

ETEL TRANSFORMERS ELECTRICAL CHARACTERISTICS

ELECTRICAL CHARACTERISTICS FOR STANDARD 11KV TRANSFORMER DESIGNS



POWER RATING	PHASE	RATED PRIMARY VOLTAGE HV	RATED SECONDARY VOLTAGE LV	VECTOR GROUP	INSULATION LEVEL BIL/PF	NO LOAD LOSS	LOAD LOSS	IMPEDANCE (Z)	REACTANCE (X)	RESISTANCE (R)	EFFICIENCY @ 50% LOAD (MEPS)	EFFICIENCY @ 100% LOAD	NOISE LEVEL AS PER AS/NZS60076.10	APPROX. OIL QUANTITY		
														kVA	VOLTS	VOLTS
1	1	11000	240	N/A	95 / 28	10	23	3.0	1.7	2.4	96.95	96.81	<56	20	x	x
10	1	11000	480 - 240	N/A	95 / 28	39	154	3.3	2.9	1.6	98.47	98.11	<56	48	x	x
15	1	11000	480 - 240	N/A	95 / 28	40	290	3.8	3.3	1.9	98.52	97.85	<56	45	170	x
30	1	11000	480 - 240	N/A	95 / 28	64	475	5.0	4.7	1.6	98.80	98.24	<56	57	156	x
50	1	11000	480 - 240	N/A	95 / 28	100	620	5.0	4.8	1.2	98.99	98.58	<56	100	154	x
15	3	11000	415 - 240	DYN11	95 / 28	50	325	3.8	3.0	2.2	98.28	97.56	<56	80	150	x
30	3	11000	415 - 240	DYN11	95 / 28	80	620	4.0	3.5	2.1	98.46	97.72	<56	111	140	x
50	3	11000	415 - 240	DYN11	95 / 28	130	850	4.0	3.7	1.7	98.65	98.08	<56	155	115	205
75	3	11000	415 - 240	DYN11	95 / 28	160	1310	4.3	3.9	1.7	98.72	98.08	<56	177	350	220
100	3	11000	415 - 240	DYN11	95 / 28	225	1480	4.3	4.1	1.5	98.82	98.32	<56	240	330	315
150	3	11000	415 - 240	DYN11	95 / 28	300	2140	4.8	4.6	1.4	98.90	98.40	<56	305	x	330
200	3	11000	415 - 240	DYN11	95 / 28	370	2525	4.8	4.7	1.3	99.01	98.57	56	310	x	355
300	3	11000	415 - 240	DYN11	95 / 28	630	3050	4.5	4.3	1.1	99.08	98.79	58.5	457	x	400
500	3	11000	415 - 240	DYN11	95 / 28	690	5035	5.0	4.9	1.0	99.23	98.87	61.5	x	x	465
750	3	11000	415 - 240	DYN11	95 / 28	950	7760	5.2	5.0	1.0	99.24	98.85	64	x	x	730
1000	3	11000	415 - 240	DYN11	95 / 28	1125	9470	5.3	5.1	1.0	99.31	98.95	66	x	x	700
1500	3	11000	415 - 240	DYN11	95 / 28	1705	11750	5.8	5.5	0.8	99.38	99.11	68.5	x	x	1230