



SCHEMATIC  
FUSE RECOMMENDED BUT NOT SUPPLIED

77 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 TRANSFORMERS WILL BE DAMAGED.

■ JUMPERS PROVIDED IN THE STANDARD COMMON POSITION AND SHOULD BE MOVED OR REMOVED AS REQUIRED.

++ LINE TO LINE VOLTAGE.

| SPECIFICATIONS     |       |       |        |                       |          |                         |                                    |  |       |          |        |
|--------------------|-------|-------|--------|-----------------------|----------|-------------------------|------------------------------------|--|-------|----------|--------|
| WIRING             | INPUT |       | OUTPUT |                       |          |                         | SHAFT ROTATION TO INCREASE VOLTAGE | TERMINAL CONNECTIONS                           |       |          |        |
|                    | VOLTS | HERTZ | VOLTS  | CONSTANT CURRENT LOAD |          | CONSTANT IMPEDANCE LOAD |                                    | FOR INCREASING VOLTAGE AS VIEWED FROM BASE END |       |          |        |
|                    |       |       |        | MAX. AMPS             | MAX. KVA | MAX. AMPS               |                                    | MAX. KVA                                       | INPUT | JUMPER ■ | OUTPUT |
| THREE PHASE WYE 77 | 240   | 60    | 0-240  | 3.0                   | 1.25     | 3.5                     | 1.45                               | CW   | 2-2-2 | 1-1-1    | 3-3-3  |
|                    | ++    |       |        |                       |          |                         |                                    | CCW  | 1-1-1 | 2-2-2    | 3-3-3  |

  

|   |                                    |                          |                   |                 |         |   |
|---|------------------------------------|--------------------------|-------------------|-----------------|---------|---|
| UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±  | DECIMALS                           | HOLES                    | ANGLES            | DRAFT           | UNITS   | TITLE: SPEC. CONTROL DRAWING<br>VARIABLE TRANSFORMER<br>TYPE: 291-3 |
|   | .XX                                | .0149                    | 1°                | 1-1/2°          | IN [mm] |   |
| MATERIAL:   | ALL DIMENSIONS APPLY AFTER PLATING |                          |                   |                 |         | SCALE: 1=1  |
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| DRAWN BY  | DATE                               | FIRST USED ON            | DO NOT SCALE DWG. | CAGE CODE 83008 |         |   |
| CHECKER   | DATE                               | WEIGHT APPROX. 8.25 LBS. | DWG. NO. 031-0293 |                 |         |   |
| ENGINEER  | DATE                               | SCALE                    | SHEET 1 OF 1      |                 |         |   |

