

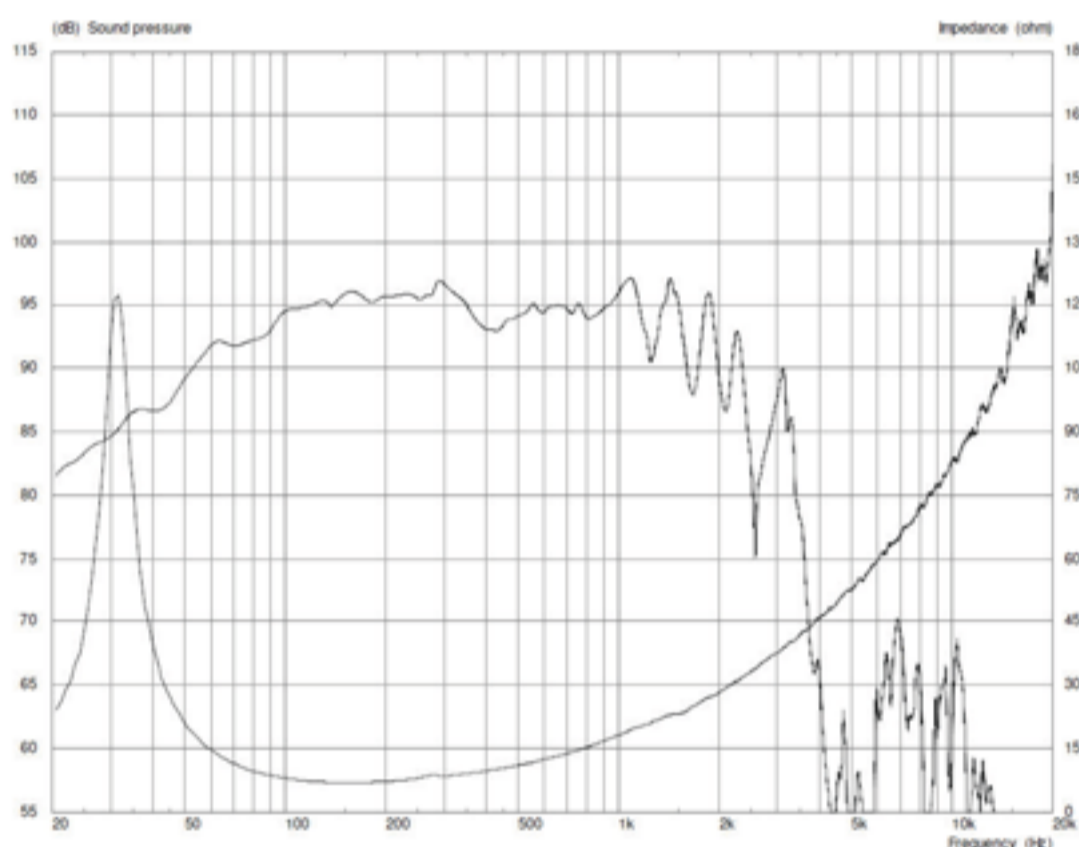
CF18VJD



Features

- 18" ferrite magnet, cast aluminium chassis LF driver delivering 1600Wrms (AES Standard) power handling and 97dB sensitivity
- 5" high temperature, dual layer, Inside/Outside voice coil for higher efficiency, preventing sensitivity loss through thermal compression
- FEA optimized magnet assembly delivers highly symmetrical cone - movement, leading to exceptionally low harmonic distortion
- Vented front plate increases airflow to provide enhanced cooling
- Twin demodulation rings reduce flux modulation, minimizing electromagnetic distortion
- Double suspension and "multi-roll" surround provide exceptional linearity at extremes of cone excursion

8 Frequency Response



1. Tested for two hours using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker tested in free air.
2. Measured on axis at 1W, 1m in 2 anechoic environment.
3. Xmax derived from: (voice coil winding width-gap depth)/2.

General Specifications

Nominal diameter	460mm/18in
Power rating ¹	1600Wrms
Nominal impedance	8
Sensitivity ²	97dB
Frequency range	25Hz-1500Hz
Voice coil diameter	125mm/5in
Chassis type	Cast aluminium
Magnet type	Ferrite
Coil material	Round copper
Former material	Glass fibre
Cone material	
Surround material	Cloth sealed
Suspension	Double
Xmax ³	9mm/0.35in
Gap depth	12mm/0.47in
Voice coil winding width	30mm/1.18in

Small Signal Parameters

Fs	33.1Hz
Mmd	235.488g/8.31oz
Qms	9.464
Qes	0.315
Qts	0.305
Re	5.51
Vas	164.01lt/5.79ft3
Bl	30.54
Cms	0.09mm/N
Rms	5.644kg/s
Le (at 1kHz)	1.987mH
D	0.38m/14.96in

Mounting Information

Diameter	462mm/18.19in
Overall depth	233mm/9.17in
Cut-out diameter	416mm/16.38in
Mounting slot dimensions	11mm x 7mm/0.43in x 0.28in
Number of mounting slots	8
Mounting PCD range	432-441mm/17.0-17.36in
Unit weight	23kg/50.6lb