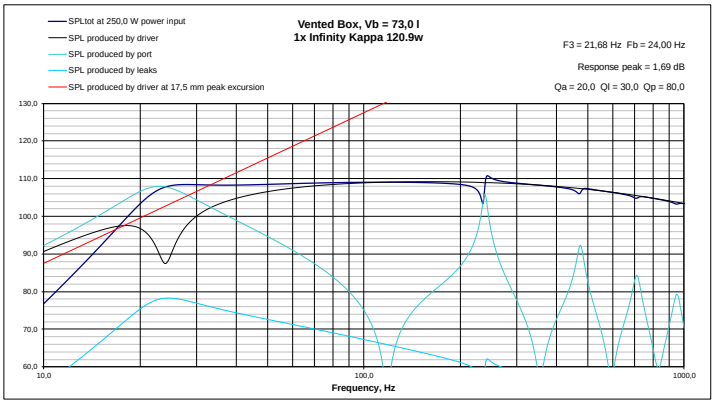
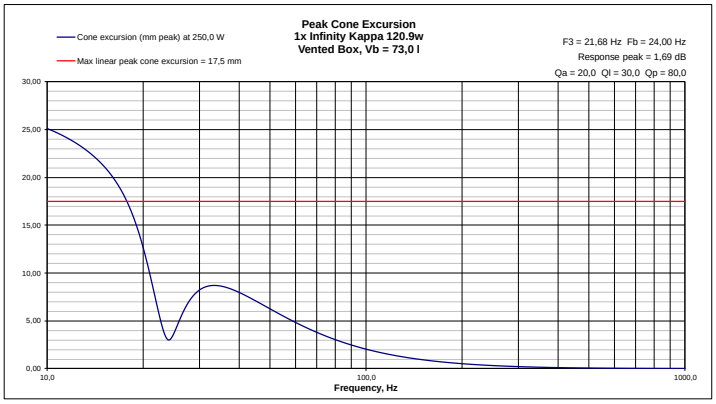
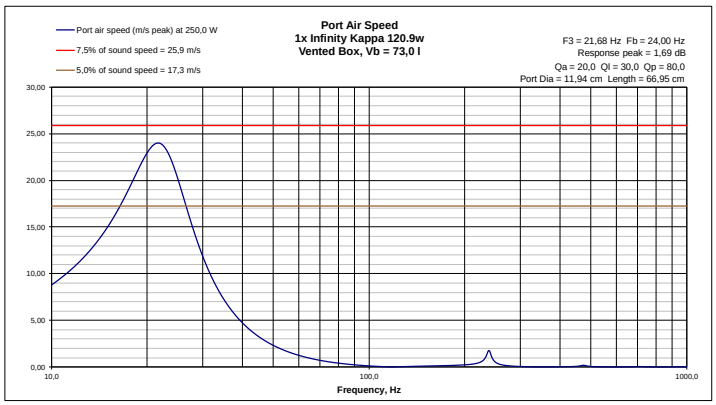
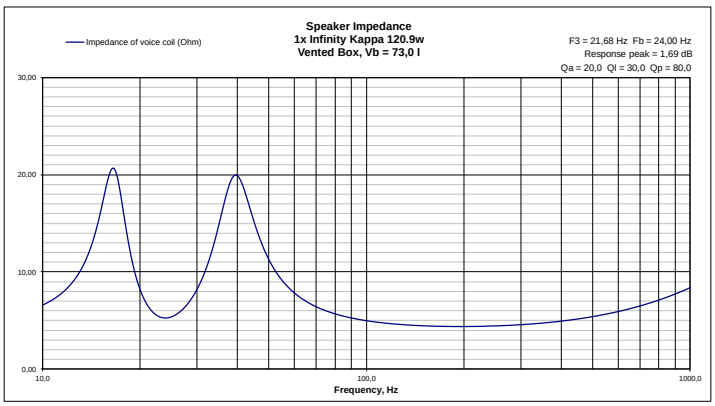
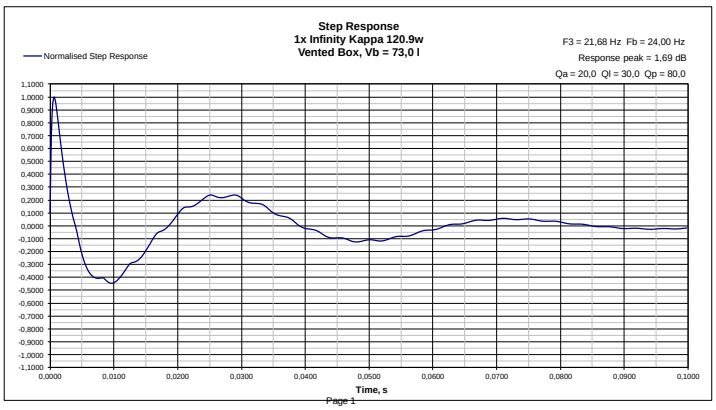

Vented Box, Vb = 73,0 l
1x Infinity Kappa 120.9w
SPLtot at 250,0 W power input
SPL produced by driver
SPL produced by port
SPL produced by leaks
SPL produced by driver at 17,5 mm peak excursion
F3 = 21,68 Hz Fb = 24,00 Hz
Response peak = 1,69 dB
Qa = 20,0 Ql = 30,0 Qp = 80,0
130,0
120,0
110,0
100,0
90,0
80,0
70,0
60,0
10,0
100,0
1000,0
Frequency, Hz


Peak Cone Excursion
1x Infinity Kappa 120.9w
Vented Box, Vb = 73,0 l
Cone excursion (mm peak) at 250,0 W
Max linear peak cone excursion = 17,5 mm
F3 = 21,68 Hz Fb = 24,00 Hz
Response peak = 1,69 dB
Qa = 20,0 Ql = 30,0 Qp = 80,0
30,00
25,00
20,00
15,00
10,00
5,00
0,00
10,0
100,0
1000,0
Frequency, Hz


Port Air Speed
1x Infinity Kappa 120.9w
Vented Box, Vb = 73,0 l
Port air speed (m/s peak) at 250,0 W
7,5% of sound speed = 25,9 m/s
5,0% of sound speed = 17,3 m/s
F3 = 21,68 Hz Fb = 24,00 Hz
Response peak = 1,69 dB
Qa = 20,0 Ql = 30,0 Qp = 80,0
Port Dia = 11,94 cm Length = 66,95 cm
30,00
25,00
20,00
15,00
10,00
5,00
0,00
10,0
100,0
1000,0
Frequency, Hz


Speaker Impedance
1x Infinity Kappa 120.9w
Vented Box, Vb = 73,0 l
Impedance of voice coil (Ohm)
F3 = 21,68 Hz Fb = 24,00 Hz
Response peak = 1,69 dB
Qa = 20,0 Ql = 30,0 Qp = 80,0
30,00
20,00
10,00
0,00
10,0
100,0
1000,0
Frequency, Hz


Step Response
1x Infinity Kappa 120.9w
Vented Box, Vb = 73,0 l
Normalised Step Response
F3 = 21,68 Hz Fb = 24,00 Hz
Response peak = 1,69 dB
Qa = 20,0 Ql = 30,0 Qp = 80,0
1,1000
1,0000
0,9000
0,8000
0,7000
0,6000
0,5000
0,4000
0,3000
0,2000
0,1000
0,0000
-0,1000
-0,2000
-0,3000
-0,4000
-0,5000
-0,6000
-0,7000
-0,8000
-0,9000
-1,0000
-1,1000
0,0000
0,0100
0,0200
0,0300
0,0400
0,0500
0,0600
0,0700
0,0800
0,0900
0,1000
Time, s