

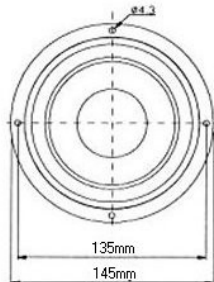
145 WR 26 90 SD 8Ω

850106

High quality 5" woofer with Peerless' "Sandwich" cone and an extra heavy magnet.

It is a CSC woofer highly recommended in satellites and as midrange in three-way-systems. The 850106 has remarkably high sensitivity and a low Q.

Furthermore, it is suitable for use in small reflex boxes of 5-10 ltrs., provided that high sensitivity and well controlled bass is with a high priority.



CSC 145

Thiele Small parameters:

| | | Free air | Common | Baffled |
|---|-------------|----------|-----------|---------|
| Nominal impedance | Zn (Ω) | | 8 | |
| Minimum impedance/at freq. | Zmin (Ω/Hz) | | 6.8 / 316 | |
| Maximum impedance | Zo (Ω) | | 35.4 | |
| Dc resistance | Re (Ω) | | 6.2 | |
| Voice coil inductance | Le (mH) | | 1.2 | |
| Capacitor in series with 8 Ω (for impedance compensation) | Cc (μF) | | 10 | |
| Resonance Frequency | fs (Hz) | 51.0 | | 50.0 |
| Mechanical Q factor | Qms | 1.95 | | 1.99 |
| Electrical Q factor | Qes | 0.42 | | 0.42 |
| Total Q factor | Qts | 0.34 | | 0.35 |
| F (Ratio fs/Qts) | F (Hz) | | | 143 |
| Mechanical resistance | Rms (Kg/s) | | 1.56 | |
| Moving mass | Mms (g) | 9.5 | | 9.9 |
| Suspension compliance | Cms (mm/N) | | 1.03 | |
| Effective cone diameter | D (cm) | | 10.8 | |
| Effective piston area | Sd (cm²) | | 91 | |
| Equivalent volume | Vas (ltrs) | | 11.7 | |
| Force factor | Bl (N/A) | | 6.7 | |
| Reference voltage sensitivity | (dB) | | | 88.0 |
| Re 2.83V 1m at 316 Hz (Calculated) | | | | |

Magnet and voice coil parameters:

| | | |
|---------------------|---------|------|
| Voice coil diameter | d (mm) | 26 |
| Voice coil length | h (mm) | 13 |
| Voice coil layers | n | 2 |
| Flux density in gap | B (T) | 1.16 |
| Total useful flux | (mWb) | 0.77 |
| Height of the gap | hg (mm) | 6 |
| Diameter of magnet | dm (mm) | 90 |
| Height of magnet | hm (mm) | 15 |
| Weight of magnet | (kg) | 0.4 |

Max linear SPL:

