TYPICAL APPLICATIONS

- Commercial & Industrial Sites
- Utility Grids
- Renewable Energy Systems
- Critical Infrastructure
- Compact Substations

ACCESSORIES

- HV Bushings (Porcelain or Dead Front}
- LV Bushings (Molded Epoxy or Porcelain with NEMA Spades)
- HV/LV Air Terminal Chambers
- Off-Circuit Tap Changer
- Pressure Relief Valve
- Lifting Lugs, Grounding Pads, Drain Valves & Sampling Device
- Liquid Level Gauge, Liquid Temperature Gauge
- Pressure Vacuum Gauge
- Tank Base for Skidding or Rolling

OPTIONAL FEATURES

- KNAN Cooling (Ester Fluid)
- Single and Dual Temperature kVA Ratings (55°C, 55/65°C, 55/75°C, 65/75°C, 75°C)
- Overcurrent and/or Overvoltage Protection
- Control Box (NEMA 4, 4X, 7)
- Forced-Air Control Package
- N2 Preservation System
- Sudden Pressure Relay
- Pressure Vacuum Bleeder Valve
- Winding Temperature Indicator
- Detachable Radiators w/ Valves
- Electrostatic Shield
- Dual Low Voltage Design
- Anti-Corrosion Coating
- Adaptable to Special Environments

WARRANTY

- Two (2) Year Standard

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UNIT SUBSTATION TRANSFORMERS

Technical Specifications

General Characteristics	
Applicable Standards	IEEE C57.12.36 - 2017
Altitude	≤ 1000 m (3300 ft)
Max Ambient Temperature	40°C (104°F)
K-Factor*	1
Environment	Outdoor

Electrical Characteristics	
Number of Phases	3
Power Rating (kVA)	500 to 20000
HV Nominal Voltage (V)	≤ 69000
HV Taps (%)*	± 2 x 2.5
LV Nominal Voltage (V)	≤ 34500
Frequency (Hz)	60
Vector Group*	Dyn1

*Other Configurations on Request

Construction Characteristics	
Bushings Assembly	Side-Mounted
Conservation System	Sealed Tank with Air Cushion
Insulating Liquid	Mineral Oil
Cooling Method	ONAN
Oil Temperature	60°C (140°F)
Winding Temperature	65°C (149°F)
Corrosion Category	C4
Winding Material	Aluminum/Copper
Insulation Thermal Class	105°C (221°F)