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18FBR700

NEW 18" Woofer, 4" voice coil, 700 W, 98 dB

KEY FEATURES:

- **98 db 1W / 1m average sensitivity**
- **100 mm high temperature sandwich voice coil**
- **1400 W AES program power**
- **Powerful, vented 220 mm magnet structure**
- **Double aluminium demodulating ring for lower distortion and improved heat dissipation**
- **Double silicone spider for improved excursion control and linearity**

PART NUMBER: 11118F0508

Application: High Power Bass

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The **18FBR700** bass loudspeaker is specially designed to deliver high definition bass reproduction, because of used components that ensure low Mms. It incorporates an 4" sandwich voice coil, paper cone with carbone fibers, a powerful, vented 220 mm magnetic structure, die cast vented aluminium frame which reduces power compression, and double spider assembly. This results in a high efficient transducer for precision 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	7.00 Ohm
Power Capacity AES [1]	700 W
Program Power [2]	1400 W
Sensitivity	(50-200 Hz) 98 dB/W/m
Frequency Range	40 - 2000 Hz
Voice Coil Diameter	100 mm
Voice Coil Material	Aluminium
Voice Coil Former	Glassfiber
V. C. Winding Depth	23 mm
Magnet Gap Depth	14 mm
Cone Material	Paper with carbone fibers
Basket	Die cast aluminium
Magnet	Ferrite
Flux Density	1.03 T

THIELE-SMALL PARAMETERS

Fs	35.56 Hz
Qms	12.63
Qes	0.277
Qts	0.271
Vas	231.30 Litres
Mms	149.08 grams
Re	5.26 Ohms
Sd	1110 cm^2
Xmax*	± 8 mm
Cms	0.134 mm/N
BL	25.17 T.m
Le at 1kHz	1.50 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 eliptic 7 x 8,5 mm
Bolt Circle Diameter	438/441 mm
Overall Depth	204.5 mm
Net Weight	12.9 kg

RECONE KIT:

RK18FBR700 - Part No: R1118F0508

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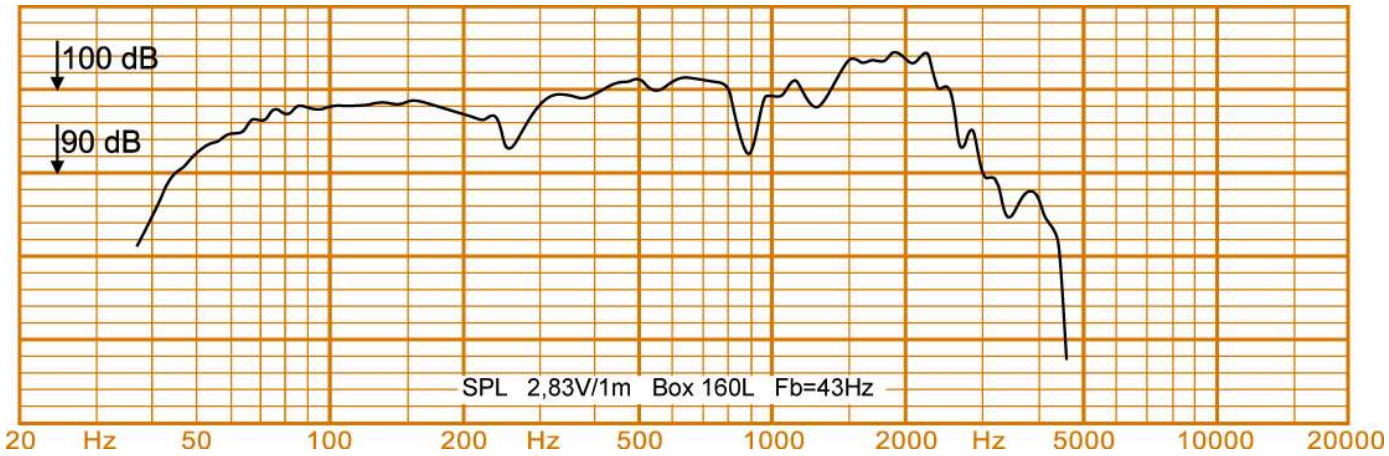

Frequency response

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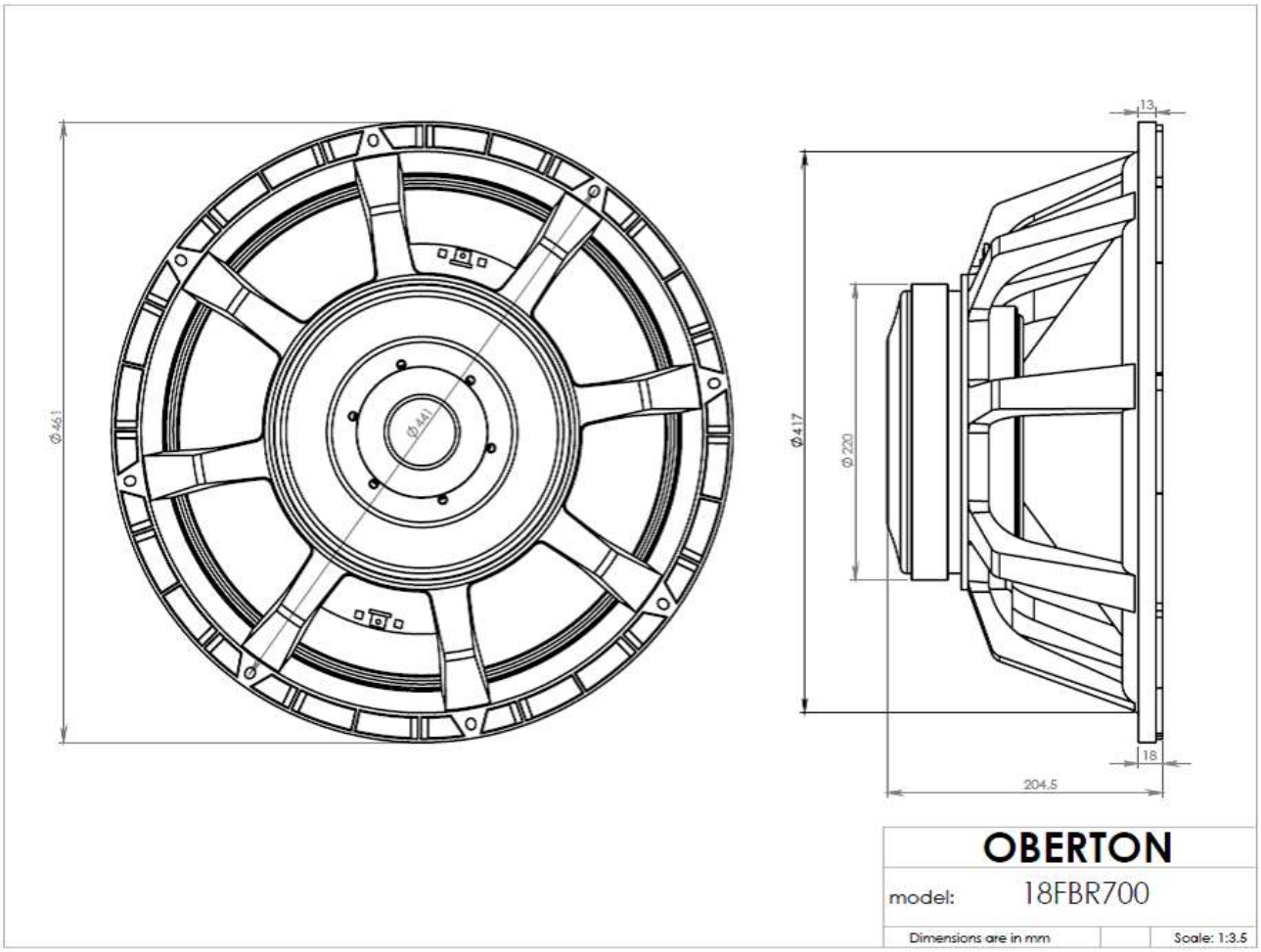

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