Decler

ARQIS106i

CABINET LOUDSPEAKERS Architectural Loudspeaker Cabinet



PRODUCT OVERVIEW

ARQIS106i is a 2-way wooden loudspeaker cabinet with a compact format, stylish aesthetics, excellent sound quality and long-term reliability, featuring 120 WRMS @ 8Ω , 6" woofer and 1" HF Compression Driver. 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
- 120 WRMS @ 8Ω
- 6" 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
- 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

d ecrer

TECHNICAL SPECIFICATIONS

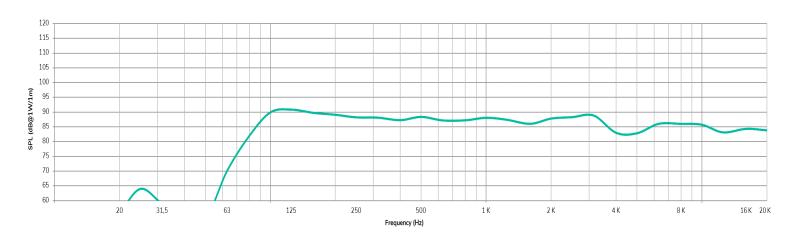
| Effective frequency range1 75 Hz - 20 kHz Coverage angle2 140°x160° (HxV) Power handling 120W RMS / 480W Peak Sensitivi3 88dB (1W/1m) Maximum SPL4 109dB continuous / 115dB peak Recommended amplifier 240W Transducers Ways Low frequency driver 6" woofer High frequency driver 1" Compression driver (rotatable) Nominal impedance 8Ω Filters Crossover filter Recommended High-Pass protection filter 70 Hz with minimum 12 dB / octave filter Physical Connection type Environmental IP31 Enclosure material MDF Grille material Steel Grille fixing system Screw fixation Flying points 8 × M6 Operating humidity <85% HR Storage temperature Min: -20°C ; -4°F Max: 70°C ; 158°F Storage humidity Storage humidity <65% HR Min: -20°C ; -4°F Max: 70°C ; 158°F Operating humidity <65% HR Min: -20°C ; -4°F Max: 70°C ; 158°F | ARQIS106i | |
|---|---|--|
| Coverage angle2 Power handling Sensitivity3140°x160° (HxV) 120W RMS / 480W Peak 88dB (1W/1m)Maximum SPL4109dB continuous / 115dB peak 240WTransducersWays Low frequency driver High frequency driver Nominal impedanceCrossover filter Nominal impedance3,2 kHz 70 Hz with minimum 12 dB / octave filterPhysicalConnection type EnvironmentalConnection type Environmental2 × Euroblock Surface, wall, desktopInstallation options G'ille material G'rille fixing system Storage temperatureSteel Min: -20°C ; -4°F Max: 70°C ; 158°FOperating temperature Max: 70°C ; 158°FStorage temperature Min: -20°C ; -4°F Max: 70°C ; 158°FStorage temperature Finished colorKeAL 9003) 215 × 350 × 240 mm / 8.54 × 13.78 × 9.45 in Vielt 16.31 lb Pieces per boxNeight dimensions (WxHxD) Pieces per box395 × 290 × 405 mm / 15.55 × 11.42 × 15.94 in | System | |
| Power handling Sensitivity3120W RMS / 480W Peak 88dB (1W/1m)Maximum SPL4 Recommended amplifier109dB continuous / 115dB peak 240WTransducers240WTransducers2-way, full range 6" woofer 1" Compression driver (rotatable) 80Filters3.2 kHz 70 Hz with minimum 12 dB / octave filterPhysicalCrossover filter 70 Hz with minimum 12 dB / octave filterPhysical2 × Euroblock Surface, wall, desktopGrille material Grille fixing system Flying points2 × Euroblock Surface, wall, desktopGoperating humidity Storage temperature (Storage temperature Min: -20°C ; -4°F Max: 70°C ; 158°FStorage temperature (Alen key/ 6m Allen key/ Min: -20°C ; -4°F Max: 70°C ; 158°FStorage temperature (Min: -20°C ; -4°F (Max: 70°C | Effective frequency range ¹ | 75 Hz - 20 kHz |
| Sensitivity388dB (1W/1m)Maximum SPL4109dB continuous / 115dB peakRecommended amplifier240WTransducersWaysWays2-way, full rangeCow frequency driver6" wooferHigh frequency driver1" Compression driver (rotatable)Nominal impedance80FiltersCrossover filterRecommended High-Pass protection filter70 Hz with minimum 12 dB / octave filterPhysicalConnection typeConnection type2 x EuroblockInstallation optionsSurface, wall, desktopEnclosure materialMDFGrille materialSteelGrille fixing systemScrew fixationFlying points8 x M6Operating humidity<85% HR | Coverage angle ² | 140°×160° (H×V) |
| Maximum SPL4 Recommended amplifier109dB continuous / 115dB peak 240WTransducersWays 2-way, full range 6" wooferLow frequency driver High frequency driver Nominal impedance6" woofer1" Compression driver (rotatable)8ΩFilters3,2 kHz 70 Hz with minimum 12 dB / octave filterPhysical2 × EuroblockInstallation options Grille materialSurface, wall, desktopInstallation options Grille fixing system Flying points2 × EuroblockGrille fixing system Flying pointsScrew fixationMax: 70°C ; 158°F Max: 70°C ; 158°FMax: 70°C ; 158°FOperating temperature Included accessoriesMin: -20°C ; -4°F Max: 70°C ; 158°FStorage temperature Finished colorBlack (RAL9005) or White (RAL 9003) 215 x 350 x 240 mm / 8.54 x 13.78 x 9.45 in Y.4 kg / 16.31 lb Pieces per boxLow Hart Yeices per box1 unit 395 x 290 x 405 mm / 15.55 x 11.42 x 15.94 ir | Power handling | 120W RMS / 480W Peak |
| Recommended amplifier 240W Transducers Ways 2-way, full range Low frequency driver 6" woofer High frequency driver 1" Compression driver (rotatable) Nominal impedance 8Ω Filters 3,2 kHz Recommended High-Pass protection filter 70 Hz with minimum 12 dB / octave filter Physical 2 x Euroblock 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 8 x M6 Operating temperature Min: -20°C ; -4°F Max: 70°C ; 158°F Max: 70°C ; 158°F Operating humidity <85% HR | Sensitivity ³ | 88dB (1W/1m) |
| Transducers Ways 2-way, full range Low frequency driver 6" woofer High frequency driver 1" Compression driver (rotatable) Nominal impedance 80 Filters S2 kHz Recommended High-Pass protection filter 3,2 kHz Physical Connection type Connection type 2 x Euroblock Installation options Surface, wall, desktop Environmental IP31 Grille material Steel Grille fixing system Screw fixation Flying points 8 × M6 Operating temperature Min: -20°C ; -4°F Max: 70°C ; 158°F Operating humidity Storage temperature Min: -20°C ; -4°F Max: 70°C ; 158°F Storage temperature Min: -20°C ; -4°F Max: 70°C ; 158°F Storage humidity <90% HR | Maximum SPL ⁴ | 109dB continuous / 115dB peak |
| Ways Low frequency driver High frequency driver Nominal impedance2-way, full range 6" woofer 1" Compression driver (rotatable) 8ΩFiltersCrossover filter 70 Hz with minimum 12 dB / octave filterPhysical2 x Euroblock Surface, wall, desktopConnection type Installation options Grille material Grille fixing system Flying points2 x Euroblock Surface, wall, desktopGenerating temperature Operating temperatureMin: -20°C ; -4°F Max: 70°C ; 158°FOperating humidity Included accessories290% HR VEASY Wall Bracket / 3mm Allen key/ 4mm Allen key / 6mm Allen keyFinished color Weight Pieces per box215 x 350 x 240 mm / 8.54 x 13.78 x 9.45 in Y, 4g / 16.31 lb Pieces per box | Recommended amplifier | 240W |
| Low frequency driver High frequency driver Nominal impedance6" woofer 1" Compression driver (rotatable) 8ΩFiltersCrossover filter3.2 kHzRecommended High-Pass protection filter70 Hz with minimum 12 dB / octave filterPhysicalConnection type Installation optionsSurface, wall, desktopEnvironmental Grille materialEnclosure material Grille fixing system Flying pointsScrew fixation Flying points B × M6Operating temperature Min: -20°C ; -4°F Max: 70°C ; 158°FOperating humidity (>90% HRStorage temperature Included accessoriesFinished color Weight Pieces per boxFinished color Weight Pieces per boxShipping dimensions (WxHxD)Syst 290 x 405 mm / 15.55 x 11.42 x 15.94 ir | Transducers | |
| High frequency driver Nominal impedance1" Compression driver (rotatable) 8ΩFiltersCrossover filter3.2 kHzRecommended High-Pass protection filter70 Hz with minimum 12 dB / octave filterPhysicalConnection type2 x EuroblockInstallation optionsSurface, wall, desktopEnvironmentalIP31Enclosure materialMDFGrille materialSteelGrille fixing systemScrew fixationFlying points8 x M6Operating temperatureMin: -20°C ; -4°FMax: 70°C ; 158°F<85% HR | Ways | 2-way, full range |
| Nominal impedance 8Ω Filters 3,2 kHz Recommended High-Pass protection filter 70 Hz with minimum 12 dB / octave filter Physical 2 x Euroblock Installation options Surface, wall, desktop Environmental IP31 Enclosure material MDF Grille fixing system Screw fixation Flying points 8 x M6 Operating temperature Min: -20°C ; -4°F Max: 70°C ; 158°F 485% HR Operating humidity 485% HR Min: -20°C ; -4°F Max: 70°C ; 158°F Storage temperature Min: -20°C ; -4°F Max: 70°C ; 158°F 82% HR Storage temperature Min: -20°C ; -4°F Max: 70°C ; 158°F 80% HR Storage temperature Min: -20°C ; -4°F Max: 70°C ; 158°F 80% HR Storage temperature Min: -20°C ; -4°F Max: 70°C ; 158°F 90% HR Storage temperature Min: -20°C ; -4°F Max: 70°C ; 158°F 90% HR Storage temperature Storage temperature | Low frequency driver | 6" woofer |
| FiltersCrossover filter3,2 kHzRecommended High-Pass protection filter70 Hz with minimum 12 dB / octave filterPhysical2 x EuroblockInstallation optionsSurface, wall, desktopInstallation optionsSurface, wall, desktopEnvironmentalIP31Enclosure materialMDFGrille fixing systemScrew fixationFlying points8 x M6Operating temperatureMin: -20°C ; -4°FMax: 70°C ; 158°FOperating humidity<85% HR | High frequency driver | 1" Compression driver (rotatable) |
| Crossover filter3,2 kHzRecommended High-Pass protection filter70 Hz with minimum 12 dB / octave filterPhysicalConnection type2 x EuroblockInstallation optionsSurface, wall, desktopEnvironmentalIP31Enclosure materialMDFGrille materialSteelGrille fixing systemScrew fixationFlying points8 x M6Operating temperatureMin: -20°C ; -4°FMax: 70°C ; 158°FOperating humidityStorage temperatureKas: 70°C ; 158°FStorage humidity90% HRIncluded accessoriesVEASY Wall Bracket / 3mm Allen key/ 4mm Allen key / 6mm Allen keyFinished colorBlack (RAL9005) or White (RAL 9003)Dimensions (WxHxD)215 x 350 x 240 mm / 8.54 x 13.78 x 9.45 in Veight Pieces per boxYeightYieces per boxShipping dimensions (WxHxD)395 x 290 x 405 mm / 15.55 x 11.42 x 15.94 ir | Nominal impedance | 8Ω |
| Recommended High-Pass protection filter70 Hz with minimum 12 dB / octave filterPhysicalConnection type2 x EuroblockInstallation optionsSurface, wall, desktopEnvironmentalIP31Enclosure materialMDFGrille materialSteelGrille fixing systemScrew fixationFlying points8 x M6Operating temperatureMin: -20°C ; -4°FMax: 70°C ; 158°FOperating humidityStorage temperatureMin: -20°C ; -4°FMax: 70°C ; 158°FStorage temperatureStorage temperatureMin: -20°C ; -4°FMax: 70°C ; 158°FStorage temperatureMin: -20°C ; -4°FMax: 70°C ; 158°FStorage temperatureStor30°C ; 158°FStorage temperatureMin: -20°C ; -4°FMax: 70°C ; 158°FStorage temperatureStorage temperatureStor30°C ; 158°FStorage temperatureStor30°C ; 158°CStorage temperatureStor30°C ; | Filters | |
| PhysicalConnection type2 x EuroblockInstallation optionsSurface, wall, desktopEnvironmentalIP31Enclosure materialMDFGrille materialSteelGrille fixing systemScrew fixationFlying points8 x M6Operating temperatureMin: -20°C ; -4°FMax: 70°C ; 158°FOperating humidity<85% HR | | 3,2 kHz |
| Connection type Installation options Environmental2 x Euroblock Surface, wall, desktopInstallation options EnvironmentalSurface, wall, desktopIP31IP31Enclosure material Grille materialMDFGrille fixing system Flying pointsScrew fixationFlying points8 x M6Operating temperatureMin: -20°C ; -4°FMax: 70°C ; 158°FOperating humidityStorage temperatureMin: -20°C ; -4°FMax: 70°C ; 158°FMax: 70°C ; 158°FStorage temperatureMin: -20°C ; -4°FMax: 70°C ; 158°FMax: 70°C ; 158°FStorage humidity<90% HR | Recommended High-Pass protection filter | 70 Hz with minimum 12 dB / octave filter |
| Installation options EnvironmentalSurface, wall, desktopEnvironmentalIP31Enclosure materialMDFGrille materialSteelGrille fixing systemScrew fixationFlying points $8 \times M6$ Operating temperatureMin: $-20^{\circ}C$; $-4^{\circ}F$ Max: $70^{\circ}C$; $158^{\circ}F$ Operating humidity $<85\%$ HRStorage temperatureMin: $-20^{\circ}C$; $-4^{\circ}F$ Max: $70^{\circ}C$; $158^{\circ}F$ Storage humidity $<90\%$ HRIncluded accessoriesVEASY Wall Bracket / 3mm Allen key/ 4mm Allen key / 6mm Allen keyFinished colorBlack (RAL9005) or White (RAL 9003)Dimensions (WxHxD) $215 \times 350 \times 240$ mm / $8.54 \times 13.78 \times 9.45$ in VeightPieces per box1 unitShipping dimensions (WxHxD) $395 \times 290 \times 405$ mm / $15.55 \times 11.42 \times 15.94$ ir | Physical | |
| EnvironmentalIP31Enclosure materialMDFGrille materialSteelGrille fixing systemScrew fixationFlying points $8 \times M6$ Operating temperatureMin: $-20^{\circ}C$; $-4^{\circ}F$ Max: $70^{\circ}C$; $158^{\circ}F$ Operating humidity $<85\%$ HRStorage temperatureMin: $-20^{\circ}C$; $-4^{\circ}F$ Max: $70^{\circ}C$; $158^{\circ}F$ Storage humidity $<90\%$ HRIncluded accessoriesVEASY Wall Bracket / 3mm Allen key/ 4mmAllen key / 6mm Allen keyBlack (RAL9005) or White (RAL 9003)Dimensions (WxHxD) $215 \times 350 \times 240$ mm / $8.54 \times 13.78 \times 9.45$ in WeightPieces per box1 unitShipping dimensions (WxHxD) $395 \times 290 \times 405$ mm / $15.55 \times 11.42 \times 15.94$ ir | Connection type | 2 x Euroblock |
| Enclosure materialMDFGrille materialSteelGrille fixing systemScrew fixationFlying points8 × M6Operating temperatureMin: -20°C ; -4°FMax: 70°C ; 158°FMax: 70°C ; 158°FOperating humidity<85% HR | Installation options | Surface, wall, desktop |
| Grille materialSteelGrille fixing systemScrew fixationFlying points $8 \times M6$ Operating temperatureMin: $-20^{\circ}C$; $-4^{\circ}F$ Max: $70^{\circ}C$; $158^{\circ}F$ Operating humidity $<85\%$ HRStorage temperatureMin: $-20^{\circ}C$; $-4^{\circ}F$ Max: $70^{\circ}C$; $158^{\circ}F$ Storage temperatureMin: $-20^{\circ}C$; $-4^{\circ}F$ Max: $70^{\circ}C$; $158^{\circ}F$ Storage humidity $<90\%$ HRIncluded accessoriesVEASY Wall Bracket / 3mm Allen key/ 4mm Allen key / 6mm Allen keyFinished colorBlack (RAL9005) or White (RAL 9003)Dimensions (WxHxD) $215 \times 350 \times 240$ mm / $8.54 \times 13.78 \times 9.45$ in $7,4$ kg / 16.31 lbPieces per box1 unitShipping dimensions (WxHxD) $395 \times 290 \times 405$ mm / $15.55 \times 11.42 \times 15.94$ ir | Environmental | IP31 |
| Grille fixing system Flying pointsScrew fixation 8 x M6Operating temperatureMin: -20°C ; -4°F Max: 70°C ; 158°FOperating humidity Storage temperature<85% HR | Enclosure material | MDF |
| Flying points8 x M6Operating temperatureMin: -20°C ; -4°FMax: 70°C ; 158°FOperating humidity<85% HR | Grille material | Steel |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Grille fixing system | Screw fixation |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Flying points | 8 x M6 |
| Operating humidity Storage temperature<85% HRMin: -20°C ; -4°F Max: 70°C ; 158°FMin: -20°C ; -4°F Max: 70°C ; 158°FStorage humidity Included accessories<90% HR | | Min: -20°C ; -4°F |
| Storage temperatureMin: -20°C ; -4°F Max: 70°C ; 158°FStorage humidity<90% HR | | Max: 70°C ; 158°F |
| Storage temperatureMin: -20°C ; -4°F Max: 70°C ; 158°FStorage humidity<90% HR | Operating humidity | <85% HR |
| Max: 70°C ; 158°FStorage humidity<90% HR | | Min: -20°C ; -4°F |
| Storage humidity<90% HRIncluded accessoriesVEASY Wall Bracket / 3mm Allen key/ 4mm Allen key / 6mm Allen keyFinished colorBlack (RAL9005) or White (RAL 9003)Dimensions (WxHxD)215 x 350 x 240 mm / 8.54 x 13.78 x 9.45 in WeightVeight7,4 kg / 16.31 lbPieces per box1 unitShipping dimensions (WxHxD)395 x 290 x 405 mm / 15.55 x 11.42 x 15.94 ir | | Max: 70°C ; 158°F |
| Included accessories VEASY Wall Bracket / 3mm Allen key/ 4mm Allen key / 6mm Allen key Finished color Black (RAL9005) or White (RAL 9003) Dimensions (WxHxD) 215 x 350 x 240 mm / 8.54 x 13.78 x 9.45 in Weight 7,4 kg / 16.31 lb Pieces per box 1 unit Shipping dimensions (WxHxD) 395 x 290 x 405 mm / 15.55 x 11.42 x 15.94 ir | Storage humidity | |
| Allen key / 6mm Allen keyFinished colorBlack (RAL9005) or White (RAL 9003)Dimensions (WxHxD)215 x 350 x 240 mm / 8.54 x 13.78 x 9.45 inWeight7,4 kg / 16.31 lbPieces per box1 unitShipping dimensions (WxHxD)395 x 290 x 405 mm / 15.55 x 11.42 x 15.94 ir | | |
| Finished color Black (RAL9005) or White (RAL 9003) Dimensions (WxHxD) 215 x 350 x 240 mm / 8.54 x 13.78 x 9.45 in Weight 7,4 kg / 16.31 lb Pieces per box 1 unit Shipping dimensions (WxHxD) 395 x 290 x 405 mm / 15.55 x 11.42 x 15.94 ir | | |
| Dimensions (WxHxD) 215 x 350 x 240 mm / 8.54 x 13.78 x 9.45 in Weight 7,4 kg / 16.31 lb Pieces per box 1 unit Shipping dimensions (WxHxD) 395 x 290 x 405 mm / 15.55 x 11.42 x 15.94 ir | Finished color | |
| Weight 7,4 kg / 16.31 lb Pieces per box 1 unit Shipping dimensions (WxHxD) 395 x 290 x 405 mm / 15.55 x 11.42 x 15.94 ir | | |
| Pieces per box 1 unit Shipping dimensions (WxHxD) 395 x 290 x 405 mm / 15.55 x 11.42 x 15.94 ir | | |
| Shipping dimensions (WxHxD) 395 x 290 x 405 mm / 15.55 x 11.42 x 15.94 ir | | |
| | • | |
| | | |
| | | 0.7 Ng / 10.10 lb |

¹10dB below the sound pressure level at specified sensitivity

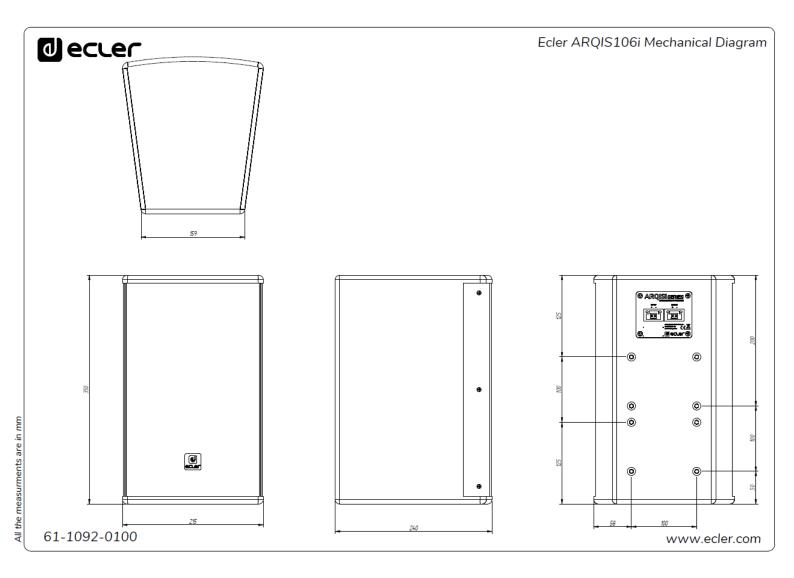
²6dB below the sound pressure level than that at the direction of maximum level, Max. angle between 1 kHz and 4 kHz.
³Measured on-axis, far field and referenced to 1 meter by inverse square law. Average from 100 Hz to 10 kHz.
⁴Calculated from sensitivity and power handling specifications, exclusive of power compression

decrer

FREQUENCY RESPONSE ON-AXIS



MECHANICAL DIAGRAMS



decler

DI

0.0

0.0

2.5

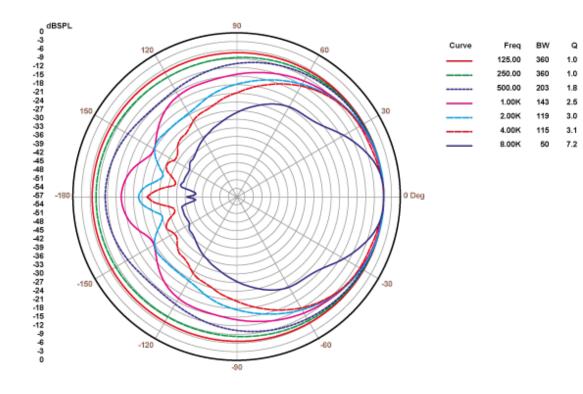
4.0

4.8 5.0

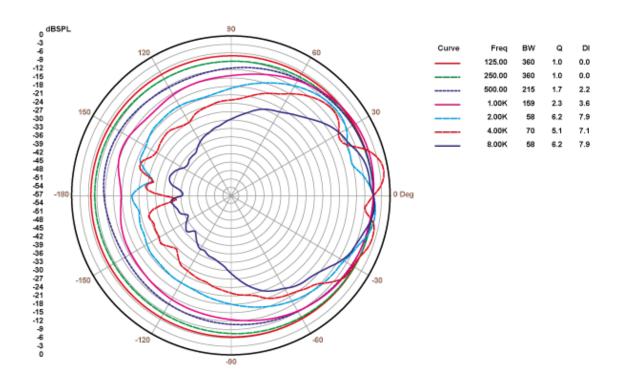
8.5

POLAR DIAGRAMS

HORIZONTAL



VERTICAL



A&E SPECIFICATIONS

The loudspeaker shall be a 2-way wooden loudspeaker cabinet, incorporating a high-efficiency 6" mid/low woofer and 1" rotatable compression driver. It shall have a power handling of 120 W RMS with a peak power handling of 480 W and the effective frequency range ($\pm 10 \text{ dB}$) shall be from 75 Hz to 20 kHz.

Crossover filter shall be at 3,2 kHz. The sensitivity shall be 88 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 109 dB.

The coverage angle shall be 140° x 160°. 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 an 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 215 mm wide, 350 mm high and 240 mm deep and the weight shall not exceed 7,4 Kg.

The loudspeaker shall be the ECLER ARQIS106i.



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 <u>Support / Technical requests</u>.

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