

## ARQIS108i

### CABINET LOUDSPEAKERS

#### *Architectural Loudspeaker Cabinet*



### PRODUCT OVERVIEW

ARQIS108i is a 2-way wooden loudspeaker cabinet with a compact format, stylish aesthetics, excellent sound quality and long-term reliability, featuring 150 WRMS @ 8Ω, 8" woofer and 1" HF Compression Driver. Its VEASY wall bracket (VESA compatible), allows for pan & tilt adjustment, employing a single screw for fastening. It has been specifically designed to fulfil permanent installation requirements where a perfect balance between sound performance and architectural/interior's design matching is a must.

### KEY FEATURES

- Full range, 2-way architectural loudspeaker
- 150 WRMS @ 8Ω
- 8" low frequency woofer
- 1" high frequency compression driver (rotatable)
- Double INPUT/STACK connector, Euroblock type, with security attachment screws to avoid accidental disconnection
- VEASY Wall bracket included, allowing for pan & tilt adjustment, employing a single screw for fastening. Robust, quick and easy to install, including jumps and markings for repeating speaker orientation.
- Metal safety sling included, to avoid drops in case of accidental detachment from the wall surface
- U-bracket wall-mount accessory compatible (not included)
- Available in black (RAL 9005) and white (RAL 9003) colour
- [Ecler ARQISi EQ Settings](#) available
- EASE files available

### APPLICATIONS

- Commercial
- Corporate
- Hotels and restaurants
- Education
- Sports and wellness
- Leisure

### ACCESSORIES

- ARQ108UB



## TECHNICAL SPECIFICATIONS

ARQIS108i	
System	
Effective frequency range <sup>1</sup>	65 Hz - 20 kHz (-10dB)
Coverage angle <sup>2</sup>	130°x130° (HxV)
Power handling	150W RMS / 600W Peak
Sensitivity <sup>3</sup>	90dB (1W/1m)
Maximum SPL <sup>4</sup>	109dB continuous / 115dB peak
Recommended amplifier	300W
Transducers	
Ways	2-way, full range
Low frequency driver	8" woofer
High frequency driver	1" Compression driver (rotatable)
Nominal impedance	8Ω
Filters	
Crossover filter	3,5 kHz
Recommended High-Pass protection filter	70 Hz with minimum 12 dB / octave filter
Physical	
Connection type	1 x Euroblock & 1x SPEAKON
Installation options	Surface, wall, desktop
Environmental	IP31
Enclosure material	MDF
Grille material	Steel
Grille fixing system	Screw fixation
Flying points	6 x M6 & 2 x M8
Operating temperature	Min: -10°C ; 14°F Max: 40°C ; 104°F
Operating humidity	<85% HR
Storage temperature	Min: -10°C ; 14°F Max: 40°C ; 104°F
Storage humidity	<90% HR
Included accessories	Wall Bracket / 3mm Allen key/ 4mm Allen key / 6mm Allen key
Finished color	Black (RAL9005) or White (RAL 9003)
Dimensions (WxHxD)	244 x 280 x 390 mm / 9,60 x 11,02 x 15,35 in
Weight	8.4 kg / 18,51 lb
Pieces per box	1 unit
Shipping dimensions (WxHxD)	435 x 320 x 445 mm / 17,12 x 12,59 x 17,51 in
Shipping weight	10.5 kg / 23.14 lb

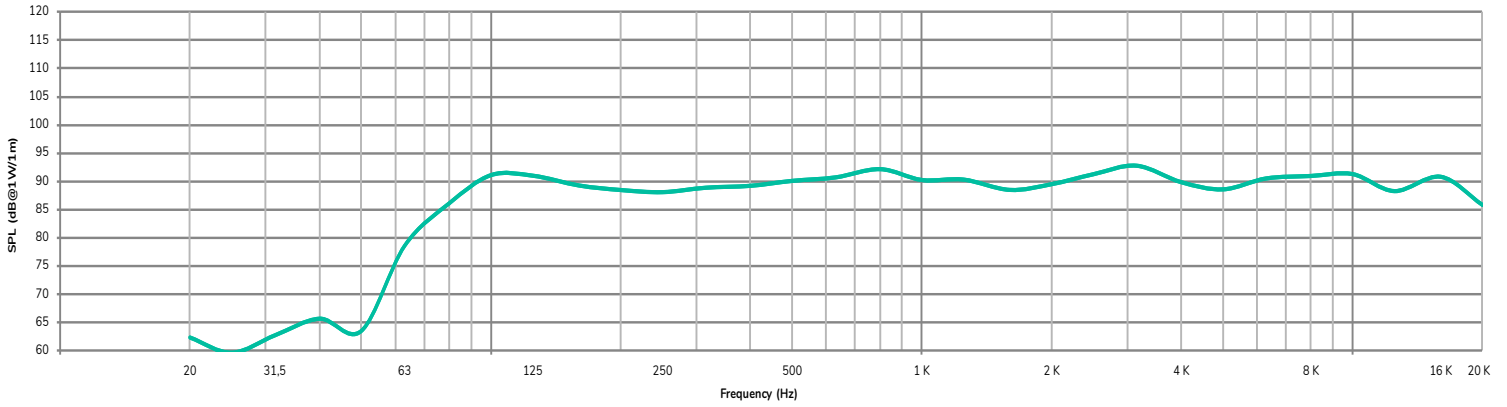
<sup>1</sup>10dB below the sound pressure level at specified sensitivity

<sup>2</sup>6dB below the sound pressure level than that at the direction of maximum level, Max. angle between 1 kHz and 4 kHz.

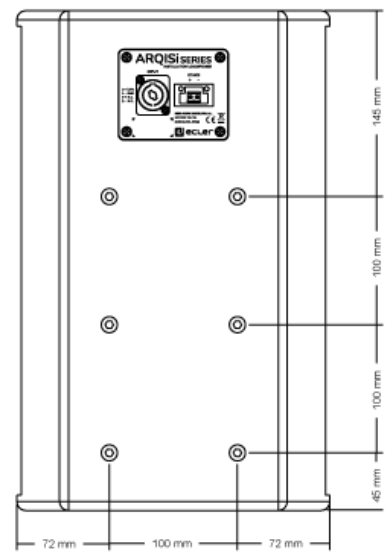
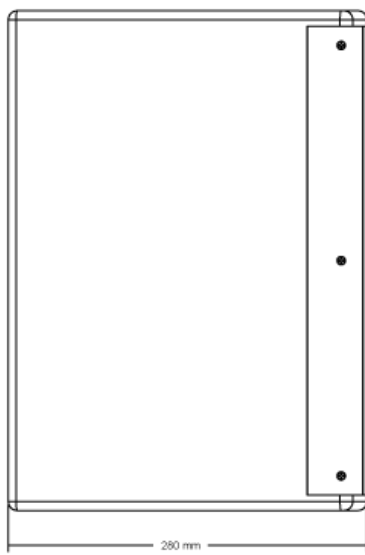
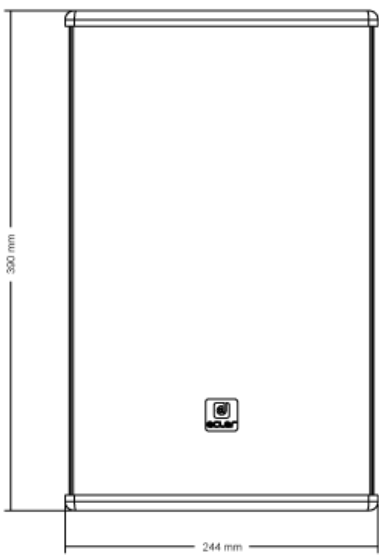
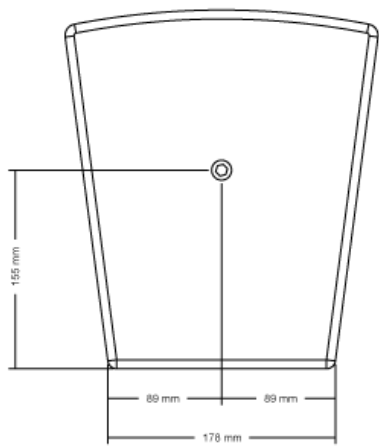
<sup>3</sup>Measured on-axis, far field and referenced to 1 meter by inverse square law. Average from 100 Hz to 10 kHz.

<sup>4</sup>Calculated from sensitivity and power handling specifications, exclusive of power compression

FREQUENCY RESPONSE ON-AXIS

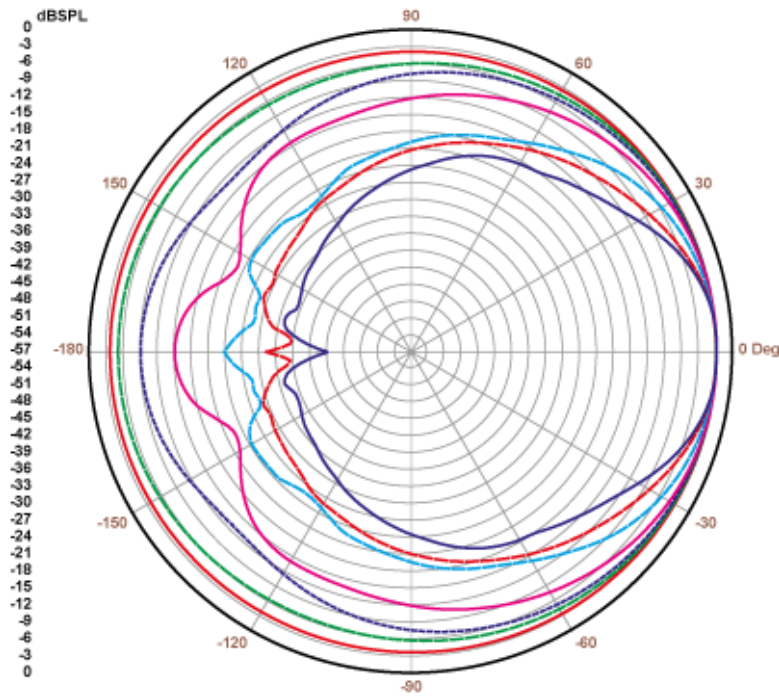


MECHANICAL DIAGRAMS



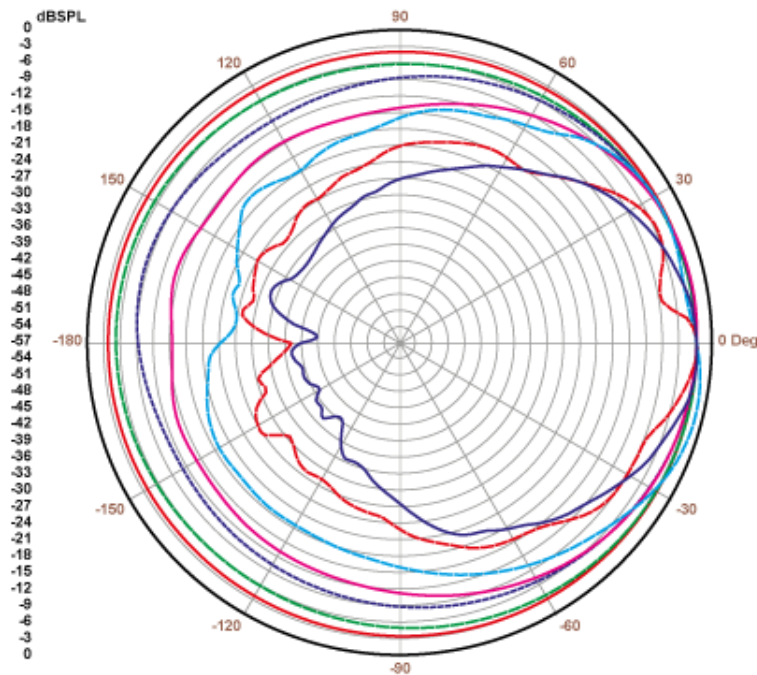
POLAR DIAGRAMS

HORIZONTAL



Curve	Freq	BW	Q	DI
—	125.00	360	1.0	0.0
—	250.00	360	1.0	0.0
- - -	500.00	199	1.8	2.6
—	1.00K	135	2.7	4.3
—	2.00K	82	4.4	6.4
—	4.00K	62	5.8	7.6
—	8.00K	50	7.2	8.5

VERTICAL



Curve	Freq	BW	Q	DI
—	125.00	360	1.0	0.0
—	250.00	360	1.0	0.0
- - -	500.00	183	2.0	2.9
—	1.00K	129	2.8	4.5
—	2.00K	103	3.5	5.5
—	4.00K	54	6.6	8.2
—	8.00K	58	6.2	7.9

## A&E SPECIFICATIONS

The loudspeaker shall be a 2-way wooden loudspeaker cabinet, incorporating a high-efficiency 8" mid/low woofer and 1" rotatable compression driver. It shall have an RMS power handling of 150 Watt with a maximum power handling of 600 Watt and the frequency response ( $\pm 10$  dB) shall range from 65 Hz to 20 kHz. Crossover point shall be at 3,5 kHz. The sensitivity shall be 90 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall be 112 dB. The dispersion shall be  $130^\circ \times 130^\circ$ . The loudspeaker shall have an impedance of  $8 \Omega$ . It shall have a enclosure constructed out of medium density wood with a textured and scratch resistant paintwork finish. The front finishing shall be made with a overlapping front grill with a rotatable logo, giving a slim and elegant impression. It shall include a Speakon and Euroblock connector, with security attachment screws to avoid accidental disconnection. It shall include a VESA compatible wall bracket, which enables pan & tilt adjustment, employing a single screw for fastening. An additional metal safety sling shall be provided, to avoid drops in case of accidental detachment. The full range system's enclosure shall be 244 mm wide, 390 mm high and 280 mm deep and the weight shall not exceed 8,4 Kg.

The loudspeaker shall be the ECLER ARQIS108i.



All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical requests address to your supplier, distributor or fill the contact form in our website, at Support / Technical Request.

Motors, 166-168 08038 Barcelona - Spain - (+34) 932238403 | [information@ecler.com](mailto:information@ecler.com) | [www.ecler.com](http://www.ecler.com)