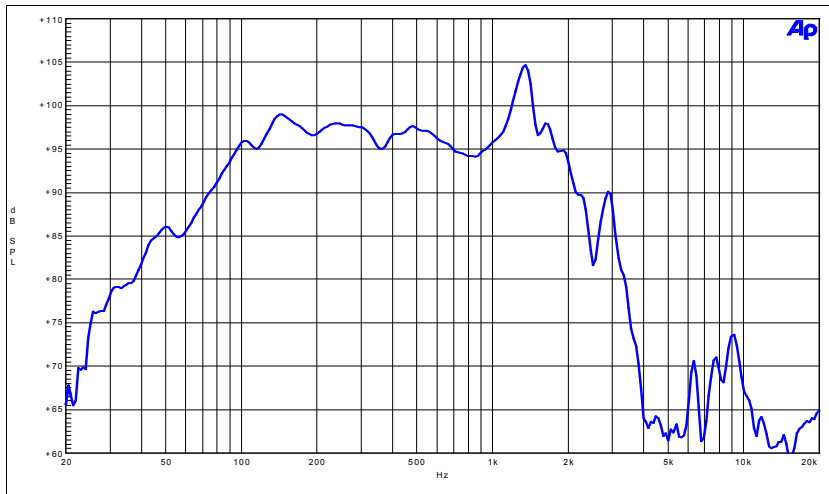




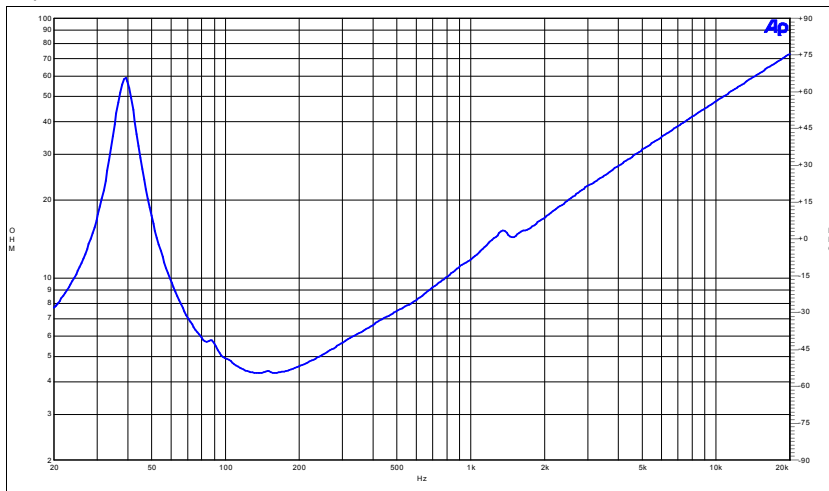
18NBX100-4

Rev: 0

Frequency Response



Impedance



Specifications

Nominal Diameter	18"
Nominal Impedance	4 Ω
Minimum Impedance	4,4 Ω
Power Handling	
Nominal ¹	1.000 W
Continuous Program ²	2.000 W
Sensitivity (1W/1m) ³	96 dB
Frequency Range	Fs to 1500 Hz
Voice Coil Diameter	100,00 mm
Winding Material	Copper
Former Material	Fiber Glass
Winding Depth	25,00 mm
Magnetic Gap Depth	11 mm
Flux Density	1,100 T
Surround Material	PolyCotton
Surround Shape	Triple Roll
Spider Material	PolyCotton
Magnet Material	Neodimium
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 checked="" type="checkbox"/>
Shorting Copper Ring	<input type="checkbox"/>
Double Spider	<input checked="" type="checkbox"/>
Vented Gap	<input checked="" type="checkbox"/>

08/03/2007

Thiele & Small Parameters⁴

Fs	35 Hz
Re	3,6 Ω
Qes	0,39
Qms	7,00
Qts	0,37
Vas	192,0 dm³
Sd	1.210 cm²
η ₀	2,02 %
Xmax	10,0 mm
Xvar	12,00 mm
Mms	225,0 g
Bl	22,00 Txm
Le	1,74 mH
Cms	94,0 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	212 mm (8.3 in)
Flange / Gasket Thickness	16 mm (5/8 in)
Net Weight	9.3 Kg (21.5 lb)

(1) A.E.S. Standard

(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.