

# LTP

## Transformer & Power

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

### Model-LTP

<b>Type -Model</b>	: LTP 1600/10.5	<b>Cooling method</b>	: ONAN
<b>Rated Capacity KVA</b>	: 1600 KVA	<b>Operating duty</b>	: DB
<b>Rated Voltage</b>	: 10500/415 Volts	<b>Frequency (Hz)</b>	: 50
<b>Rated current</b>	: 88 / 2226 Amps.	<b>Mode</b>	: LT
<b>Tapping</b>	: HV side in 6 steps of 2.5%	<b>Class of Insulation Material</b>	: A
	: +5% to – 10%	<b>Mounting</b>	: Ground
<b>Vector Group</b>	: Dyn 11		
<b>Neutral Point</b>	: taken out on LV side with	100% rating inside LV Cable Box	

<b>No load losses</b>	<b>W</b>	: 1800	Tolerance : + 15%
<b>Load losses at 75°C</b>	<b>W</b>	: 16500	Tolerance : + 15%
<b>Total losses</b>	<b>W</b>	: 18300	Tolerance : + 10%
<b>Short circuit voltage</b>			
<b>At 75°C (Impedance)</b>		: 6.15 %	
<b>Oil Quantity (Approx.)</b>		: 950 Kgs./ 1180 Litres	
<b>Total Weight (Kg)</b>		: 4700	

#### DIMENSIONS (Approximate)

<b>Length (mm)</b>	: 2100
<b>Width (mm)</b>	: 2800
<b>Height (mm)</b>	: 2300

<b>Regulation at</b>			
<b>Rated Current</b>	At U.P.F. 1.31%	At 0.80 P.F.	4.40%
<b>Efficiency at</b>	: At 125%	98.67%	At 100%
<b>Rated Current</b>	: At 75%	99.01%	At 50%
	: At 25%	99.14%	---

**Standard** : As per customer's specifications

**Accessories**

**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 70 K.V.P.  
: Applied Voltage withstand test HV 28 K.V.R.M.S.  
LV 3 K.V.R.M.S.

**Inscription** : English

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**Bremen**