



## 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

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 <sup>1</sup> 1300 W  
Program Power <sup>2</sup> 2600 W  
Sensitivity (50-200 Hz) 97.5 dB/W/m  
Frequency Range 35 - 1000 Hz  
Voice Coil Diameter 100 mm (4")  
Voice Coil Material Copper  
Voice Coil Former Glassfiber  
V. C. Winding Depth 31 mm  
Magnet Gap Depth 14 mm  
Cone Material Paper with carbon fibers  
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<sup>2</sup>  
Xmax\* ± 12 mm  
Cms 0.1004 mm/N  
BL 26.86 T.m  
Le at 1kHz 1.419 mH

### 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

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 70 L box enclosure tuned 40 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.

## Frequency Responce

