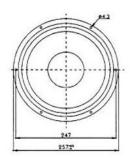


257 WR 39 115 SDX 8Ω

850144



A 10" woofer with extra heavy magnet and Peerless' "Sandwich" cone. The SDX in the descriptive code indicates that it has a thick and well-damped 5 layer diaphragm construction.

The data makes it versatilly suitable for closed boxes as well as reflex boxes with an extended bass response dependent of the box volume. With tunings of 23 Hz it keeps level down to 30 Hz in a box of 150 ltrs.

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

## CSC 257

## Thiele Small parameters

Nominal impedance	Zn	(Q)
Minimum impedance/at freq.	Zmin (Q/Hz)	
Maximum impedance	Zo	(n)
De resistance	Re	(Ω)
Voice coil inductance	Le	(mH)
Capacitor in series with 8 Ω	Cc	(uf)
(for impedance compensation)		
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	(am*)
Equivalent volume	Vas	(ltrs)
Force factor	Bl	(N/A)
Reference voltage sensitivity		(dB)
	alculat	ted)

	8 6.3/145 29.7 5.6 1.9 15	
24.9 2.32 0.54 0.44		24.1 2.40 0.56 0.45 53
44.6	3.01 0.91 20.5 330 137.6 8.5	47.8
		88.0

## Magnet and voice coil parameters:

Voice coil diameter	d	(mm)	39
Voice coil length	h	(mm)	18
Voice coil layers	n	1000000	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:

