

Peerless

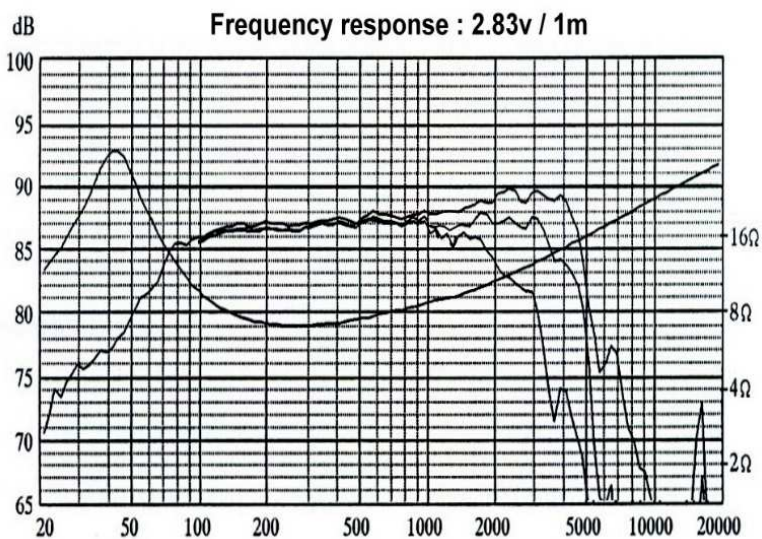
6 $\frac{1}{2}$ " MID-WOOFER

850438 HDS182

182 WR 33 102 SD AL PH LS 8Ω



High End mid-woofer
Ventilated spider
Rigid aerodynamic cast aluminium basket
Very low distortion magnet system
Multiple layers sandwich cone



SPECIFICATION

Thiele Small parameters:

Nominal impedance	Zn (Ω)	8
Minimum impedance/at freq.	Zmin (Ω/Hz)	7.2 / 259
Maximum impedance	Zo (Ω)	37.6
Dc resistance	Re (Ω)	6.3
Voice coil inductance	Le (mH)	1.4
Capacitor in series with 8 Ω (for impedance compensation)	Cc (μF)	9

Resonance Frequency	fs (Hz)	43.0
Mechanical Q factor	Qms	2.40
Electrical Q factor	Qes	0.48
Total Q factor	Qts	0.40
F (Ratio fs/Qts)	F (Hz)	107

Mechanical resistance	Rms (Kg/s)	2.31
Moving mass	Mms (g)	20.5
Suspension compliance	Cms (mm/N)	0.67
Effective cone diameter	D (cm)	13.1
Effective piston area	Sd (cm ²)	134
Equivalent volume	Vas (ltrs)	16.6
Force factor	Bl (N/A)	8.5

Reference voltage sensitivity	(dB)	86.3
Re 2.83V 1m at 259 Hz (Calculated)		

Magnet and voice coil parameters:

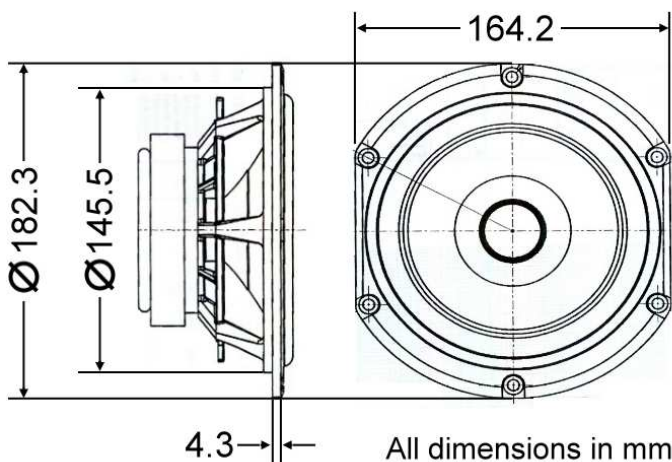
Voice coil diameter	d (mm)	33
Voice coil length	h (mm)	17
Voice coil layers	n	2
Flux density in gap	B (T)	1.16
Total useful flux	(mWb)	1.01
Height of the gap	hg (mm)	6
Diameter of magnet	dm (mm)	102
Height of magnet	hm (mm)	20
Weight of magnet	(kg)	0.68

Power handling

Longterm Max System Power (IEC)	(W)	150
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Suggested Applications

Vb	Fb	Dp	Lp
liters	Hz	cm	cm
16	44	5	12
12	47	5	15



All dimensions in mm