

## Oil Distribution Transformer

**Transformer: Oil transformer AL 1600/22/0.4H AoAk Type: APL24**

<b><u>Electrical Data</u></b>	<b><u>Data</u></b>	<b><u>Units</u></b>
Rated Power	1600	kVA
Rated Primary Voltage	22	kV
Rated Secondary Voltage	0.4	kV
Rated Frequency	50	Hz
Number of phases	3	
Group of connection	Dyn11	
Short-circuit impedance	6.0	%
No-load losses	1200	W
Load losses	12000	W
LV,HV Winding	Aluminum	

### **Technical Data**

Design version	Hermetic	
HV bushings	K180	
LV bushings	ED-N/20	
Rating of the tap-change	-2+2x2.5%	
Temperature rise limit	60/65	
Cooling method	ONAN	
Noise level (1 m)	50	dB(A)
Installation	Indoor/Outdoor	
Insulation class	24/1.1	
Insulation level:		
1.2/50 us	125	kV
50Hz, 1min	50	kV

### **Overall dimensions:**

Height	2030	mm
Width	1125	mm
Length	1935	mm

### **Weight**

Total	4,425.00	Kg
Oil	1000	Kg

### **Protection /Control device on transformer**

Oil level indicator	NO	Pressure relief valve	YES
Dial type thermometer	NO	Safety control device	DGPT

\*\* Tolerances according IEC 60076 & IS 50464