



217 WR 33 102 SD 4L AL 4Ω

850137

High quality 8" woofer with Peerless' "Sandwich" cone. The heavy magnet makes it suitable for obtaining optimal bass reflex tuning in boxes of 12-90 ltrs. Please notice that in boxes of 90 ltrs. a -3 dB by 30 Hz is obtainable.

This is a 4Ω version of the 850136 CSX woofer.

Furthermore, the 850137 is suitable for use in small closed boxes as the long voice coil gives very good linearity. The 850137 is a highly recommendable high-end CSX woofer.

CSX 217

Thiele Small parameters:

		Free air	Common	Baffled
Nominal impedance	Zn (Ω)		4	
Minimum impedance/at freq.	Zmin (Ω/Hz)		3.6 / 183	
Maximum impedance	Zo (Ω)		32.8	
Dc resistance	Re (Ω)		3.2	
Voice coil inductance	Le (mH)		1.2	
Capacitor in series with 4 Ω (for impedance compensation)	Cc (μF)		37	
Resonance Frequency	fs (Hz)	26.7		25.9
Mechanical Q factor	Qms	3.25		3.35
Electrical Q factor	Qes	0.35		0.36
Total Q factor	Qts	0.31		0.32
F (Ratio fs/Qts)	F (Hz)			80
Mechanical resistance	Rms (Kg/s)		1.52	
Moving mass	Mms (g)	29.4		31.3
Suspension compliance	Cms (mm/N)		1.21	
Effective cone diameter	D (cm)		17.3	
Effective piston area	Sd (cm²)		235	
Equivalent volume	Vas (ltrs)		92.2	
Force factor	Bl (N/A)		6.7	
Reference voltage sensitivity	(dB)			91.5
Re 2.83V 1m at 183 Hz (Calculated)				

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	hg (mm)	6
Diameter of magnet	dm (mm)	102
Height of magnet	hm (mm)	20
Weight of magnet	(kg)	0.68

Max linear SPL:

