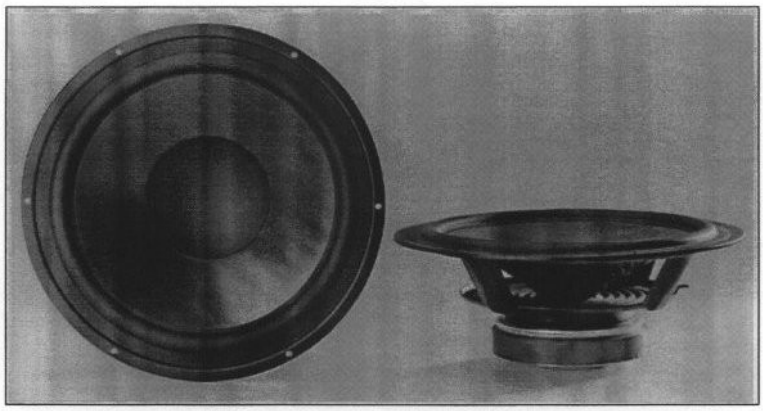
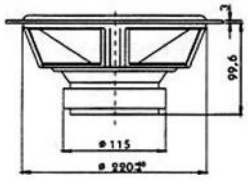
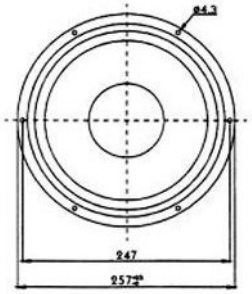
Peerless **CSC 257 H**







257 WR 39 115 SDX 4Ω

850145

4Ω version of the 850144 with extra heavy magnet and Peerless' "Sandwich" cone. Like the 850144 this CSC 10" woofer gives extended bass down to 30 HZ in very large reflex boxes, with tunings around 27 Hz.

Good results are also obtained in boxes down to 30 ltrs. where tunings around 30-35 Hz gives impressive bass.

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

CSC 257

Thiele Small parameters:

			Free air	Common	Baffled
Nominal impedance	Zn	(Ω)		4	
Minimum impedance/at freq.	Zmin	(Ω/Hz)		3.4 / 137	
Maximum impedance	Zo	(Ω)		19.9	
Dc resistance	Re	(Ω)		3.0	
Voice coil inductance	Le	(mH)		1.5	
Capacitor in series with 4 Ω (for impedance compensation)	Cc	(μF)		47	
Resonance Frequency	fs	(Hz)	23.7		23.0
Mechanical Q factor	Qms		2.26		2.34
Electrical Q factor	Qes		0.40		0.42
Total Q factor	Qts		0.34		0.35
F (Ratio fs/Qts)	F	(Hz)			65
Mechanical resistance	Rms	(Kg/s)		3.06	
Moving mass	Mms	(g)	46.4		49.6
Suspension compliance	Cms	(mm/N)		0.97	
Effective cone diameter	D	(cm)		20.5	
Effective piston area	Sd	(cm²)		330	
Equivalent volume	Vas	(ltrs)		145.9	
Force factor	Bl	(N/A)		7.2	
Reference voltage sensitivity Re 2.83V 1m at 137 Hz (Calculated)		(dB)			91.4

Magnet and voice coil parameters:

Voice coil diameter	d	(mm)	39
Voice coil length	h	(mm)	18
Voice coil layers	n		2
Flux density in gap	B	(T)	1.08
Total useful flux		(mWb)	1.48
Height of the gap	hg	(mm)	8
Diameter of magnet	dm	(mm)	115
Height of magnet	hm	(mm)	17.5
Weight of magnet		(kg)	0.69

Max linear SPL: