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18XB1301DS

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NEW 18" Woofer, 4" voice coil, 1300 W, 97.5 dB



KEY FEATURES:

- 97.5 db 1W / 1m average sensitivity
- 100 mm high temperature sandwich voice coil
- 2600 W AES program power
- Powerful, vented ferrite magnet structure
- Triple aluminium demodulating rings for ultra low THD and improved heat dissipation
- Double silicone spider for improved excursion control and linearity
- Water protected cone (front)

PART NUMBER: 11118F0308

Application : High Power Bass

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The **18XB1301DS** is new version of 18XB1300 . It is ferrite bass loudspeaker is specially designed to deliver very high impact bass response, with exceptional high power capacity. It incorporates an 4" sandwich voice coil, double silicone spider assembly, carbone paper cone and die cast vented aluminium frame. New powerful, vented ferrite magnetic structure with triple demodulating rings which reduced power compression and dramatically reduce THD. The result is high efficient transducer for subwoofer applications, with the ability to handle very high excursion with ultra low distortion and reduced thermal power compression.

SPECIFICATIONS

Nominal Diameter	18"/461 inch/mm
Impedance	8 Ohm
Minimum Impedance	6,6 Ohm
Power Capacity AES ¹	1300 W
Program Power ²	2600 W
Sensitivity	(50-200 Hz) 97.5 dB/W/m
Frequency Range	35 - 1000 Hz
Voice Coil Diameter	100 mm
Voice Coil Material	Copper
Voice Coil Former	Glassfiber
V.C. Winding Depth	31 mm
Magnet Gap Depth	14 mm
Cone Material	Carbone paper
Basket	Die cast aluminium
Magnet	Ferrite
Flux Density	1.00 T

THIELE-SMALL PARAMETERS

Fs	35.7 Hz
Qms	6.79
Qes	0.316
Qts	0.302
Vas	172.9 Litres
Mms	197.95 grams
Re	5.13 Ohms
Sd	1158 cm ²
Xmax*	± 12 mm
Cms	0.1004 mm/N
BL	26.86 T.m
Le at 1kHz	1.419 mH

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 180 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.

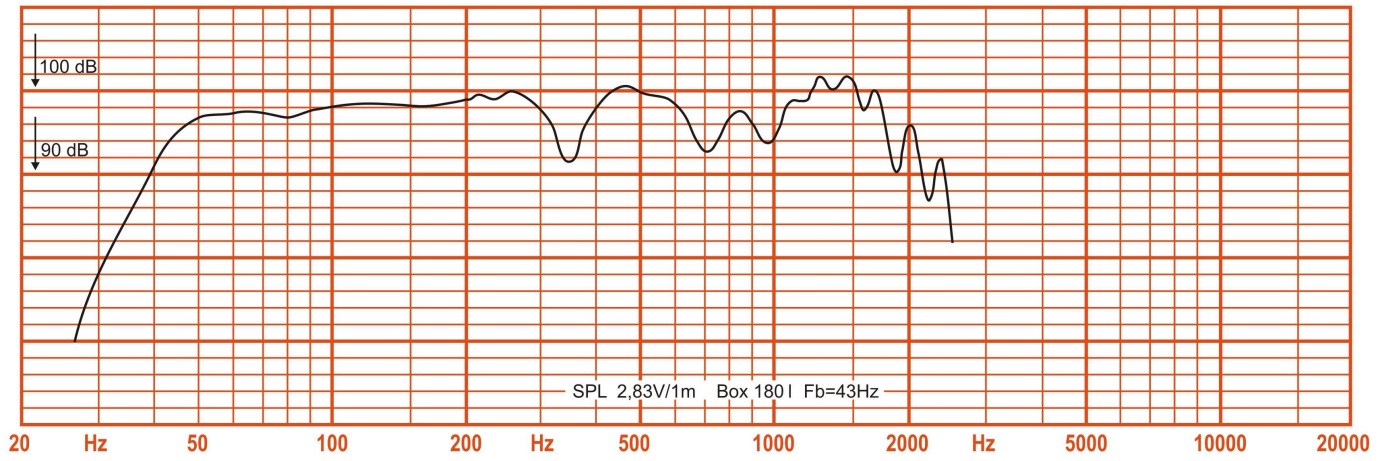
MOUNTING INFORMATION

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	210 mm
Net Weight	15.95 kg

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RECONE KIT:

RK18XB1301DS - Part No: R1118F0308



Frequency response

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