



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 groundstack, flown above an array or remotely ground stacked. Optima B215 can also be used with Optima 5 and enclosures from the Axis and mFlex ranges.

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 groundstack frames. Each cabinet has five handles, a clip on transit dolly or the option of 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 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 B215 while an eFlex Q20 will drive two B215 per output channel.



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:	Bridge input: 1+/2+ Direct 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:

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