



176 WR 33 102 SD 8Ω

850118

High quality 6½" woofer with Peerless' "Sandwich" cone, a 1.25" voice coil, and a heavy magnet.

The data on this CSC woofer makes in suitable for use in reflex boxes of 8-50 ltrs.

As this 6½" woofer gives well-controlled deep bass in larger boxes it is recommended as subwoofer. Further, it is suitable for use in small boxes in satellite systems or as midrange in larger systems.

CSC 176

Thiele Small parameters:

Nominal impedance	Zn (Ω)	8	
Minimum impedance/at freq.	Zmin (Ω/Hz)	6.6 / 211	
Maximum impedance	Zo (Ω)	33.3	
Dc resistance	Re (Ω)	6.1	
Voice coil inductance	Le (mH)	1.6	
Capacitor in series with 8 Ω (for impedance compensation)	Cc (μF)	12	
Resonance Frequency	fs (Hz)	38.5	37.2
Mechanical Q factor	Qms	2.28	2.36
Electrical Q factor	Qes	0.51	0.53
Total Q factor	Qts	0.42	0.43
F (Ratio fs/Qts)	F (Hz)		87
Mechanical resistance	Rms (Kg/s)		
Moving mass	Mms (g)	16.9	1.79
Suspension compliance	Cms (mm/N)		1.01
Effective cone diameter	D (cm)		13.5
Effective piston area	Sd (cm²)		143
Equivalent volume	Vas (ltrs)		28.5
Force factor	Bl (N/A)		7.0
Reference voltage sensitivity	(dB)		87.0
Re 2.83V 1m at 211 Hz (Calculated)			

	Free air	Common	Baffled
Zn (Ω)	8		
Zmin (Ω/Hz)	6.6 / 211		
Zo (Ω)	33.3		
Re (Ω)	6.1		
Le (mH)	1.6		
Cc (μF)	12		
fs (Hz)	38.5		37.2
Qms	2.28		2.36
Qes	0.51		0.53
Qts	0.42		0.43
F (Hz)			87
Mms (g)	16.9	1.79	18.1
Cms (mm/N)		1.01	
D (cm)		13.5	
Sd (cm²)		143	
Vas (ltrs)		28.5	
Bl (N/A)		7.0	
(dB)			87.0

Magnet and voice coil parameters:

Voice coil diameter	d (mm)	33
Voice coil length	h (mm)	17
Voice coil layers	n	2
Flux density in gap	B (T)	1.08
Total useful flux	(mWb)	0.94
Height of the gap	hg (mm)	6
Diameter of magnet	dm (mm)	102
Height of magnet	hm (mm)	16
Weight of magnet	(kg)	0.54

Max linear SPL:

