

**500kVA B.E.S.T - Aluminium Wound Amorphous Core Mineral Oil Filled  
Distribution Transformer**

Specification	IEC 60076
Part Number	500STDALT3ACO
Rated Power, Sr	500 kVA
Rated Frequency, fr	50 Hz
Rated High Voltage, Ur	11000 v
HV Tapping Range	+71/2, -5%
Tap Switch, CFVV	Off Circuit
Tap Steps	5 x 21/2 %
Rated Low Voltage, Ur	415 v
Cooling Method	ONAN
Thermal Class	A (105°)
Location	Indoor/Outdoor
Coolant	Mineral Oil
Insulation Level	Li75.Ac28 / Ac3
Vector Group	Dyn11
Core Material	Amorphous
Winding Material	Aluminium
Temperature Rise Oil/Wdg	60 / 65 °
Load Loss @ 75°C	3,120 w
No Load Loss	240 w
Tier 2 EU 548/2014	Ak Ao -10%
Impedance	4.75%

**HV Cable Box**

3 pole single gland air filled, shroud insulated, suitable for a single multi core cable from below complete with a mild steel gland plate. Compliant with BS EN 50336 and BS 2562.

*(Excludes necessary glands, lugs and termination kit).*

**LV Cable Box**

4 -pole 4 gland air insulated, suitable for single core cables from below, complete with mono block bushing, non-magnetic gland plate. Compliant with BS EN 50336 and BS 2562.

*(Excludes necessary cables, glands and lugs).*

**Paint Finish**

Painted in accordance with our standard system with a dark admiralty grey finish to BS381C – 632 incorporating corrosion category C4 of ISO 12944.

**Neutral Point**

A fully rated neutral point provided as standard.

**Standard Fittings**

ENA TS 35-1 terminal height  
Oil filler top plate  
Oil level indicator  
Main lifters  
Breather Pipe  
Thermometer pocket  
Rating and diagram plate with CE and UKCA marks  
Oil drain / sampling valve  
Stainless steel earth lugs  
Jacking points  
Skid under base

**Standard Accessories Supplied Loose**

1 x Desiccant breather  
2 x Tins touch up paint (1x Grey, 1x Yellow)  
1 x Paint Brush  
1 x Transformer routine test certificate  
1 x Certificate of Conformity  
1 x O&M manual

*For standard definitions and references please refer to the latest edition of BS EN 60076-1.*

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