

A. Technical Characteristics

1	Type	:	DT 160/20-15-0,41	
2	Rated Power	:	160	kVA
3	No-load Voltages	:	20-15-0,41	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 (Po)	:	0,189	kW
8	Load Losses (at 75 °C & Nominal Pos.) (Pk)	:	1,75	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 (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 :	Nynas Taurus 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 EU-548/2014 Tier 2 standard .((Po:+15%)(Pk:+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	Without Cable Box
2	LV & LV-N	:	1 N 1250 A Busbar Bushing	With Cable Box
3		:		
4	LV-N	:	-	-

Note:

D. Dimensions

			Total (mm)	Transport (mm)
1	Length	:	1160	1160
2	Width	:	920	920
3	Height	:	1620	1620
4	Roller Space	:	520	-
5	Rail Space	:		

E. Weights

1	Total Weight	:	1350	kg
2	Oil Weight	:	360	kg
3	Active Part	:	720	kg
4	Transport Weight	:	1350	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,