



ENERGOREMONT PRODUCTS

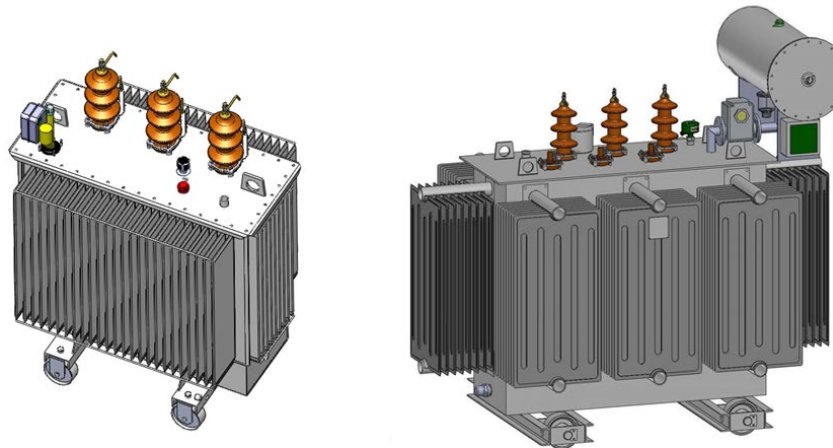
SSHR – STANDARD THREE PHASE SHUNT REACTOR

Standard Shunt Reactor is globally defined by IEC 60076-6 standard.

It is used for compensation of capacitive energy of network and has no connection between neutral point and ground

Function - power factor correction in power lines

There is possibility to choose more different current compensation values



Adjustable power compensation 1: 3

Rated reactive Power (kVAr): **up to 3000**

Rated Voltage (kV): **10; 20; 20,5**

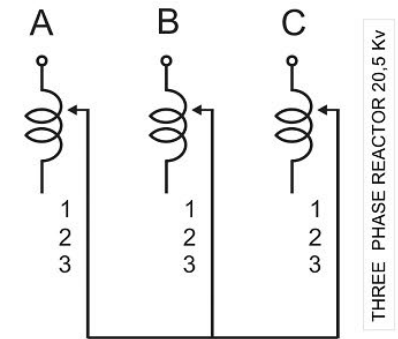
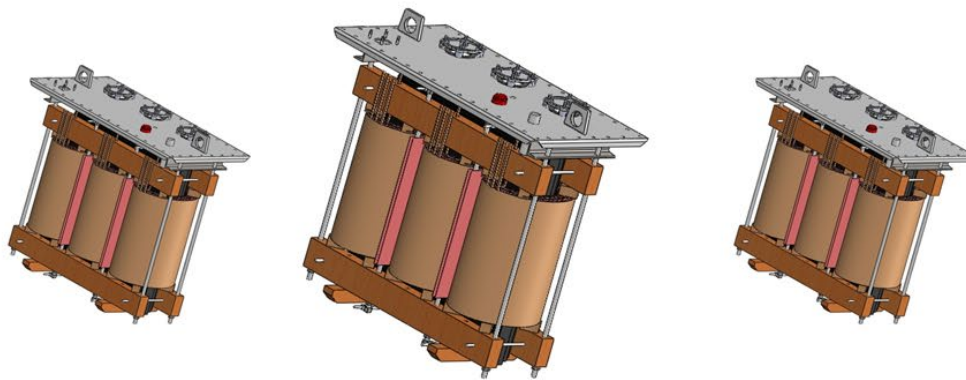
Highest voltage level of equipment (kV): **12; 24**

Terminations

a) Open type bushings (standard solution)

b) Plug-in type bushings (optional solution)

Accordance with EN 50180, EN 50386, EN 5038



TECHNICAL DATA

TYPE		SSHR 400-20	SSHR 600-20	SSHR 800-20,5	SSHR 3000-20,5
1	Reactor type	Oil-immersed			
2	Reactor kind	Shunt reactor, for compensation			
3	Standard	IEC 60076-6			
4	Rated insulating level	LI 125 AC50			
5	Highest voltage level of the [kV]	24			
6	Thermal class of insulation	A			
7	Number of phases	3			
8	Winding Connection [-]	Y			
9	Rated regulation (no-load) [%]	100% / 90% / 80% (with tap changer)			100%/66% (with double bushing)
10	Rated power [kVAr]	400/360/320	600/540/480	800/720/640	3000(2000)
11	Rated voltage [kV]	20			20.5
12	Current [A]	11.55/10.39/9.24	17.32/15.59/13.86	23,09/20,78/18,48	84.5/56.3
13	Impedance per phase [Ω]	1000/1111/1250	667/741/833	500/556/625	140/210
14	MAX Total losses at 75 °C [W]	3860	5480	5950	19000
15	No-load losses [W]	560/520/475	730/650/575	950/875/775	3000/15000
16	Load losses at 75 °C [W]	3300/2900/2500	4750/4250/3650	5000/4750/4259	16000/10000
17	Max. Temp. rise of winding [K]	65			
18	Max. Temp. rise of oil [K]	60			
19	Cooling	ONAN			
20	Lowest operating temp. [°C]	- 40			
21	Approx. dimensions max.				
	a) length [mm]	1109	1180	1200	2380
	b) width [mm]	750	840	840	1390
	c) height [mm]	1459	1489	1610	2256
22	Approx. mass of oil [kg]	230	300	350	900
23	Approx. total mass [kg]	1100	1400	1700	4900