LF Loudspeakers

FTR18-4080FD

18-inch, cast aluminium chassis, ferrite magnet LF driver

- Glass loaded paper cone with weather-resistant impregnation
- Optimised double suspension
- Airflow vented magnet assembly for dynamic heat dispersion

2000W
Continuous power rating

97dB
Sensitivity

4in
Round copper voice coil

General Specifications

Nominal Diameter	457mm / 18in
Power Rating	1000W
Continuous power rating	2000W
Rated impedance	8 ohm
Sensitivity	97dB
Frequency range	30-2500Hz
Chassis type	Cast aluminium
Magnet type	Ferrite
Magnet weight	3.1kg / 110oz
Voice coil diameter	100mm / 4in
Voice coil material	Round copper
Former material	Glass fibre
Cone material	Glass loaded paper (weather-resistant)
Surround material	Cloth-sealed
Suspension	Double
Gap height (Hg)	10mm / 0.39in
VC winding height (Hvc)	22mm / 0.87in

Parameters

Sd	1134.12cm^2 / 175.79ft^3
Fs	25.20Hz
Mms	177.81g / 6.27oz
Qms	4.750
Qes	0.304
Qts	0.286
Re	5.62 ohm
Vas	408.72l / 14.43ft^3
Bl	22.81Tm
Cms	0.23mm/N
Rms	5.92kg/s
Le (at 1kHz)	1.50mH
Xmax	8.5mm / 0.34in

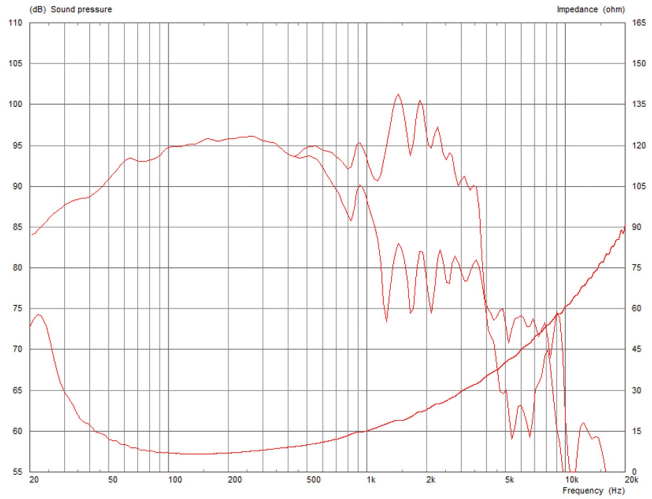
Mounting Information

Overall diameter	452mm / 17.8in
Overall depth	205mm / 8.1in
Cut-out diameter	416mm / 16.38in
Mounting hole dimensions	10x7mm / 0.39x0.27in
Number of mounting holes	8
Mounting hole PCD	429-440mm / 16.89-17.32in
Unit weight	9.8kg / 21.6lb

Packed Dimensions & Weight

Single pack size W x D x H	500mm x 500mm x 240mm / 19.7in x 19.7in x 9.4in
Single pack weight	11.5kg / 25.3lb
Multi pack qty	24
Multi pack size W x D x H	1210mm x 1050mm x 980mm / 47.6in x 41.3in x 35.4in
Multi pack weight	265kg / 580lb

Frequency Response and Impedance Curves



Power rating: 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.
Continuous power rating: Defined as 3dB greater than the AES rating.
Sensitivity: Measured on axis at 1W, 1m in 2? anechoic environment.
Parameters: Measured after unit subjected to pre-conditioning signal.
Xmax: 0.5*(Hvc-Hg) + 0.25*Hg

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