

Technical Data Sheet

A. Technical Characteristics

1	Type	:	100 / 20 - 0,41	
2	Rated Power	:	100	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	:	0,13	kW
8	Load Losses (at 75 °C & Nominal Pos.)	:	1,25	kW
9	Short-circuit Impedance (at 75 °C & Nominal Pos.)	:	4	%
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	1 Kv 1250A Busbar
3		
4	LV-N	-

Note:

D. Dimensions

	Total (mm)	Transport (mm)
1	Length	1110
2	Width	880
3	Height	1450
4	Roller Space	520
5	Rail Space	-

E. Weights

1	Total Weight	1090	kg
2	Oil Weight	205	kg
3	Active Part	630	kg
4	Transport Weight	1090	kg

Note: All Weights and dimensions are approximate values.

Accessories & Protection Devices :

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