



TRANS TECH HANDELS GMBH

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TECHNICAL SPECIFICATION

NAME: Three - phase oil - immersed transformer according to IEC 60076 – BS 171, with conservator, suitable for outdoor installation, a maximum ambient temperature of 45°C and maximum altitude for installation of 1000 m above sea level, with copper windings, routine test and Tolerance according to IEC60076-BS 171

Type	: TTH 500/33	Cooling method	: ONAN
Rated Capacity KVA	: 500 KVA	Operating duty	: DB
Rated Voltage	: 33000/415 Volts	Frequency (Hz)	: 50
Rated current	: 8.75/695.6 Amps.	Mode	: LT
Tapping	: HV side in 6 steps of 2.5%	Class of Insulation Material	: A
	: +5% to -7.5%		
Vector Group	: Dyn 11		
Neutral Point	: taken out on LV side with	100% rating inside LV Cable Box	

No load losses W	: 1000	Tolerance : + 15%
Load losses at 75°C W	: 6400	Tolerance : + 15%
Total losses W	: 7400	Tolerance : + 10%
Short circuit voltage At 75°C (Impedance)	: 4.75 %	
Oil Quantity (Approx.)	: 470 Kg./ 567 Litres	
Total Weight (Kg)	: 2080 Kg	

DIMENSIONS (Approximate)

Length (mm)	: 1800
Width (mm)	: 1305
Height (mm)	: 2090
Total Weight	: 2090 Kg.

Regulation at Rated Current	At U.P.F. 1.38%	At 0.80 P.F. 3.81%
Efficiency at Rated Current	At 125% 98.27%	At 100% 98.54%
	At 75% 98.79%	At 50% 98.97%
	At 25% 98.89%	---

Standard Accessories : As per GA Drawing

Bushings : HV 3 pcs. IS:3347 similar to DIN 42531
: LV 4 pcs. IS:3347 similar to DIN 42530 (**Cable Box**)

Painting : Standard Transformer Colour or as per customer's requirement

Notes : Max. ambient temperature 45°C
: Max. over temperature of oil 55°C
: Max. over temperature of winding 65°C
: Lightning Impulse withstand test 200 KVP
: Applied Voltage withstand test HV 70 KVRMS
LV 3 KVRMS

Inscription : English

Trans Tech Handels GmbH

Bremen