12PS76-4

Rev: 0

Specifications

Nominal Diameter	**12"**
Nominal Impedance	**4 Ω**
Minimum Impedance	**4.1 Ω**
Power Handling	
Nominal[1]	**450 W**
Continuous Program [2]	**900 W**
Sensitivity (1W/1m)[3]	**96 dB**
Frequency Range	**Fs to 1000 Hz**
Voice Coil Diameter	**76,00 mm**
Winding Material	**Copper**
Former Material	**Fiber Glass**
Winding Depth	**22,50 mm**
Magnetic Gap Depth	**10.5 mm**
Flux Density	**1.150 T**
Surround Material	**Paper**
Surround Shape	**Triple Roll**
Spider Material	**Cotton**
Magnet Material	**Ceramic**
Cone Material	**Paper**
Water Proof Front Side (WP)	☐
Water Proof Both Sides (TWP)	☑
Epoxy Treatment	☑
Demodulation Ring	☐
Shorting Copper Ring	☐
Double Spider	☐
Vented Gap	☐

15/03/2005

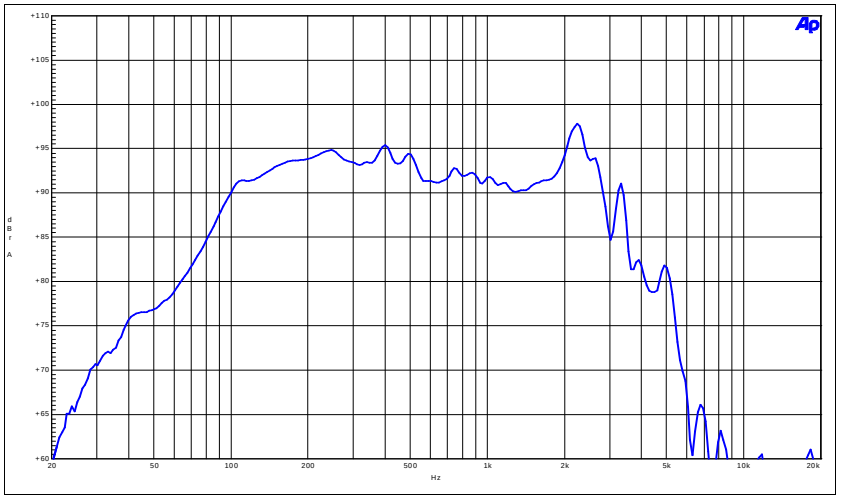
Thiele & Small Parameters [4]

Fs	**41 Hz**
Re	**3,0 Ω**
Qes	**0,18**
Qms	**3,37**
Qts	**0,17**
Vas	**71,7 dm^3**
Sd	**522 cm^2**
η_0	**2,51 %**
Xmax	**7,0 mm**
Xvar	**9,00 mm**
Mms	**82,6 g**
Bl	**18,80 Txm**
Le	**1,12 mH**
Cms	**187,0 µm/N**

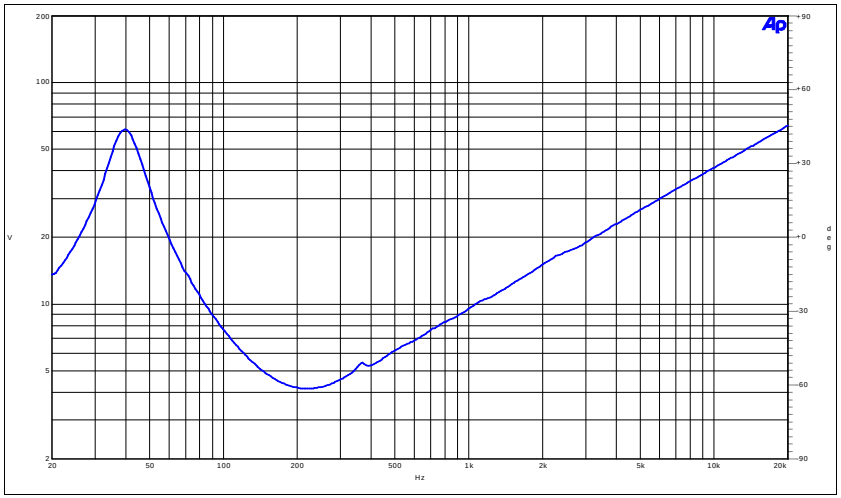
Mounting Information

Overal Diameter	**316 mm (12.4 in)**
Bolt Circle Diameter	**296 mm (11.6 in)**
Baffle Cutout Diameter	**282 mm (11.1 in)**
Depth	**134 mm (5.3 in)**
Flange / Gasket Thickness	**16 mm (0.62 in)**
Net Weight	**7.6 kg (16.7 lb)**

Frequency Response



Impedance



(1) E.I.A. 426A

(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 500 Hz

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