

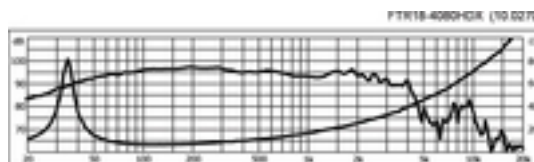
FTR18-4080HDX - PA Woofer



CELESTION



FTR18-4080HDX



High-power Subwoofers from CELESTION

The HDX series impresses by an excellent power capability of 2,000 WMAX. Even at maximum load, they ensure operating reliability. These speakers provide a sophisticated ventilation of the drive system. High mechanical reserves are possible due to a very high excursion of the extra rigid cone, double centering spiders, special multi-roll-surrounds and heat-resistant voice coils.

High-power professional PA subwoofer, 1,000 W, 8 Ohm

- Top-class subwoofer, 46 cm (18"), with a very high power capability and ferrite magnet
- Deformation-resistant, glass fibre reinforced paper cone
- 100 mm (4") heat-resistant voice coil, wound on the inside and outside
- Especially developed thermal management of the drive system for preventing thermal compression and overheating
- Recommended operating range: up to 300 Hz
- Waterproof impregnated cone (no coating), thus no series spreading at the moving mass of the voice coil system
- Double centering spider
- Multi-roll surround for an excellent linearity

- Robust diecast aluminium basket

Technical data:

Impedance (Z)	: 8 Ohm
Transmission technology	: -
Frequency range	: f3-2,500 Hz
Resonant frequency (fs)	: 35 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	: -
Power rating (RMS)	: 1,000 W
Peak music power output (MAX)	: 2,000 W
SPL	: 95 dB/W/m
Max. rated SPL	: -
Max. voltage	: -
Radiation angle	: -
Radiation angle, horizontal	: -
Radiation angle, vertical	: -
Suspension compl. (Cms)	: 0.10 mm/N
Moving mass (Mms)	: 199 g
Mech. Q factor (Qms)	: 5.74
Electr. Q factor (Qes)	: 0.46
Total Q factor (Qts)	: 0.42
Equivalent volume (Vas)	: 185 l
DC resistance (Re)	: 5.1 Ohm
Force factor (BxL)	: 22.70 Tm
Voice coil induct. (Le)	: 1.81 mH
Voice coil diameter	: \tilde{A} 100 mm
Voice coil former	: glass fibre
Linear excursion (X _{MAX})	: \pm 8 mm
Eff. cone area (Sd)	: 1,164 cm ²
Magnet weight	: 3.1 kg
Magnet diameter	: \tilde{A} 220 mm
Mounting cutout	: \tilde{A} 416 mm
Mounting depth	: 193 mm
Mounting hole diameter	: \tilde{A} 429-440 mm
Hole spacing X-axis	: -
Hole spacing Y-axis	: -
Dimensions	: \tilde{A} 462 mm x 205 mm
Outside diameter	: \tilde{A} 462 mm

Width	: Å~ 462 mm
Height	: -
Depth	: 205 mm
Colour	: black
Protective class	: -
Admiss. ambient temp.	: 0-40 °C
Weight	: 10.58 kg
Packing unit	: 1
Type of speaker	: 18"
Packing dimensions (W x H x L)	: 0.5 x 0.25 x 0.5 m
Gross weight	: 12.6 kg
Net weight	: 10.58 kg
Outdoors	: 1
Low-impedance	: 1