



TYPICAL APLICATIONS

- Industrial & Manufacturing Sites
- Coastal or Corrosive Environments
- Renewable Energy Systems and Compact Substations

STANDARD FEATURES

- 3 x MV Bushings (Porcelain / Epoxy Plug-in Connector)
- 4 x LV & Neutral Bushings
- Off-Circuit Tap Changer - 5 Positions
- Pressure Relief Device
- Insulating Liquid Drain Valve
- Filter Connection Device
- Insulating Liquid Sampling Device
- Tank Grounding Device
- Wheels
- Lifting Lugs (for Active Part and Complete Transformer)

OPTIONAL FEATURES

- Integrated Protection Relay (with or without Communication)
- MV/LV Protection Box for Cable or Busbar Connection
- Electrostatic Shield

MAINTENANCE-FREE OPERATION

- Hermetically Sealed Design Prevents Air/Moisture Ingress
- The Elastic Tank Accommodates Oil Volume Changes Caused by Temperature Fluctuations, Preventing Oxidation and Sludge Formation
- Compact Design Saving Space
- Requires Less Maintenance Due to their Sealed Design and Efficient Cooling System
- Adaptable to Special Environments

WARRANTY

1 Year Standard

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HERMETICALLY SEALED DISTRIBUTION TRANSFORMER

Technical Specifications

General Characteristics	
Item	Specification
Applicable Standards	IEC 60076/NBR 12454
Altitude	≤ 1000 m (3300 ft)
Ambient Temperature	40°C (104°F)
K-Factor*	1
Environment	Outdoor

Electrical Characteristics	
Item	Specification
Rated Power (kVA)	500 to 7000
MV Rated Voltage (V)	≤ 34500
MV Tap Voltage (%)*	± 2 x 2.5
LV Rated Voltage (V)	≤ 15000
Frequency (Hz)	50/60
Vector Group*	Dyn1/Dyn11

*Other Configurations Upon Request

Construction Characteristics	
Item	Specification
Oil Preservation System	Hermetically Sealed Oil Filled
Insulating Liquid	Mineral Oil/Ester Fluid
Cooling Method	ONAN/KNAN
Oil Temperature Rise	60/85°C – 140/185°F
Winding Temperature Rise	65/85°C – 149/185°F
Corrosion Category	C4
Winding Material	Aluminum/Copper
Insulation Thermal Class	105/140°C – 221/284°F

