



APPLIED ACOUSTICS

Underwater Technology



: Technical Specification

AA201 and AA301 Seismic Sound Source, Boomer Plates

The two boomer plates, the AA201 and AA301, produce a sharp, repeatable "industry standard" single pulse. Both models are field proven and differ in detail specification.

The Model AA201 is the 'small format' transducer which can be towed on either the CAT100 or CAT200 surface tow vehicles. It is ideal for inshore surveys for high resolution sediment analysis with the CSP-L energy source or as a higher penetration device with the CSP-P and CSP-D models.

The Model AA301 is designed for higher power applications and has the extra advantage of use as a variable frequency boomer when used with the CSP-D range of energy sources. This allows wide ranging pulse widths not formerly available. The lengthening of the pulse width ensures even greater penetration whilst maintaining a high quality single pulse.



AA201

Applied Acoustic Engineering Ltd

Marine House, Marine Park
Gapton Hall Road
Great Yarmouth NR31 0NB
United Kingdom

T +44(0)1493 440355
F +44(0)1493 440720
E general@appliedacoustics.com
W www.appliedacoustics.com

MODEL TYPES - PHYSICAL SPECIFICATION

	Size	Weight air/water	Fixing Centres
Model AA201	38cm x 38cm	18kg/10kg	31.5cm ²
Model AA301	62cm x 52cm	25kg/14kg	40.6cm ²

ELECTRICAL INPUT

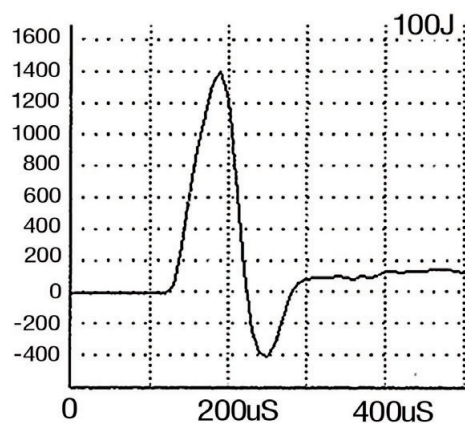
Recommended Power	AA201, 50 – 200J/shot AA301, 100 – 300J/shot
Maximum Energy Input	AA201, 300J/shot AA301, 350J/shot
Maximum Power Input	AA201, 600J/second AA301, 1000J/second

SOUND OUTPUT

Source level	AA201, Typically 212 dB re 1 µPa at 1 metre with 200J AA301, Typically 215 dB re 1 µPa at 1 metre with 300J
Pulse Length	AA201, 120/150/180 µS at 50/100/200J AA301, 150 – 400 µS depending on energy setting of CSP-D
Reverberation	AA201, <1/10 x initial pulse AA301, < 1/10 x initial pulse
Connector type	RMK

COMPATIBILITY*

Energy Source	AA201: CSP-L, CSP-P, CSP-D AA301: CSP-P, CSP-D
Catamaran	AA201: CAT100, CAT200 AA301: CAT200



AA201 PULSE SHAPE

* Also compatible with older model CSP units.

