

Technical Data Sheet

A. Technical Characteristics

1	Type	:	2500 / 20 - 0,41	
2	Rated Power	:	2500	kVA
3	No-load Voltages	:	20 - 0,41	kV
4	Frequency	:	50	Hz
5	Vector Group	:	Dyn11	
6	Voltage Regulation (at HV Side)	:	+2x %2,5 -2 x %2,5	Off-load
7	No-load Losses	:	1,575	kW
8	Load Losses (at 75 °C & Nominal Pos.)	:	18,5	kW
9	Short-circuit Impedance (at 75 °C & Nominal Pos.)	:	6	%
10	Short Circuit Withstand Duration	:	2	s
11	Duty	:	Continuous	
12	Design Ambient Temperatures (Min./Max.)	:	-25 / 40	°C
13	Temperature Rises (Oil/Winding)	:	60 / 65	K
14	Operational Altitude	:	≤ 1000	m
15	Cooling Type	:	ONAN	
16	Applicable Standard	:	IEC 60076	
17	Winding Material	:	Aluminum-Aluminum	
18	Type of Insulating Liquid Mineral Oil	:	Shell Diala S4 ZX-I or equivalent	
19	Type of Oil Preservation System	:	Hermetical Sealed Type	
20	Type of Tank Construction	:	Corrugated Wall	
21	Surface Protection	:	Standard Paint, RAL 7033	
22	Underbase Construction	:	With Wheels	

Note: 1.No-load losses are guaranteed at 1.0Un and short-circuit losses are guaranteed at nominal tap and rated power.

2.All tolerances are according to IEC 60076.

B. Insulation Levels

	Um (kV)		Rated Lightning Impulse Withstand Voltage (kV, 1.2μs)	Rated Power Frequency Withstand Voltage (kV, 1min 50Hz)
1	HV	24	125	50
2	LV	1,1	-	3
3		-	-	-
4				

C. Bushings/Terminals

	Type	Termination
1	HV	24 Kv 250 A Plug-In
2	LV & LV-N	1kv 4000A Busbar Bushing
3		
4	LV-N	-

Note:

D. Dimensions

	Total (mm)	Transport (mm)
1	Length	2170
2	Width	1370
3	Height	2220
4	Roller Space	1070
5	Rail Space	-

E. Weights

1	Total Weight	:	6260	kg
2	Oil Weight	:	1250	kg
3	Active Part	:	3950	kg
4	Transport Weight	:	6260	kg

Note: All Weights and dimensions are approximate values.

Accessories & Protection Devices :

Hermetic relay, Pressure Valve
Oil filling valve, Oil drain and sampling valve,