

TRANS TECH HANDELS GMBH

A. d. Schleifmuehle 37
28203 Bremen, Germany

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 500/11	Cooling method	: ONAN
Rated Capacity KVA	: 500 KVA	Operating duty	: DB
Rated Voltage	: 11000/415 Volts	Frequency (Hz)	: 50
Rated current	: 26.25/696 Amps.	Mode	: LT
Tapping	: HV side in 6 steps of 2.5% : + 5% to - 7.5%	Class of Insulation Material	: A
Vector Group	: Dyn 11		:
Neutral point	: taken out on LV side with 100% rating inside LV Cable Box		:

No-Load Losses W	: 850 Tolerance : + 15%	DIMENSIONS (Approximate values only)	
Load Losses at 75°C W	: 6100 Tolerance : + 15%	Length (mm) :	: 1740
Total Losses W	: 6950 Tolerance : + 10%	Width (mm) :	: 1425
Short circuit voltage at 75° C (Impedance)	: 4.75 %	Height (mm) :	: 1860
Oil Quantity (Approx.)	: 390 Kgs./470 Litres	Weight (Kg) :	: 1865

Regulation at Rated Current	At U. P. F. 1.33 %	At 0.80 P. F.	3.77 %
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Efficiency at Rated Current	At 125% 98.37%	At 100%	98.63%
	At 75 % 98.87%	At 50 %	99.06%
	At 25 % 99.02%	---	

Standard Accessories	: 1 pc. Oil filling Plug
	: 1 pc. Dial Type Thermometer
	: 1pc. Dehydrating Silicagel Breather
	: 1pc. Oil Level Indicator
	: 1pc. Cable Box HV
	: 1pc. Cable Box LV
	: 4 pcs. Uni-Directional Type Flat Rollers

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

Painting	: Standard Transformer Colour or as per customer's requirement
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Notes	: Max. ambient temperature	45° C
	: Max. over temperature of oil	55° C
	: Max. over temperature of winding	65° C
	: Lightning Impulse withstand test	95 KVP
	: Test with applicated withstand alternating voltage	HV 28 KVRMS
		LV 3 KVRMS

Inscription	: English
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Trans Tech Handels GmbH

Bremen