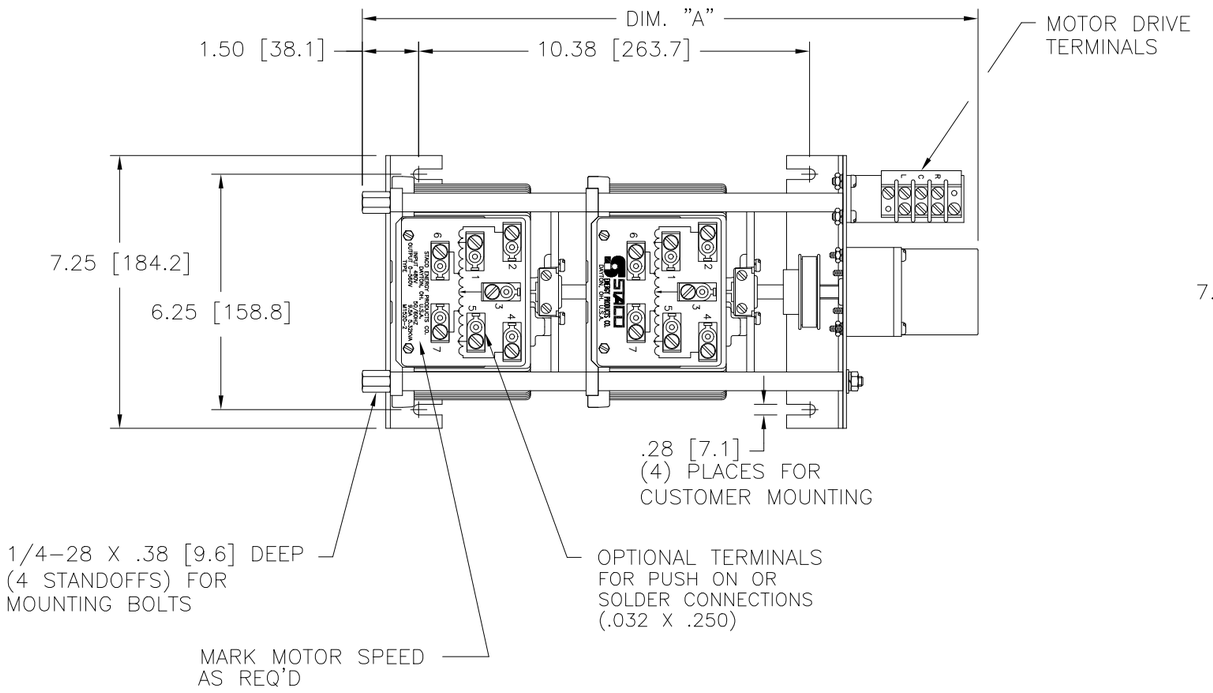
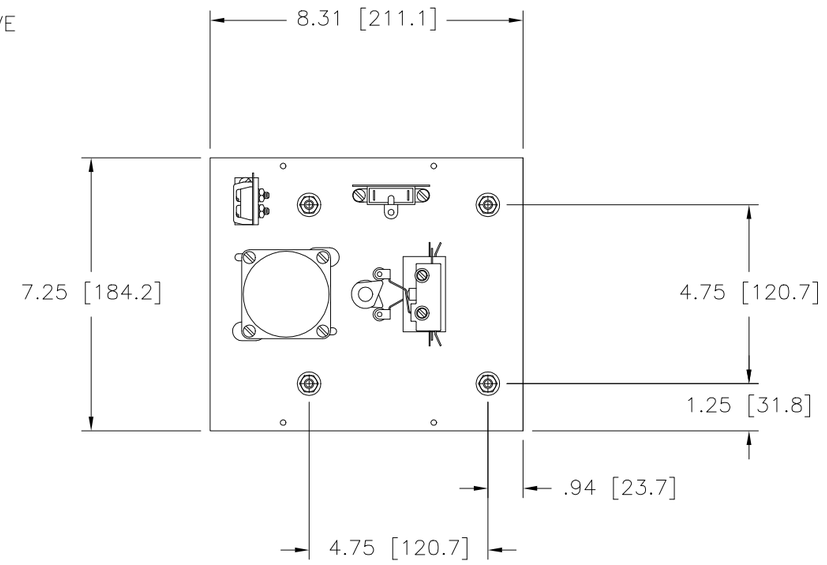
| DWG. SIZE | DWG. NO. |
|---|---|
| D | 031–4034 |

REVISIONS

| SYM. | E.C.N. | DATE | APVD. |
|---|---|---|---|
| A | 24733 | 1/22/02 | |
| | REDRAWN TO CAD | | |

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




NOTES:

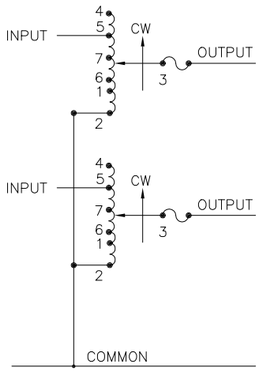
- JUMPER PROVIDED IN THE STANDARD COMMON POSITION AND SHOULD BE MOVED OR REMOVED AS REQUIRED.

++ LINE TO LINE VOLTAGE

‡‡ 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.

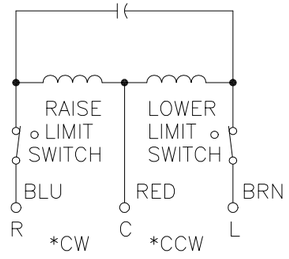
# MAXIMUM OUTPUT CURRENT IN OUTPUT VOLTAGE RANGE FROM 0 TO 25% ABOVE LINE VOLTAGE. AT HIGHER OUTPUT VOLTAGES, THE OUTPUT CURRENT MUST BE REDUCED ACCORDING TO THE DERATING CURVE FIGURE A.

§ MAXIMMUM KVA AT MAXIMUM OUTPUT VOLTAGE AND CORRESPONDING DERATED OUTPUT CURRENT.
MAXIMUM KVA FOR LOWER VOLTAGES MAY BE CALCULATED FROM DERATING DERATING CURVED FIGURE A.




SCHEMATIC

NOTE:
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 | DIM "A" |
|---|---|---|
| 5 | 5M1520–2 | 16.36 [415.5] |
| 15 | 15M1520–2 | 16.36 [415.5] |
| 30 | 30M1520–2 | 16.75 [425.4] |
| 60 | 60M1520–2 | 16.75 [425.4] |

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 | 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 ‡‡ | 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 | 2–4–2 |

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

TITLE: SPEC. CONTROL DRAWING MOTORIZED VARIABLE XFMR. 5, 15, 30, & 60M1520–2



| DRAWN BY | DATE | FIRST USED ON | DO NOT SCALE DWG. |
|---|---|---|---|
| TIM RAU | 1/22/02 | | |
| CHECKER | DATE | WEIGHT APPROX. 52.5 LBS. | CAGE CODE 83008 |
| ENGINEER | DATE | SCALE .5=1 | SHEET 1 OF 1 |

STACO ENERGY PRODUCTS CO.
A Components Corporation of America Company
3001 Gaddis Boulevard Dayton, Ohio 45420 USA

DWG. SIZE D — DWG. NO. 031–4034