

Technical Data Sheet

A. Technical Characteristics

1	Type	:	1000/20-0,4	
2	Rated Power	:	1000	kVA
3	No-load Voltages	:	20 / 0,4	kV
4	Frequency	:	50	Hz
5	Vector Group	:	Dyn11	
6	Voltage Regulation (at HV Side)	:	-2x %2,5 +2x %2,5	Off-load
7	No-load Losses	:	0,693	kW
8	Load Losses (at 75 °C & Nominal Pos.)	:	7,6	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	:	-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 :	:	NYNAS NYTRO 4000X	
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	:	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 PLUG- IN 1 N 2000	without cable box
2	LV & LV-N		without cable box
3			
4	LV-N	-	-

Note:

D. Dimensions

		Total (mm)	Transport (mm)
1	Length :	1540	1540
2	Width :	1110	1110
3	Height :	2000	2000
4	Roller Space :	820	820
5	Rail Space :	-	-

E. Weights

1	Total Weight	:	3300	kg
2	Oil Weight	:	630	kg
3	Active Part	:	2100	kg
4	Transport Weight	:	3300	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