

**500kVA Tier 2 - Aluminium Wound MIDELE Filled Distribution Transformer**

Specification	IEC 60076
Rated Power, Sr	500kVA
Rated Frequency, fr	50 Hz
Rated High Voltage, Ur	11000v
Rated Current, Ir	26.24 A
HV Tapping Range	+7.5, -5%
Tap Switch, CFVV	Off Circuit
Tap Steps	5 x 2.5%
Rated Low Voltage, Ur	415v
Rated Current, Ir	695.60 A
Cooling Method	KNAN
Thermal Class	A (105°C)
Location	Indoor/Outdoor
Coolant	Midel 7131
Insulation Level	Li75.Ac28 / Ac3
Vector Group	Dyn11
Core Material	CRGO
Winding Material	Aluminium
Temperature Rise Oil/Wdg	60 / 65°C
Load Loss @ 75°C	3900 W
No Load Loss	459 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.

**Accessories & 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

**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.*

**Bowers Electricals Ltd, Heanor Gate Road, Heanor, Derbyshire DE75 7GX**

Telephone: 01773 531531 (24 hours) Fax: 01773 716171

E-mail: [enquiries@bourselec.co.uk](mailto:enquiries@bourselec.co.uk) [www.bourselec.co.uk](http://www.bourselec.co.uk)

Registered at the above address in England Company No: 1955004 VAT Ref: 4163613