

Technical Parameter and Drawing  
2500KVA-11/0.4KV  
DRY TYPE TRANSFORMER

JIANGSHAN SCOTECH ELECTRICAL CO.,LTD

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## JIANGSHAN SCOTECH ELECTRICAL CO.,LTD

| No. | Basic information   | Unit | Guaranteed                           |
|-----|---------------------|------|--------------------------------------|
| 1   | Manufacturer        |      | Jiangshan Scotech Electrical Co.,Ltd |
| 2   | Standard            |      | IEC60076                             |
| 3   | Type                |      | Resin cast dry type transformer      |
| 4   | Installation        |      | Indoor                               |
| 5   | Altitude            | M    | ≤1000                                |
| 6   | Rated power         | KVA  | 2500                                 |
| 7   | Primary voltage     | KV   | 11                                   |
| 8   | Secondary voltage   | KV   | 0.4                                  |
| 9   | Vector group        |      | Dyn11                                |
| 10  | Rated Frequency     | HZ   | 50                                   |
| 11  | Cooling             |      | AN/AF                                |
| 12  | Number of windings  |      | 2                                    |
| 13  | Number of phases    |      | 3                                    |
| 14  | Type of tap Changer |      | NLTC                                 |
| 15  | Tapping range       |      | ±2*2.5%@primary side                 |
| 16  | Impedance           | %    | 6.0                                  |

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|      |  |            |                                    |
|------|--|------------|------------------------------------|
| 17   | No-load loss   | KW         | 4                                  |
| 18   | On load loss   | KW         | 17.2                               |
| 19   | <b>Basic insulation level</b>                                |            |                                    |
| 19.1 | Basic impulse lighting withstand voltage-primary side(BIL)   | KV         | 75                                 |
| 19.2 | Power Frequency withstand voltage-primary side               | KV         | 28                                 |
| 19.3 | Basic impulse lighting withstand voltage-secondary side(BIL) | KV         | /                                  |
| 19.4 | Power Frequency withstand voltage-secondary side             | KV         | 3                                  |
| 19.5 | Winding temperature rise @ rated service condition           | K          | 100                                |
| 19.6 | Insulation level   |            | F                                  |
| 20   | <b>Material</b>  |            |                                    |
| 20.1 | Winding material   |            | AL                                 |
| 20.2 | Core material  |            | Grain oriented silicon steel sheet |
| 20.3 | Winding structure  |            | Resin cast                         |
| 21   | <b>Dimension and weight</b>                                  |            |                                    |
| 21.1 | Overall Dimension(L*W*H)                                     | mm         | As per drawing                     |
| 21.2 | Total Weight   | KG         | As per drawing                     |
| 22   | <b>Accessories</b>   | <b>QTY</b> | <b>Remarks</b>                     |

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|      |                        |   |   |
|------|------------------------|---|---|
| 22.1 | Temperature controller | 1 | <ol style="list-style-type: none"> <li>1. Built-in PT100 probes in 3 phase windings to detect the real-time temperature of windings and cycle display temperature in the digital screen.</li> <li>2. Circuit open alarm and fault self-check alarm display and output</li> <li>3. 3 stage actions:             <ol style="list-style-type: none"> <li>a. when the temperature reached to the set value, the cooling fans start automatically at 1st stage,</li> <li>b. high temperature alarm at 2nd stage</li> <li>c. over temperature trip at 3rd stage.</li> </ol> </li> <li>4. Fans manual/auto control switch</li> <li>5. Fans timing start/stop</li> <li>6. History data record and output</li> <li>7. 4-20mA current output(optional)</li> <li>8. RS485 Modbus communication protocol(optional)</li> <li>9. Environment temperature measurement function(optional)</li> <li>10. Core temperature measurement(optional)</li> </ol> <p>Please inform us if you need optional function.</p> |
| 22.2 | Cooling fans           | 2 | Installed at bottom of the transformer start/stop auto controlled by the temperature controller   |
| 22.3 | Enclosure              | 1 | Optional device   |



