



Architectural Specification

The Optima B215 is a compact high-power bass enclosure designed to operate over the 40 – 135 Hz pass band. Its primary function is as the bass element of an Optima 8 array system, either as the basis of a ground-stack, or flown above an array hang.

The cabinet combines two off 15" long excursion 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. The enclosure has a modular dual mode four-point fly system, that allows connection box to box, or box to fly or ground-stack frames. Each cabinet has five handles, and the option of a clip-on transit dolly or castors mounted directly to the rear panel.

The cabinet base has polyethylene runners and the cabinet top panel housings to aid stacking cabinets in vertical columns. The top panel contains an M20 plate to allow cabinets to be pole mounted above it. Three cabinets in a vertical stack have the option of being used in a cardioid mode with the bottom cabinet inverted.

Electrical connection to the cabinet is via two parallel linked Neutrik NL4 MP connectors on the rear panel. An additional Neutrik NL4 on the front grill allows connection 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 or Q6 output channels will drive a single B215 enclosure, while an Eflex Q20 will drive two Optima B215 enclosures per output channel.

Note: An adaptor is required for bridged connections from an Eflex system amplifier



Optima B215

Bass: 2 off 15" cone drivers

Frequency response: 40 Hz - 135 Hz

Sensitivity: 2.8 V/1m (Peak): 100 dB (139 dB)

Power (RMS/Peak): 2000 w/8000 w

Impedance: 4 ohms

Directivity: Omni-directional

Operation mode: Active pass band

Connection: 4 off Neutrik NL4 MP

Wiring protocol: Input/Link: 1+/1-
Cardioid grill input: 1+/1-

Weight (dolly): 70.65 kg (9.2 kg)

Packaged: 84.75 kg (Including dolly)

Dimensions (mm): 748 w x 505 h x 760 d

Packaged (mm): 765 w x 540 h x 915 d

Options:

- Transit dolly (latches to front or back of cabinet.)
- Optima 8 Fly frame
- Optima 8 ground stack frame
- K&M screw in distance pole
- Padded transit cover

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

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

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Revision: 15 - (10/06/2021)