

# Technical Data for PCB Free

RATED POWER (kVA)	NO LOSS (W)	FULL LOAD LOSS (W)	IMPEDANCE (%)	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	OIL VOLUME (L)	TOTAL MASS (kg)
<b>11 000/240 VOLT SINGLE PHASE</b>								
16	80	400	4.5	700	580	700	48	155
25	110	530	4.5	765	632	764	56	176
<b>22 000/240 VOLT SINGLE PHASE</b>								
16	100	400	4.5	800	580	739	48	175
25	140	530	4.5	765	632	799	56	192
<b>6 600/420 VOLT THREE PHASE</b>								
25	120	570	4.5	950	730	670	100	280
50	180	1000	4.5	1000	750	770	150	470
100	300	1700	4.5	1253	1000	850	196	535
200	520	2700	4.5	1587	1100	910	290	1070
315	720	3800	4.5	1689	1268	900	320	1280
400	910	4500	4.5	1639	1618	900	400	1400
500	1100	5400	5	1844	1618	900	495	1700
630	1300	6400	5	1950	1800	1600	495	1900
800	1600	8000	5	2122	1953	1567	612	2250
1000	1900	9500	5	2100	2103	1600	700	2900
1250	2250	11000	5	2450	2100	1600	661	3100
1600	2750	13500	6.5	2714	2100	1600	661	3350
2000	3250	16000	8	3146	2400	1800	930	4150
2500	3800	22500	9	3546	2400	1900	1030	4975
3150	4500	26500	9	3900	2400	1900	1200	5700
<b>11 000/420 VOLT THREE PHASE</b>								
25	120	570	3.6	959	739	688	113	390
50	180	1000	4.5	986	787	786	153	430
100	300	1700	4.5	1262	840	710	196	605
200	520	2700	4.5	1460	901	816	290	800
315	720	3800	4.5	1545	1125	835	380	1660
400	910	4500	4.5	1639	1618	900	400	1476
500	1100	5400	5	1652	1102	932	495	1770
630	1300	6400	5	1950	1800	1600	495	1946
800	1600	8000	5	2122	1953	1567	612	2305
1000	1900	9500	5	2100	2103	1600	700	3030
1250	2300	11000	5	2450	2100	1600	661	3183
1600	2750	13500	6.5	2714	2100	1600	661	3400
2000	3250	16000	8	3146	2400	1800	930	4200
2500	3800	22000	9	3545	2400	1900	1030	4975
3150	4500	26500	9	3900	2400	1900	1200	5700

# Mineral Oil Filled Transformers

RATED POWER (kVA)	NO LOSS (W)	FULL LOAD LOSS (W)	IMPEDANCE (%)	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	OIL VOLUME (L)	TOTAL MASS (kg)
<b>22 000/420 VOLT THREE PHASE</b>								
25	150	570	3.6	906	905	652	98	340
50	220	1000	3.5	1010	905	786	159	475
100	360	1700	4.5	1222	958	710	119	590
200	600	2700	4.5	1500	1050	810	296	860
315	840	3800	4.5	1685	1220	831	445	1420
400	990	4500	4.5	2004	1615	900	495	2088
500	1180	5400	5	1862	1200	921	495	1700
630	1400	6400	5	2513	2160	1780	645	2650
800	1650	8000	5	2513	2160	1780	645	2650
1000	1950	9500	5	2513	2160	1780	645	2760
1250	2300	11000	5	2784	2100	1840	1000	3700
1600	2770	13500	5.75	2784	2100	1840	1316	4340
2000	3250	16000	8	2976	2100	1865	1540	5150
2500	3800	22800	9	3146	2400	1900	1800	5900
3150	4500	26500	9	3900	2400	1900	2000	6700
5000	6600	37000	9	3610	1715	2450	3131	7900
<b>33 000/420 VOLT THREE PHASE</b>								
25	170	570	4.5	1000	1100	1050	160	370
50	170	1000	4.5	1036	1183	1081	248	546
100	400	1700	4.5	1263	1430	1101	315	915
200	650	2700	4.5	1554	1482	1226	445	1310
315	890	3800	4.5	1850	1300	1400	486	1500
400	1040	4500	4.5	2100	1700	1400	491	1900
500	1230	5400	5	2100	1700	1372	495	2088
630	1450	6400	5	2600	1700	1550	651	2408
800	1700	8000	5	2513	2160	1700	930	3420
1000	2000	9500	5	2513	2160	1700	930	3420
1250	2350	11000	5	2800	2400	2000	1100	3900
1600	2820	13500	6.5	3100	2400	2000	1200	4500
2000	3300	19300	8	3500	2400	2000	1600	5100
2500	3800	22800	9	3900	2400	2100	2000	6100
3150	4500	26500	9	4300	2400	2100	2300	7000
5000	7000	37000	9	3700	1800	2550	3300	8200

1. Information provided is for guidance purposes only and is subject to change with product improvements and customer specifications.
2. Dimensions to be confirmed when ordering units.
3. Other voltages, vector groups, impedances, SWER and dual ratio transformers are available on request.
4. Welding specifications AWS D1.1/1.1M:2002.