



Thiele Small parameters:

Nominal impedance Z_n (Ω)
 Minimum impedance/at freq. Z_{min} (Ω/Hz)
 Maximum impedance Z_o (Ω)
 Dc resistance R_e (Ω)
 Voice coil inductance L_e (mH)
 Capacitor in series with 4 Ω C_c (μF)
 (for impedance compensation)

Resonance Frequency f_s (Hz)
 Mechanical Q factor Q_{ms}
 Electrical Q factor Q_{es}
 Total Q factor Q_{ts}
 F (Ratio f_s/Q_{ts}) F (Hz)

Mechanical resistance R_{ms} (Kg/s)
 Moving mass M_{ms} (g)
 Suspension compliance C_{ms} (mm/N)
 Effective cone diameter D (cm)
 Effective piston area S_d (cm²)
 Equivalent volume V_{as} (ltrs)
 Force factor Bl (N/A)

Reference voltage sensitivity (dB)
 Re 2.83V 1m at 183 Hz (Calculated)

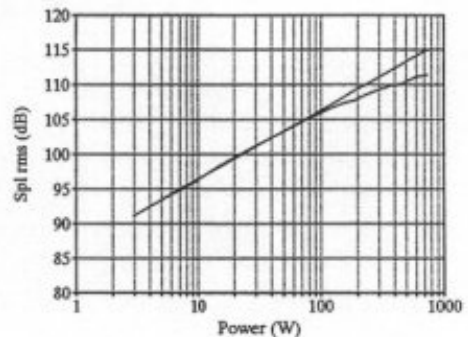
Free air Common Baffled

	4	
	3.6 / 183	
	32.8	
	3.2	
	1.2	
	37	
		25.9
	3.25	3.35
	0.35	0.36
	0.31	0.32
		80
	1.52	
	29.4	31.3
	1.21	
	17.3	
	235	
	92.2	
	6.7	
		91.5

Magnet and voice coil parameters:

Voice coil diameter d (mm) 33
 Voice coil length h (mm) 17
 Voice coil layers n 4
 Flux density in gap B (T) 0.95
 Total useful flux (mWb) 0.90
 Height of the gap h_g (mm) 6
 Diameter of magnet d_m (mm) 102
 Height of magnet h_m (mm) 20
 Weight of magnet (kg) 0.68

Max linear SPL:



Power handling

Longterm Max System Power (IEC) (W) 150

A noise signal simulating normal programme material with a crest factor of 6dB (IEC 268-5) is used in Longterm Power and Lin. SPL tests.
 Frequency range for test signal (HZ) 20-5000

