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# 18B35

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**NEW** 18" Woofer, 3.5" voice coil, 700 W, 99 dB



## KEY FEATURES:

- 99 db 1W / 1m average sensitivity
- 88 mm high temperature sandwich voice coil
- 1400 W AES program power
- Powerful, vented 200 mm magnet structure
- Double aluminium demodulating ring for lower distortion and improved heat dissipation
- Water protected cone (front)

**PART NUMBER:** 11118F0708

## Application:

The 18B35 bass loudspeaker is specially designed to deliver high impact bass response, with high power **Back to Top**  
It incorporates an 3.5" sandwich voice coil, paper cone, a powerful vented 200 mm magnetic structure, die cast

vented aluminium frame which reduced power compression. The double aluminium demodulating rings on the magnet structure reduce distortion and inductance and improve transient response. The special designed components for low Mms ensure very high definition bass reproduction.

This results in an incredible high efficient transducer for subwoofer applications, with the ability to handle high excursion with low distortion and reduced thermal power compression.

## SPECIFICATIONS

Nominal Diameter	18"/461 inch/mm
Impedance	8 Ohm
Minimum Impedance	5.72 Ohm
Power Capacity AES <sup>1</sup>	700 W
Program Power <sup>2</sup>	1400 W
Sensitivity	(50-200 Hz) 99 dB/W/m
Frequency Range	32 - 1000 Hz
Voice Coil Diameter	88 mm
Voice Coil Material	Cooper Clad Aluminium
Voice Coil Former	Glassfiber
V. C. Winding Depth	24 mm
Magnet Gap Depth	12 mm
Cone Material	paper
Basket	Die cast aluminium
Magnet	Ferrite
Flux Density	1.06 T

## THIELE-SMALL PARAMETERS

Fs	31.76 Hz
Qms	8.05
Qes	0.337
Qts	0.324
Vas	333.62 Litres
Mms	129.55 grams
Re	4.88 Ohms
Sd	1110 cm <sup>2</sup>
Xmax*	± 9 mm
Cms	0.194 mm/N
BL	19.34 T.m
Le at 1kHz	0.61 mH

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 160 L box enclosure tuned 43 Hz using a 40-400 Hz band limited pink noise test signal applied continuously for 2 hours.

2. Program power is defined as 3db greater than AES Power Capacity.

\* Linear Mathematical Xmax is calculated as:  $(Hvc - Hg)/2 + Hg/4$  where Hvc is the voice coil depth and Hg is the gap depth.

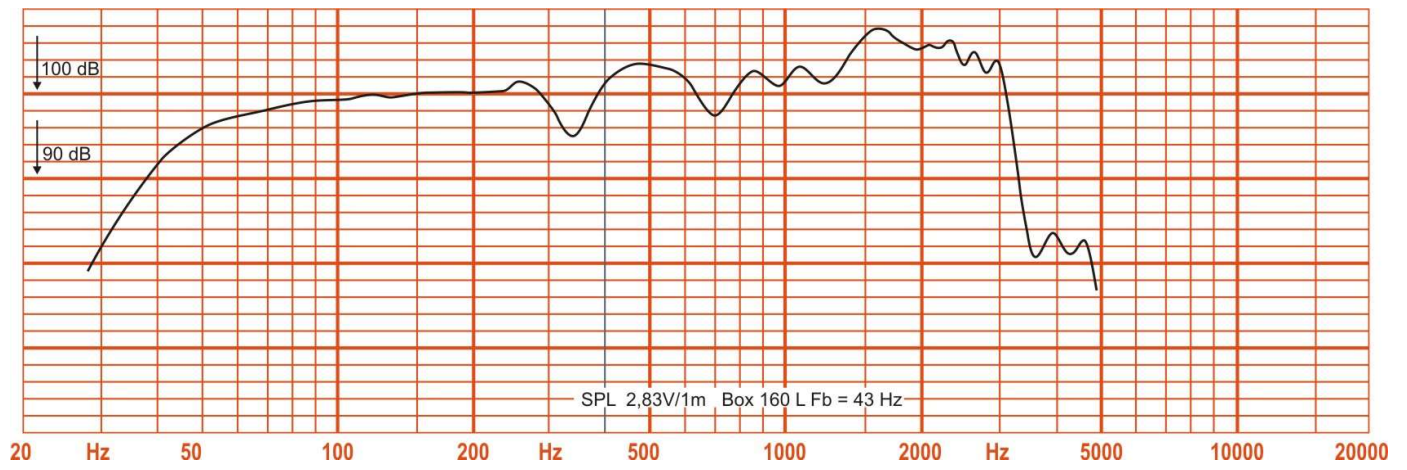
## MOUNTING INFORMATION

Overall Diameter	461 mm
Baffle Hole Diameter	417 mm
Mounting Holes	8 elliptic 7 x 8,5 mm
Bolt Circle Diameter	438/441 mm
Overall Depth	195.5 mm
Net Weight	10 kg

## RECONE KIT:

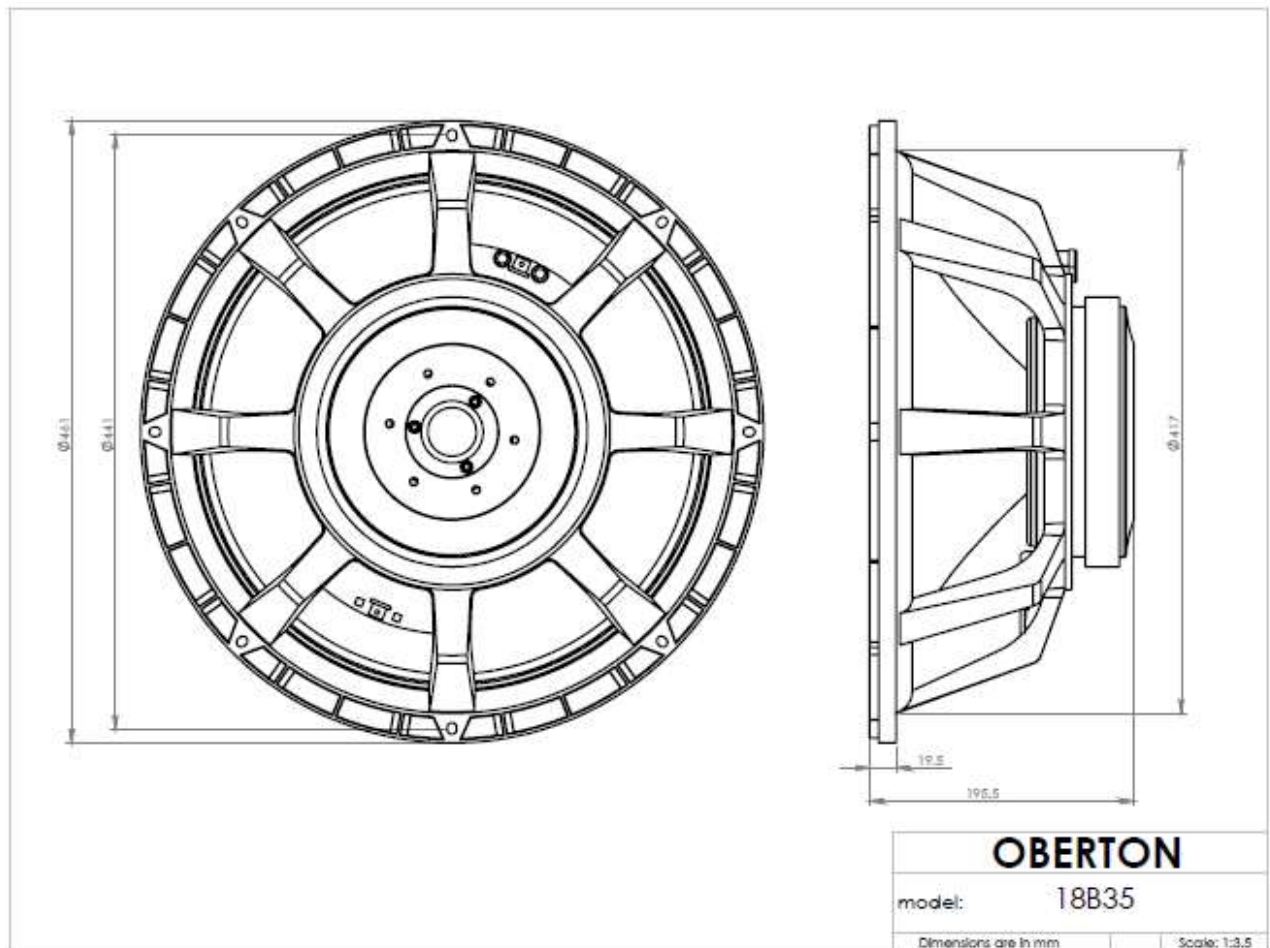
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Frequency response

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