Aluminum-Wound Transformer Technical Data

					Losses in Watts		Efficiency (Trise+20°)				% Regulation					Sound	TP1	
Style	Wrg Diag	kVA	Frame	Weight	No Load	Total @ Rise + 20	25%	50%	75%	Full Load	100% PF	80% PF	%Imp Trise+20	X Trise+20	R Trise+20	Level dB	Eficiency	Rise
DS-3 150C RISE																		
T20P11S15EE	3XA	15	816	246	80	548.85	97.57	97.64	97.18	96.58	2.04	2.87	4.31	2.97	3.13	45	97.7	150
T20P11S25EE	3XA	25	818	359	300	847.94	97.72	98.08	97.87	97.51	1.43	2.68	3.52	2.75	2.19	45	98	150
T20P11S37EE	3XA	37.5	818	374	125	1313.7	98.07	97.82	97.23	96.58	2.15	4.60	5.75	4.80	3.17	45	98.2	150
T20P11S50EE	3XA	50	819	555	300	1667.51	98.22	98.05	97.59	97.04	1.88	3.99	5.13	4.34	2.74	45	98.3	150
T20P11S75EE	3XA	75	820	740	170	2266.42	98.4	98.2	97.6	97	2.30	5.32	6.93	6.34	2.80	50	98.5	150
T20P11S99EE	3XA	100	821	841	260	2542.97	98.5	98.41	98.02	97.55	1.89	4.68	6.08	5.64	2.28	50	98.6	150
T48M11S67EE	288A	167	814	1610	900	3987.3	68.68	98.66	98.35	97.97	1.41	6.80	9.71	9.53	1.85	55	98.7	150
DS-3 115C RISE																		
T20P11F15EE	3XA	15	816	246	80	519.2	97.76	97.79	97.34	96.76	2.08	3.15	3.94	2.64	2.93	45	97.7	115
T20P11F25EE	3XA	25	818	373	300	766.36	97.74	98.14	98	97.72	1.35	2.83	3.33	2.76	1.87	45	98	115
T20P11F37EE	3XA	37.5	818	380	125	1182.31	98.18	98.35	98.12	97.8	2.04	3.13	4.07	2.94	2.82	45	98.2	115
T20P11F50EE	3XA	50	819	590	300	417.49	98.35	98.29	97.89	97.41	1.76	4.10	5.18	5.17	0.23	45	98.3	115
T20P11F75EE	3XA	75	820	691	170	2193	98.48	98.23	97.7	97.11	2.35	5.42	6.8	6.24	2.70	50	98.5	115
T20P11F99EE	3XA	100	821	844	260	2344.13	98.43	98.46	98.14	97.73	1.80	4.51	5.56	5.15	2.08	50	98.6	115
DS-3 80C RISE																		
T20P11B15EE	3XA	15	818	360	115	268.77	97.36	98.29	98.44	98.38	0.82	1.69	2.04	1.76	1.03	45	97.7	80
T20P11B25EE	3XA	25	818	370	120	580.3	97.75	98.19	98.04	97.75	1.47	3.22	3.9	3.44	1.84	45	98	80
T20P11B37EE	3XA	37.5	819	565	150	833.79	98.14	98.35	98.12	97.8	1.48	3.35	4.07	3.64	1.82	45	98.2	80
T20P11B50EE	3XA	50	820	680	175	1013.55	98.36	98.5	98.35	98.05	1.54	3.44	4.22	3.87	1.68	45	98.3	80
T20P11B75EE	3XA	75	821	900	260	1386.96	98.31	98.6	98.45	98.19	1.39	3.47	4.31	4.04	1.50	50	98.5	80
T48M11B99EE	288A	100	814	1200													98.6	80
DT-3 150C RISE																		
V48M28T15EE	280B	15	912B	204	95	767.52	96.64	96.69	96.02	95.17	4.78		4.8	1.71	4.48	45	97	150
V48M28T30EE	280B	30	912B	291	165	1206.7	97.23	97.33	96.88	96.19	3.67	5.56	4.58	2.99	3.47	45	97.5	150
V48M28T37EE	280B	37.5	912B	381	210	1427.76	97.53	97.54	97.04	96.44	3.49	5.55	4.49	3.10	3.25	45	97.7	150
V48M28T45EE	280B	45	912B	351	210	1852.8	97.5	97.41	96.8	96.1	3.90	6.39	5.19	3.69	3.65	45	97.7	150
V48M28T50EE	280B	50	914D	531	270	1316.24	97.68	98.07	97.86	97.51	2.24	4.03	3.22	2.45	2.09	45	98	150
V48M28T75EE	280B	75	914D	553	300	2930.42	97.88	97.66	97.03	96.31	3.62	6.43	5.19	3.83	3.51	50	98	150
V48M28T12EE	280B	112.5	916A	793	400	3693.38	98.04	97.96	97.46	96.86	3.16	7.46	6.01	5.25	2.93	50	98.2	150
V48M28T49EE	280B	150	916A	940	530	4319.44	98.13	98.1	97.7	97.2	2.73	5.97	4.88	4.18	2.53	50	98.3	150
V48M28T22EE	280B	225	917	1343	650	6476.2	98.38	98.24	97.78	97.24	2.84	6.26	5.07	4.36	2.59	55	98.5	150
V48M28T33EE	275A	300	923	1825	830	3810.22	98.55	98.44	98	97.52	2.75	10.82	9.42	9.37	0.99	55	98.6	150
V48M28T55EE	275A	500	919	2590	1400	9782	98.64	98.71	98.45	98.12	1.92	8.19	7.24	7.04	1.68	60	98.7	150
V48M28T77EE	275A	750	920	3340	1800	12691.7	98.8	98.86	98.65	98.37	1.78	8.88	8.01	7.88	1.45	64	98.8	150
DT-3 115C RISE																		
V48M28F15EE	280B	15	912B	202	100	742.96	96.71	96.81	96.18	95.39	4.44	3.85	4.44	1.16	4.29	45	97	115
V48M28F30EE	280B	30	912B	311	165	1491.92	97.33	97.09	96.34	95.47	4.54	4.79	4.78	1.81	4.42	45	97.5	115
V48M28F37EE	280B	37.5	912B	360														115
V48M28F45EE	280B	45	912B	418	220	1422.18	97.81	97.92	97.53	97.02	2.78	5.38	4.63	3.78	2.67	45	97.7	115
V48M28F50EE	280B	50	914D	556	270	1211.11	97.6	98.1	97.97	97.68	1.87	3.75	3.2	2.59	1.88	45	98	115
V48M28F75EE	280B	75	914D	581	300	2414.91	97.88	97.9	97.46	96.91	2.97	6.74	5.86	5.14	2.82	50	98	115
V48M28F12EE	280B	112.5	916A	829	440	3209.2	98.02	98.11	97.75	97.27	2.60	3.63	3.14	1.95	2.46	50	98.2	115
V48M28F49EE	280B	150	916A	996	530	3780.9	98.13	98.25	97.94	97.52	2.36	5.82	5.15	4.67	2.17	50	98.3	115
V48M28F22EE	280B	225	918A	1569	720	5205.31	98.35	98.43	98.1	97.76	2.23	6.78	6.17	5.84	1.99	55	98.5	115
V48M28F33EE	280B	300	923	1908	830	6925.81	98.5	98.52	98.18	97.77	2.31	5.96	5.35	4.95	2.03	55	98.6	115
V48M28F55EE	275A	500	920	3117	1650	6967.6	98.54	98.88	98.82	98.66	1.23	6.57	6.56	6.47	1.06	60	98.7	115
V48M28F77EE	275A	750	922	4884	2000	9335.47	98.85	99.06	98.97	98.81	1.28	8.70	8.98	8.93	0.98	64	98.8	115
DT-3 80C RISE																		
V48M28B15EE	280B	15	912B	276	165	551.35	96.7	97.39	97.22	96.83	3.43	3.89	3.45	2.30	2.58	45	97	80
V48M28B30EE	280B	30	912B	350	180	903.93	97.26	97.76	97.55	97.16	2.50	3.90	3.44	2.45	2.41	45	97.5	80
V48M28B37EE	280B	37.5	914D	410														80
V48M28B45EE	280B	45	914D	540	290	1026.87	97.69	98.24	98.16	97.92	1.72	3.46	3.31	2.88	1.64	45	97.7	80
V48M28B50EE	280B	50	916A	730													98	80
V48M28B75EE	280B	75	916A	810	360	1782.43	97.83	98.21	98.04	97.72	0.27	3.49	4.33	3.89	1.90	50	98	80
V48M28B12EE	280B	112.5	916A	944	470	2520.6	98.19	98.43	98.21	97.88	1.94	4.44	4.14	3.72	1.82	50	98.2	80
V48M28B49EE	280B	150	917	1438	650	2759.62	98.18	98.57	98.48	98.25	1.51	4.76	4.74	4.53	1.41	50	98.3	80
V48M28B22EE	280B	225	923	1746	830	4046.62	98.32	98.63	98.51	98.26	1.62	5.48	5.58	5.39	1.43	55	98.5	80
V48M28B33EE	275A	300	919	2400	1100	5337.55	98.56	98.98	98.98	98.89	1.64	5.91	6.07	5.90	1.41	55	98.6	80

Aluminum-Wound Transformer Technical Data

					Losses in Watts		Efficiency (Trise+20º)				% Regulation					Sound	TP1	
Style	**Wrg Diag**	kVA	Frame	Weight	No Load	Total @ Rise + 20	25%	50%	75%	Full Load	100% PF	80% PF	%Imp Trise+20	X Trise+20	R Trise+20	Level dB	Eficiency	Rise
KT-4 150C RISE																		
H48M28T30EE	283B	30	912B	311	165	1262.84	97.24	97.32	96.72	96.02	3.92	7.35	6.03	4.79	3.66	45	97.5	150
H48M28T37EE	283B	37.5	912B	370														150
H48M28T45EE	283B	45	912B	400	220	1554	97.65	97.74	97.3	96.73	3.16	5.93	4.8	3.78	2.96	45	97.7	150
H48M28T50EE	283B	50	914D	460													98	150
H48M28T75EE	283B	75	914D	547	300	2622.03	97.85	97.75	97.24	96.63	3.30	6.65	5.34	4.35	3.10	50	98	150
H48M28T12EE	283B	112.5	916A	800	440	3524.84	97.97	97.97	97.55	97	3.01	7.38	5.96	5.29	2.74	50	98.2	150
H48M28T49EE	283B	150	916A	1010	530	4054.85	98.1	98.19	97.84	97.39	2.62	6.57	5.37	4.83	2.35	50	98.3	150
H48M28T22EE	283B	225	918A	1680	700	5879	98.29	98.3	97.93	97.47	2.58	7.62	6.33	5.90	2.30	55	98.5	150
H48M28T33EE	292A	300	919	2122	1100	5895	98.44	98.62	98.42	98.13	1.94	6.82	5.9	5.68	1.60	55	98.6	150
H48M28T55EE	292A	500	920	3201	1800	7053.7	98.47	98.85	98.8	98.65	1.27	5.87	5.35	5.25	1.05	60	98.7	150
H48M28T77EE	RTP	750	RTP														98.8	150
KT-4 115C RISE																		
H48M28F15EE	283B	15	912B	307	135	394.36	96.31	97.5	97.63	97.49	1.79	2.65	2.24	1.42	1.73	45	97	115
H48M28F30EE	283B	30	912B	313	165	1344.25	97.38	97.28	96.63	95.87	4.11	5.15	4.61	2.41	3.93	45	97.5	115
H48M28F37EE	283B	37.5	912B	360														115
H48M28F45EE	283B	45	912B	400	220	1462.85	97.81	97.89	97.48	96.95	2.95	6.08	5.2	4.41	2.76	45	97.7	115
H48M28F50EE	283B	50	914D	440													98	115
H48M28F75EE	283B	75	914D	587	285	2354.67	97.88	97.93	97.5	96.97	2.92	6.68	5.92	5.24	2.76	50	98	115
H48M28F12EE	283B	112.5	916A	947	470	2909.94	97.91	98.14	97.88	97.5	2.36	5.01	4.28	3.69	2.17	50	98.2	115
H48M28F49EE	283B	150	917	1243	560	4119.2	98.14	98.19	97.82	97.38	2.51	6.55	5.73	5.22	2.37	50	98.3	115
H48M28F22EE	283B	225	918A	1680	700	5412.9	98.29	98.31	98.06	97.66	2.34	7.55	6.99	6.67	2.09	55	98.5	115
H48M28F33EE	292A	300	919	2480	1100	5734.67	98.41	98.65	98.46	98.18	1.76	6.70	6.29	6.10	1.54	55	98.6	115
H48M28F55EE	292A	500	920	3280	1800	6364.32	98.53	98.96	98.91	98.78	1.07	5.57	5.53	5.45	0.91	60	98.7	115
H48M28F77EE	RTP	750	RTP														98.8	115
KT-4 80C RISE																		
H48M28B15EE	283B	15	912B	378	165	415.74	96.42	97.57	97.7	97.56	1.71	2.92	2.54	1.91	1.67	45	97	80
H48M28B30EE	283B	30	912B	365	188	876.78	97.19	97.74	97.57	97.2	2.39	3.94	3.47	2.60	2.30	45	97.5	80
H48M28B37EE	283B	37.5	914D	440												45		80
H48M28B45EE	283B	45	914D	550	285	1055.17	97.39	98.06	98.01	97.78	1.81	3.72	3.39	2.93	1.71	45	97.7	80
H48M28B50EE	283B	50	916A	580												45	98	80
H48M28B75EE	283B	75	916A	800												50	98	80
H48M28B12EE	283B	112.5	917	1050												50	98.2	80
H48M28B49EE	283B	150	918A	1604	700	2727.52	98.04	98.52	98.46	98.27	1.45	4.45	4.46	4.25	1.35	50	98.3	80
H48M28B22EE	292A	225	919	2336	850	3728.33	98.38	98.71	98.62	98.42	1.44	5.02	5.21	5.05	1.28	55	98.5	80
H48M28B33EE	292A	300	919	2689	1100	4588.6	98.42	98.78	98.71	98.53	1.37	5.50	5.76	5.64	1.16	55	98.6	80
H48M28B55EE	RTP	500	RTP													60	98.7	80

Aluminum-Wound Transformer Technical Data

					Losses in Watts		Efficiency (Trise+20º)				% Regulation					Sound	TP1	
Style	**Wrg Diag**	kVA	Frame	Weight	No Load	Total @ Rise + 20	25%	50%	75%	Full Load	100% PF	80% PF	%Imp Trise+20	X Trise+20	R Trise+20	Level dB	Eficiency	Rise
KT-13 150C RISE																		
N48M28T15EE	283B	15	912B	271	165	604.23	96.67	97.26	96.99	96.52	3.09	4.23	3.62	2.13	2.93	45	97	150
N48M28T30EE	283B	30	912B	365	198	958.06	97.05	97.58	97.37	96.96	2.74	4.20	3.6	2.56	2.53	45	97.5	150
N48M28T37EE	283B	37.5	912B	390	200	1294.93	97.59	97.69	97.27	96.74	3.08	5.38	4.34	3.21	2.92	45	97.7	150
N48M28T75EE	283B	75	916A	812	360	2139.33	97.74	98.02	97.75	97.4	2.60	5.92	4.94	4.33	2.37	50	98	150
N48M28T12EE	283B	112.5	916A	911	450	3173.55	97.87	98.05	97.72	97.27	2.63	5.32	4.68	4.01	2.42	50	98.2	150
N48M28T49EE	283B	150	917	1221	530	4296.59	98.12	98.13	97.73	97.23	2.71	6.52	5.25	4.61	2.51	50	98.3	150
N48M28T22EE	283B	225	923	1960	830	4461.4	98.27	98.57	98.32	98.03	1.90	6.65	6.11	5.89	1.61	55	98.5	150
N48M28T33EE	292A	300	919	2358	1100	5931.04	98.41	98.62	98.44	98.16	1.94	7.20	6.26	6.05	1.61	55	98.6	150
N48M28T55EE	292A	500	922	4884	2000	5213.1	98.4	98.96	99.05	99.01	0.89	5.96	5.58	5.54	0.64	60	98.7	150
N48M28T77EE	RTP	750	RTP														98.8	150
KT-13 115C RISE																		
N48M28F15EE	283B	15	912B	332	165	431.85	96.62	97.6	97.63	97.41	1.90	3.18	2.81	2.18	1.78	45	97	115
N48M28F30EE	283B	30	912B	390	200	903.22	97.3	97.79	97.59	97.21	2.47	4.40	3.63	2.77	2.34	45	97.5	115
N48M28F37EE	283B	37.5	914D															115
N48M28F45EE	283B	45	914D	548	280	1186.9	97.54	98.08	97.97	97.7	2.16		3.04	2.28	2.02	45	97.7	115
N48M28F50EE	283B	50	916A	7650													98	115
N48M28F75EE	283B	75	916A	808	360	1850	97.77	98.08	97.83	97.45	2.37	5.58	4.83	4.30	2.19	50	98	115
N48M28F12EE	283B	112.5	916A	990	540	2373.35	97.86	98.34	98.24	97.99	1.78	4.45	3.99	3.64	1.63	50	98.2	115
N48M28F49EE	283B	150	918A	1600	650	2371.56	98.1	98.49	98.38	98.14	1.31	3.39	3	2.77	1.15	50	98.3	115
N48M28F22EE	292A	225	919	2306	850	4001.4	98.33	98.66	98.55	98.33	1.57	4.88	5.12	4.92	1.40	55	98.5	115
N48M28F33EE	292A	300	919	3291	1100	4583.24	98.36	98.75	98.69	98.52	1.31	6.22	6.27	6.16	1.16	55	98.6	115
N48M28F55EE	RTP	500	RTP														98.7	115
N48M28F77EE	RTP	750	RTP														98.8	115
KT-13 80C RISE																		
N48M28B15EE	283B	15	912B	315	165	535.89	96.4	97.28	97.19	96.85	2.53	3.89	3.55	2.55	2.47	45	97	80
N48M28B30EE	283B	30	912B	408	188	853.64	97.36	97.86	97.68	97.32	2.27	3.97	3.57	2.80	2.22	45	97.5	80
N48M28B37EE																		80
N48M28B45EE	283B	45	915D	600	300	826	97.44	98.28	98.37	98.248	1.26	2.72	2.52	2.23	1.17	45	97.7	80
N48M28B50EE																	98	80
N48M28B75EE	283B	75	916A	873	400	1350.61	97.7	98.38	98.4	98.26	1.41	3.12	2.91	2.62	1.27	50	98	80
N48M28B12EE	283B	112.5	917	1365	530	1927	98.23	98.61	98.57	98.39	1.30	4.22	4.55	4.38	1.24	50	98.2	80
N48M28B49EE	283B	150	918A	1594	800	2289.73	98.05	98.65	98.69	98.59	1.11	3.63	3.64	3.50	0.99	50	98.3	80
N48M28B22EE	292A	225	919	2582	850	3471	98.34	98.73	98.67	98.48	1.29	5.15	6.26	6.15	1.16	55	98.5	80
N48M28B33EE		300	920	3228	1100	3978.28	98.33	98.8	98.81	98.69	1.12	4.20	4.45	4.35	0.96	55	98.6	80
N48M28B55EE	RTP	500	RTP														98.7	80

Copper-Wound Transformer Technical Data

					Losses in Watts		Efficiency (Trise+20°)				% Regulation					Sound	TP1	
Style	Wrg Diag	kVA	Frame	Weight	No Load	Total @ Rise + 20	25%	50%	75%	Full Load	100% PF	80% PF	% ImP	X	R	Level dB	Eficiency	Rise
DS-3 150C RISE																		
T20P11S15CUEE	3XA	15	816	270	80	604.59	97.57	97.51	96.94	96.25	3.50	4.20	4.20	2.33	3.50	45	97.7	150
T20P11S25CUEE	3XA	25	818	406	115	732.07	97.94	98.08	97.74	97.29			3.49	2.47	2.47	45	98	150
T20P11S37CUEE	3XA	37.5	818	453	125	1153.9	98.19	98.05	97.55	97.01	2.74	3.71	4.82	3.96	2.74	45	98.2	150
T20P11S50CUEE	3XA	50	819	657	160	1158.6	98.28	98.4	98.12	97.74	2.00	3.27	3.83	3.81	2.00	45	98.3	150
T20P11S75CUEE	3XA	75	820	803	175	2258.62	98.53	98.25	97.71	97.11	2.78	4.82	6.45	5.82	2.78	50	98.5	150
T20P11S99CUEE	3XA	100	821	960	250	2503.9	98.57	98.44	98.02	97.54	2.25	4.28	5.47	4.98	2.25	50	98.6	150
T48M11S67CUEE	288A	167	814	1665	570	3093.92	98.74	98.81	98.59	98.29	1.51	6.26	8.95	8.82	1.51	50	98.7	150
DS-3 115C RISE																		
T20P11F15CUEE	3XA	15	816	264	80	437.3	97.83	98.05	97.75	97.3	2.38	2.24	3.27	2.24	2.38	45	97.7	115
T20P11F25CUEE	3XA	25	818	420	110	603.27	97.9	98.22	98.01	97.67	1.97	2.88	3.23	2.56	1.97	45	98	115
T20P11F37CUEE	3XA	37.5	818	450	125	1216.8	98.17	97.98	97.45	96.86	2.91	4.47	5.90	5.13	2.91	45	98.2	115
T20P11F50CUEE	3XA	50	819	703	300	1409.35	98.39	98.38	98.02	97.57	2.22	3.76	4.69	4.13	2.22		98.3	115
T20P11F75CUEE	3XA	75	820	793	175	2178.34	98.5	98.29	97.78	97.2	2.67	4.75	6.23	5.63	2.67	50	98.5	115
T20P11F99CUEE	3XA	100	821	1350													98.6	115
DS-3 80C RISE																		
T20P11B15CUEE	3XA	15	818	407	115	293.38	97.34	98.22	98.33	98.23	1.19	1.69	1.84	1.40	1.19	45	97.7	80
T20P11B25CUEE	3XA	25	818	430	300	678.97	97.93	98.39	98.31	98.09	1.52	2.63	2.98	2.57	1.52	45	98	80
T20P11B37CUEE	3XA	37.5	819	685	300	728.76	98.14	98.61	98.59	98.46	1.14	2.23	2.60	2.34	1.14	45	98.2	80
T20P11B50CUEE	3XA	50	820	799	180	1012.7	98.34	98.55	98.36	98.06	1.67	2.95	3.36	2.92	1.67	45	98.3	80
T20P11B75CUEE	3XA	75	821	1042	250	1446.53	98.34	98.58	98.4	98.12	1.60	3.41	3.82	3.47	1.60	50	98.5	80
T20P11B99CUEE	288A	100	814	1630													98.6	80
DT-3 150C RISE																		
V48M28T15CUEE	280B	15	912B	250	150	754.9	98.88	97	96.42	95.68	4.24	5.28	4.81	2.62	4.03	45	97	150
V48M28T30CUEE	280B	30	912B	350	165	1100.4	97.26	97.5	97.01	96.5	3.21	4.53	5.18	4.14	3.12	45	97.5	150
V48M28T37CUEE	280B	37.5	912B	415	210	1382.43	97.5	97.6	97.1	96.52	3.20	4.79	3.99	2.48	3.13	45	97.7	150
V48M28T45CUEE	280B	45	912B	416	215	1776.29	97.46	97.46	96.91	96.24	3.65	5.57	4.84	3.37	3.47	45	97.7	150
V48M28T50CUEE	280B	50	914D	647	270	1219.62	97.71	98.15	97.99	97.69	2.02	3.49	2.78	2.03	1.90	45	98	150
V48M28T75CUEE	280B	75	914D	643	320	2903	97.86	97.48	97.06	96.36	3.62	7.40	4.25	2.49	3.44	50	98	150
V48M28T12CUEE	280B	112.5	916A	876	420	3699.1	97.94	97.89	97.41	96.81	3.03	6.69	5.11	4.20	2.91	50	98.2	150
V48M28T49CUEE	280B	150	916A	1064	530	4269	98.14	98.18	97.81	97.34	2.69	5.35	4.27	3.47	2.49	50	98.3	150
V48M28T22CUEE	275A	225	917	1569	560	7124	98.37	98.09	97.52	97.04	3.20	8.74	7.38	6.78	2.92	55	98.5	150
V48M28T33CUEE	280B	300	923	2050	730	7958.5	98.44	98.31	97.87	97.36	2.60	6.70	5.47	4.91	2.41	55	98.6	150
V48M28T55CUEE	275A	500	919	3681	1400	8292.1	98.77	98.87	98.68	98.42	1.57	7.36	6.84	6.70	1.38	60	98.7	150
V48M28T77CUEE	275A	750	920	4891	1800	10264.95	98.91	99.04	98.89	98.68	1.33	7.85	7.24	7.15	1.13	64	98.8	150
DT-3 115C RISE																		
V48M28F15CUEE	280B	15	912B	256	95	669.2	97.74	97.75	97.29	96.71	4.00	5.41	4.8	2.90	3.83	45	97	115
V48M28F30CUEE	280B	30	912B	337	180	1076.8	97.69	97.77	97.34	96.78	3.05	6.21	4.64	3.55	2.99	45	97.5	115
V48M28F37CUEE	280B	37.5	912B	410														115
V48M28F45CUEE	280B	45	912B	446	215	1573	97.71	97.75	97.29	96.71	3.10	5.12	4.41	3.22	3.02	45	97.7	115
V48M28F50CUEE	280B	50	914D	630	270	1212.92	97.77	98.19	98.02	97.72	1.99	3.48	2.99	2.32	1.89	45	98	115
V48M28F75CUEE	280B	75	914D	670	320	2393	97.95	97.97	97.54	97	2.86	5.61	4.93	4.08	2.76	50	98	115
V48M28F12CUEE	280B	112.5	916A	914	400	2953	98.06	98.19	97.87	97.43	2.47	5.73	5.04	4.50	2.27	50	98.2	115
V48M28F49CUEE	280B	150	916A	1132	530	3364	98.26	98.45	98.2	97.84	1.99	4.75	4.38	3.95	1.89	50	98.3	115
V48M28F22CUEE	275A	225	917	2036	650	6486.5	98.41	98.25	97.78	97.23	2.96	8.88	8.25	7.83	2.59	55	98.5	115
V48M28F33CUEE	280B	300	923	2325	830	6038	98.61	98.67	98.4	98.06	2.00	5.65	5.16	4.86	1.74	55	98.6	115
V48M28F55CUEE	275A	500	919	3681	1400	7964	98.72	98.89	98.74	98.48	1.48	7.06	7.02	6.90	1.31	60	98.7	115
V48M28F77CUEE	275A	750	920	4998	1800	8355	99.03	99.19	99.1	98.95	1.08	7.82	8.27	8.22	0.87	64	98.8	115
DT-3 80C RISE																		
V48M28B15CUEE	280B	15	912B	349	135	390	96.56	97.7	97.74	97.58	1.76	2.37	2.13	1.28	1.70	45	97	80
V48M28B30CUEE	280B	30	912B	410	210	822.5	97.3	97.9	97.7	97.4	2.14	3.36	2.96	2.14	2.04	45	97.5	80
V48M28B37CUEE	280B	37.5	912B	470														80
V48M28B45CUEE	280B	45	912B	504	200	1308	97.89	98.04	97.69	97.24	2.53	4.48	3.94	3.08	2.46	45	97.7	80
V48M28B50CUEE	280B	50	916A	650														80
V48M28B75CUEE	280B	75	916A	818	370	1837	97.88	98.22	98.02	97.68	2.02	9.32	4.25	3.77	1.96	50	98	80
V48M28B12CUEE	280B	112.5	916A	1065	440	2409	98.05	98.27	98.01	97.63	1.82	3.77	3.3	2.80	1.75	50	98.2	80
V48M28B49CUEE	275A	150	917	1410	650	3349	98.33	98.5	98.27	97.94	1.87	3.86	3.68	3.21	1.80	50	98.3	80
V48M28B22CUEE	275A	225	923	2030	830	4096	98.35	98.65	98.49	98.25	1.64	5.37	5.42	5.22	1.45	55	98.5	80
V48M28B33CUEE	275A	300	919	3041	1100	4646	98.54	98.82	98.72	98.52	1.39	5.58	6.11	5.99	1.18	55	98.6	80
V48M28B55CUEE	275A	500	920	4696	1800	4924	98.61	99.06	99.11	99.06	0.71	4.39	5.2	5.16	0.62	60	98.7	80

Copper-Wound Transformer Technical Data

					Losses in Watts		Efficiency (Trise+20º)				% Regulation					Sound	TP1	
Style	Wrg Diag	kVA	Frame	Weight	No Load	Total @ Rise + 20	25%	50%	75%	Full Load	100% PF	80% PF	% ImP	X	R	Level dB	Eficiency	Rise
KT-4 150C RISE																		
H48M28T37CUEE	283B	37.5	912B															150
H48M28T45CUEE	283B	45	912B	479	220	1505	97.61	97.75	97.33	96.78	2.98	5.55	4.98	4.08	2.86	45	97.7	150
H48M28T50CUEE	283B	50	914D														98	150
H48M28T75CUEE	283B	75	914D	463	300	2883	97.85	97.68	97.09	96.4	3.57	7.05	5.86	4.74	3.44	50	98	150
H48M28T12CUEE	283B	112.5	916A	883	400	3687	97.96	97.92	97.45	96.86	3.05	6.43	5.64	4.82	2.92	50	98.2	150
H48M28T49CUEE	283B	150	916A	1212	530	3695.61	98.26	98.35	98.04	97.64	2.41	6.12	5.11	4.65	2.11	50	98.3	150
H48M28T22CUEE	292A	225	917	1815	650	5420	98.43	98.45	98.12	97.71	2.42	7.58	6.52	6.17	2.12	55	98.5	150
H48M28T33CUEE	283B	300	923	2400	830	6259	98.58	98.63	98.36	98.02	2.19	6.26	5.19	4.86	1.81	55	98.6	150
H48M28T55CUEE	292A	500	920	4500													98.7	150
H48M28T77CUEE	RTP	750	RTP														98.8	150
KT-4 115C RISE																		
H48M28F15CUEE	283B	15	912B	256	95	702.4	96.67	96.87	96.31	95.58	4.19	5.66	4.98	2.90	4.05	45	97	115
H48M28F30CUEE	283B	30	912B	341	165	1006.5	97.4	97.6	97.3	96.8	2.95	4.82	4.18	3.10	2.81	45	97.5	115
H48M28F37CUEE	283B	37.5	912B	430														115
H48M28F45CUEE	283B	45	912B	526	220	1199.9	97.88	98.08	97.85	97.47	2.28	4.96	4.14	3.52	2.18	50	97.7	115
H48M28F50CUEE	283B	50	914D	656	270	1215.02	97.76	97.18	98.01	97.71	2.07	3.51	2.95	2.27	1.89		98	115
H48M28F75CUEE	283B	75	914D	759	300	1715.1	98.1	98.3	98.1	97.8	1.95	4.98	4.51	4.10	1.89	50	98	115
H48M28F12CUEE	283B	112.5	916A	1030	470	2735.33	98.01	98.27	98.03	97.67	2.17	4.38	3.76	3.18	2.01	50	98.2	115
H48M28F49CUEE	283B	150	917	1631	650	3076	98.18	98.49	98.33	98.05	1.74	4.91	4.48	4.18	1.62	50	98.3	115
H48M28F22CUEE	292A	225	918A	1965	690	4434	98.51	98.6	98.4	98.1	1.91	5.64	5.3	5.03	1.66	55	98.5	115
H48M28F33CUEE	283B	300	923	2337	830	6127	98.62	98.68	98.37	98.03	2.00	5.19	4.67	4.32	1.77	55	98.6	115
H48M28F55CUEE	292A	500	919	4398	1400	7101.18	98.78	98.97	98.84	98.64	1.39	8.34	8.65	8.57	1.14	60	98.7	115
H48M28F77CUEE	RTP	750	RTP														98.8	115
KT-4 80C RISE																		
H48M28B15CUEE	283B	15	910A	310													97	80
H48M28B30CUEE	283B	30	912B	424	210	786.94	97.28	97.92	97.84	97.57	2.03	3.22	2.89	2.16	1.92	45	97.5	80
H48M28B37CUEE	283B	37.5	914D	510														80
H48M28B45CUEE	283B	45	914D	653	290	977	97.41	98.13	98.13	97.95	1.57	3.11	2.97	2.55	1.53	45	97.7	80
H48M28B50CUEE	283B	50	916A	870													98	80
H48M28B75CUEE	283B	75	916A	640	350	1950.6	97.8	98.14	97.8	97.52	2.22	5.17	4.91	4.42	2.13	50	98	80
H48M28B12CUEE	283B	112.5	917	1550													98.2	80
H48M28B49CUEE	283B	150	917	1825	650	2873	98.46	98.68	98.51	98.24	1.59	6.07	6.44	6.27	1.48	50	98.3	80
H48M28B22CUEE	275A	225	923	2096	890	4449	98.27	98.55	98.39	98.11	1.76	6.46	6.64	6.45	1.58	55	98.5	80
H48M28B33CUEE	292A	300	919	3921	1100	3841.81	98.62	98.97	98.94	98.81	1.13	5.70	6.28	6.21	0.91	55	98.6	80
H48M28B55CUEE	292A	500	920	4789	1800	5025	98.56	99.04	99.09	99.04	0.77	4.73	5.34	5.30	0.65	55	98.7	80
KT-13 150C RISE																		
N48M28T15CUEE	283B	15	912B	350	165	434.22	96.71	97.61	97.61	97.37	1.89	3.05	2.45	1.67	1.79	45	97	150
N48M28T30CUEE	283B	30	912B	390	190	908.1	97.16	97.7	97.49	97.11	2.56	3.98	3.34	2.33	2.39	45	97.5	150
N48M28T37CUEE	283B	37.5	914D	450														150
N48M28T45CUEE	283B	45	914D	596	235	1406.66	97.52	97.8	97.48	97.01	2.66	3.31	2.89	1.25	2.60	45	97.7	150
N48M28T12CUEE	283B	112.5	916A	1080	440	2977	97.45	98.15	97.8	97.4	2.41	4.35	3.57	2.77	2.26	50	98.2	150
N48M28T49CUEE	292A	150	917	1431	600	3858	98.03	98.24	97.9	97.5	2.39	5.25	4.29	3.70	2.17	50	98.3	150
N48M28T22CUEE	275A	225	923	2129	830	4250	98.35	98.59	98.42	98.15	1.97	6.34	5.35	5.13	1.52	55	98.5	150
N48M28T33CUEE	292A	300	919	3211	1100	5132	98.38	98.69	98.57	98.35	1.69	5.62	4.92	4.73	1.34	55	98.6	150
N48M28T55CUEE	292A	500	922	4500													98.7	150
N48M28T77CUEE	RTP	750	RTP														98.8	150
KT-13 115C RISE																		
N48M28F15CUEE	283B	15	912B	341	165	377.59	96.62	97.77	97.93	97.85	1.50	2.40	2.11	1.56	1.42	45	97	115
N48M28F30CUEE	283B	30	912B	444	188	824	97.1	97.81	97.6	97.3	2.24	3.63	3.06	2.21	2.12	45	97.5	115
N48M28F37CUEE	283B	37.5	914D	520														115
N48M28F45CUEE	283B	45	914D	612	290	1339.1	97.4	97.84	97.62	97.23	2.43	3.85	4.07	3.34	2.33	45	97.7	115
N48M28F50CUEE	283B	50	916A	840													98	115
N48M28F75CUEE	283B	75	916A	894	350	2128.1	97.86	98.12	97.85	97.46	1.94	5.10	4.62	3.97	2.37	50	98	115
N48M28F12CUEE	283B	112.5	916A	1054	460	2612	98.1	98.34	98.11	97.76	2.04	4.29	3.26	2.64	1.91	50	98.2	115
N48M28F49CUEE	292A	150	917	1399	600	3195.7	98.09	98.5	98.22	97.93	1.90	5.80	5.43	5.15	1.73	50	98.3	115
N48M28F22CUEE	275A	225	923	2088	890	4382	98.27	98.58	98.43	98.18	1.83	6.06	5.74	5.53	1.55	55	98.5	115
N48M28F33CUEE	292A	300	919	3879	1100	4208	98.48	98.85	98.81	98.66	1.23	6.57	6.44	6.36	1.04	55	98.6	115
N48M28F55CUEE	RTP	500	RTP														98.7	115
N48M28F77CUEE	RTP	750	RTP														98.8	115
KT-13 80C RISE																		
N48M28B15CUEE	283B	15	912B	370	165	382.06	96.65	97.77	97.92	97.82	1.45	2.39	2.18	1.63	1.45	45	97	80
N48M28B30CUEE	283B	30	912B	490	188	595.33	97.37	98.17	98.22	98.09	1.42	3.02	2.83	2.48	1.36	45	97.5	80
N48M28B37CUEE	283B	37.5	914D															80
N48M28B45CUEE	283B	45	914D	635	290	1189	97.36	97.94	97.81	97.49	2.07	3.85	3.46	2.82	2.00	45	97.7	80
N48M28B50CUEE	283B	50	916A														98	80
N48M28B75CUEE	283B	75	916A	987	410	1351.4	97.7	98.88	98.4	98.26	1.37	2.84	2.59	2.27	1.26	50	98	80
N48M28B12CUEE	283B	112.5	916A	854	560	2038.64	98.11	98.57	98.51	98.32	1.39	4.23	4.3	4.09	1.31	50	98.2	80
N48M28B49CUEE	283B	150	918A	1807	650	3052.63	97.98	98.39	98.27	98.02	1.70	4.27	4.04	3.71	1.60	50	98.3	80
N48M28B22CUEE	292A	225	919	4091	1200	2363.54	98.16	98.89	99.05	99.07	0.63	2.68	2.88	2.83	0.52	55	98.5	80
N48M28B33CUEE	292A	300	919	3656	1700	3907	98.66	99.05	99.06	98.98	0.89	4.06	4.49	4.43	0.74	55	98.6	80
N48M28B55CUEE	RTP	500	RTP														98.7	80

	Dimensions (inches)		
Frame Number	H	W	D
814	62.89	29.69	33.68
815	31.25	22.59	17.50
816	31.25	22.59	17.50
817	37.53	22.59	19.50
818	37.53	22.59	19.50
819	42.03	24.00	23.38
820	42.03	24.00	23.38
821	62.89	29.69	33.68
908	30.00	20.12	14.12
909	25.00	20.12	14.12
910A	30.00	20.12	14.12
912B	30.00	23.00	16.50
914D	39.18	29.00	22.00
915D	39.18	29.00	22.00
916A	46.58	27.97	23.00
917	56.18	31.25	24.25
918A	62.18	31.25	30.25
919	75.00	44.46	35.75
920	75.00	44.46	35.75
922	90.00	69.00	42.00
923	57.50	36.25	32.18

NOTE: Effective with shipments in January 2008, Frames 908, 909, 910A will be obsolete. Transformers previously manufactured on these Frames will be manufactured on Frame 912B.