

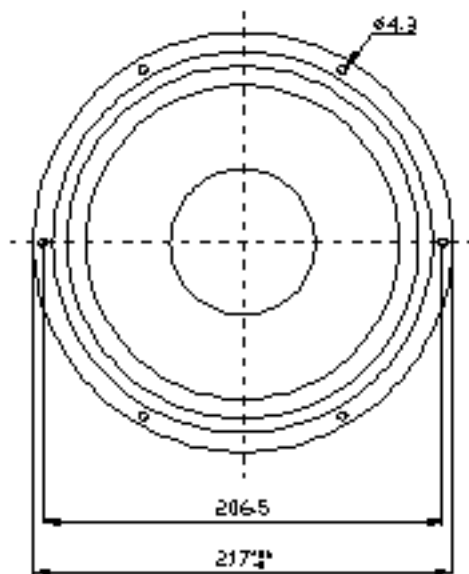
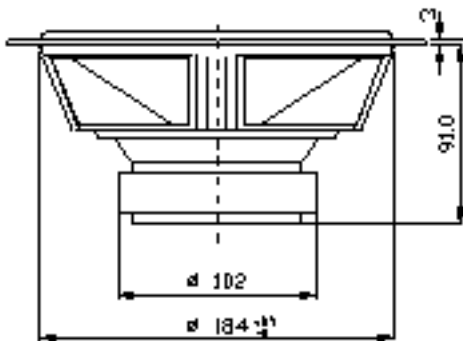


# Peerless Data Sheet

## CSX 217 H

217 WR 33 102 SD 4L AL 8 ohm - Order ID: 850136

High-end woofer with a large four layer voice coil and heavy magnet. Well suited for reflex constructions where the driver due to a low resonance frequency will produce a deep and dry bass. Excellent midrange response makes this unit very easy to filter. In fact, the driver can be used in a 2-way system (with a cross-over frequency at 3 KHz).



**CSX 217 H**Thiele Small parameters:

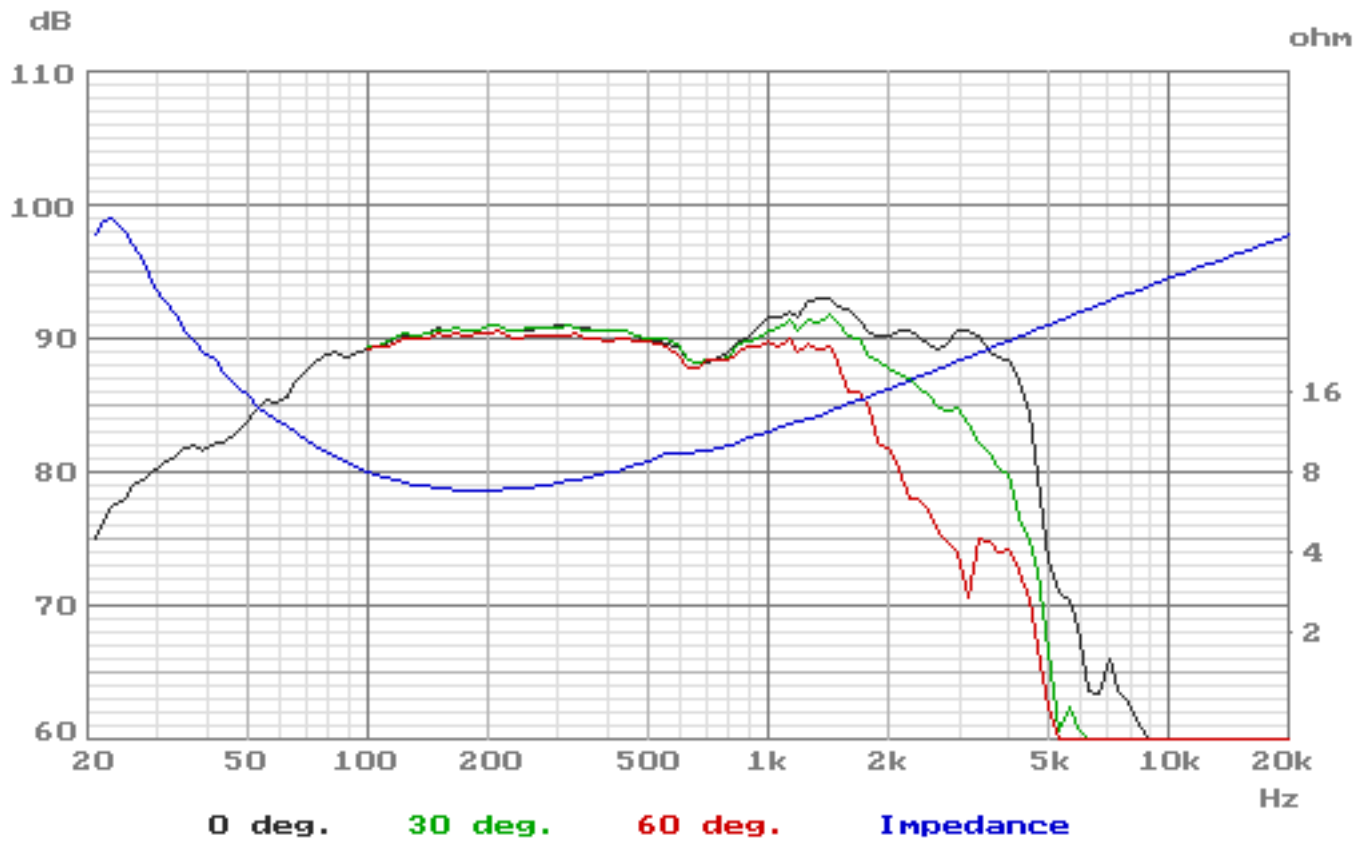
			Free air	Common	Baffled
Nominal impedance	Zn	(ohm)		8	
Minimum impedance/at freq.	Zmin	(ohm/Hz)		6.6/188	
Maximum impedance	Zo	(ohm)		76.5	
DC resistance	Re	(ohm)		5.9	
Voice coil inductance	Le	(mH)		2.6	
Capacitor in series with 8 ohm (for impedance compensation)	Cc	( $\mu$ F)		21	
Resonance Frequency	fs	(Hz)	28.2		27.4
Mechanical Q factor	Qms		3.50		3.61
Electrical Q factor	Qes		0.29		0.30
Total Q factor	Qts		0.27		0.28
F (Ratio fs/Qts)	F	(Hz)			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)		17.3	
Effective piston area	Sd	(cm <sup>2</sup> )		235	
Equivalent volume	VAS	(ltrs)		79.7	
Force factor	Bl	(N/A)		10.4	
Reference voltage sensitivity Re 2.83V 1m at 188 Hz (Measured)		(dB)			89.5

Magnet and voice coil parameters:

Voice coil diameter	d	(mm)	33		
Voice coil length	h	(mm)	14		
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)