



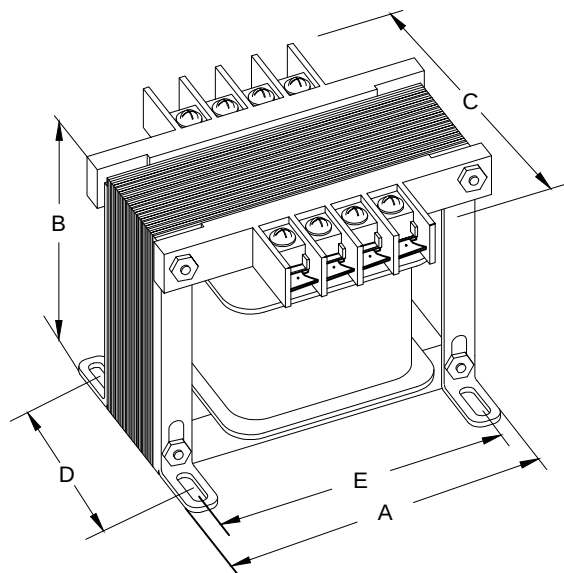
# MARCUS

Marcus Transformer LTD  
 Phone: 1-800-267-7376  
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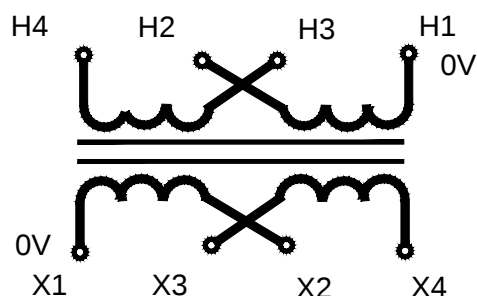
## TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

| DESCRIPTION        |                                           |
|--------------------|-------------------------------------------|
| MODEL              | MTB100E                                   |
| Type               | Open                                      |
| VA                 | 100                                       |
| Primary (Volts)    | 240 / 480                                 |
| Secondary (Volts)  | 120 / 240                                 |
| Input /Output Amps | 0.42 , 0.21 / 0.83 , 0.42                 |
| Temperature Rise   | 80°C                                      |
| Insulation Class   | B (130°C)                                 |
| Frequency          | 60Hz                                      |
| Polarity           | additive                                  |
| Noise level        | less than 40DB                            |
| Winding            | Copper                                    |
| Approvals          | CE compliant<br>UL listed<br>CSA approved |



## CONNECTION DIAGRAM



## WIRING CONNECTION

| PRIMARY :   |                 |                    |
|-------------|-----------------|--------------------|
| VOLTS       | INTERCONNECT:   | CONNECT LINES TO : |
| 240         | H1-H3 AND H2-H4 | H1-H4              |
| 480         | H2-H3           | H1-H4              |
| SECONDARY : |                 |                    |
| VOLTS       | INTERCONNECT:   | CONNECT LINES TO : |
| 120         | X1-X3 AND X2-X4 | X1-X4              |
| 240         | X2-X3           | X1-X4              |

## DIMENSIONS INCHES / MM

| VA  | A            | B            | C             | D            | E            | MOUNTING HOLES INCHES / MM | SHIP WEIGHT LBS / KG |
|-----|--------------|--------------|---------------|--------------|--------------|----------------------------|----------------------|
| 100 | 3.00<br>76.2 | 2.65<br>67.3 | 4.00<br>101.6 | 2.50<br>63.5 | 2.50<br>63.5 | 0.21 x 0.625<br>5.3 x 15.9 | 2.75<br>1.3          |

Notes: