

ARQIS105i

CABINET LOUDSPEAKERS

Architectural Loudspeaker Cabinet



PRODUCT OVERVIEW

ARQIS105i is a 2-way wooden loudspeaker cabinet with a compact format, stylish aesthetics, excellent sound quality and long-term reliability, featuring 70 WRMS @ 8Ω, 5,25" woofer and 1" HF tweeter. Its VEASY wall bracket included (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
- 70 WRMS @ 8Ω
- 5,25" low frequency woofer
- 1" high frequency tweeter
- Double INPUT/STACK connector, Euroblock type, with security attachment screws to avoid accidental disconnection
- VEASY Wall bracket included (VESA compatible), allowing for pan & tilt step by step adjustment, employing a single screw for fastening
- Available in black (RAL 9005) and white (RAL 9003) colour
- [Ecler Loudspeakers EQ Settings available.](#)
- [EASE files available.](#)



APPLICATIONS

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

TECHNICAL SPECIFICATIONS

ARQIS105i	
System	
Effective frequency range ¹	80 Hz - 20 kHz
Coverage angle ²	150°x130° (HxV)
Power handling	70W RMS / 280W Peak
Sensitivity ³	89dB (1W/1m)
Maximum SPL ⁴	107dB continuous / 113dB peak
Recommended amplifier	140W RMS
Transducers	
Ways	2-way, full range
Low frequency driver	5,25" woofer
High frequency driver	1" tweeter
Nominal impedance	8Ω
Filters	
Crossover filter	3,2 kHz
Recommended High-Pass protection filter	80 Hz with minimum 12 dB / octave filter
Physical	
Connection type	2 x Euroblock
Installation options	Surface, wall, desktop
Environmental	IP31
Enclosure material	MDF
Grille material	Steel
Grille fixing system	Screw fixation
Flying points	4 x M6
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	VEASY Wall Bracket / 3mm Allen key / 4mm Allen key / 6mm Allen key
Finished color	Black (RAL9005) or White (RAL 9003)
Dimensions (WxHxD)	186 x 280 x 210 mm / 7.32 x 11.02 x 8.26 in
Weight	3.6 kg / 7,93 lb
Pieces per box	1 unit
Shipping dimensions (WxHxD)	365 x 260 x 335 mm / 14.37 x 10.24 x 13,19 in
Shipping weight	5.5 kg / 12.12 lb

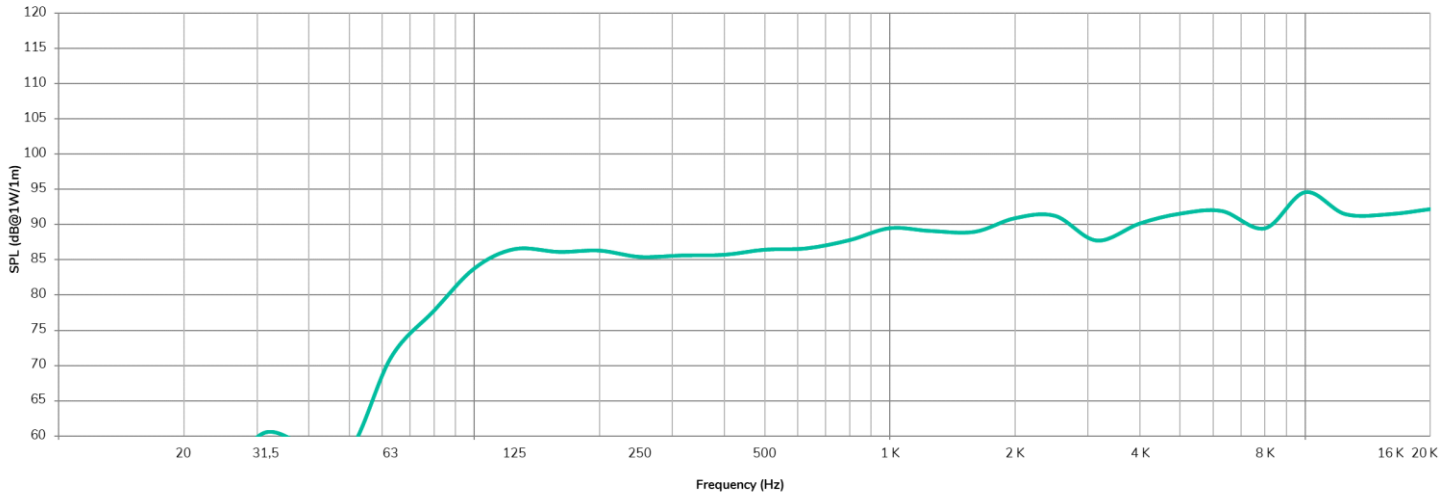
¹10dB below the sound pressure level at specified sensitivity

²6dB below the sound pressure level than that at the direction of maximum level, Max. angle between 1 kHz and 4 kHz.

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

⁴Calculated from sensitivity and power handling specifications, exclusive of power compression

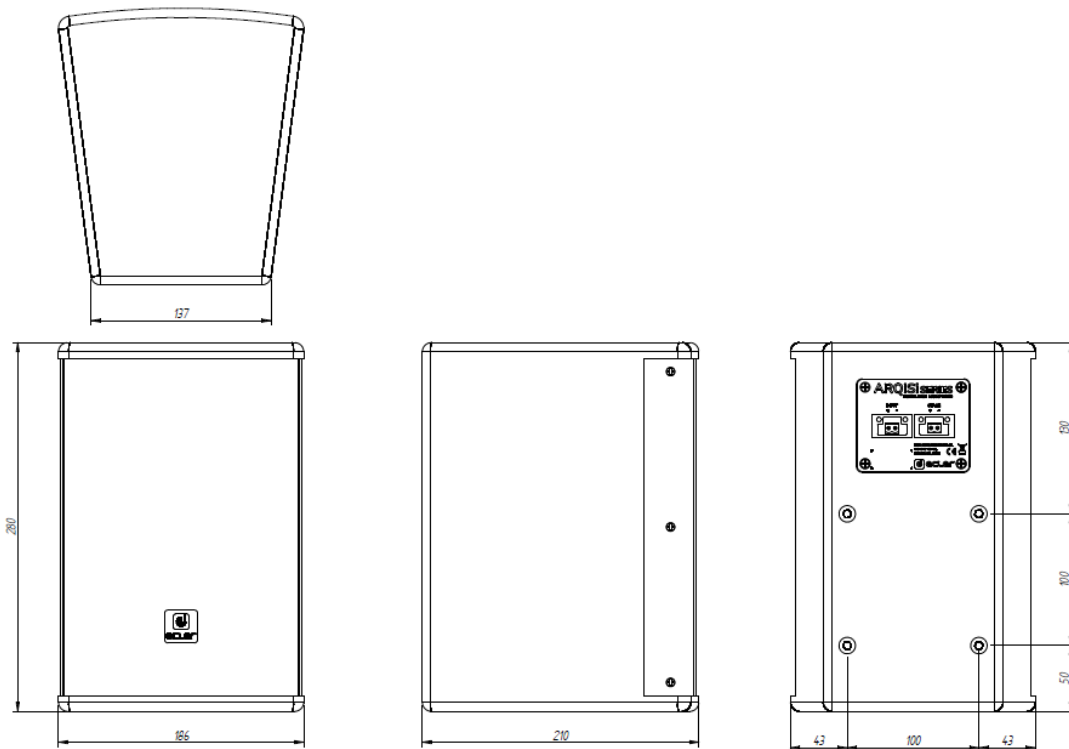
FREQUENCY RESPONSE ON-AXIS



MECHANICAL DIAGRAMS



Ecler ARQIS105i Mechanical Diagram



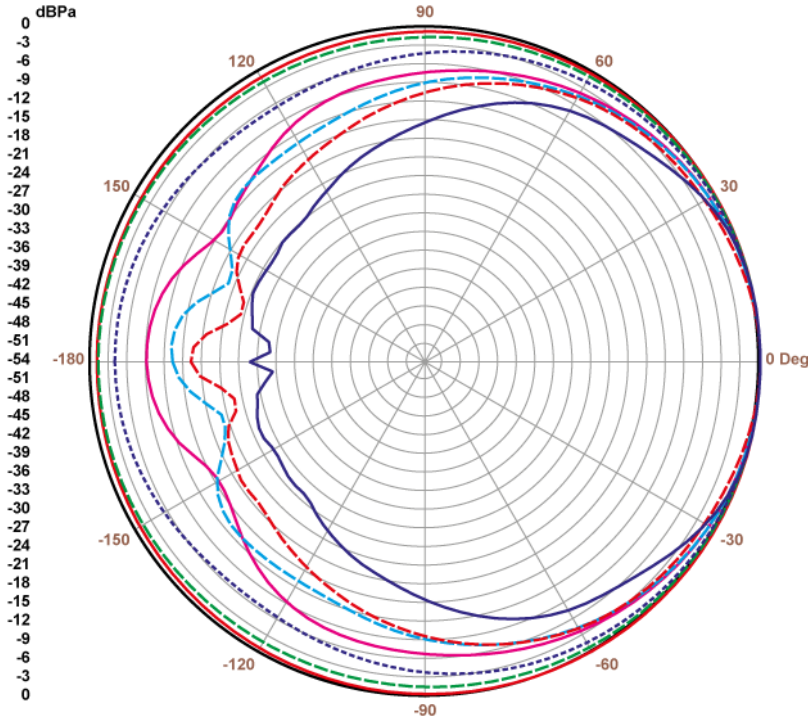
All the measurements are in mm

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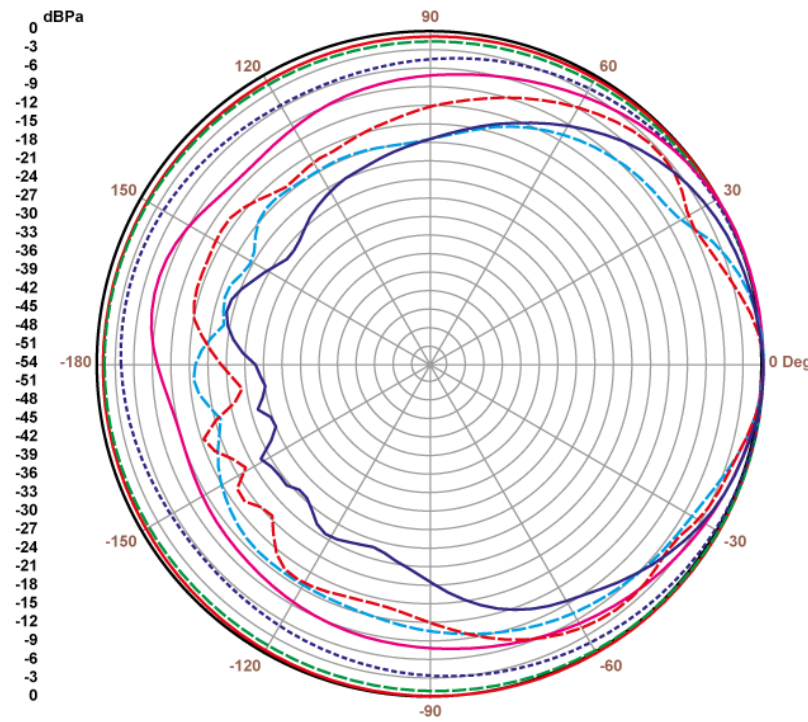
POLAR DIAGRAMS

Horizontal



Curve	Freq	BW	Q	DI
—	125.00	360	1.0	0.0
- - -	250.00	360	1.0	0.0
- - - -	500.00	218	1.7	2.2
—	1.00K	153	2.4	3.7
- - -	2.00K	135	2.7	4.3
- - - -	4.00K	131	2.8	4.4
—	8.00K	95	3.8	5.8

Vertical



Curve	Freq	BW	Q	DI
—	125.00	360	1.0	0.0
- - -	250.00	360	1.0	0.0
- - - -	500.00	360	1.0	0.0
—	1.00K	138	2.6	4.2
- - -	2.00K	69	5.2	7.2
- - - -	4.00K	120	3.0	4.8
—	8.00K	87	4.1	6.2

A&E SPECIFICATIONS

The loudspeaker shall be a 2-way wooden loudspeaker cabinet, incorporating a high-efficiency 5" mid/low woofer and 1" dome tweeter. It shall have a power handling of 70 W RMS with a peak power handling of 280 W and the effective frequency range (± 10 dB) shall be from 80 Hz to 20 kHz.

Crossover filter shall be at 3,2 kHz. The sensitivity shall be 89 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 107 dB.

The covered angle shall be $150^\circ \times 130^\circ$. The loudspeaker shall have a nominal impedance of 8 Ω . 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 double INPUT/STACK connector, Euroblock type, 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 186 mm wide, 280 mm high and 210 mm deep and the weight shall not exceed 3,6 Kg.

The loudspeaker shall be the ECLER ARQIS105i.

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 queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

Motors, 166-168 08038 Barcelona - Spain - (+34) 932238403 | information@ecler.com | www.ecler.com