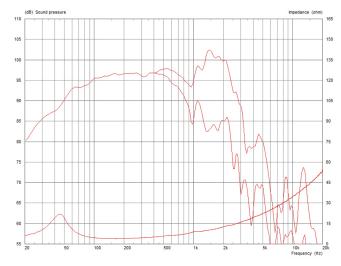
CELESTION

Legacy Loudspeakers CF1840H



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.

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

• Rigid lightweight carbon fibre loaded cone

Balanced airflow venting provides enhanced cooling

Twin demodulation rings

Low mass coil reinforcement

2000W **97dB** Continuous

power rating

sensitivity

4in Round copper voice coil

General Specifications

Nominal Diameter 457mm / 18in 1000W Power Rating Continuous power rating 2000W Rated impedance 4 ohm Sensitivity 97dB 30-2500Hz Frequency range Chassis type Cast aluminium Magnet type Ferrite Magnet weight 3.18kg / 112oz Voice coil diameter 100mm / 4in Voice coil material Round copper Former material Glass fibre

Cone material Carbon fibre loaded paper

Suspension Single Gap height (Hg) 9.5mm / 0.37in VC winding height (Hvc) 25mm / 0.99in

Mounting Information

Overall diameter 460mm / 18.11in Overall depth 220mm / 8.7in Cut-out diameter 414mm / 16.24in 11x7mm / 0.43x0.28in Mounting hole dimensions

Number of mounting holes

Mounting hole PCD 441-432mm / 17.36-17.01in

Unit weight 11.6kg / 25.5lb

Parameters

Xmax

1134.12cm² / 175.79in² Sd Fs 38.50Hz Mms 158.70g / 5.60oz Qms 3.921 0.385 Qes Qts 0.351 Re 3.04 ohm 196.7I / 6.95ft³ Vas 17.41Tm ВΙ 0.11mm/N Cms Rms 9.76kg/s Le (at 1kHz) 0.95mH

Single pack size W x D x H 500mm x 500mm x 255mm / x

8mm / 0.31in

19.7in 19.7in x 11in Single pack weight 13kg / 28.6lb

