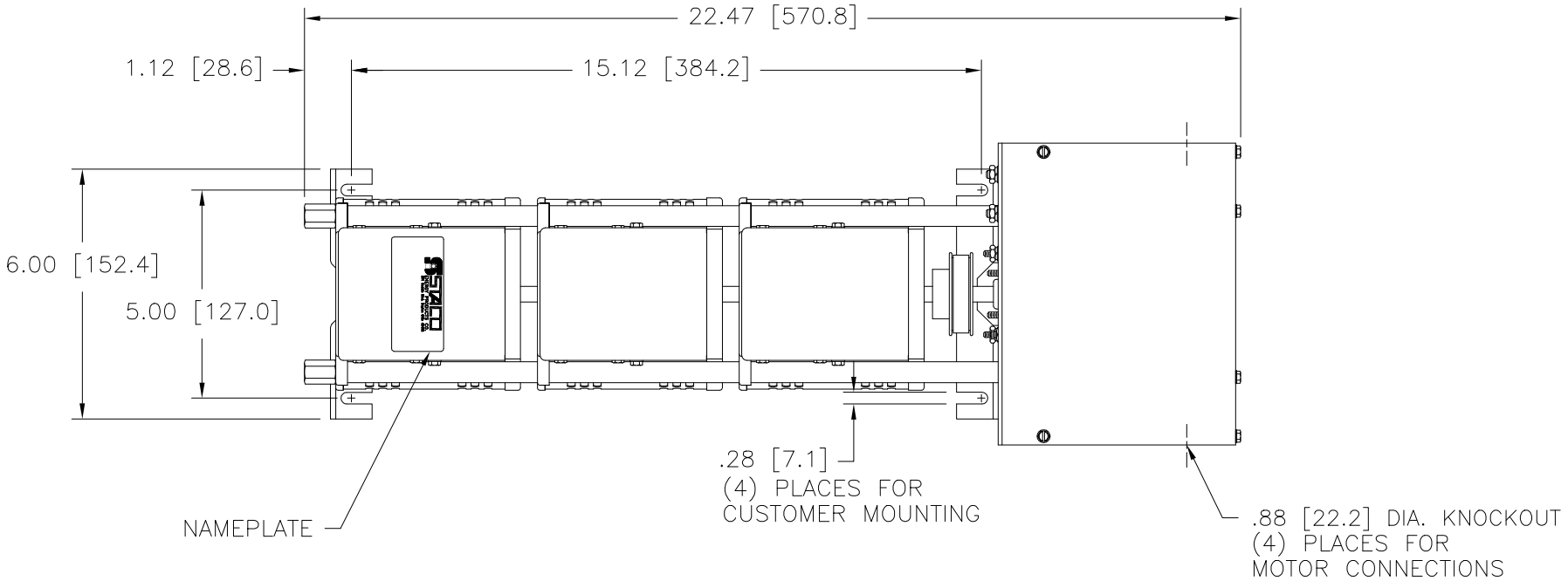
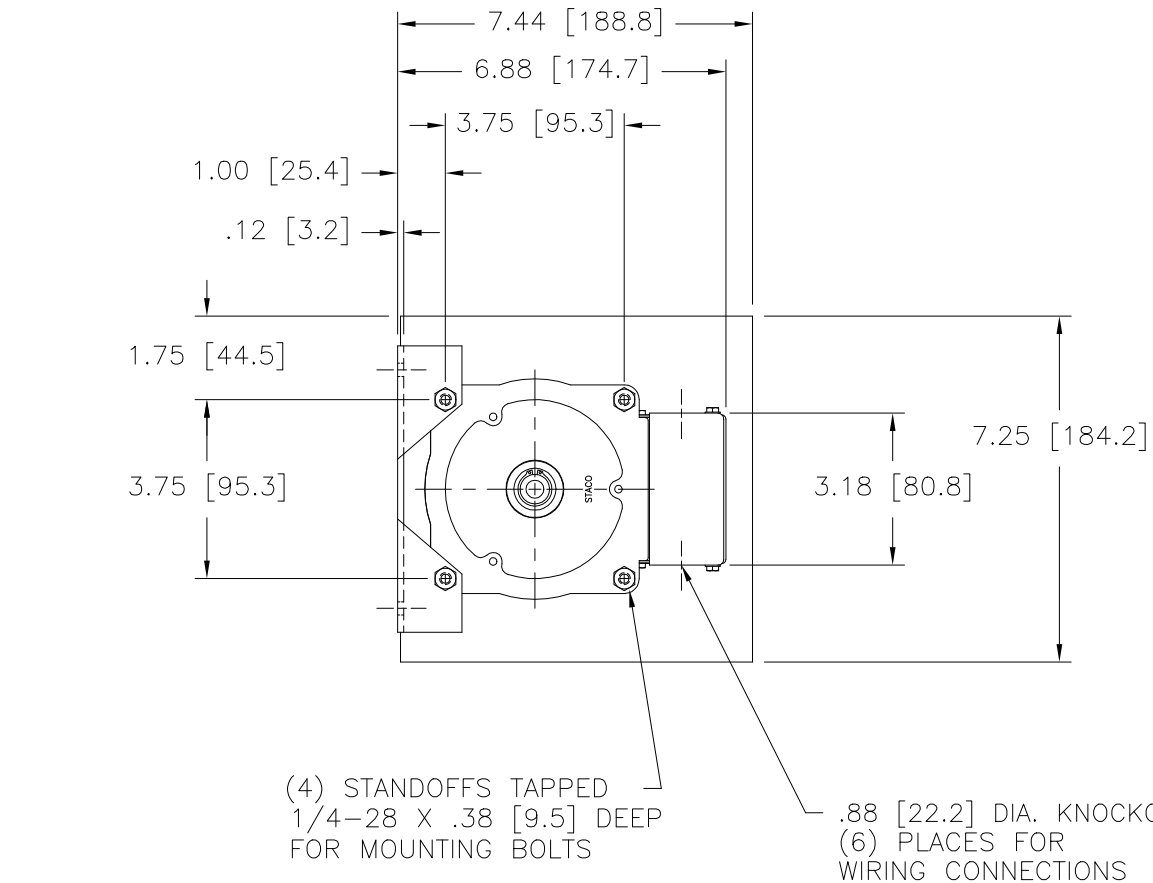
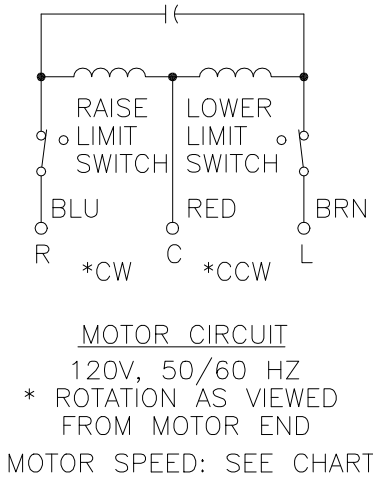
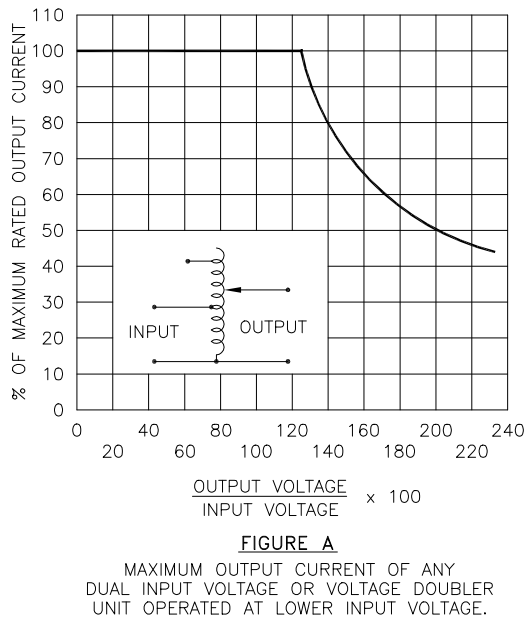
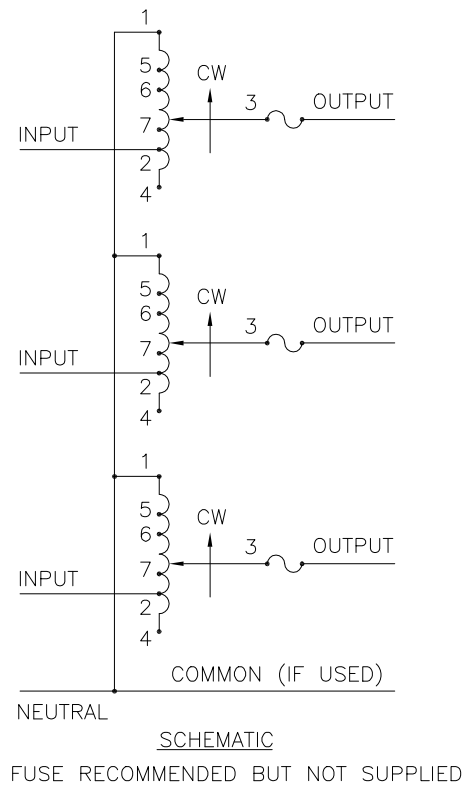




- # MAXIMUM OUTPUT CURRENT IN OUTPUT VOLTAGE RANGE FROM 0 TO 25% ABOVE LINE VOLTAGE. AT HIGHER OUTPUT VOLTAGES, THE OUTPUT CURRENT MUST BE REDUCED ACCORDING TO THE DERATING CURVE FIGURE A.
- § MAXIMUM KVA AT MAXIMUM OUTPUT VOLTAGE AND CORRESPONDING DERATED OUTPUT CURRENT. MAXIMUM KVA FOR LOWER VOLTAGES 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.
- + MOTOR DRIVEN UNITS USE TERMINAL CONNECTIONS FOR CCW INCREASING VOLTAGE, AS VIEWED FROM BASE END.



| SPEED (SECONDS) | MODEL NUMBER |
|-----------------|--------------|
| 5               | 5M1020BCT-3  |
| 15              | 15M1020BCT-3 |
| 30              | 30M1020BCT-3 |
| 60              | 60M1020BCT-3 |

| SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                        |           |           |                                    |                             |                                                                              |                               |             |                                                |                                                        |                                                                                                                                                                                          |                 |                   |           |                   |          |      |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|------------------------------------|-----------------------------|------------------------------------------------------------------------------|-------------------------------|-------------|------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|-----------|-------------------|----------|------|--|--|
| WIRING                                                                                                                                                                                                                                                                                                                                                                                | INPUT     |           | OUTPUT                             |                             |                                                                              |                               |             | SHAFT<br>ROTATION<br>TO<br>INCREASE<br>VOLTAGE | TERMINAL CONNECTIONS                                   |                                                                                                                                                                                          |                 |                   |           |                   |          |      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                       | VOLTS     | HERTZ     | VOLTS                              | CONSTANT<br>CURRENT<br>LOAD |                                                                              | CONSTANT<br>IMPEDANCE<br>LOAD |             |                                                | FOR INCREASING<br>VOLTAGE AS VIEWED<br>FROM BASE END + |                                                                                                                                                                                          |                 |                   |           |                   |          |      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                       |           |           |                                    | MAX.<br>AMPS                | MAX.<br>KVA                                                                  | MAX.<br>AMPS                  | MAX.<br>KVA |                                                | INPUT                                                  | JUMPER ■                                                                                                                                                                                 | OUTPUT          |                   |           |                   |          |      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                       |           |           |                                    |                             |                                                                              |                               |             |                                                |                                                        |                                                                                                                                                                                          |                 |                   |           |                   |          |      |  |  |
| THREE<br>PHASE<br>WYE<br>Π                                                                                                                                                                                                                                                                                                                                                            | 480<br>++ | 50/60     | 0-480                              | 3.5                         | 2.91                                                                         | 5.0                           | 4.16        | CW                                             | 1-1-1                                                  | 4-4-4                                                                                                                                                                                    | 3-3-3           |                   |           |                   |          |      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                       |           |           |                                    |                             |                                                                              |                               |             | CCW                                            | 4-4-4                                                  | 1-1-1                                                                                                                                                                                    | 3-3-3           |                   |           |                   |          |      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                       | 60        | 0-560     | 3.5                                | 3.40                        | —                                                                            | —                             | CW          | 5-5-5                                          | 4-4-4                                                  | 3-3-3                                                                                                                                                                                    |                 |                   |           |                   |          |      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                       |           |           |                                    |                             |                                                                              |                               |             | CCW                                            | 2-2-2                                                  | 1-1-1                                                                                                                                                                                    | 3-3-3           |                   |           |                   |          |      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                       | 240<br>++ | 60        | 0-560                              | 3.5#                        | 1.46 §                                                                       | —                             | —           | CW                                             | 7-7-7                                                  | 4-4-4                                                                                                                                                                                    | 3-3-3           |                   |           |                   |          |      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                       |           |           |                                    |                             |                                                                              |                               |             | CCW                                            | 6-6-6                                                  | 1-1-1                                                                                                                                                                                    | 3-3-3           |                   |           |                   |          |      |  |  |
| UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±                                                                                                                                                                                                                                                                                                                                            |           |           | UNITS                              |                             | TITLE: SPEC. CONTROL DRAWING<br>MOTORIZED VARIABLE XFMR<br>MODEL: M1020BCT-3 |                               |             |                                                |                                                        | <br>STACO ENERGY PRODUCTS CO.<br>A COMPONENTS CORPORATION OF AMERICA COMPANY<br>DAYTON, OHIO U.S.A. |                 |                   |           |                   |          |      |  |  |
| .XX .0006 .002                                                                                                                                                                                                                                                                                                                                                                        |           | ANGLES 1° |                                    | DRAFT 1-1/2°                |                                                                              |                               |             |                                                |                                                        |                                                                                                                                                                                          |                 | IN [mm]           |           |                   |          |      |  |  |
| MATERIAL -                                                                                                                                                                                                                                                                                                                                                                            |           |           | ALL DIMENSIONS APPLY AFTER PLATING |                             |                                                                              |                               |             |                                                |                                                        |                                                                                                                                                                                          |                 |                   |           |                   |          |      |  |  |
| 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.                                         |                                                                                                                                                                                          | CODE IDENT. NO. |                   | DWG. SIZE |                   | DWG. NO. |      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                       |           |           |                                    |                             |                                                                              |                               |             |                                                | 42 LBS                                                 |                                                                                                                                                                                          | 83008           |                   | D         |                   | 031-2576 |      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                       |           |           |                                    |                             | ENGINEER                                                                     |                               | DATE        |                                                | SCALE                                                  |                                                                                                                                                                                          | SHEET 1 OF 1    |                   |           |                   |          |      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                       |           |           |                                    |                             |                                                                              |                               |             |                                                | .50=1                                                  |                                                                                                                                                                                          |                 |                   |           |                   |          |      |  |  |

