



# PX115

High-power speaker 15"

The PX series are compact full-range loudspeaker cabinets for a wide variety of indoor or outdoor applications. They come in four different models, each of them with different size and performance meeting the requirements for every specific application. The PX115 is the 15" model of the PX family, consisting of a 15" high output woofer and a compression driver with 1.3" voice coil. The compression driver is fitted with a 90° x 75° coverage horn which can be rotated allowing both horizontal and vertical use. Thanks to the high-quality components and an accurately optimized integrated passive crossover network with tweeter overload protection, the PX115 delivers a clear and natural sound with an RMS power of 300 Watt and a maximum power of 600 Watt. The frequency range (-10 dB) starts from 45 Hz up to 20 kHz and the sensitivity (1W / 1m) reaches 100 dB while a maximum continuous sound pressure level from 125 dB can be achieved. The construction of the cabinets is made of medium-density fiberboard with a durable textured and scratch resistant EPDM coating. The front side of the cabinet is finished with a powder-coated steel grill lined with acoustically transparent backing. Recessed carry handles on both sides of the cabinet make carrying easy. Positioning and suspension of the speaker are easily achieved by using the standard 35 mm pole adapter on the bottom side and M10 rigging points. An optional mounting bracket provides a complete solution for wall mounting. Two speaker connectors on the rear side of the cabinet provide reliable connections with easy link-through to other cabinets.

## Applications:

- Events
- Concert venues
- Clubs, discotheques
- Live performances



## Properties:



Rotatable

## Impedance:



8 Ohm

## System specifications:

---

|                            |                        |                                      |
|----------------------------|------------------------|--------------------------------------|
| Speaker type               |                        | 2-way                                |
| Max. Power                 |                        | 600 W                                |
| RMS Power                  |                        | 300 W                                |
| Impedance                  |                        | 8 $\Omega$                           |
| Sensitivity (1W/1m)        |                        | 100 dB                               |
| Sound Pressure (Max. W/1m) |                        | 125 dB                               |
| Frequency                  | Response ( $\pm$ 3 dB) | 60 Hz - 19 kHz                       |
|                            | Range (-10 dB)         | 45 Hz - 20 kHz                       |
| Crossover                  | Frequency              | 2 kHz                                |
|                            | Type                   | Passive built-in                     |
| Dispersion                 | Horizontal             | 90°                                  |
|                            | Vertical               | 75°                                  |
| Connectors                 |                        | 2 x Speakon compatible (Linkthrough) |
| Drivers                    | HF                     | 1.3" Compression driver              |
|                            | MF                     | 15"                                  |

## Product Features:

---

|                     |                |   |
|---------------------|----------------|---|
| Dimensions          |                | 435 x 764 x 495 mm (W x H x D)                    |
| Weight              |                | 35 kg   |
| Construction        |                | Medium Density Fibreboard with structured coating |
| Front finish        |                | Powder coated steel grill with lining             |
| Mounting & handling | Rigging points | 8 x M10   |
|                     | Stand fitting  | 35 mm pole adapter on bottom                      |
|                     |                | M10 screw flange on top                           |
|                     | Carry handles  | On both sides                                     |
| Colours             |                | Black (RAL9005) (PX115MK2)                        |
|                     |                | White (RAL9010) (PX115MK2/W)                      |
| Accessories         | Optional       | CPB115P Protective cover bag                      |
|                     |                | MBK115 Wall mounting bracket                      |

## Variants:

---

- PX115MK2 - Black version
- PX115MK2W - White version

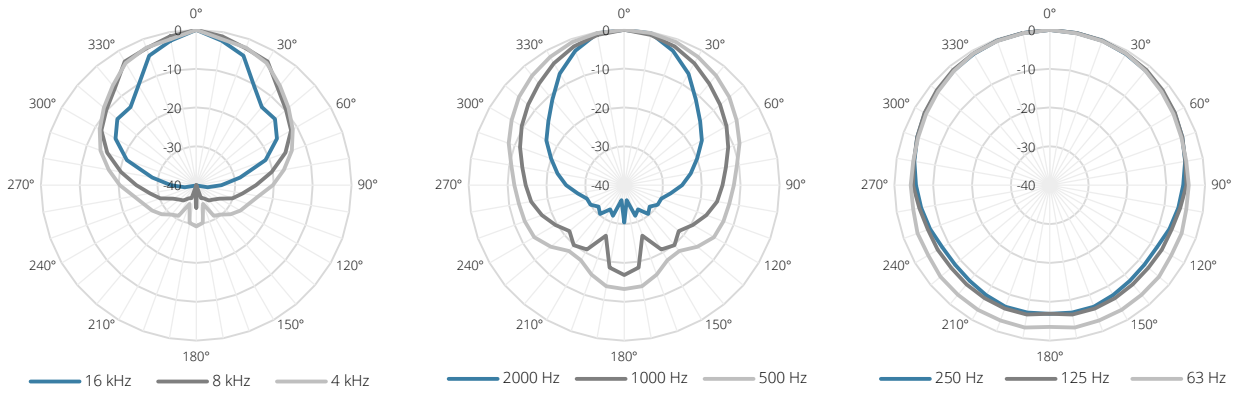
## Architects' and Engineers' Specifications:

---

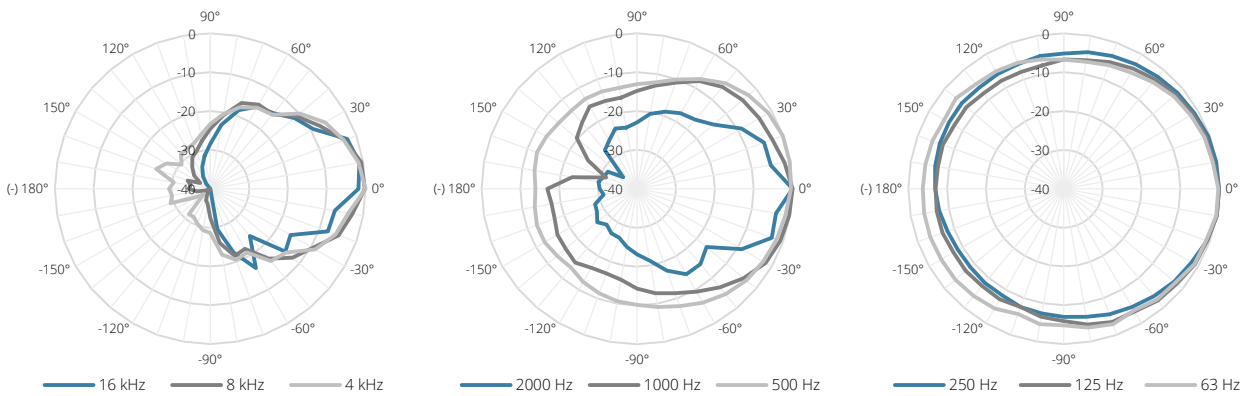
The loudspeaker cabinet must be a 15" 2-way system. The cabinet must be constructed of medium density fiberboard with a durable scratch proof EPDM coating. The front side must be finished with a powder coated steel grill which is lined with an acoustical transparent backing. The cabinet must have recessed carry handles on both sides of the cabinet for easy handling, while a standard 35 mm pole adapter and 8 x M10 rigging points must be provided for positioning and suspension of the speaker. The loudspeaker cabinet must have an RMS power handling of 300 Watt with a maximum power handling of 600 Watt. The frequency response (-10 dB) must range from 45 Hz to 20 kHz. The sensitivity must be 100 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level must reach 125 dB. The loudspeaker must consist of a 1.3" HF compression driver and a 15" medium frequency range loudspeaker. It must have an impedance of 8 Ohm and contain a passive built-in crossover network with a crossover frequency of 2.0 kHz. The complete model is constructed of high-quality components. It must also have an integrated tweeter overload protection circuit. The horn mounted on the HF driver must have a horizontal dispersion of 90° and a vertical dispersion of 75° and must be rotatable, allowing both horizontal and vertical use. Connections with the speaker must be made using 2 x speakon compatible connectors, allowing easy connection and link-through. The loudspeaker cabinet must not exceed a width of 435 mm, a height of 764 mm and a depth of 495 mm. Its weight must not exceed 35 kg.

# Acoustical data graphs:

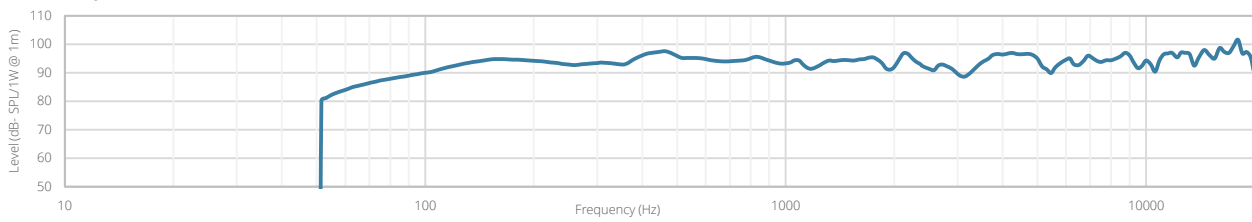
## Horizontal Polars:



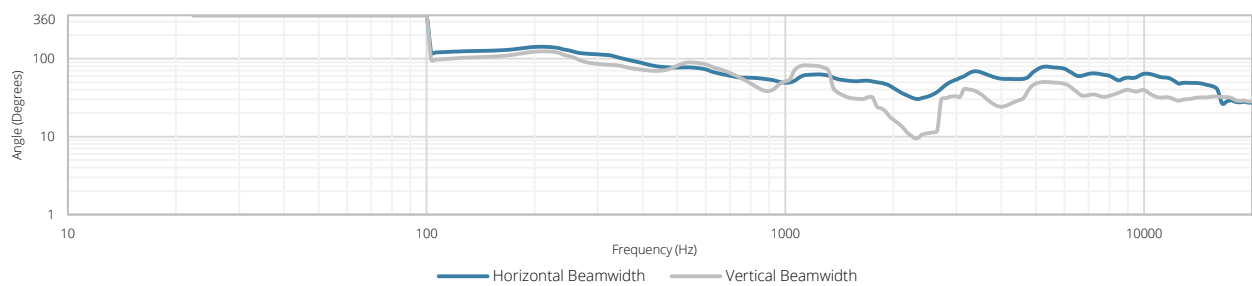
## Vertical Polars:



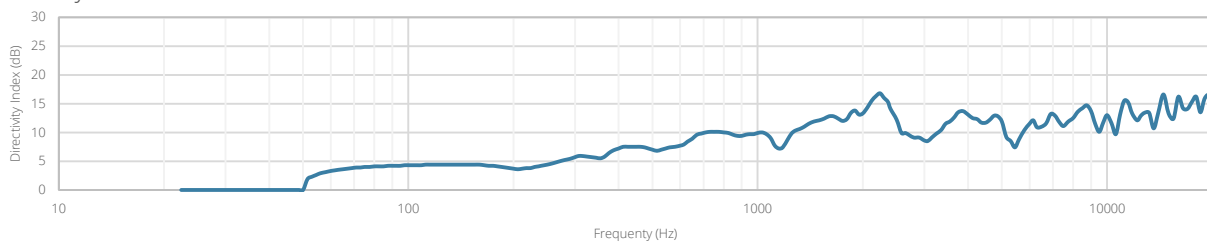
## Sensitivity:

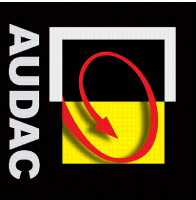
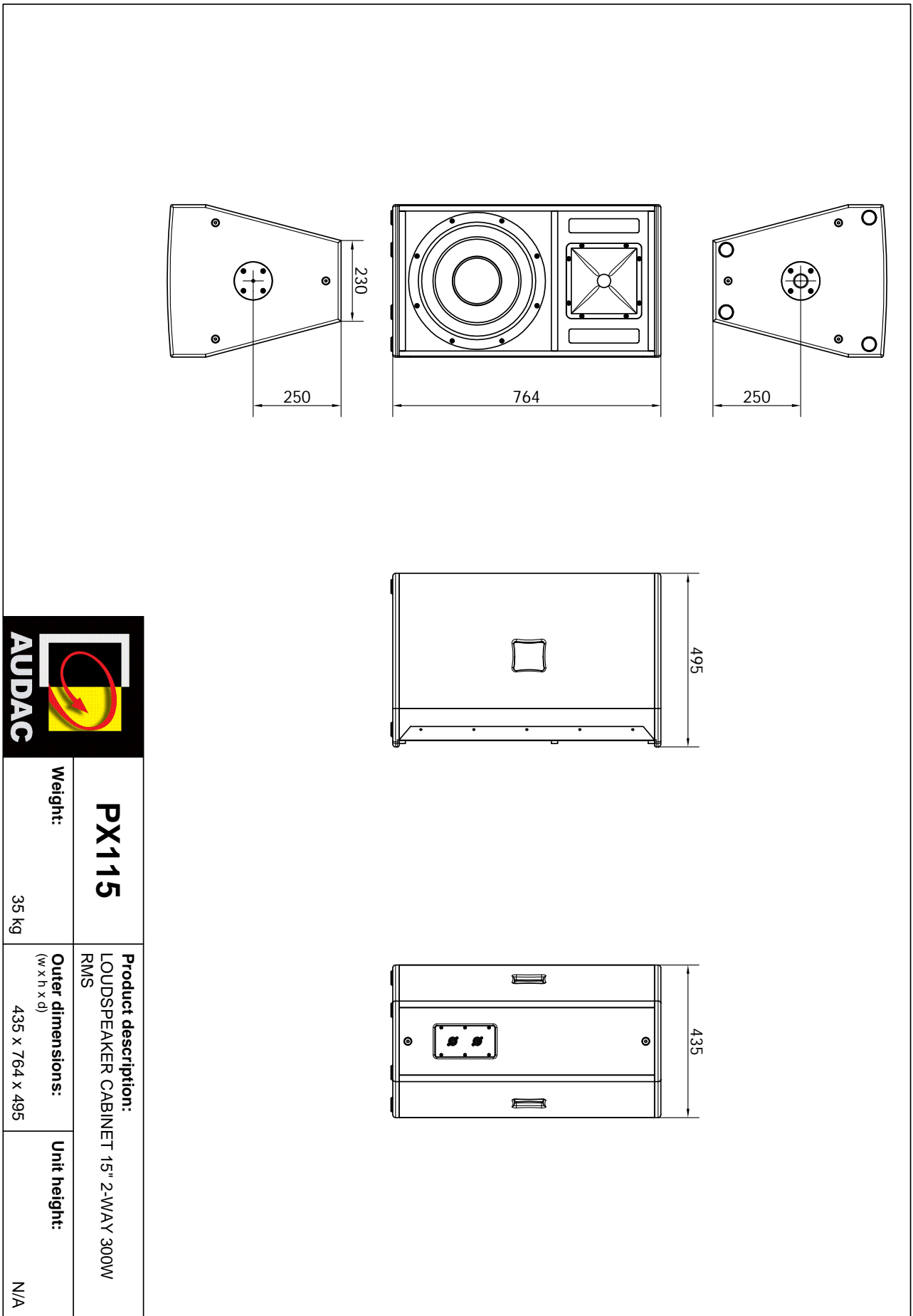


## Beamwidth (-3dB):



## Directivity index:





|                                 |   |                                    |
|---------------------------------|---|------------------------------------|
| <p><b>PX115</b></p>             | <p><b>Product description:</b><br/>LOUDSPEAKER CABINET 15" 2-WAY 300W RMS</p> | <p><b>Unit height:</b><br/>N/A</p> |
| <p><b>Weight:</b><br/>35 kg</p> | <p><b>Outer dimensions:</b><br/>(w x h x d)<br/>435 x 764 x 495</p>           |                                    |