

Technical Data Sheet

A. Technical Characteristics

1	Type	:	DT 800/20-0,41	
2	Rated Power	:	800	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	:	0,585	kW
8	Load Losses (at 75 °C & Nominal Pos.)	:	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 (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.According to Tier 2 standard and IEC tolerances.((Ao:+15%)(Ak:+10%)(Uk:±10%)

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 N 1250 (Busbar Bushing)
3		
4	LV-N	-

Note:

D. Dimensions

	Total (mm)	Transport (mm)
1	Length	1490
2	Width	1140
3	Height	2180
4	Roller Space	-
5	Rail Space	

E. Weights

1	Total Weight	3120	kg
2	Oil Weight	690	kg
3	Active Part	1860	kg
4	Transport Weight	3120	kg

Note: All Weights and dimensions are approximate values.

Accessories & Protection Devices :

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