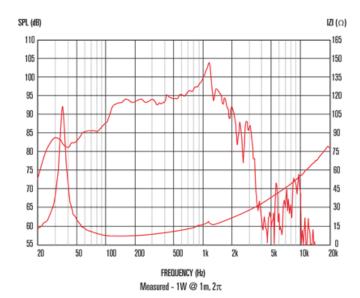
CELESTION

Legacy Loudspeakers FTR18-4080FDX (LEGACY)



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

Sensitivity: Measured on axis at 1W, 1m in 2 pi anechoic

Parameters: Measured after unit subjected to pre-conditioning

signal. Xmax: Hvc-Hg/2

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

- Legacy part: out of production
- Ferrite 18 inch woofer provides 800Wrms power handling (AES standard) and 96dB sensitivity
- 4" high temperature Inside/Outside voice coil efficiently dissipates heat preventing sensitivity loss through thermal compression
- FEA optimised magnet assembly provides low harmonic distortion and very high motor strength
- Ribbed straight-sided glass-loaded cone with Flexirol(TM) surround for greater excursion control
- Double suspension for exceptional linearity at the highest excursions
- Smart chassis design minimises acoustic distortion

1600W

Continuous power rating 96dB

sensitivity

4in

Round copper voice coil

General Specifications

Nominal Diameter 457mm / 18in 800W Power Rating Continuous power rating 1600W Rated impedance 8 ohm Sensitivity 96dB Frequency range 30-1000Hz Cast aluminium Chassis type 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 Double Suspension Gap height (Hg) 10mm / 0.39in VC winding height (Hvc) 22mm / 0.87in

Mounting Information

Overall diameter 462mm / 18.19in 205mm / 8.07in Overall depth 416mm / 16.38in Cut-out diameter Mounting hole dimensions 10mm x 7mm / 0.39in x

0.27in

Number of mounting holes Mounting hole PCD 429-440mm / 16.89-17.32in

Unit weight 9.8kg / 21.6lb

Parameters

1134.12cm² / 175.79in² Sd Fs 37.3Hz 206.36q / 7.28oz Mms 10.25 **Qms** Qes 0.43 0.413 Qts 5.62 ohm Re 160.74I / /5.67ft³ Vas ΒI 25 116Tm Cms 0.088mm/N Rms 4.716kg/s Le (at 1kHz) 1.52mH **Xmax** 6mm / 0.24in

Packed Dimensions & Weight

Single pack size W x D x H 500mm x 500mm x 2240mm / 19.7in x 19.7in x 9.4in Single pack weight 11.6kg / 25.6lb

500mm x 500mm x 2240mm / Multi pack size W x D x H 19.7in x 19.7in x 9.4in

Multi pack weight 11.6kg / 25.6lb

