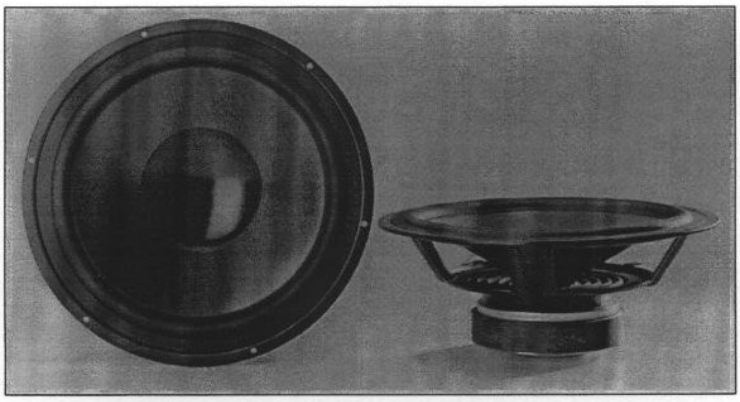
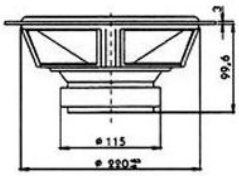
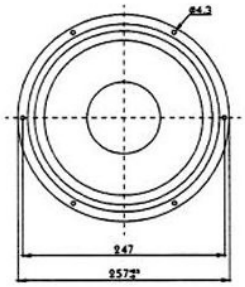
Peerless **CSX 257 H**






## 257 SWR 39 115 SDX 4LAL 4Ω

850147

4Ω version of the high-end 10" woofer 850146, with exceptionally good properties similar to the 8Ω version.

Good results are obtained in reflex boxes with tunings around 28 Hz.

A new feature by these high-end speakers with a 1½" voice coil is a very large and linear spider, resulting in extra good linearity.

A remarkable characteristic is the very robust extra thick iron plate basket with a nice structure lackering.

CSX 257

***Thiele Small parameters:***

| | | | Free air | Common | Baffled |
|---|---|---|---|---|---|
| Nominal impedance | Zn | (Ω) | | 4 | |
| Minimum impedance/at freq. | Zmin | (Ω/Hz) | | 3.1 / 126 | |
| Maximum impedance | Zo | (Ω) | | 24.3 | |
| Dc resistance | Re | (Ω) | | 2.7 | |
| Voice coil inductance | Le | (mH) | | 1.7 | |
| Capacitor in series with 4 Ω (for impedance compensation) | Cc | (μF) | | 65 | |
| Resonance Frequency | fs | (Hz) | 22.7 | | 22.0 |
| Mechanical Q factor | Qms | | 2.87 | | 2.95 |
| Electrical Q factor | Qes | | 0.35 | | 0.36 |
| Total Q factor | Qts | | 0.31 | | 0.32 |
| F (Ratio fs/Qts) | F | (Hz) | | | 68 |
| Mechanical resistance | Rms | (Kg/s) | | 2.67 | |
| Moving mass | Mms | (g) | 53.9 | | 57.1 |
| Suspension compliance | Cms | (mm/N) | | 0.91 | |
| Effective cone diameter | D | (cm) | | 20.5 | |
| Effective piston area | Sd | (cm²) | | 330 | |
| Equivalent volume | Vas | (ltrs) | | 137.7 | |
| Force factor | Bl | (N/A) | | 7.6 | |
| Reference voltage sensitivity | | (dB) | | | 91.5 |

Re 2.83V 1m at 126 Hz (Calculated)

***Magnet and voice coil parameters:***

| | | | |
|---|---|---|---|
| Voice coil diameter | d | (mm) | 39 |
| Voice coil length | h | (mm) | 23 |
| Voice coil layers | n | | 4 |
| Flux density in gap | B | (T) | 0.93 |
| Total useful flux | | (mWb) | 1.38 |
| Height of the gap | hg | (mm) | 8 |
| Diameter of magnet | dm | (mm) | 115 |
| Height of magnet | hm | (mm) | 22 |
| Weight of magnet | | (kg) | 0.87 |

***Max linear SPL:***