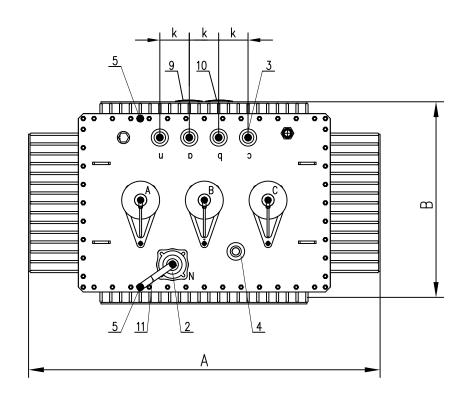
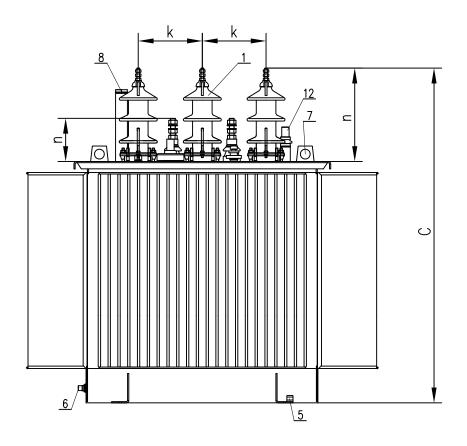


Three-phase oil-immersed hermetically sealed transformer and shunt reactor with Petersen coil capability within the same tank 200kVA+178kVAr, 20.5/0.41kV+20.5kV, Dyn11+YN





- 1. H.V. DIN-Bushings
- 2. H.V. neutral Plug-in bushing
- 3. L.V. DIN-Bushings
- 4. Reactor's tap changer
- 5. Earthing terminal
- 6. Oil drain valve
- 7. Lifting lugs
- 8. Filling tube
- 9. Diagram plate
- 10. Rated plate
- 11. Neutral to earthing terminal
- 12. Oil level indicator

	А	В	С	k		n		Mass(kg)	
				H.V.	L.V.	H.V.	L.V.	Oil	Total
	1510	1110	1310	275	120	385	178	580	2320

SHR-T 8/200-20,5



Three-phase oil-immersed hermetically sealed transformer and shunt reactor with Petersen coil capability 200kVA+178kVAr, 20,5/0.41kV+20,5kV, Dyn11+YN

TECHNICAL DATA

1.	Manufacturer		KKM Power d.o.o, Serbia						
2.	Product type		Oil-immersed, hermetically sealed						
3.	3. Product kind		Distribution transformer and shunt reactor with Petersen coil capability within the same tank						
4.	4. Standard		IEC 60076 group of standards						
5.	Product name		SHR-T 8/200-20,5						
		Transfo	rmer data						
6.	Rated power	[kVA]		2	00				
7.	Number of phases		3						
8.	Rated frequency	[Hz]	50						
9.	Highest voltage of equipement	[kV]	24						
10.	Insulation level	[kV]	LI 125 AC 50/ LI 0 AC 10						
11.	Rated primary voltage	[kV]	20.5						
12.	Rated secondary voltage	[kV]	0.41						
13.	Connection symbol		Dyn11						
14.	14. Short circuit impedance		4						
	Shunt reactor data								
15.	Type of shunt reactor		A bank of three single-phase reactors coupled in YN vector group				ıpled in		
16.	Number of phases		3						
17.	Rated frequency	[Hz]	50						
18.	Highest voltage of equipement	[kV]	24						
19.	Insulation level	[kV]	LI 125 AC 50						
20.	Rated voltage	[kV]	20.5/√3						
21.	21. Maximum operating voltage		20.5						
22.	Tap changer position		1	2	3	4	5		
23.	Rated power	[kVAr]	59	89	118	148	178		
24.	Rated current	[A]	1.67	2.5	3.33	4.15	5		
25.	Rated fault current	[A]	5	7.5	10	12.5	15		
26.	Rated reactance	[Ω/phase]	7088	4735	3555	2852	2367		
27.	Zero-sequence reactance	[Ω/phase]	7088	4735	3555	2852	2367		



Three-phase oil-immersed hermetically sealed transformer and shunt reactor with Petersen coil capability 200kVA+178kVAr, 20,5/0.41kV+20,5kV, Dyn11+YN

28.	Rated fault duration	[h]	2				
29.	9. R/X ratio at 75°C		<1.25				
Temperature rises, conditions of use and installation							
30.	Total losses at 75°C (at rated transformer load and tap position 5 of reactor-15A fault current)	[W]	5850				
31.	Type of cooling		ONAN				
32.	Instalation altitude	[m]	<1000				
33.	Maximum temperature of ambient		40				
34.	Maximum temperature rise of winding	[K]	65				
35.	Maximum temperature rise of oil	[K]	60				
36.	Thermal class of insulation		\mathbf{A}				
37.	Instalation conditions		Outdoor/Indoor				
Approximate dimensions and masses							
38.	Approximate length of product	[mm]	1510				
39.	Approximate width of product	[mm]	1110				
40.	Approximate height of product	[mm]	1310				
41.	Mass of oil in product	[kg]	580				
42.	Total mass of product	[kg]	2320				
Accessories							
43.	HV porcelain bushing		DIN 42531 (24kV, 250A)				
44.	4. HV plug-in neutral bushing		EN 50180 (24kV, 250A)				
45.	LV porcelain bushing		DIN 42530 (1kV, 630A)				
46.	46. Reactor tap changer		Standard				
47.	47. Oil drain valve		Standard				
48. Oil level indicator			Standard, vertical, for hermetically sealed tanks				