

# 400 kVA Distribution Transformer



**Brand:** Datsan

**Product Code:** DT400

**Availability:** 2 - 3 Days

**Weight:** 1,236.00kg

**Dimensions:** 1,060.00mm x 500.00mm x 820.00mm

## 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<br>Environmental<br>Temperature | High Altitude | Rural<br>Network | High<br>Humidity | Over Load<br>Conditions | Unstable<br>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)                         | 400                                             |
| 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

