CELESTION

LF Loudspeakers

FTR15-4080HDX

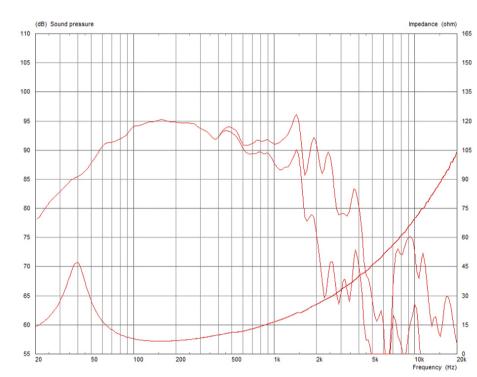






- · Glass loaded paper cone with weather-resistant impregnation
- Optimised double suspension
- · Airflow vented magnet assembly for dynamic heat dispersion

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

 $\begin{array}{lll} \mbox{Nominal Diameter} & 381\mbox{mm} \, / \, 15\mbox{in} \\ \mbox{Power Rating} & 1000\mbox{W} \\ \mbox{Continuous power rating} & 2000\mbox{W} \\ \mbox{Rated impedance} & 8\,\Omega \\ \mbox{Sensitivity} & 96\mbox{dB} \\ \mbox{Frequency range} & 40-2500\mbox{Hz} \\ \mbox{Chassis type} & \mbox{Cast aluminium} \end{array}$

Magnet type

Magnet weight

Voice coil diameter

Voice coil material

Ferrite

3.1kg / 110oz

100mm / 4in

Round copper

Former material

Glass fibre

Cone material Glass loaded paper (weather-re

sistant)

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
 512 Ω

 Vas
 111.20

 Vas
 111.20I / 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 435mm x 435mm x 200mm / 17.1in

H 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 / 47.6

in x 41.3in x 35.4in

Multi pack weight 380kg / 835lb

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