



145 WR 26 90 SD 4Ω

850107

High quality 5" woofer with Peerless' "Sandwich" cone and an extra heavy magnet. This 5" woofer is a 4Ω version of the 850106 CSC woofer.

It is a CSC woofer highly recommended in satellites and as midrange in three-way-systems. The 850107 has remarkably high sensitivity and a low Q.

Furthermore, it is suitable for use in small reflex boxes of around 5 litres.

CSC 145

**Thiele Small parameters:**

		Free air	Common	Baffled
Nominal impedance	Zn (Ω)		4	
Minimum impedance/at freq.	Zmin (Ω/Hz)		4.1 / 325	
Maximum impedance	Zo (Ω)		24.4	
Dc resistance	Re (Ω)		3.7	
Voice coil inductance	Le (mH)		0.8	
Capacitor in series with 4 Ω (for impedance compensation)	Cc (μF)		31	
Resonance Frequency	fs (Hz)	51.0		49.9
Mechanical Q factor	Qms	1.90		1.95
Electrical Q factor	Qes	0.34		0.35
Total Q factor	Qts	0.29		0.30
F (Ratio fs/Qts)	F (Hz)			168
Mechanical resistance	Rms (Kg/s)		1.46	
Moving mass	Mms (g)	8.7		9.1
Suspension compliance	Cms (mm/N)		1.12	
Effective cone diameter	D (cm)		10.8	
Effective piston area	Sd (cm <sup>2</sup> )		91	
Equivalent volume	Vas (lts)		12.8	
Force factor	Bl (N/A)		5.5	
Reference voltage sensitivity	(dB)			91.0
Re 2.83V 1m at 325 Hz (Calculated)				

**Magnet and voice coil parameters:**

Voice coil diameter	d (mm)	26
Voice coil length	h (mm)	11
Voice coil layers	n	2
Flux density in gap	B (T)	1.16
Total useful flux	(mWb)	0.77
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:**

