



Architectural Specification

The reFlex SB218 is a high power sub bass enclosure designed to operate over the 40 - 95 Hz pass band. Its primary function is as the sub bass element of Optima array systems. Additionally it can be combined with products from the Axis or mFlex ranges.

The cabinet combines two off 18" long excursion sub bass cone drivers with neodymium magnet structures loaded into a twin chamber band pass structure. The enclosure is manufactured from 18 mm birch plywood and coated in a heavy duty polyurea finish.

The cabinet front has a protective steel grill coated in a water resistant powder coat finish which has an acoustically transparent filter medium bonded to its back surface. Each cabinet has five handles and the option of castors mounted directly to the rear panel to aid mobility. The cabinet base has polyethylene runners and the cabinet top panel housings to aid stacking cabinets in vertical columns. It has additional housing to permit Optima B215 cabinets to be stacked above it. Three cabinets in a vertical stack have the option of being used in a cardioid mode with the bottom cabinet being inverted.

Electrical connection to the cabinet is via either two parallel linked Neutrik NL4 connectors on the rear panel allowing a direct connection from an eFlex Q20 system amplifier. Alternatively a third Neutrik NL4 connector allows a bridged input from an eFlex Q5 system amplifier. An additional Neutrik NL4 on the front grill allows connection from an eFlex Q20 when a cabinet is inverted in cardioid mode.

All Inspired Audio products are designed as an integrated solution complete with system amplifier options from the eFlex range. The eFlex units provide DSP preset functions, networked software control of operating parameters and output drive power. A pair of bridged eFlex Q5 output channels will drive a single SB218 enclosure while an eFlex Q20 will drive two SB218 enclosures per output channel.



reFlex SB218

Bass: 2 off 18" cone drivers

Frequency response: 40 Hz - 95 Hz

Sensitivity: 2.8 V/1m (Peak): 101 dB (141 dB)

Power (RMS/Peak): 2400 w/9600 w

Impedance: 4 ohms

Directivity: Omni-directional

Operation mode: Active pass band

Connection: 3 off Neutrik NL4 MP

Wiring protocol: Bridge input: 1+/2+
Direct input/Link: 1+/1-
Cardioid grill input: 1+/1-

Weight (Packaged): 73.55 kg (78.45 kg)

Dimensions (mm): 1100 w x 505 h x 695 d

Packaged (mm): 1130 w x 550 h x 725 d

Options:

- o Padded transit cover
- o Optional rear panel mounted castors

(Peak SPL measurements are taken with a crest factor x4)

Inspired Audio products are designed and manufactured in England. For technical support:

E: chris.scott@inspired-audio.co.uk

or visit the website

W: www.inspired-audio.co.uk

Revision: 15 - (09/02/2016)