

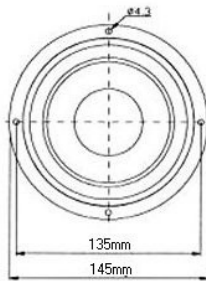
145 WR 26 90 SD AL 8Ω

850108

High quality, high-end 5" woofer with Peerless' "Sandwich" cone and an extra heavy magnet.

This is a CSX woofer with a very long voice coil and a short cirquiting ring in the magnet system which gives excellent linearity and low distortion.

It is suitable for use as high-end midrange, and we also recommend it for use in small closed, active box systems. Furthermore, it is suitable for use as woofer in two-way-systems with bass reflex boxes of 5-10 ltrs.



CSX 145

Thiele Small parameters:

		Free air	Common	Baffled
Nominal impedance	Zn (Ω)		8	
Minimum impedance/at freq.	Zmin (Ω/Hz)		6.6 / 345	
Maximum impedance	Zo (Ω)		31.9	
Dc resistance	Re (Ω)		6.1	
Voice coil inductance	Le (mH)		0.9	
Capacitor in series with 8 Ω (for impedance compensation)	Cc (μF)		7	
Resonance Frequency	fs (Hz)	48.0		47.1
Mechanical Q factor	Qms	1.78		1.82
Electrical Q factor	Qes	0.42		0.43
Total Q factor	Qts	0.34		0.35
F (Ratio fs/Qts)	F (Hz)			136
Mechanical resistance	Rms (Kg/s)		1.70	
Moving mass	Mms (g)	10.0		10.4
Suspension compliance	Cms (mm/N)		1.09	
Effective cone diameter	D (cm)		10.8	
Effective piston area	Sd (cm ²)		91	
Equivalent volume	Vas (ltrs)		12.5	
Force factor	Bl (N/A)		6.6	
Reference voltage sensitivity Re 2.83V 1m at 345 Hz (Calculated)	(dB)			87.5

Magnet and voice coil parameters:

Voice coil diameter	d (mm)	26
Voice coil length	h (mm)	15
Voice coil layers	n	2
Flux density in gap	B (T)	1.17
Total useful flux	(mWb)	0.81
Height of the gap	hg (mm)	6
Diameter of magnet	dm (mm)	90
Height of magnet	hm (mm)	15
Weight of magnet	(kg)	0.4

Max linear SPL: