

Technical Data Sheet

A. Technical Characteristics

1	Type	:	250-20-0,41	
2	Rated Power	:	250	kVA
3	No-load Voltages	:	20-0,41	kV
4	Frequency	:	50	Hz
5	Vector Group	:	Dyn11	
6	Voltage Regulation (at HV Side)	:	-2x2,5% ; +2x2,5%	Off-load
7	No-load Losses	:	0,36	kW
8	Load Losses (at 75 °C & Nominal Pos.)	:	2,75	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	:	-25 / 40	°C
13	Temperature Rises (Oil/Winding)	:	60 / 65	K
14	Operational Altitude	:	≤ 1000	m
15	Cooling Type	:	ONAN	
16	Applicable	:	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	:	Hermetical Sealed Type	
20	Type of Tank Construction	:	Corrugated Wall	
21	Surface Protection	:	Standard Paint, RAL 7033	
22	Underbase Construction	:	Flat Underbase	

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

2.All tolerances are according to IEC 60076.

3.Sound Level ≤ 50 (LWA)

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 Plug- In	without cable box
2 LV & LV-N	1 N 630	without cable box
3		
4 LV-N	-	-

Note:

D. Dimensions

	Total (mm)	Transport (mm)
1 Length	1140	1140
2 Width	940	940
3 Height	1470	1470
4 Roller Space	520	520
5 Rail Space	-	-

E. Weights

1	Total Weight	:	1280	kg
2	Oil Weight	:	260	kg
3	Active Part	:	770	kg
4	Transport Weight	:	1280	kg

Note: All Weights and dimensions are approximate values.

Accessories & Protection Devices :

- Oil filling valve, Oil drain and sampling valve,
- Pressure Valve
- Hermetic Relay(DMCR)