

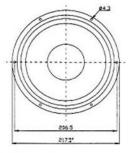
217 WR 33 102 SD 4L AL 8Ω

850136

High quality 8" woofer with Peerless' "Sandwich" cone. The heavy magnet makes it suitable for obtaining optimal bass reflex tuning in boxes of 15-50 ltrs.

The smooth response is ideal for two-way-systems and the long voice coil gives very good linearity.

The 850136 is a highly recommendable high-end CSX woofer.



CSX 217

Thiele Small parameters

				COMMISSION	Darrico
Nominal impedance	Zn	(D)		8	
Minimum impedance/at freq.	Zmin	(Q/Hz)	1	6.6 / 188	
Maximum impedance	Zo	(Q)	1	76.5	
De resistance	Re	(Q)		5.9	1
Voice coil inductance	Le	(mH)	1	2.6	l
Capacitor in series with 8 Ω	Cc	(uf)	1	21	l
(for impedance compensation)				1000	
Resonance Frequency	fs	(Hz)	28.2		27.4
Mechanical O factor	Qms		3.50		3.61
Electrical Q factor	Qes		0.29	1	0.30
Total O factor	Qts		0.27		0.28
F (Ratio fs/Qts)	F	(Hz)	100,000		99
Mechanical resistance	Rms	(Kg/s)		1.54	
Moving mass	Mms	(g)	30.5		32.4
Suspension compliance	Cms	(mm/N)		1.04	
Effective cone diameter	D	(cm)	1	17.3	
Effective piston area	Sd	(cm*)		235	
Equivalent volume	Vas	(ltrs)	1	79.7	
Force factor	BI	(N/A)		10.4	
Reference voltage sensitivity		(dB)			89.5
	Calcula			-	

Magnet and voice coil parameters:

Voice coil diameter	d	(mm)	33
Voice coil length	h	(mm)	14
Voice coil layers	n	110	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:

