



Architectural Specification

The Optima B210 is an ultra-compact high power bass enclosure designed to operate over the 55 – 150 Hz pass band. The enclosures' primary function is as the bass element of an Optima 5 array for applications within audio visual, church and theatre where the primary requirement is vocal reproduction. The Optima B210 can also be combined with the Axis AX8. Integrated flyware enables the Optima B210 to be either flown above Optima 5 array or used as the basis of a groundstack. The Optima 5 Crossbow frame can be used with the Optima B210 either as a fly frame with shackle or truss clamp fixing options or inserted between Optima 5 to allow downward kelp in groundstack mode, a useful feature in theatre applications. Additionally the enclosure can be linked via the flyware with additional Optima B210 and flown in a column array.

The cabinet combines two off 10" long excursion cone drivers with neodymium magnet structures loaded into a twin chamber band pass structure. The enclosure is manufactured from 15 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 an integrated three point fly system that allows connection box to box, box to Optima 5 or box to fly frame. Each cabinet has a pair of side panel mounted steel bar handles. The cabinet base has rubber feet and the cabinet top panel housings to aid cabinets when stacked in vertical columns. The top panel contains an M20 plate to allow cabinets to be pole mounted above it.

Electrical connection to the cabinet is via two parallel linked Neutrik NL4 MP connectors on the rear. The connection panel also features a Neutrik NL4 MP auxiliary output which allows an additional cabinet which inputs on circuit 1+/1- to be powered from main input circuit 2+/2-. This enables two cabinets to be combined on a 4-core bi-amp feed direct from an eFlex system amplifier.

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 channel of an eFlex Q5 or eFlex Q20 will drive two Optima B210 enclosures.



Optima B210

Bass:	2 off 10" cone drivers
Frequency response:	55 Hz - 150 Hz
Sensitivity: 2.8 V/1m (Peak):	99 dB (133 dB)
Power (RMS/Peak):	600 w/2400 w
Impedance:	4 ohms
Directivity:	Omni-directional
Operation mode:	Active pass band
Connection:	3 off Neutrik NL4 MP
Wiring protocol:	1+/1- = Cabinet input 2+/2- = Feed to 1+/1- on Aux output connector
Weight (Packaged):	29 kg (33 kg)
Dimensions (mm):	507 w x 420 h x 485 d
Packaged (mm):	537 w x 465 h x 530 d
Options:	<ul style="list-style-type: none"> o Optima 5 Crossbow (Acts as Optima B210 fly frame) o K&M screw in distance pole o Optima 5 QT Clamp and TV Receiver 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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