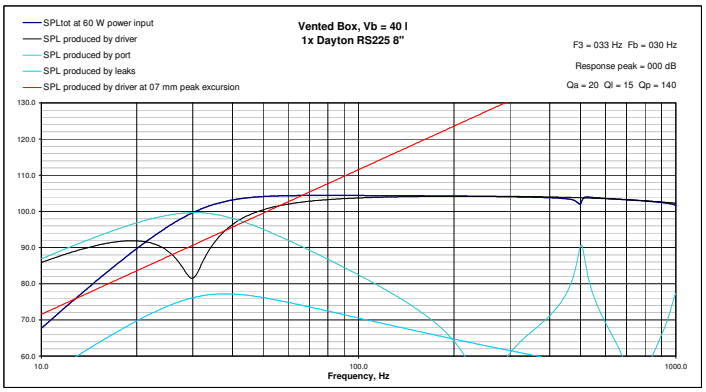
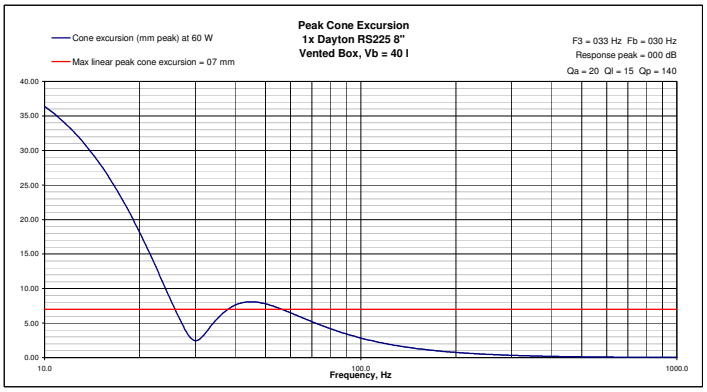
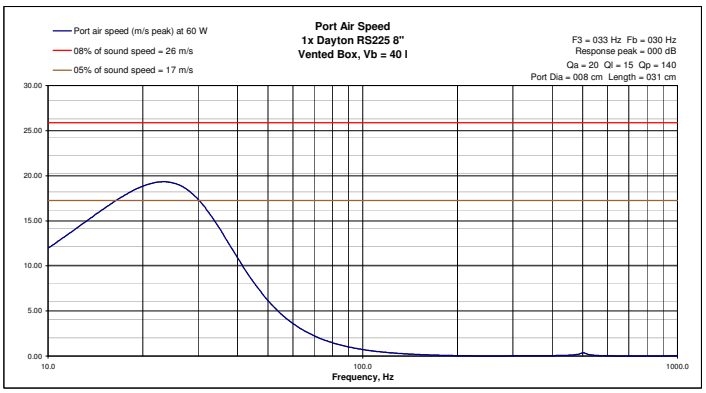
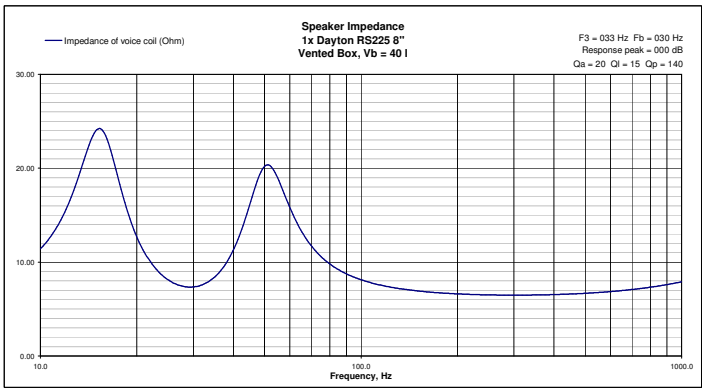
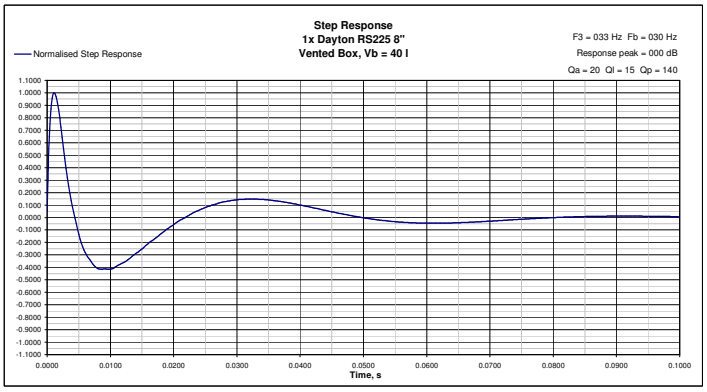

SPLtot at 60 W power input
SPL produced by driver
SPL produced by port
SPL produced by leaks
SPL produced by driver at 07 mm peak excursion
Vented Box, Vb = 40 l
1x Dayton RS225 8"
F3 = 033 Hz Fb = 030 Hz
Response peak = 000 dB
Qa = 20 Ql = 15 Qp = 140
130.0
120.0
110.0
100.0
90.0
80.0
70.0
60.0
10.0
100.0
1000.0
Frequency, Hz


Cone excursion (mm peak) at 60 W
Max linear peak cone excursion = 07 mm
Peak Cone Excursion
1x Dayton RS225 8"
Vented Box, Vb = 40 l
F3 = 033 Hz Fb = 030 Hz
Response peak = 000 dB
Qa = 20 Ql = 15 Qp = 140
40.00
35.00
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 (m/s peak) at 60 W
08% of sound speed = 26 m/s
05% of sound speed = 17 m/s
Port Air Speed
1x Dayton RS225 8"
Vented Box, Vb = 40 l
F3 = 033 Hz Fb = 030 Hz
Response peak = 000 dB
Qa = 20 Ql = 15 Qp = 140
Port Dia = 008 cm Length = 031 cm
30.00
25.00
20.00
15.00
10.00
5.00
0.00
10.0
100.0
1000.0
Frequency, Hz


Impedance of voice coil (Ohm)
Speaker Impedance
1x Dayton RS225 8"
Vented Box, Vb = 40 l
F3 = 033 Hz Fb = 030 Hz
Response peak = 000 dB
Qa = 20 Ql = 15 Qp = 140
30.00
20.00
10.00
0.00
10.0
100.0
1000.0
Frequency, Hz


Normalised Step Response
Step Response
1x Dayton RS225 8"
Vented Box, Vb = 40 l
F3 = 033 Hz Fb = 030 Hz
Response peak = 000 dB
Qa = 20 Ql = 15 Qp = 140
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