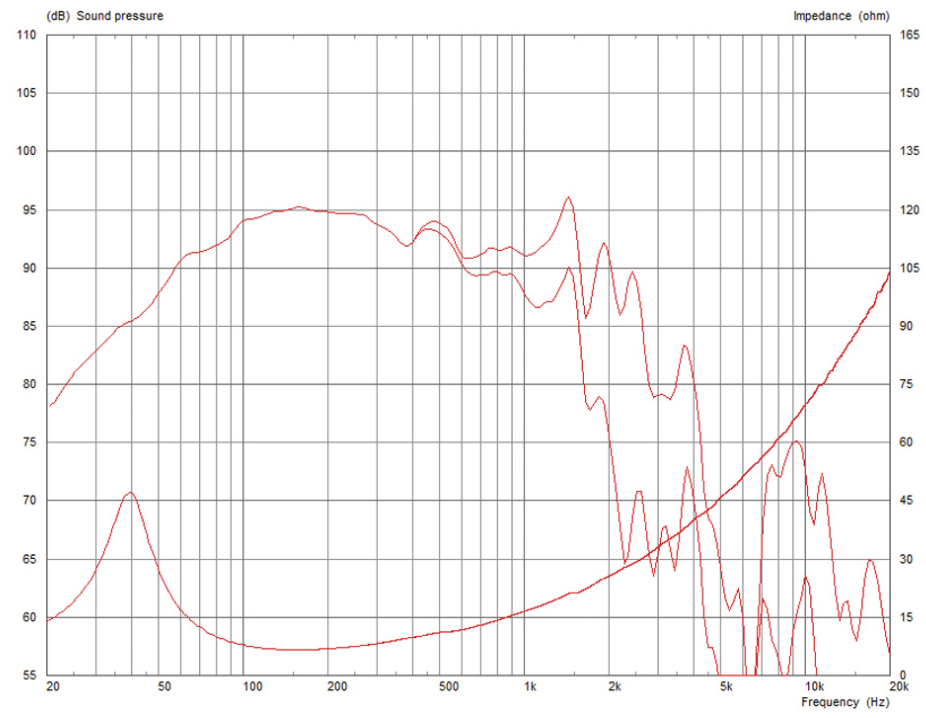
CELESTION

LF Loudspeakers

FTR15-4080HDX

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

Frequency Response and Impedance Curves



Topmost curve: Frequency response on axis | Secondary curve: Frequency response at 45° off axis

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

General Specifications

Nominal Diameter	381mm / 15in
Power Rating	1000W
Continuous power rating	2000W
Rated impedance	8Ω
Sensitivity	96dB
Frequency range	40-2500Hz
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
Xmax	10.1mm / 0.4in
Gap height (Hg)	9.5mm / 0.37in
VC winding height (Hvc)	25mm / 0.99in
Additional impedances	4

Mounting Information

Overall diameter	385mm / 15.16in
Overall depth	180mm / 7.1in
Cut-out diameter	351mm / 13.82in
Mounting hole dimensions	10x7mm / 0.39x0.27in
Number of mounting holes	8
Mounting hole PCD	365-375mm / 14.37-14.76in
Unit weight	9.7kg / 21.3lb

Parameters

Sd	855.30cm2 / 132.57in2
Fs	40.00Hz
Mms	147.45g / 5.20oz
Qms	3.089
Qes	0.357
Qts	0.320
Re	512Ω
Vas	111.20l / 3.93ft3
Bi	23.07Tm
Cms	0.11mm/N
Rms	13.77kg/s
Le (at 1kHz)	1.73mH
Xmax	10.1mm / 0.4in

Packed Dimensions & Weight

Single pack size W x D x H	435mm x 435mm x 200mm / 17.1in x 17.1in x 7.9in
Single pack weight	11.5kg / 25.4lb
Multi pack qty	36
Multi pack size W x D x H	1210mm x 1050mm x 980mm / 47.6in x 41.3in x 35.4in
Multi pack weight	380kg / 835lb

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