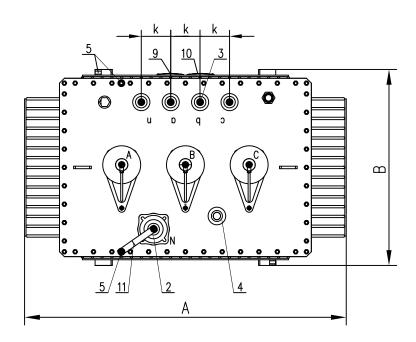
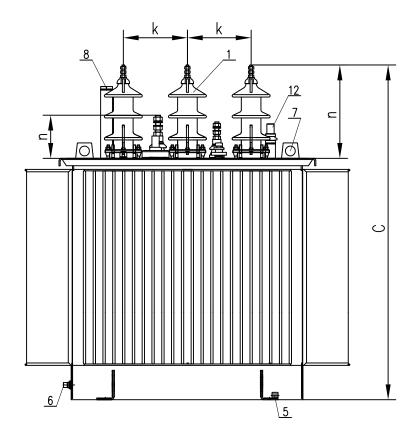


Three-phase oil-immersed hermetically sealed transformer and shunt reactor with Petersen coil capability within the same tank 100kVA+178kVAr, 20.5/0.41kV+20.5kV, Dyn11+YN





- 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
1410	990	1310	275	100	385	135	490	1970

SHR-T 8/100-20,5



Three phase oil-immersed hermetically sealed distribution transformer and shunt reactor with Peterson coil capability 100KVA + 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					
			Distribution transformer and shunt reactor					
3	Product kind	with Pe	terson coil c	apability	y within t	the		
		same tank						
4	Standard			IEC 60076-6				
5	Product name			SHR-T 8/100 -20,5				
	Transformer data							
6	Rated power [kVA]		100					
7	Number of phases		3					
8	Rated frequency [Hz]		50					
9	Highest voltage of equipment [kV]		24					
10	nsulation level [kV]		LI 125 AC 50 /LI 0 AC 10					
11	Rated primary voltage	[kV]	20.5					
12	Regulation on primary side	Yes/No	No					
13	Rated secondary voltage	[kV]	0.41					
14	Connection group		Dyn11					
15	Short circuit impedance 75°C		4					
	Shunt reactor data							
16	Type of shunt reactor		A bank of three single phase reactors coupled in YN vector group					
17	Number of phases		3					
18	Rated frequency [Hz]		50					
19	Highest voltage of equipment [k		24					
20	Insulation level [kV]		LI 125 AC 50					
21	Rated voltage [kV]		20.5/√3					
22	Maximum operating voltage	[kV]	20.5					
	Tap changer position		1	2	3	4	5	
	Rated Power	[kVAr]	59	89	118	148	178	
23	Rated Current	[A]	1.67	2.5	3.33	4.15	5	
	Rated fault current	[A]	5	7.5	10	12.5	15	
	Rated reactance $[\Omega/pha]$		7088	4735	3555	2852	2367	
	Zero-sequence reactance	[Ω/phase]	7088	4735	3555	2852	2367	
24	Rated fault duration	[h]	2					
25	$R_0/X_0$ ratio at 75°C	[%]	< 1.25					

Temperature rises, conditions of use and installation					
26	transformer load and tap position 5 of reactor 15A fault	[W]	4500		
27	Type of cooling		ONAN		
28	Installation altitude	[m]	<1000		
29	Maximum temperature of ambier	[°C]	40		
30	Maximum temperature rise of wir	[°C]	65		
31	Maximum temperature rise of oil	[°C]	60		
32	Thermal class of insulation		A		
33	Installation conditions		Outdoor		
Approximate dimensions and masses					
34	Approximate length of product	[mm]	1410		
35	Approximate width of product	[mm]	990		
36	Approximate heigth of product	[mm]	1310		
37	Mass of oil in product	[kg]	490		
38	38 Total mass of product		1970		
Accessories					
1	HV Bushing ADIN Bushing 42531	P			

24 kV; 250A

1 kV; 250A

Oil level indic Standard, vertical for hermetically sealed tanks

HV Bushing Plug in Bushing

Reactor tap cl Standard

Oil Drain val Standard

3

4

5

6

LV Bushing A DIN Bushing 42530