



116 WR 26 81 SD 4Ω

850103

Small high quality woofer/midrange speaker with Peerless 'Sandwich' cone.

Due to the heavy magnet and the resulting low Q this speaker gives a well-controlled bass in a very small reflex box of 3-6 ltrs. Its main applications are, however, in small closed box satellite systems down to 1 ltr. or as midrange in a three-way-system with separate volume of about 0.8 ltrs.

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

CSC 116

Thiele Small parameters:

		Free air	Common	Baffled
Nominal impedance	Zn (Ω)		4	
Minimum impedance/at freq.	Zmin (Ω/Hz)		3.5 / 365	
Maximum impedance	Zo (Ω)		19.1	
Dc resistance	Re (Ω)		3.2	
Voice coil inductance	Le (mH)		0.6	
Capacitor in series with 4 Ω (for impedance compensation)	Cc (μF)		21	
Resonance Frequency	fs (Hz)	78.5		77.0
Mechanical Q factor	Qms	2.50		2.54
Electrical Q factor	Qes	0.49		0.50
Total Q factor	Qts	0.41		0.42
F (Ratio fs/Qts)	F (Hz)			183
Mechanical resistance	Rms (Kg/s)		1.25	
Moving mass	Mms (g)	6.4		6.6
Suspension compliance	Cms (mm/N)		0.65	
Effective cone diameter	D (cm)		8.6	
Effective piston area	Sd (cm ²)		58	
Equivalent volume	Vas (ltrs)		3.0	
Force factor	Bl (N/A)		4.5	
Reference voltage sensitivity	(dB)			89.4
Re 2.83V 1m at 365 Hz (Calculated)				

Magnet and voice coil parameters:

Voice coil diameter	d (mm)	26
Voice coil length	h (mm)	8
Voice coil layers	n	2
Flux density in gap	B (T)	1.02
Total useful flux	(mWb)	0.88
Height of the gap	hg (mm)	6
Diameter of magnet	dm (mm)	81
Height of magnet	hm (mm)	15
Weight of magnet	(kg)	0.32

Max linear SPL:

