



## Dry Type Transformer Technical Specifications

SPECIFICATIONS	
Phase	Three-Phase
Frequency	50/60 Hz or 400 Hz
Power Capacity	Up to 10 MVA is Available
Vector Group	All Connection Types According to IEC
Tap Selection	Available
PRIMARY	
Primary Voltage	LV, MV and HV Voltages Available
Connection	Delta or Star Winding
Winding Material	Copper or Aluminium as per Request
Inrush Current	<12 In
Temperature Class	Class H
Applicable Standard	IEC 60076-11
Partial Discharge	<10 pC
SECONDARY	
Secondary Voltage	LV, MV and HV Voltages Available
Connection	Delta or Star Winding
Winding Material	Copper or Aluminium as per Request
Temperature Class	Class H
Partial Discharge	<10 pC
GENERAL	
Thermal Class	Class F
Environmental Class	Class E2
Duty	Continuous
SAFETY and STANDARDS	
Standards	IEC 60076:2020, IEC 60085
Testing	IEEE Compliancy
Safety	IEC 60270
Quality	ISO 9001:2015
ENVIRONMENT	
Temperature	-10 C° / +50 C°
Humidity	0 - 90% (non-condensing)
ENCLOSURE	
IP Rating	IP20 to IP65 Enclosures Available
Cooling	Forced Air Cooling with Fans
Enclosure	Galvanized Steel

### Highlights

- Dry Type Transformer
- Low Load Losses
- Smart Air Cooling
- Reliable Electrical Isolation
- Partial Discharge <10 pC
- Ventilated Enclosure
- Cabinet with Lifting Lugs
- Tap Selection Options
- Resistant to Short-circuits
- Low Maintenance
- Protective Coating
- Continuous Operation
- Low Idle Losses
- Low Heat Losses
- Grounded Metal Cabinet
- 2 Years Warranty

### General Features

Protector Series Dry Transformers are designed compatible with IEC 60076 standards for power supply of single or three phase systems. High voltage windings are manufactured in accordance with customer request by using H Class insulated copper and aluminium conductors.

High voltage tapping selector is made with  $\pm 2 \times 2.5\%$  (other range available at request) easily operable at de-energized condition located on HV terminal side to adapt the primary voltage to the network value AC connection point.

Galvanized steel enclosure is designed to work in marine and off-shore installations. Special cabinet painting is suitable for harsh environments.