



Shanghai Xiujiang Electrical Equipment Co., Ltd.

Three-phase dry-type isolation transformer technical requirements and configuration

Model: SG-KVA

Type: Dry type transformer

Phase number: Three phase

Input voltage: customized.

Output voltage: customized.

Transformer type: Isolating type

Enclosure size:

Weight:(This weight is for reference only and there will be some error, about 10%, and the final weight will be based on the actual weight.)

Winding structure and number of groups: Cylindrical three winding

Winding material: PEW non-oxidized copper wire or aluminum wire

Core structure and material: Oriented high silicon steel lamination

Transformer epoxy casting

Core form: EI type

Rated capacity:

Output voltage accuracy: $\pm 1\%$

Voltage change rate: $\leq 1.5\%$

Output waveform distortion: no distortion (compared to the input waveform)

Insulation class: Class H (insulation temperature resistance 180 degrees Celsius)

Working efficiency: $\geq 98\%$

Applicable frequency: 50/60Hz

Overload capability: Allows 2 hours of work over 1.2 times rated load

Noise: less than or equal to 50 decibels

Temperature rise: less than 50°C (at working temperature of $-10^{\circ}\text{C} \sim +45^{\circ}\text{C}$)

Insulation resistance: $\geq 500\text{M}\Omega$

Insulation withstand voltage test: Primary, secondary withstand voltage 2.5KV 1 minute without breakdown

Impedance voltage %: $\leq 4\%$

Cooling method: Dry air cooling

In and out line mode: Lower in and out line

Shape structure: Vertical

Design life: 20-30 years

Working environment: Temperature: $-10^{\circ}\text{C} \sim +45^{\circ}\text{C}$, Humidity: $\leq 95\text{RH}$

No condensation

Applicable altitude: $\leq 2000\text{m}$

Enclosure protection rating: IP30

Workplace: The installation site should have no gas that seriously affects the insulation strength of the transformer, steam, chemical deposits, dirt, conductive dust, and other explosive, flammable and corrosive substances.

Chinese and English manual, fumigation-free export wooden box packaging

General product appearance reference: (can be customized according to customer requirements)

