

A5 is a powerful, compact loudspeaker operating in bi-amplified or optional passive mode driven by external amplification.

The **A5** is an ideal partner to the **A215B** dual 15" bass unit which together create an amazingly coherent sound system designed to cover numerous events.

The foam fronts on **A Series** products are waterproof and help protect the valuable drive units used in Blue Acoustic products.

Blue Acoustic loudspeakers incorporate not only some of the finest components currently available but those that are fully proven within the professional environment.

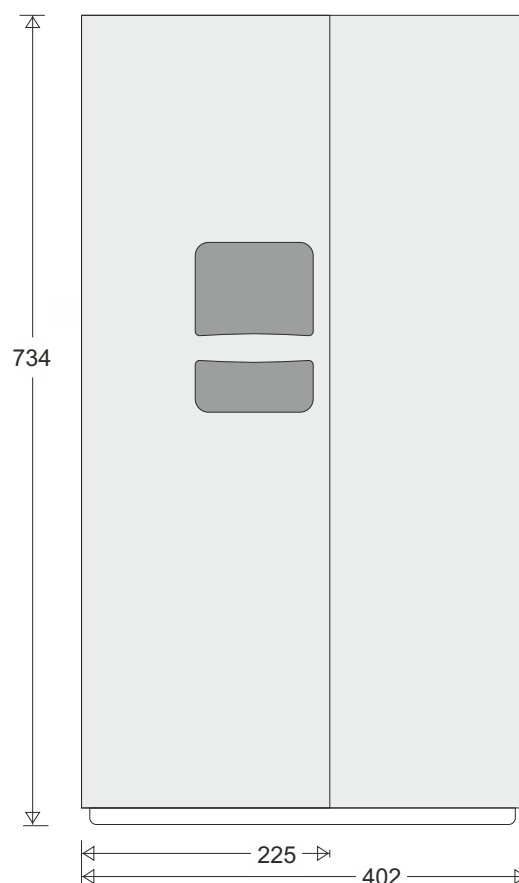
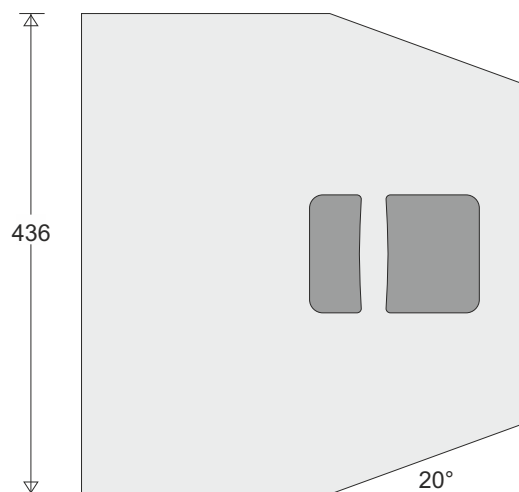
A5 component specifications.

bass unit	383mm (15")
bass unit total aes power	700 watts
bass unit voice coil	76mm (3")
bass unit magnet	neodymium
hf unit exit	36mm (1.4")
hf unit aes power	80 watts
hf unit voice coil	63mm (16Ω)
hf unit magnet	neodymium
horn unit	60° x 40° (90° x 40° option)
amplifier power (bass/mid)	600 - 900 watts aes (@ 8Ω)
amplifier power (hf)	50 - 80 watts aes (@ 16Ω)
crossover frequency (LF to HF)	1·250 KHz (4th order L/R)

A5 cabinet specifications.

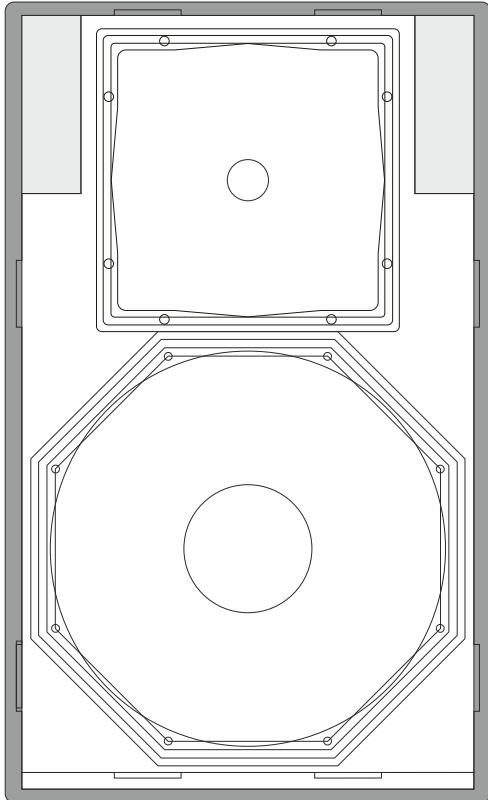
handles	3, sides and top
pole mount	35mm vertical and 5° tilt forward
build material	12mm, 15mm and 18mm birch ply
bass/mid efficiency 1w/1m	98B
mf & hf efficiency 1w/1m	108dB
spl at rated power	127dB
tml (theoretical max level) *	133dB
frequency response	60Hz - 18.4Khz (± 3dB)
high pass filter (full range)	55Hz (8th order L/R)
high pass filter (with bass cabs)	105Hz (4th order L/R)
grille	CNC punched steel, powder coated 1.5mm
foam front	20 mm acoustically transparent foam
cabinet finish	black textured water based coating
optional finish	polyurea super tough coating
dimensions	734 h x 436 w x 402 d
weight	23·8 Kgs (53 lbs)
covers	slip over padded versions available

* tml is published for comparative purposes only and offers no indication of achievable sound level



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The A5 cabinet

Construction; The A5 is constructed from multi-layer birch plywood with the panels glued and secured using 50mm and 30mm brad pins.

Panels; The baffles and braces are 18mm, the front sides are 15mm and other panels are 12mm thickness.

Baffles; All Blue Acoustic baffles and many other parts are located using precisely positioned rebates which hold parts in place during glue set.

LF driver mount; The 15" driver is secured to the baffle using M6 x 35mm caphead bolts in to M6 teenuts.

HF driver mount; The horn unit is secured to the baffle using M5 x 30mm caphead bolts in to M5 teenuts.

Connectors; We use dual Neutrik NL4MPR connectors attached to a recessed plate on the rear of the cabinet.

Pole/stand; The stand mount adaptor will allow the cabinet to sit upright or tilt slightly forward at 5°.

Flying; M8 nutplates are an option for use with Blue Acoustic yoke brackets.

Grilles; The grilles used on this cabinet are 1.5mm CNC punched steel which is the powder coated.

Front foam; The foam used is 20mm acoustically transparent material which successfully keeps the drive units dry even in the heaviest rain conditions.

Skids; 15mm plywood skids are permanently fixed to the bottom of the cabinet.

Badge; A 15mm badge bar at the foot of the baffle holds our logo.

Bi-amp drive; This standard drive is set at 1.25KHz using 4th order asymmetrical L/R filtering so we therefore recommend factory set-up of DSP to be used with the system.

Passive drive; The optional passive drive is set using a 7 element passive crossover with 4th order filtering on the HF driver and a 2nd order roll-off on the LF driver.

Coating 1; We use an industry standard water based coating supplied directly from the factory in Germany with black or white finishes available.

Coating 2; This is an optional super tough polyurea based coating that has excellent adhesion to the substrate and as such, excellent protection without fracture or chipping.

Coating 3; A white coating applied with a textured roller which is extremely popular for permanently installed sound systems in places of worship.

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