

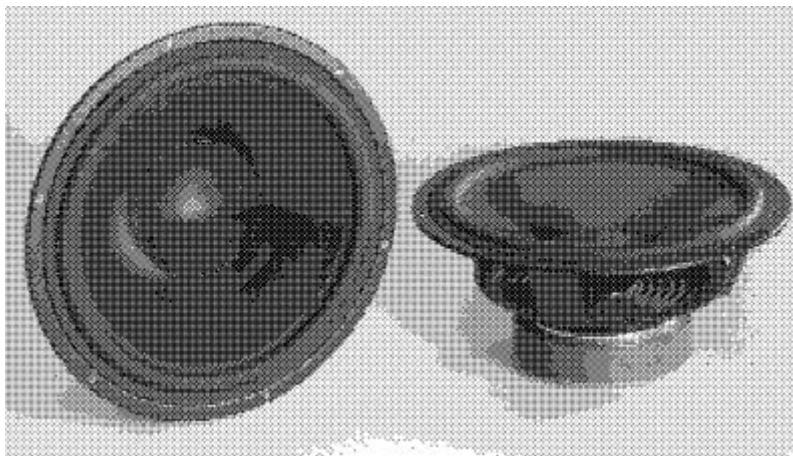
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Peerless Data Sheet

CSX 217 C

217 WR 33 102 SD 4L AL 4 ohm - Order ID: 850519

High quality 8" CSX woofer with Peerless' "Sandwich" cone. The 850519 is highly recommended for car hi-fi systems where it can be mounted in the door, in the parcel shelf or in a separate box, for instance a closed box down to 15 ltrs. or larger reflex boxes. The features of this loudspeaker unit are a heavy magnet, Peerless' "Sandwich" cone and a short cirquiting ring around the pole piece. The long voice coil gives very good linearity and very superior sound.



CSX 217 C**Thiele Small parameters:**

Nominal impedance	Zn	(ohm)
Minimum impedance/at freq.	Zmin	(ohm/Hz)
Maximum impedance	Zo	(ohm)
DC resistance	Re	(ohm)
Voice coil inductance	Le	(mH)
Capacitor in series with 4 ohm (for impedance compensation)	Cc	(μ F)
Resonance Frequency	fs	(Hz)
Mechanical Q factor	Qms	
Electrical Q factor	Qes	
Total Q factor	Qts	
F (Ratio fs/Qts)	F	(Hz)
Mechanical resistance	Rms	(Kg/s)
Moving mass	Mms	(g)
Suspension compliance	Cms	(mm/N)
Effective cone diameter	D	(cm)
Effective piston area	Sd	(cm ²)
Equivalent volume	VAS	(ltrs)
Force factor	Bl	(N/A)
Reference voltage sensitivity Re 2.83V 1m at 173 Hz (Measured)		(dB)

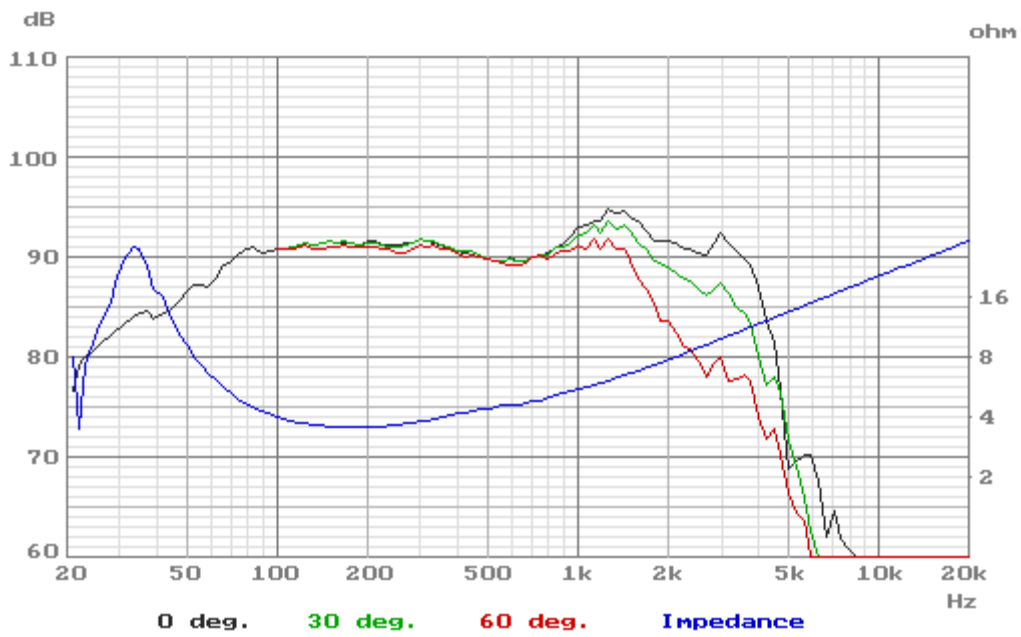
	Free air	Common	Baffled
		4	
		3.4/173	
		31.4	
		3.1	
		1.2	
		38	
	35.2		34.2
	4.57		4.71
	0.50		0.52
	0.45		0.47
			73
	31.8	1.54	33.7
		0.64	
		17.3	
		235	
		49.1	
		6.6	
			91.0

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

Power handling:

Long term Max System Power (IEC)	(W)	150
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Measuring methods and conditions are stated in Peerless Standard for Acoustic Measurements (PSAM)