 1 |

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

DWG. SIZE D — DWG. NO. 031–7685