



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 IEC 60076-BS 171

Type	: TTH 100/11	Cooling method	: ONAN
Rated Capacity KVA	: 100 KVA	Operating duty	: DB
Rated Voltage	: 11000/415 Volts	Frequency (Hz)	: 50
Rated current	: 5.25/139.12 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	: 290 Tolerance : + 15%
Load losses at 75°C W	: 1850 Tolerance : + 15%
Total losses W	: 2140 Tolerance : + 10%
Short circuit voltage At 75°C (Impedance)	: 4.50%
Oil Quantity (Approx.)	: 150 Kg./184 Litre
Total Weight (Kg)	: 675

DIMENSIONS (Approximate)

Length (mm)	: 1140
Width (mm)	: 1065
Height (mm)	: 1335

Regulation at Rated Current	At U.P.F. 1.93%	At 0.80 P.F.	3.96%
Efficiency at Rated Current	At 125% 97.51%	At 100%	97.90%
	At 75% 98.25%	At 50%	98.51%
	At 25% 98.40%	---	

Standard Accessories : As per GA Drawing 1-100/J-3/1

Bushings : HV 3 pcs. DIN 42531 (**Cable Box**)
: LV 4 pcs. 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 95 KVP
: Test withstand alternating voltage applied HV 28 KVRMS
LV 3 KVRMS

Inscription : English

Trans Tech Handels GmbH

Bremen