

General Specifications

Manufacturer	SEM TRANSFORMATÖR	Standard	IEC 60076-1
Product Type	Hermetical Sealed Fully Filled Type	Installation	Indoor
Rated Power [kVA]	3150	Service Altitude	< 1000
Rated Voltages (HV-LV) [kV]	20-15 / 0,66	Ambient Temperature	40 °C
Cooling Method	ONAN	Temperature Rise- Oil / Windings	60 K 65 K
Number of Phases	3	Routine test is included according to IEC 60076-1	
Frequency [Hz]	50		

Electrical Specifications

Primary Voltage	20000V	Tapping Type	Off Load
Secondary Voltage	660 V	Core Type	Cold Rolled Grain Oriented
High Voltage Taps	+ 2 - 2 x 2,5%		
Vector Group	Dyn5	Insulation Level	HV LV
HV Winding	Aluminium	AC Withstand Voltage	24 kV 1,1 kV
LV Winding	Aluminium	Lightning Impulse Voltage	50 kV 3 kV
No-Load Losses [W]	1980 + 15 %	Short-Circuit Withstand Duration	125 kV -
Load Losses [W]	23000 + 10 %	No-Load Current	2 s
Total Losses [W]	27577 + 0 %	Peak Efficiency Index	2 ± 30 %
Impedance [%]	6 ± 10 %		-

Mechanical Specifications

Tank Type	Corrugated Wall Type	Expansion Tank	No
Cover Type	Bolted Cover	Oil Type IEC 60296	Mineral Oil
Insulation Class	Class A	Sound Level (LWA) [dB]	-
Colour	RAL 7033		
Corrosion Level	C4-L	Last painting without galvanizing.	

Transformer Dimensions

Transformer Weights

Length [mm]	2070 mm	Total Weight [kg]	6990 kg
Width [mm]	1190 mm	Oil Weight [kg]	1470 kg
Height [mm]	2290 mm	Active Part Weight [kg]	4340 kg

Dimensions and weights are approximate.

Accessories

HV Bushings	3 pcs	Plug-in	24 kV 250 A Type A
LV Bushings	4 pcs	Porcelain	1 kV 3150 A (4 Hole)
Thermometer Pocket	1 pcs		
Wheels	0 pcs		
LV Flags	4 pcs		
Lifting Lugs	2 pcs		
Name Plate	2 pcs		
Earthing Terminals	2 pcs		
Drain Valve	1 pcs		
Oil filling Pipe	1 psc		
Lashing Eyes	4 pcs		
Tap Changer	2 psc		
Multifunctional Protection Relay	1 pcs		
Pressure Relief Device	1 pcs		
Anti Vibration Pad	1 pcs		
PT 100	1 pcs		
Electrostatic Shield	1 pcs		

Notes:

Losses are according to Tier-2 ;The garanteed Load loss and short circuit impedance are valid for highest voltage; The turn ratio tolerances might greater than ±%0.5 in some taps.