

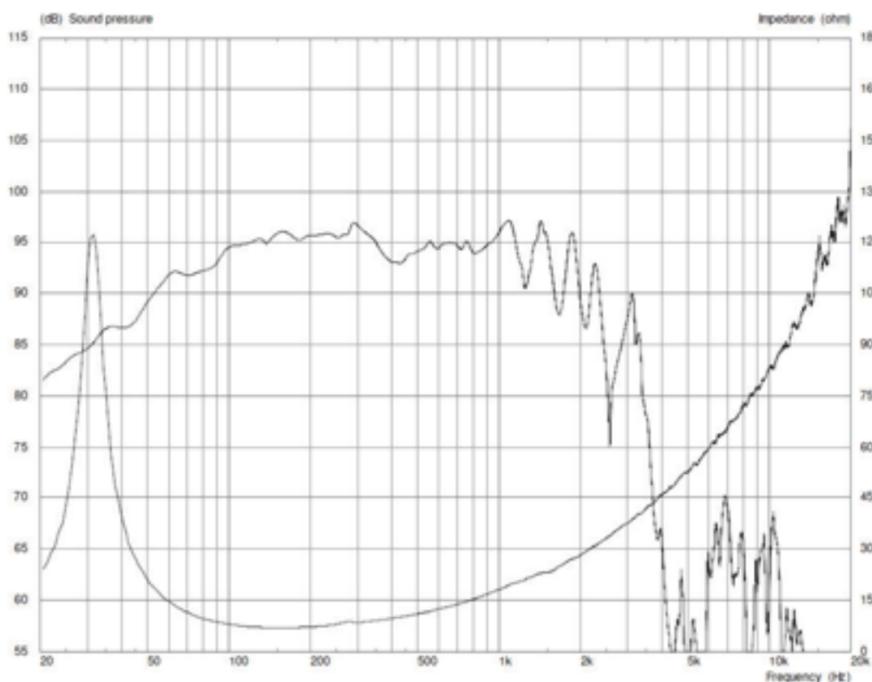
CF18VJD



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 |