	Ep	Es	Ip	Is	Pp	Ps	Np	Ns	eff	step
1	120		1.016	8.33			1200		.82	
2		24			264	227	1450	290		
3		48	4.6			474		710	.94	
4		110	5.5			613		1567	.93	
5		130			576	524	1888	2045		
6	208		12.6	196.5			1755		.90	
7	208		14.3	106			1000		.86	
8		48			249	286	800	140		
9		110	3.62			846		314	.89	
10		120	6.66			1776		365	.78	
11		130			2964	3614	2000	840		
12	220		11.75	24.76			200		.87	
13	220		16	16.66			780		.88	
14		480			684	684	1120	2453		
15		12	12			2928		40	1.00	
16		48	2.88			684		90	.99	
17		120			240	235.2	277	138		
18	240		3.75	7.35			850		.98	
19	240		7.60	7.71			620		.88	
20		120			1021.2	898	460	105		
21		120	3.68			1519		275	.86	
22		208	2.00			825.6		314	.86	
23		208			1939.2	1590.1	310	134		
24	480		20.5	41			550		.82	
25	480		11.1	17.8			485		.80	

Primary Voltage	Ep = Np Es / Ns	Ep = Pp/Ip	Ep = IsEs/(eff Ip)
Secondary Voltage	Es = Ep Ns / Np	Es = Ps / Is	Es = Ip Ep eff / Is
Primary Current	Ip = Is Es / (eff Ep)	Ip = Pp / Ep	Ip = Ns Is / (Np eff)
Secondary Current	Is = Ip Ep eff / Es	Is = Ps / Es	Is = Ip Np eff / Ns
Primary Power	Pp = Ep Ip	Pp = Ps / eff	Pp = Es Is / eff
Secondary Power	Ps = Es Is	Ps = Pp eff	Ps = Ep Ip eff
Primary Turns	Np = Ep Ns / Es	Np = Ns Is / (Ip eff)	
Secondary Turns	Ns = Np Es / Ep	Ns = Ip Np eff / Is	
efficiency	eff = Is Es / (Ip Ep)	eff = Ps / Pp	
ratio of Ep higher	ratio = Np/Ns : 1	ratio = Ep / Es : 1	
ratio if Es higher	ratio = 1 : Ns / Np	ratio = 1 : Es / Ep	