
Subject: Re: Selenium 12co1P for center and rears to match my 7 PI's

Posted by [Brian Jefferys](#) on Mon, 29 Nov 2004 16:21:43 GMT

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Cut and paste from the Selenium spec sheet. SPECIFICATIONSTHIELE-SMALL PARAMETERS (WOOFER) Nominal diameter . 305 (12) mm(in) Nominal Impedance. 8 Minimum impedance @ 236 Hz. 6.9 Power handling Musical Program. 500 W Sensitivity (1W/1m) averaged from 100 to 10,000 Hz. 94 dB SPL Frequency response @ -10 dB. 55 to 18,000 Hz F_s . 47 Hz V_{as} . 93 (3.28) l (ft) Q_{ts} . 0.46 Q_{es} . 0.52 Q_{ms} . 4.49 ρ (half space). 1.79 % S_d . 0.0510 (79.1) m (in) V_d ($S_d \times X_{max}$). 63.75 (3.89) cm (in) L . 12.8 Tm R_e . 6.3 L_e @ F_s (voice coil inductance @ F_s). 2.287 mH L_e @ 1 kHz (voice coil inductance @ 1 kHz). 0.863 mH L_e @ 20 kHz (voice coil inductance @ 20 kHz). 0.334 mH R_{ed} @ F_s . 0.16 R_{ed} @ 1 kHz. 2.26 R_{ed} @ 20 kHz. 30.03 K r_m . 1.191 mK x_m . 13.833 mH E_{rm} . 0.863 E_{xm} . 0.683 X_{max} (max. excursion (peak) with 10% distortion). 3.0 (0.12) mm(in) X_{lim} (max. excursion (peak) before physical damage). 9.5 (0.37) mm(in) Brian
