18NW100-16

Rev: 0

Specifications

Nominal Diameter	**18"**
Nominal Impedance	**16 Ω**
Minimum Impedance	**12 Ω**
Power Handling	
Nominal[1]	**1.000 W**
Continuous Program [2]	**2.000 W**
Sensitivity (1W/1m)[3]	**98 dB**
Frequency Range	**Fs to 1000 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	**1,150 T**
Surround Material	**PolyCotton**
Surround Shape	**Triple Roll**
Spider Material	**PolyCotton**
Magnet Material	**Neodimium**
Cone Material	**Paper**
Water Proof Front Side (WP)	☐
Water Proof Both Sides (TWP)	☑
Epoxy Treatment	☑
Demodulation Ring	☐
Shorting Copper Ring	☐
Double Spider	☑
Vented Gap	☑

05/07/2007

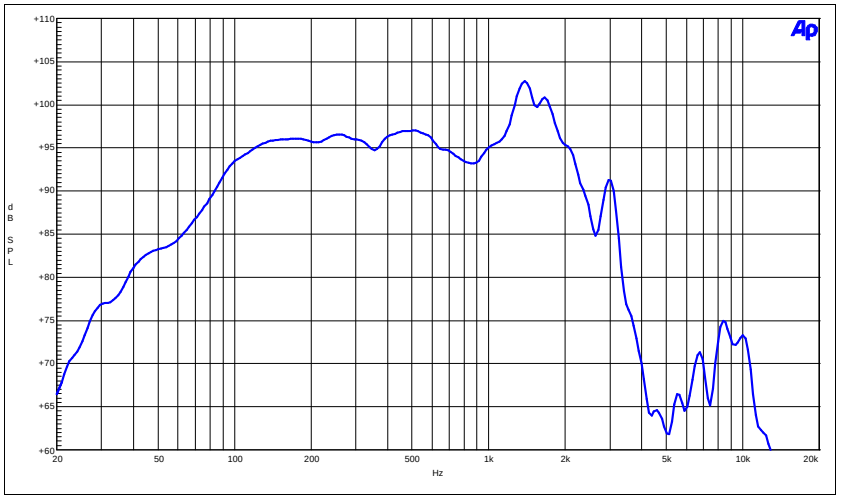
Thiele & Small Parameters [4]

Fs	**34 Hz**
Re	**10,4 Ω**
Qes	**0,38**
Qms	**7,93**
Qts	**0,37**
Vas	**211,8 dm^3**
Sd	**1.210 cm^2**
η_0	**2,05 %**
Xmax	**10,0 mm**
Xvar	**11,00 mm**
Mms	**214,9 g**
Bl	**35,18 Txm**
Le	**3,03 mH**
Cms	**103,0 µm/N**

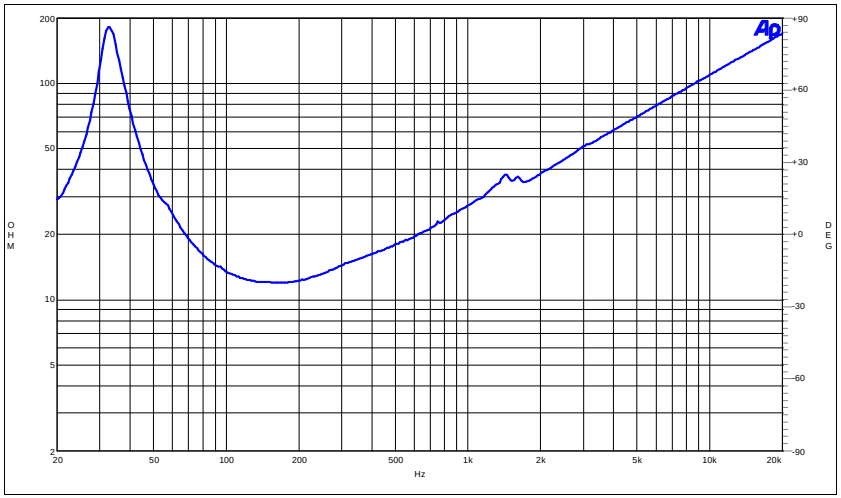
Mounting Information

Overal 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)**

Frequency Response



Impedance



(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 4V for 16 ohms Nominal Impedance. Average SPL from 100 to 1000 Hz

(4) Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.