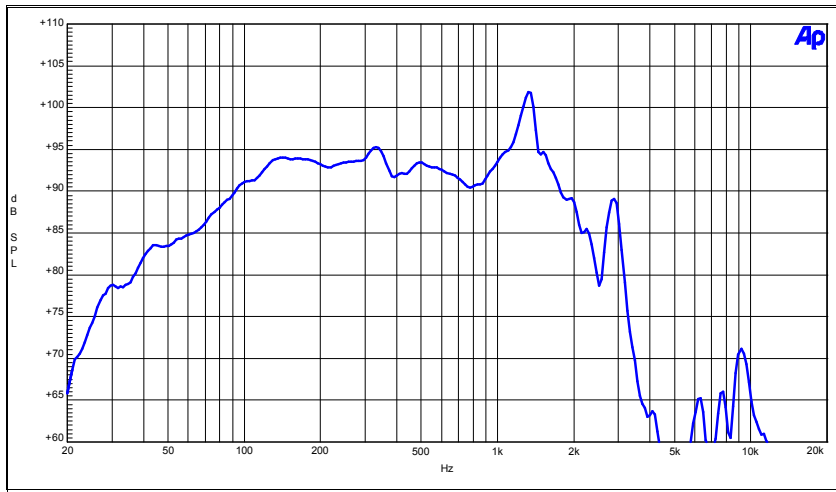


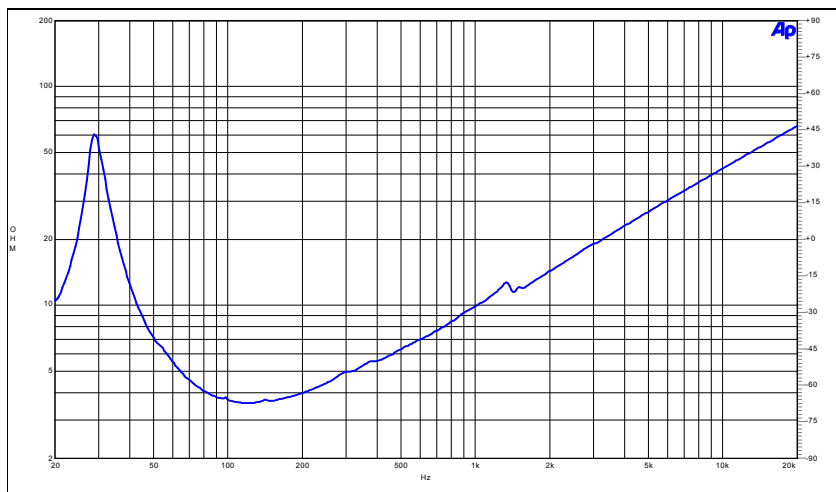


18PS100-4 Rev: 0

Frequency Response



Impedance



Specifications

Nominal Diameter	18"
Nominal Impedance	4 Ω
Minimum Impedance	3,5 Ω
Power Handling	
Nominal ¹	700 W
Continuous Program ²	1.400 W
Sensitivity (1W/1m) ³	95,5 dB
Frequency Range	Fs to 1500 Hz
Voice Coil Diameter	100,00 mm
Winding Material	Copper
Former Material	Fiber Glass
Winding Depth	19 mm
Magnetic Gap Depth	10,5 mm
Flux Density	1,05 T
Surround Material	PolyCotton
Surround Shape	Triple Roll
Spider Material	PolyCotton
Magnet Material	Ceramic
Cone Material	Paper
Water Proof Front Side (WP)	<input type="checkbox"/>
Water Proof Both Sides (TWP)	<input checked="" type="checkbox"/>
Epoxy Treatment	<input checked="" type="checkbox"/>
Demodulation Ring	<input type="checkbox"/>
Shorting Copper Ring	<input type="checkbox"/>
Double Spider	<input checked="" type="checkbox"/>
Vented Gap	<input type="checkbox"/>

02/07/2008

Thiele & Small Parameters ⁴

Fs	30	Hz
Re	3,0	Ω
Qes	0,41	
Qms	9,78	
Qts	0,39	
Vas	251,8	dm ³
Sd	1210	cm ²
η _b	1,63	%
Xmax	9,0	mm
Xvar	9,0	mm
Mms	227,5	g
Bl	17,74	Txm
Le	1,18	mH
Cms	122,5	µm/N

Mounting Information

Overall Diameter	460 mm (18 in)
Bolt Circle Diameter	440 mm (17.3 in)
Baffle Cutout Diameter	422 mm (16.6 in)
Depth	191 mm (7,5 in)
Flange / Gasket Thickness	16 mm (5/8 in)
Net Weight	10,5 kg (23,1 lb)

- (1)
- (2) Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
- (3) Applied RMS Voltage is set to 2V for 4 ohms Nominal Impedance. Average SPL from 150 to 1500 Hz
- (4) Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.