
APPENDIX
REFERENCES
PUBLICATIONS



APPENDIX
Core and Wire Size

EI-STAMINGS DETAILS							TYPE NO.	Wa
A	B	C	D	E	F	G		
3.17	9.52	7.93	1.58	1.58	4.75	1.58	3	75.42
3.81	12.06	9.52	1.9	1.9	5.72	2.23	5	185.16
3.81	12.7	11.13	1.91	1.91	7.62	2.54	6	280.96
5.08	18.41	17.14	2.54	2.54	12.07	4.13	8	1286.43
7.63	23.49	19.7	3.8	3.8	12.07	4.13	8B	2902.06
1.58	4.76	3.96	0.8	0.8	2.39	0.8	12A	4.77
2.53	7.62	6.35	1.27	1.27	3.81	1.27	15	30.97
3.81	11.43	9.53	1.91	1.91	5.72	1.91	16	158.59
1.27	3.81	3.18	0.64	0.64	1.91	0.64	17	1.97
1.91	5.72	4.76	0.95	0.95	2.86	0.95	23	9.91
2	6	5	1	1	1	3	30	12.00
2.23	6.68	5.57	1.12	1.12	3.34	1.12	31	18.60
2.8	8.39	7	1.39	1.39	4.19	1.39	33	45.66
5.08	15.24	12.7	2.54	2.54	7.62	2.54	43	499.48
1.75	5.24	4.37	0.87	0.87	2.62	0.87	74	6.98
0.48	1.91	1.59	0.24	0.24	1.11	0.48	L164	0.12

ADDITIONAL DATA ON CORE						
Grade	Thickness Inch (mm)	Grade	Density Grammes cc	Maximum Core-Loss Bmax (= 15 kgs) 1.5 Tesla-50 Hz Watts per Kg.	Approximate Silicon Contents %	Staking Factor %
CRGO						
CRGO	0.011	m-4	7.65	0.89	2.5	97
	0.28	41				
CRGO	0.012	m-5	7.65	0.97	2.5	97
	0.3	46				
CRGO	0.014	m-6	7.65	1.11	2.3	98
	0.35	51				
CRNGO						
CRNGO	0.02	H-RM	7.65	2.3	0.01	98
	0.5	20				
CRNGO	0.02	H-RM	7.65	2.7	1.35	98
	0.5	23				
CRNGO	0.02	H-RM	7.65	3.7	0.79	98
	0.5	30				
CRNGO	0.02	M-45	7.65	5.4	0.79	98
	0.5					
CRNGO	0.02	M-47	7.65	6.2	0.79	98
	0.5					
DYNAMO						
[SL]						
	0.02					
DYNAMO	0.5	560	7.72	2.3	2.5	97

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	0.02					
DYNAMO	0.5	630	7.78	2.6	2.5	97
	0.02					
DYNAMO	0.5	710	7.82	3	2.3	98
	0.02					
DYNAMO	0.5	B-630	7.78	6.3	2.5	97
	0.02					
DYNAMO	0.5	B-710	7.82	7.1	2.3	98
	0.02					

WIRE-DATA							
Wire-details	diameters			overall dia.	turns/cm	res/mtr	edge.mrgn
SWG	mils	mm	CM	mm		ohm/mtr	cm
50	1	0.0254	1	0.03556	281.2148	33.433567	0.15748
49	1.2	0.03048	1.44	0.04064	246.0630	23.217755	0.15748
48	1.6	0.04064	2.56	0.0508	196.8504	13.059987	0.15748
47	2	0.0508	4	0.06096	164.0420	8.358392	0.15748
46	2.4	0.06096	5.76	0.07366	135.7589	5.804439	0.15748
45	2.8	0.07112	7.84	0.08382	119.3033	4.264486	0.15748
44	3.2	0.08128	10.24	0.09652	103.6055	3.264997	0.15748
43	3.6	0.09144	12.96	0.1067	93.7207	2.579751	0.15748
42	4	0.1016	16	0.1194	83.7521	2.089598	0.15748
41	4.4	0.11176	19.36	0.1321	75.7002	1.726940	0.15748
40	4.8	0.12192	23.04	0.1422	70.3235	1.451110	0.15748
39	5.2	0.13208	27.04	0.1549	64.5578	1.236448	0.15748
38	6	0.1524	36	0.1753	57.0451	0.928710	0.15748
37	6.8	0.17272	46.24	0.2007	49.8256	0.723044	0.23622
36	7.6	0.19304	57.76	0.221	45.2489	0.578836	0.23622
35	8.4	0.21336	70.56	0.2438	41.0172	0.473832	0.23622
34	9.2	0.23368	84.64	0.2642	37.8501	0.395009	0.23622
33	10	0.254	100	0.287	34.8432	0.334336	0.23622
32	10.8	0.27432	116.64	0.3099	32.2685	0.286639	0.23622
31	11.6	0.29464	134.56	0.3302	30.2847	0.248466	0.23622
30	12.4	0.31496	153.76	0.3531	28.3206	0.217440	0.23622
29	13.6	0.34544	184.96	0.3861	25.9000	0.180761	0.3175
28	14.8	0.37592	219.04	0.4166	24.0038	0.152637	0.3175
27	16.4	0.41656	268.96	0.4623	21.6310	0.124307	0.3175
26	18	0.4572	324	0.5055	19.7824	0.103190	0.3175
25	20	0.508	400	0.5588	17.8955	0.083584	0.3175
24	22	0.5588	484	0.6096	16.4042	0.069078	0.3175
23	24	0.6096	576	0.6629	15.0852	0.058044	0.3175
22	28	0.7112	784	0.7696	12.9938	0.042645	0.3175
21	32	0.8128	1024	0.8738	11.4443	0.032650	0.3175
20	36	0.9144	1296	0.9804	10.1999	0.025798	0.3175
19	40	1.016	1600	1.085	9.2166	0.020896	0.3175
18	48	1.2192	2304	1.293	7.7340	0.014511	0.3175
17	56	1.4224	3136	1.501	6.6622	0.010661	0.47752

16	64	1.6256	4096	1.707	5.8582	0.008162	0.47752
15	72	1.8288	5184	1.915	5.2219	0.008449	0.47752
14	80	2.032	6400	2.123	4.7103	0.005224	0.47752
13	92	2.3368	8464	2.433	4.1102	0.003950	0.635
12	104	2.6416	10816	2.743	3.6456	0.003091	0.635
11	116	2.9464	13456	3.056	3.2723	0.002485	0.635
10	128	3.2512	16384	3.366	2.9709	0.002041	0.635

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