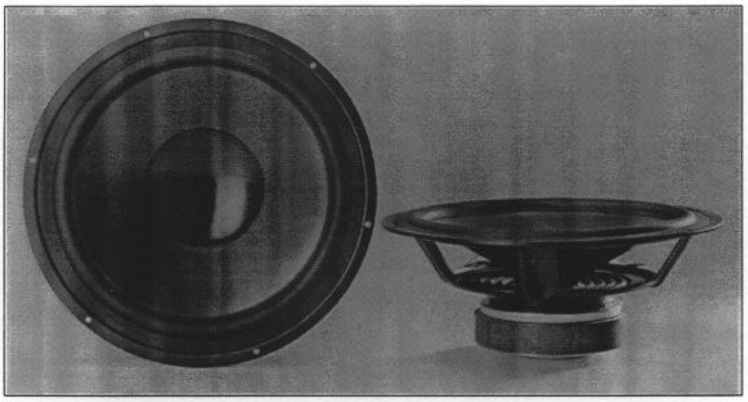
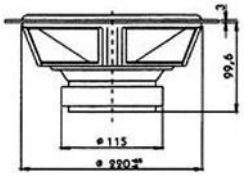
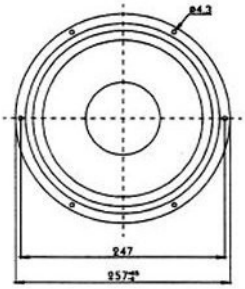
Peerless **CSX 257 H**







257 SWR 39 115 SDX 4LAL 8Ω **850146**

High-end 10" woofer with a 5 layer "Sandwich" cone, extra heavy magnet, extra long 4 layer coil and distortion killer shortcirquit ring in the magnet system. This gives exceptionally good linearity and very deep and clean bass.

Also, remark the very smooth response.This CSX 10" woofer is recommended for very versatile use in closed as well as vented boxes. In a reflex box of 100 ltrs. with tunings around 23 Hz it keeps level down to 30 Hz.

A remarkable characteristic is the very robust extra thick iron plate basket with a nice structure lackering.

CSX 257

Thiele Small parameters:

			Free air	Common	Baffled
Nominal impedance	Zn	(Ω)		8	
Minimum impedance/at freq.	Zmin	(Ω/Hz)		6.2 / 130	
Maximum impedance	Zo	(Ω)		40.3	
Dc resistance	Re	(Ω)		5.5	
Voice coil inductance	Le	(mH)		2.9	
Capacitor in series with 8 Ω (for impedance compensation)	Cc	(μF)		25	
Resonance Frequency	fs	(Hz)	22.6		21.9
Mechanical Q factor	Qms		2.56		2.64
Electrical Q factor	Qes		0.40		0.42
Total Q factor	Qts		0.35		0.36
F (Ratio fs/Qts)	F	(Hz)			61
Mechanical resistance	Rms	(Kg/s)		2.87	
Moving mass	Mms	(g)	51.9		55.1
Suspension compliance	Cms	(mm/N)		0.96	
Effective cone diameter	D	(cm)		20.5	
Effective piston area	Sd	(cm²)		330	
Equivalent volume	Vas	(ltrs)		144.4	
Force factor	Bl	(N/A)		10.0	
Reference voltage sensitivity Re 2.83V 1m at 130 Hz (Calculated)		(dB)			88.2

Magnet and voice coil parameters:

Voice coil diameter	d	(mm)	39
Voice coil length	h	(mm)	26
Voice coil layers	n		4
Flux density in gap	B	(T)	0.85
Total useful flux		(mWb)	1.34
Height of the gap	hg	(mm)	8
Diameter of magnet	dm	(mm)	115
Height of magnet	hm	(mm)	22
Weight of magnet		(kg)	0.87

Max linear SPL: