TRANSFORMER

OIL TRANSFORMER 10kV / 20kV / 30kV

SKS oil-immersed transformers deliver reliable and efficient power distribution for demanding applications. The portfolio includes 10, 20 and 30 kV models with rated outputs from 400 to 5,000 kVA. Manufactured in accordance with IEC 60076, the three-phase transformers feature robust ONAN cooling. Multiple secondary voltages and five tap positions provide flexibility for various grid requirements. High efficiency, low operating losses and durable construction ensure economical long-term operation.



RELIABLE POWER. ENGINEERED BY SKS.

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Illustration only

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Mode	Oil-Type Transformer Technical Parameters
Frequency	50 Hz
Number of Phases	3
Maximum Ambient Temperature	40 °C
Vector Group	Dyn11
Cooling Method	ONAN
Installation height	1.000 m
Conductor Material	Aluminium
Taps	No-Load Voltage Regulation, 5 Tap Positions ±2×2.5%
Insulation class	Class A
Manufacturing Standard	S13 IEC60076 Tolerance ±15%

10KV - 0.4KV /0.69KV/0.8KV

Capacity (KVA)	No-load losses(w)	Load losses(w)	Total losses(W)	Measurement (L*W*H mm)	Weight (kg)	Short-circuit voltage (%)	Efficiency Cos PHI=1 (%)	Efficiency Cos PHI=0.8(%)	Sound level (db)
400	410	4.520	4.930	1290*880*1250	1.200	4%	0.9650	0.9570	58
630	570	6.200	6.770	1400*900*1300	1.550	4,5%	0.9655	0.9573	58
800	700	7.500	8.200	1400*1000*1550	1.900	4.5%	0.9653	0.9579	60
1.000	830	10.300	11.130	1650*1130*1630	2.140	4.5%	0.9657	0.9578	60
1.250	970	12.000	12.970	1670*1140*1680	2.500	4.5%	0.9651	0.9572	63
1.600	1.170	14.500	15.670	1700*1140*1750	2.980	5%	0.9654	0.9575	63
2.000	1.360	18.300	19.660	1880*1300*1830	3.570	5%	0.9650	0.9577	63
2.500	1.600	21.200	22.800	1920*1300*1990	4.520	5%	0.9656	0.9574	65
3.150	2.180	25.200	27.380	2130*1460*2370	5.300	5%	0.9659	0.9570	66
3.500	2.060	27.300	29.360	2250*1480*2380	6.500	5%	0.9658	0.9576	67
4.000	3.330	30.160	33.490	1750*3050*2650	7.300	5%	0.9652	0.9571	67
5.000	2.700	36.000	38.700	2440*1600*2690	8.200	5%	0.9658	0.9578	68

20KV - 0.4KV /0.69KV/0.8KV

400	650	5.500	6.150	1350*750*1200	1.500	5.5%	0,9650	0,9570	58
630	810	6.820	7.630	1490*870*1420	1.900	5.5%	0,9655	0,9573	58
800	980	8.250	9.230	1610*970*1555	2.200	5.5%	0,9653	0,9579	60
1.000	1.150	11.330	12.480	1690*1080*1555	2.600	5.5%	0,9657	0,9578	60
1.250	1.360	13.200	14.560	1770*1130*1705	3.100	5.5%	0,9651	0,9572	63
1.600	1.640	15.950	17.590	1860*1230*1730	3.600	5.5%	0,9654	0,9575	63
2.000	2.050	19.140	21.190	2010*1335*1820	4.350	5.5%	0,9650	0,9577	63
2.500	2.200	21.000	23.200	2030*1290*1970	5.010	5.5%	0,9656	0,9574	65
3.150	2.400	22.220	24.620	2070*1350*2100	5.900	5.5%	0,9659	0,9570	66
3.500	2.650	23.900	26.550	2100*1380*2200	6.580	5.5%	0,9658	0,9576	67
4.000	2.900	25.900	28.800	2200*1435*2260	7.080	5.5%	0,9652	0,9571	67
5.000	3.500	29.700	33.200	2355*1600*2850	8.980	5.5%	0,9658	0,9578	68

30KV - 0.4KV /0.69KV/0.8KV

400	470	5.740	6.210	1630*1960*1700	1.850	6.5%	0.9650	0.9570	58
630	670	7.860	8.530	1680*1000*1800	2.300	6.5%	0.9655	0.9573	58
800	780	9.400	10.180	1720*1030*1900	2.530	6.5%	0.9653	0.9579	60
1.000	920	11.500	12.240	1900*1160*1950	3.200	6.5%	0.9657	0.9578	60
1.250	1.120	13.900	15.020	1970*1270*1930	3.500	6.5%	0.9651	0.9572	63
1.600	1.350	16.600	17.950	2090*1330*1990	4.150	6.5%	0.9654	0.9575	63
2.000	1.600	19.700	21.300	2300*1500*2050	5.050	6.5%	0.9650	0.9577	63
2.500	1.900	23.200	25.100	2400*1560*2260	5.800	6.5%	0.9656	0.9574	65
3.150	2.400	21.900	24.300	2260*1370*2550	6.510	7%	0.9659	0.9570	66
3.500	2.450	29.900	32.350	2450*1550*2570	7.120	7%	0.9658	0.9576	67
4.000	3.600	30.240	33.840	2350*1550*2880	7.610	7%	0.9652	0.9571	67
5.000	4.000	39.000	43.000	2700*1870*2730	9.500	8%	0.9658	0.9578	68

Note: Actual dimensions and weight may vary slightly. Please refer to the delivered product.

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