

Reported Stats

Coiler	Transformer	Xfmr Current Rating (mA)	No. of Xfmrs	Xfmr Ratio L1:L2	Mains Freq. (Hz)	Mains Voltage at Arc (V)	Rated Voltage (V)	Xfmr Rated Power (w)	PFC	Primary Tank Cap (uF)	Primary Style	Primary Inner Diameter (inches)	Primary Outer Diameter (inches)	Primary Inductor Size (inches)	Primary Inductor Spacing (inches)	Primary Tap (turn)	Coupling Coefficient (K)	Secondary Diameter (inch)	Secondary Length (inch)	Secondary Wire Gauge
Adam Smith	NST	120	1		60	120	9,000			0.0180	Flat Spiral				9.00		8	25	20	
Aron	NST	120	1		60	120	15,000	1,800		0.0250	Flat Spiral	3.00	36.00	0.162	0.500	15.00		7.5	36	24
Barry Benson	MOT	200	1	84.0	60	75	10,000			0.0400	Flat Spiral				5.00		6	20	18	
Bart Anderson	Pole Pig	694	1	60.0	60	150	14,400			0.0600	Flat Spiral	16.25	34.00	0.375	0.375	9.00	0.193	12.5	34	18
Bert Hickman	NST	90	1		60	140	15,000	1,400		0.0210	Flat Spiral	8.75	25.00	0.375	0.063	10.50	0.156	6.25	24.25	22
Bert Hickman	NST	60	2		60	140	15,000	1,800	180uF	0.0205	Flat Spiral	12.75	34.00	0.375	0.625	15.50	0.209	10.25	31	21
Bill "Gomez" Lemieux	Pole Pig		1	68.0	60	220	15,000	5,000		0.1000	Flat Ribbon	32.00	46.00		0.500	3.50		20	48	20
Bill "Gomez" Lemieux	Pole Pig		1	68.0	60	220	15,000	5,000		0.1000	Flat Ribbon	34.00	46.00		0.500	3.25		12.25	45	16
Bill Wysock	SS	3,472	1	150.0	60	220/480	36,000	125,000		0.2750	Magnifier		146.00					60	120	8
Bob Golding	NST	50	1	37.5	50	240	9,000			0.0120	Conical 30°	6.00	22.00	0.375	0.500	11.50		4.25	21	23
Brian Basura	POT		1		60	100	12,000	1,500		0.0410	Flat Spiral	9.50	26.00	0.250	0.250	7.50		6.5	22.5	22
Charles Brush	Pole Pig		1		60		19,900	15,000		0.0250	Conical			0.250				6	28	22
Chip Atkinson	Pole Pig		1		60	220	14,400	10,000		0.0250	Flat Spiral	14.00	36.00	0.030	0.500	14.00		10	25	20
Chris Swinson	NST	30	1		50	230	8,000	240		0.0113	Flat Spiral	5.00	26.00	0.246	0.380	16.00		4.3	38	0.4mm
Chuck Cook	NST	60	1	75.0	60	120	9,000			0.0054	Helix					12.00		1	11	36
Chuck Corran	Pole Pig		1		60	280	16,800	15,000		0.0750	Flat Spiral	21.00	52.00	0.625	0.500	9.50		15.25	56	15
Cliff Fahrer	NST	90	1		60	120	9,000			0.0020	Helix	10.00	n/a	0.204	0.500			3	30	22
Cobbott Sanders	NST	60	3	120.0		120	15,000			0.0200	Conical 30°	13.00	28.00	0.250	0.500	12.50		8.25	26	22
Corey Edmonds	NST	30	1				12,000	360		0.0063	Conical 15°	6.00		0.080	0.250	16.00		4	18	24
Dale Martin	NST	120	1	32.0	50	260	8,000			0.0163	Conical-20°	6.75	19.00	0.250	0.250	8.00		see note	21	21
Dale Martin	HBT	2	1	14.0	50	240	3,200			0.0030	Helix	2.00	n/a	0.081	0.094	7.00		0.75	5	35
Daryl Dacko	LD		1		60		5,000	1,800		0.0250	Helix					5.00		4	12	22
Dave Sharpe	Pole Pig	118	1		60	240	14,400	1,700		0.0500	Flat Spiral					10.00		8		20
David Dean	NST	20	1		60	160	9,000			0.0040	Flat Spiral	6.25	9.00	0.313	0.250	7.50		2.75	9	28
David Euans	Pole Pig	347	1	60.0	60	240	14,400			0.0500	Flat Spiral					9.00		8	33	20
David Huffman	NST	60	1	100.0	60	135	12,000	720		0.0060	Conical	5.00	12.00	0.102		11.00		2.375	13.5	24
David Huffman	NST	45	2	100.0	60	135	12,000	540		0.0180	Flat Spiral	12.00	25.00	0.250	0.563	8.00		8.1875	26.25	18
Ed Sonderman	Pole Pig		1	60.0	60	240	14,400	5,000		0.0500	Flat Spiral	9.75	29.00	0.375	0.375	9.50	0.170	6	27.6	22
Ed Sonderman	NST	60	1	100.0	60	120	12,000	720		0.0049	Flat Spiral	4.75	17.20	0.100	0.350	12.15		3	13.1	28
Gary Lau	NST	60	1		60	122	15,000	900		0.0100	Conical-15°	6.50	19.25	0.250	0.500	13.00	0.141	4.25	23.25	22
Gary Weaver	FIT	20	1	50.0	60	120	6,000	120		0.0050	Conical-30°			0.250	0.250	3.00		1.5	7	28
Gary Weaver	NST	30	1	125.0	60	120	15,000	450		0.0050	Flat Spiral	7.00	15.00	0.250	0.250	8.00		4.5	13	24
Gary Weaver	NST	30	1	125.0	60	120	15,000	450		0.0050	Conical-15°	6.50	23.00	0.250	0.250			4.5	21	24
Gary Weaver	NST	50	1	125.0	60	120	15,000	750		0.0050	Conical-30°	6.50	29.00	0.250	0.625			4.5	20.5	24
Gary Weaver	NST	30	3	125.0	60	120	15,000	450		0.0264	Conical-15°	7.50	23.00	0.250	0.250			6.625	23	24
Gary Weaver	PDT	933	1	75.0	60	240	18,000	16,800		0.0200	Conical-15°	7.50	23.00	0.250	0.250			6.625	23	24
Gary Weaver	PDT	933	1	75.0	60	240	18,000	16,800		0.0350	Flat Spiral	14.00		0.250	0.250	12.00		20.5	32	20
George W. Ensley	Pole Pig		1		60	220		5,000		0.0350	Conical	9.00	30.00	0.375	0.375	13.50	0.180	9.25	37.25	22
Gordon King	NST	30	7		60	120	12,000			0.0280	Conical	16.00	33.00	0.250	0.675	14.50		11.75	45.75	18
Howard Brinton	NST	60	1	100.0	60	120	12,000			0.0160	Conical					12.00		10	26.4	20
Jeff W. Parisse	Pole Pig		1	60.0	60	200	14,400	5,000		0.1100	Flat Ribbon	6.25	28.00	0.125	1.000	4.50		12.625	55	16
John Freau	NST	30	1	100.0	60	120	12,000	720	28uF	0.0070	Conical-15°	8.50	17.25	0.081		34.00		6.5	23	28
John Freau	NST	30	1	100.0	60	120	12,000	720	28uF	0.0070	Conical-15°	8.50	13.50	0.081		20.00	0.090	4.25	24	28
John Freau	Potential	104	1	120.0	60		14,400	1,500		0.0070	Conical-15°	8.50	13.50	0.081		20.00	0.090	4.25	24	28
John Freau	Potential	104	1	120.0	60		14,400	1,500		0.0140	Conical-15°	8.50	13.50	0.081		20.00	0.080	4.25	24	28
Julian Green	Pole Pig		1	45.8	50	240		5,000		0.0300	Conical	9.00	21.00	0.375	0.750	9.00		7	21	.56mm
Kevin Eldredge	NST	60	1	75.0	60	120	9,000			0.0100	Flat Spiral					15.00		6.25	20	24

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Kevin Eldredge	Lab Demo	640	1	125.0	60	104	15,000			0.0700	Flat Spiral					17.00		8.5	51	24
Larry Robertson	NST	60	2		60	115	15,000	900		0.0250	Flat Spiral	12.00	36.00	0.500	0.250	12.00		8	30	22
Malcolm Watts	Lab Demo	308	1	23.0	50	240	5,520	1,700		0.1000	Helix	26.00	n/a	0.375	0.375		0.120	9.9	45	.56mm
Marco Denicolai	MOT	77	2	29.5	50	220	6,500	1,000		0.0500	Flat Spiral	5.30	13.10	0.188	0.300	7.00		4.33	19.7	26
Mark Finnis	NST	60	2	62.5	50	240	15,000	1,800		0.0240	Flat Spiral	10.00		0.250	0.300	9.50		6.3	27.5	20
Mark Graalman	Potential	200	1		60	220	10,000	2,000		0.0910	Flat Spiral	11.00	30.00	0.750	0.500	5.00	0.188	8.75	31	18
Matthias Andersson	NST	45	10		50	230	4,000	180		0.0470	Conical-10°	7.50	20.00	0.313	0.400	8.19		6.5	23.6	22
Michael Baumann	NST	30	1	100.0	60	120	12,000	360		0.0061	Conical	4.50		0.250	0.250	8.75		3.5	10	24
Mike Hollingsworth	NST	60	2	125.0	60	120	15,000	1,800		0.0250	Flat Spiral	12.00	18.00	0.313	0.250	9.00		8.22	24.7	20
Peter Elekessy	NST	30	2		50	240	15,000	900		0.0110	Conical	8.00	24.00	0.188	0.438	14.75		6.25	22	24
R. Scott Coppersmith	NST	60	1	125.0	60	125	15,000			0.0146	Conical 30°		6.25			16.00		6.25	25.5	22
R. Scott Coppersmith	Lab Demo	1,000	1	16.0	60	250	4,000	4,000		0.1800	Conical	11.00	15.25	0.230	0.200	5.30		6.89	50	22
Reinhard Buchner	NST	75	1	31.3	50	235	7,500	563		0.0090	Flat Spiral	14.56	29.13	0.375	0.375			7.8722	32.7	19.6
Richard Burnett	NST	100	2	25.0	50	240	6,000	1,200		0.0330	Conical 10°	8.00	18.00	0.250	0.500	6.50		4	24	23
Richard Hull	Pole Pig	641	1	65.0	60	210	15,600			0.0850	Conical	16.00	44.00	0.625	1.000	11.00	0.250	14	46	18
Richard Staron	NST	30	1	125.0	60	120	15,000			0.0050	Conical					13.00		4.2	18	22
Rick Kirby	NST	30	4		60	130	15,000	450		0.0200	Flat Spiral	9.00	24.75	0.250	0.250	13.25	0.185	6.31	22.5	24
Robert Cressler	Plate	348	1	50.0	60	115	5,750	2,000		0.0150	Flat Spiral	10.00	50.00	0.510	1.375			8.625	42	18
Roderick Maxwell	NST	200	1		60	120	12,000	3,000	60uF	0.0150	Conical	7.00	25.00	0.375	0.375	9.00		6.25	22	21
Skip Greiner	NST	60	1			120	15,000	900		0.0150	Flat Spiral	23.00		0.375	0.250	6.00	0.190	17.5	24	16
Steve Crawshaw	Lab Demo	80	1	104.2	60	240	25,000			0.0040	Conical					25.00		4	18	26
Steve Rodway	Pole Pig	2,963	1	45.0	50	240	10,800	32,000		0.0074	Conical	6.00	16.00	0.250	0.500	9.50		4.25	16	22
Steve Zeitler	MOT	208	1	100.0	60	120	12,000			0.0250	Conical					8.50		9	33	24
Terry Fritz	NST	60	1	125.0	60	60	15,000	900		0.0171	Flat Spiral	12.00	26.00	0.250	0.375	15.10	0.175	10.25	30	24
Travis Tabbal	NST	60	1	125.0	60	120	15,000			0.0100			15.00	0.250	13.00			6.25	25	22
Tristan Stewart	NST	60	1	100.0	60	120	12,000	720		0.0120	Flat Spiral	7.50		0.081	0.250	12.00		4.5	20	24
Will E. Payne	Potential		1	70.0	60	240		1,500		0.0250	Conical	12.00	36.00	0.162	1.000	6.00		4.5	28	20

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Coiler	Output Terminal	Top Terminal (inches)	Top Terminal (inches)	Bottom of Terminal to Top Winding (inches)	Break Total Gap (inches)	BPS	Output P-P Arc Length (inches)	Output Free Air Arc Length (inches)	Tank Cap Type
Adam Smith	toroid	6 x 20				120	52		
Aron	2-toroid	4.5 x 20	4.5 x 20	3.000	0.0025		75	65	Commercial 0.025uF
Barry Benson	toroid	5 x 20				408	56		
Bart Anderson	toroid	6.6 x 30		3.000	0.2000	240	65		CSI Professional 60kv, .02uF - 3 in parallel for 0.06uF
Bert Hickman	toroid	6 x 21			0.4000	280	46	40	Dual Home-Brew Flat Plate-PE
Bert Hickman	toroid	8 x 32		2.500	0.5400	280	65		Dual Home-Brew Flat Plate-PE
Bill "Gomez" Lemieux	toroid	8 x 30		8.000	0.1250	750	96	96	4 ea. 60kVDC oil/paper DC filter caps in series/parallel for a total of 120kVDC, 0.1uF
Bill "Gomez" Lemieux	toroid	10 x 30		6.000	0.0625	230	120	120	4 ea. 60kVDC oil/paper DC filter caps in series/parallel for a total of 120kVDC, 0.1uF
Bill Wysock	toroid	30 x 96					660	480	Commercial PE, 0.1uF, 50kv, 14 in series/parallel + 2-ext. for 0.275uF at 100kvac
Bob Golding	toroid	4 x 19		4.000	0.1800		24	18	Poly Flat Plate
Brian Basura	toroid	6 x 32		4.500	0.1300		60	40	Rolled PE (6 layers of .006 for .036") (4 in series/parallel)
Charles Brush	2-toroid	14 x 27	14 x 36	1.250			77		Two 0.05uF (series) 50kv Maxwells
Chip Atkinson	toroid	7 x 38		6.000	0.0500	see note	60	48	Rolled PE
Chris Swinson	2-wok	6 x 10		1.000	0.0079		24	18	Flat Plate
Chuck Cook	toroid	2 x 7				120	16		
Chuck Corran	toroid	10.5 x 56		5.000	0.5000	380	156	140	0.025uF, 20kv (Condenser Products). 0.05uF, 30kv (Plastic Capacitors)
Cliff Fahrer	.25" stud	0.25		3.000	0.2000		20	18	Alum foil/1/4 inch glass plate. Value is calculated, not measured.
Cobbott Sanders	toroid	4 x 24		1.000	see notes		40	48	Surplus 100kv .01 caps
Corey Edmonds	toroid	4 x 17.25				120	22		
Dale Martin	2-toroid	4 x 14	5 x 25	3.000	0.0500		50	48	Generic TCBOR rolled PE cap under oil
Dale Martin	sphere	5		1.500	0.2500		3	2	LCC HT0 doorknob
Daryl Dacko						120	25		
Dave Sharpe	toroid	4 x 16					36		
David Dean	toroid	4 x 11		0.000	0.4060	120	9		4 bud longnecks in a plastic bucket filled with NaCl solution
David Euans	toroid	8.5 x 34				200	90		
David Huffman	toroid	4 x 11.5		0.500	0.0150	120	18		Ceramic
David Huffman	toroid	6 x 21		5.000	0.0300	120	35	35	Ceramic
Ed Sonderman	toroid	5 x 33	5 x 40	10.000	0.1000	500	104		Commercial, Condenser Products, two .025 ufd in parallel
Ed Sonderman	2-toroid	1 x 12	4 x 13.5	4.000			26	18	Rolled PE
Gary Lau	2-toroid	4.5 x 15.5	6.25 x 24	-0.500	0.3600		51	40	Prof. Fair Radio Sales-100kv
Gary Weaver	toroid	2 x 4			0.0750		6		PE Rolled
Gary Weaver	2-toroid	5 x 11	5 x 11		0.2000		14		PE Rolled
Gary Weaver	toroid	4.5 x 16			0.2000		15		PE Rolled
Gary Weaver	2-toroid	5 x 11	5 x 11		0.2000				PE Rolled
Gary Weaver	toroid	10 x 27			0.2000		54	49	PE Rolled
Gary Weaver	toroid	10 x 27			0.2000		76		PE Rolled
Gary Weaver	sphere	38			0.2000		116	84	PE Rolled
George W. Ensley	toroid	7 x 29.75		6.500			96	72	
Gordon King	toroid	7 x 33		0.000	0.0630		54		
Howard Brinton	toroid	4.5 x 22				120	16		
Jeff W. Parris	toroid	8 x 36		6.000	0.5000	240	135		PE Rolled 100kv
John Freau	toroid	4 x 17		2.375		120	42	36	Maxwell Prof. 0.007uF, poly
John Freau	toroid	5 x 20		3.375		120	42	36	Maxwell Prof. 0.007uF, poly
John Freau	toroid	5 x 20		3.375		120	42	36	Maxwell Prof. 0.007uF, poly
John Freau	toroid	6 x 26		3.000		120	64		Maxwell Prof. 0.014uF, poly
Julian Green	toroid	5 x 21		1.000	0.0630	300	48	36	PE Rolled
Kevin Eldredge	toroid	8 x 10				120	36		

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Coiler	Output Terminal	Top Terminal (inches)	Top Terminal (inches)	Bottom of Terminal to Top Winding (inches)	Break Total Gap (inches)	BPS	Output P-P Arc Length (inches)	Output Free Air Arc Length (inches)	Tank Cap Type
Kevin Eldredge	toroid	12 x 48				700	144		
Larry Robertson	toroid	7 x 30		4.000	0.0800	240	60	48	2 Maxwell .05 / 50kV in series
Malcolm Watts	toroid	9		3.000		100	54	42	Dry-fired extended foil rolled poly. Single cap. 0.5mm dielectric.
Marco Denicolai	toroid	3.93 x 15.7		1.600	0.0780	367	31	40	Maxwell Prof. 0.05uF, 50kv
Mark Finnis	toroid	8 x 24		3.000		100	54	45	PE Rolled
Mark Graalman	toroid	6.5 x 36		8.000	0.0600	700	97	80	Home built Flat Plate
Matthias Andersson	toroid	4.3 x 27.5		3.500	0.1780		70	45	PE Rolled
Michael Baumann	toroid	3 x 12		0.000	0.1800	120	16	14	Flat Plate PE
Mike Hollingsworth	toroid	8 x 22		0.000	0.2500	120	45		Two .05uF 20kv Stanley (rec.) Mica Caps-series
Peter Elekessy	toroid	8 x 15		2.000	0.0100	100	42	40	Rolled poly by 2 under Xformer oil
R. Scott Coppersmith	sphere	1				120	60		2-caps were PE rolled, 1 was 350 1uf metal film caps soldered in series
R. Scott Coppersmith	toroid	4 x 22		4.000	0.0400	565	75		Caps are GE 6 x 1.0uf in series
Reinhard Buchner	see notes			4.000	0.8260	100		20	Rolled PE, dry fired, homebrew.
Richard Burnett	2-toroid	4 x 12	4 x 20	5.000	0.0300	410	30	30	Home made rolled PE
Richard Hull	toroid	13 x 60		3.000	0.0300	see note	162		Professional
Richard Staron	toroid	4 x 17				120	31		
Rick Kirby	toroid	6.3 x 25.5		2.000	0.2970	120	66	54	Commercial, (FCI) 2 units (.01 uf @ 100000 vdc) for a total of .02uF
Robert Cressler	toroid	10 x 40		7.000					Plate. UHMW-PE
Roderick Maxwell	toroid	6 x 18		4.000	0.0300		40	36	Plate, PE
Skip Greiner	toroid	5.5 x 28	4			120	48	60	
Steve Crawshaw	toroid	4 x 17				120	48		
Steve Rodway	toroid	3 x 14		6.000	0.1070	600	28.5	20	Top quality ceramic laser pulse caps
Steve Zeitler	toroid	6 x 27				500	60		
Terry Fritz	salad bowl	12		5.000	0.1200	120	30	22	10-1.7nF, 30kv, doorknob caps (par)
Travis Tabbal	toroid	4 x 24			0.1800	120	12		
Tristan Stewart	sphere	10.5		2.000	0.0100		33	30	unkown, "hockey puck" capacitor
Will E. Payne	toroid	8 x 24		4.000			8	40	Glass bottles, NaOH electrolyte inside and out

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Coiler	Ballast	Break	Notes
Adam Smith	internal	static - tcbor/rq	Primary dimentions not given except tap point. Used 0.375 wire size and ID allow
Aron	internal	Input 240bps in Calc Stats based on arc length achievements	
Barry Benson		rotary	Primary dimentions not given except tap point. Used 0.375 wire size and ID allow
Bart Anderson	external-variatic	rotary, nonsync-8. 2 stationary - pipe squirl cage	Sonotube secondary.
Bert Hickman	internal	static - tcbor/rq	
Bert Hickman	internal	static-6, tandemrq-12	
Bill "Gomez" Lemieux	external-39amp variatic	rotary	Secondary is pvc GP "hook-up" wire- tinned, solid. Primary winding is 2.5" copper
Bill "Gomez" Lemieux	external-39amp variatic	non-sync rotary-15 at 3000rpm	Secondary is triple-build polyurethane enamel motor wire. Primary winding is 2.5"
Bill Wysock	External: 6-stack of W-50 Variacs w/current chokes - parallel	3600rpm sync-rotary, 10hp	This is a magifier (Model 13M). The driver circuit is ignored and the extra coil is u
Bob Golding	internal	rq/tcbor, 9 gaps 1.5" 3" long 1100 watt vacuum cleaner quenched	filter chokes 2.2 mH wound on 2" formers 6"long 28 AWG with 1k ohm 50 watt se
Brian Basura	external - 2 MOT's + 5 ohms all paralleled	RQ with baffels that force air between gaps	Secondary uses 200° C insulation and wound at 37 turns per inch.
Charles Brush	external-welder	4-gap series rotary	BPS value was moved up and down. Value assumed as what is need to come cl
Chip Atkinson	external-welder	rotary. Break rate variable 500 - 1000	
Chris Swinson	internal	static	Ctop = woks = used toroid calc. Sec/pri wire values given in metric
Chuck Cook	internal	static, air	
Chuck Corran	external	rotary	
Cliff Fahrer	internal	static, air	Ctop is a 1/4 inch stud. 0.25 diam. x 2 inch long. Ctop is close to 0. Used 0.01 to
Cobbott Sanders	internal	altair series FlexiGap spaced 1/8" to 1/16" apart.	Ctop also included a punching bag covered with foil. Used standard 2-toroid dime
Corey Edmonds	internal	static - tcbor/rq	
Dale Martin	internal	RQ/TCBOR 13x 1 1/4" copper pipe, 2 sets of 6 gaps in parallel	Secondary coil is taped 5.5" down to 4.25 = Used average of 4.875
Dale Martin	internal	adjustable static gap Tungsten. Carbide electrodes	Small Mhz demo coil. Lot's of corona.
Daryl Dacko		static	Toroid dimentions not known. Used values based on 2.8 * Cself (personal judgen
Dave Sharpe	external -welder	12p non-sync	Primary dimentions not given except tap point. Used 0.375 wire size and ID allow
David Dean	internal (no modification)	single static 3/4 dia brass rods + air blast	Secondary is magnet wire salvaged from a relay coil and a fan motor. 850 turn se
David Euans	external	rotary	
David Huffman	internal	static-7	
David Huffman	internal	static-10	
Ed Sonderman	external - variatic + resistor	rotary, asynchronous	Dual toroids are seperated 16" apart using 16" x 30" alum. cylinder as spacer
Ed Sonderman	internal	static - tcbor/rq	Dual toroids are seperated 6" apart.
Gary Lau	internal	static w/air quench	
Gary Weaver		static / tcbor/rq. No air cooling.	Bottom of secondary connected to primary.
Gary Weaver	internal	static-8 tcbor/rq. Muffin fan cooling.	Secondary is wound with 2-wires paralleled, connected at each end.
Gary Weaver	internal	static-8 tcbor/rq. Muffin fan cooling.	
Gary Weaver	internal	static-8 tcbor/rq. Muffin fan cooling.	
Gary Weaver	internal	static-8 tcbor/rq. Muffin fan cooling.	
Gary Weaver	external	static-8 tcbor/rq. Muffin fan cooling.	
Gary Weaver	external	static-8 tcbor/rq. Muffin fan cooling.	
George W. Ensley	external-welder/oven elements/variatic	rotary	Unknown BPS on variable rotary. Used 400 based on arc length.
Gordon King	internal	rotary-12	Unknown BPS on variable rotary. Used 240 based on arc length.
Howard Brinton	internal	static, air	
Jeff W. Parisse	external - variatic 1156	SP sync-rotary	Model 8J (Big Reg) as seen on www.teslacoil.com. Insulated secondary wire-spa
John Freau	internal	sync rotary, 8 spinning and 8 fixed electrodes	Uses 28uF PFC on Neon. Draws 720W on Weston model 310.
John Freau	internal	sync rotary w/2 series gaps	Uses 28uF PFC on Neon. Secondary spacing modified to match actual turns of 1
John Freau	150 turn I-core. Variable tap.	sync rotary w/2 series gaps	Secondary spacing modified to match actual turns of 1400. Secondary is 1.25" B
John Freau	150 turn I-core. Variable tap.	sync rotary, 8 spinning and 8 fixed electrodes	Secondary spacing modified to match actual turns of 1400. Secondary is 0.25" B
Julian Green	external - resitor, 5 ohm	rotary	Secondary wire size is 0.56mm = 0.0220 inch = 23.2awg.
Kevin Eldredge	internal	sync. rotary + static	

Reported Stats

Coiler	Ballast	Break	Notes						
Kevin Eldredge		rotary							
Larry Robertson	internal	rotary + static-7	Vertical p-p arc = 60, horizontal p-p arc = 54						
Malcolm Watts	internal	single static, 1/2" tungsten carbide on brass rod	Bifiler wound with .56mm (.6mm w/insulation). Sphere capacitance measured at 7						
Marco Denicolai	internal + external (MOT)	rotary							
Mark Finnis	internal	3-gap static							
Mark Graalman	external-variatic	8p 5000rpm							
Matthias Andersson	internal	tcbor/rq + air quench	Actually uses 10 Neons in parallel/series for 1.8kva						
Michael Baumann	internal	static - tcbor/rq							
Mike Hollingsworth	external-variatic-20	GL-static	Coil has about 10 turns spaced 1/4" wound at top						
Peter Elekessy	internal	sync-rotary	I can get longer spark lengths using a 24" sphere but the arcs are very difficult to						
R. Scott Coppersmith	internal	static	Sphere calculation for top capacitance calculated a C(pf) = diameter (inches) * 1.						
R. Scott Coppersmith	internal	rotary-8	Xformer is from a CO2 cutting/welding laser power supply made by JECO. Air co						
Reinhard Buchner	internal	Flat 18mm Cu static gap (see notes)	Top terminal is a paint sprayer bottle ~4" x 6". Spark improvement proved with a						
Richard Burnett		RQ-static-5	Secondary winding (bottom/middle/top) 0.9mm / 0.67mm / 0.56mm=meas. 16.5m						
Richard Hull	external-var.+ res	non-sync rotary, static-8	BPS is 200 - 500 variable. Used 500 based on calculated arc length.						
Richard Staron	internal	static							
Rick Kirby	internal	vac. w/9 tubes in lexan							
Robert Cressler	external-variatic	series static	No arc lengths given.						
Roderick Maxwell	variatic								
Skip Greiner	internal	sync rotary	Data from John Frea.						
Steve Crawshaw		static							
Steve Rodway	external-heater elements	folded TerryF							
Steve Zeidler		rotary							
Terry Fritz	external-variatic	sync rotary							
Travis Tabbal	internal	rq/tcbor stati6-6 at 0.030"	These are stats from Tristan's new coil setup during a post to the List. RF ground						
Tristan Stewart	internal	static-tcbor/rq	Top terminal is a Van de graph sphere. Capacitance calculated as C(pf) = diame						
Will E. Payne	external-resistor hot water elements	static, hollow, aspirated by shop vac							

Reported Stats

	Coiler									
Adam Smith		ed 1.5" space based on L2 diameter for coupling coefficient + mutual inductance.								
Aron										
Barry Benson		ed 1.5" space based on L2 diameter for coupling coefficient + mutual inductance.								
Bart Anderson										
Bert Hickman										
Bert Hickman										
Bill "Gomez" Lemieux		strap.								
Bill "Gomez" Lemieux		copper strap.								
Bill Wysock		sed as classic TC secondary. BPS value not given (used 400 per calculated arc length average)								
Bob Golding		ries resistors								
Brian Basura										
Charles Brush		se to JHCTES value.								
Chip Atkinson										
Chris Swinson										
Chuck Cook										
Chuck Corran										
Cliff Fahrer		prevent a #div/0 error.								
Cobbott Sanders		entions for Ctop calculation.								
Corey Edmonds										
Dale Martin										
Dale Martin										
Daryl Dacko		ment)								
Dave Sharpe		ed 1.5" space based on L2 diameter for coupling coefficient + mutual inductance. Sec guessed at 34" height.								
David Dean		ondary is about 30 awg. 28 was reported.								
David Euans										
David Huffman										
David Huffman										
Ed Sonderman										
Ed Sonderman										
Gary Lau										
Gary Weaver										
Gary Weaver										
Gary Weaver										
Gary Weaver										
Gary Weaver										
Gary Weaver										
Gary Weaver										
George W. Ensley										
Gordon King										
Howard Brinton										
Jeff W. Parisse		cing unknown-used magnet wire diam for t-t space. Checking w/Jeff.								
John Freau										
John Freau		400. Secondary is 1.25" BELOW primary center.								
John Freau		ELOW primary center.								
John Freau		ELOW primary center.								
Julian Green										
Kevin Eldredge										

Reported Stats

Coiler									
Kevin Eldredge									
Larry Robertson									
Malcolm Watts	.2pF. Spacing add for reported 980 turns in bifiler configuration.								
Marco Denicolai									
Mark Finnis									
Mark Graalman									
Matthias Andersson									
Michael Baumann									
Mike Hollingsworth									
Peter Elekessy	control.								
R. Scott Coppersmith	411. Primary (bottom 4 turns right up against the bare pvc secondary)								
R. Scott Coppersmith	bled. The secondary is 2 coils: an 8-inch on bottom, a 6-inch on top, ave diameter 6.89 at 50.00 inches long total								
Reinhard Buchner	six sided AL standoff included. Reason for spark length increase still unknown.								
Richard Burnett	H (assumed 23 awg in data. adjusted Ctop to match measured.)								
Richard Hull									
Richard Staron									
Rick Kirby									
Robert Cressler									
Roderick Maxwell									
Skip Greiner									
Steve Crawshaw									
Steve Rodway									
Steve Zeitler									
Terry Fritz									
Travis Tabbal	is metal sheet.								
Tristan Stewart	er (inches) * 1.411								
Will E. Payne									