



176 WR 33 102 SD AL 8Ω

850122

High quality 6½" woofer with Peerless' "Sandwich" cone and a heavy magnet.

This 6½" CSX woofer is supplied with a short circuiting ring in the magnet system to secure extra low distortion.

The data on this woofer makes it suitable for use in reflex boxes of 8-50 ltrs. Further, it is recommendable as midrange in larger high-end systems as well as in high-quality satellite systems.

CSX 176

**Thiele Small parameters:**

		Free air	Common	Baffled
Nominal impedance	Zn (Ω)		8	
Minimum impedance/at freq.	Zmin (Ω/Hz)		6.5 / 230	
Maximum impedance	Zo (Ω)		31.7	
Dc resistance	Re (Ω)		6.1	
Voice coil inductance	Le (mH)		1.3	
Capacitor in series with 8 Ω (for impedance compensation)	Cc (μF)		9	
Resonance Frequency	fs (Hz)	38.0		36.8
Mechanical Q factor	Qms	2.22		2.29
Electrical Q factor	Qes	0.53		0.55
Total Q factor	Qts	0.43		0.44
F (Ratio fs/Qts)	F (Hz)			83
Mechanical resistance	Rms (Kg/s)		1.92	
Moving mass	Mms (g)	17.8		19.0
Suspension compliance	Cms (mm/N)		0.99	
Effective cone diameter	D (cm)		13.5	
Effective piston area	Sd (cm <sup>2</sup> )		143	
Equivalent volume	Vas (lts)		27.7	
Force factor	Bl (N/A)		7.0	
Reference voltage sensitivity	(dB)			86.5
Re 2.83V 1m at 230 Hz (Calculated)				

**Magnet and voice coil parameters:**

Voice coil diameter	d (mm)	33
Voice coil length	h (mm)	17
Voice coil layers	n	2
Flux density in gap	B (T)	1.08
Total useful flux	(mWb)	0.94
Height of the gap	hg (mm)	6
Diameter of magnet	dm (mm)	102
Height of magnet	hm (mm)	16
Weight of magnet	(kg)	0.54

**Max linear SPL:**