

50 kVA Distribution Transformer



Brand: Datsan

Product Code: DT50

Availability: 2 - 3 Days

Weight: 490.00kg

Dimensions: 760.00mm x 360.00mm x 670.00mm

Description

We generally manufacture distribution transformers in this power range, mainly in two different types:

1. Transformer with conservator tank (WCT),
2. Hermetically sealed type (HST),

Below table will help to engineers to select the best option according to environmental conditions which transformer works in:

| | High Environmental Temperature | High Altitude | Rural Network | High Humidity | Over Load Conditions | Unstable Loading |
|-----|--------------------------------------|---------------|------------------|------------------|-------------------------|---------------------|
| WCT | ↑↑ | ↑↑ | ↓↓ | ↓↓ | ↑↑ | ↑↑ |
| HST | ↓↓ | ↓↓ | ↑↑ | ↑↑ | ↓↓ | ↓↓ |

Meanwhile here is the advantage-disadvantage of the WCT-HST types:

- In HST type, tank pressure is more than WCT type. WCT type generally works under low pressure due to its open to atmosphere,
- In HST type, cooling/insulation oil does not contact to the air (theoretically). Therefore oil maintenance period is longer than WCT type,
- HST type transformers and their related parts generally work under higher

temperature (If we evaluate WCT-HST work under same conditions).

Specification

| General Information | |
|-------------------------------------|---|
| Power (kVA) | 50 |
| Input Voltage (kV) | from 6.3 upto 36 |
| Output Voltage (V) | 400-410-416-431 or as per requested voltage |
| Type | With conservator tank or hermetically sealed |
| Mounting Type | Pad or pole mounted |
| Origin | Turkey |
| Technical Datas | |
| Max. Environmental Temperature (°C) | 50 |
| Max. Altitude (m) | As per customer request |
| Magnetic Circuit Type | Core Type |
| Magnetic Circuit Material | CRGO (Cold-Rolled Grain Oriented silicon steel) |
| Coils | |
| Winding Material | Copper and/or Aluminum |
| Coil Geometry | Round or oval |
| Transformer Tank | |
| Cooling Type | ONAN or KNAN |
| Cooling Surface | Corrugated wall |
| Surface Protection | Paint or Galvanizing |

Product Gallery

