

# The Yi10P loudspeaker



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The Yi10P is a passive 2-way loudspeaker housing two 8" LF drivers and a 1.4" HF compression driver with a rotatable CD horn producing a nominal dispersion (h x v) of 110° x 40°, respectively. The frequency response extends from 59 Hz to above 18 kHz. The two 8" neodymium LF drivers are positioned in a dipolar arrangement providing exceptional vertical dispersion control even at lower frequencies.

Specially designed ports with optimized flow characteristics provide a considerably improved, efficient low frequency reproduction.

The cabinets are constructed from marine plywood and have an impact and weather protected PCP (Polyurea Cabinet Protection) finish.

The front of the cabinet is protected by a rigid metal grill backed by an acoustically transparent foam.

## d&b amplifiers

The d&b audiotechnik loudspeaker range is designed exclusively for operation with d&b amplifiers. These provide power as well as comprehensive control and protection functions tailored to achieve the performance, reliability and longevity associated with the d&b system approach.

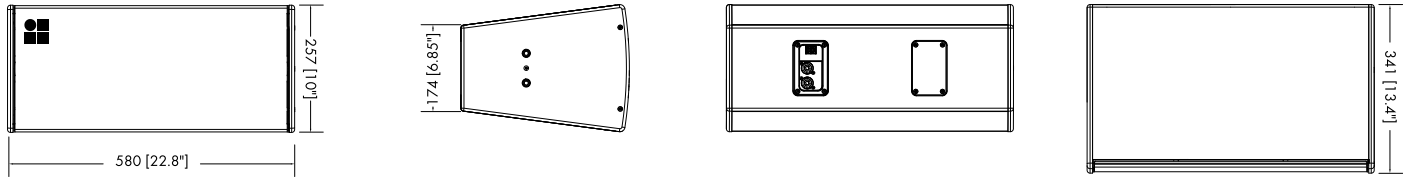
## System data

|                                       |  |
|---------------------------------------|--|
| Frequency response (-5 dB standard)   | 59 Hz - 18 kHz   |
| Frequency response (-5 dB CUT mode)   | 118 Hz - 18 kHz  |
| Max. sound pressure (1 m, free field) |  |
| with D6/10D                           | 132 dB   |
| with D12/D20/30D                      | 135 dB   |
| with 40D/D40/D80                      | 136 dB   |
|                                       | (SPLmax peak, pink noise test signal with crest factor of 4) |

## Loudspeaker data

|  |   |
|--|---|
| Nominal impedance                        | 8 ohms  |
| Power handling capacity (RMS/peak 10 ms) | 400/1600 W  |
| Nominal dispersion angle (horizontal)    | 110°  |
| Nominal dispersion angle (vertical)      | 40°   |
| Components                               | 2 x 8" driver with neodymium magnet                       |
|  | 1.4" exit compression driver                              |
|  | Passive crossover network                                 |
| Connections                              | 2 x NL4 M   |
|  | 1 x screw terminal (ST - up to 4 mm <sup>2</sup> /AWG 11) |
|  | WR option: Faston type connector (2 x 6,3mm)              |
| Pin assignment                           | NL4 M: 1+/1-  |
|  | WR option: Brown: (+) / Blue: (-)                         |
| Weight                                   | 18 kg (40 lb)   |

# The Yi10P loudspeaker



**Yi10P cabinet dimensions in mm [inch]**

## Architectural specifications

The 2-way dipolar, passive loudspeaker shall consist of two 8" low frequency drivers with a neodymium magnet assembly and one 1.4" exit neodymium compression driver mounted to a rotatable CD horn and a passive crossover network.

The loudspeaker shall only be operated by a dedicated, compatible controller amplifier.

The cabinet enclosure shall be made from marine plywood with an impact resistant black paint finish.

Special colours according to RAL table and a weather resistant option shall be available upon request.

The drivers shall be protected by a rigid metal grill backed by an acoustically transparent foam.

The cabinet shall incorporate two M10 threaded inserts on the top and bottom panel for the secure attachment of dedicated mounting brackets.

The connection panel on the back shall be recessed and fitted with two speakon NL4 M sockets and a two pole screw terminal block. A cover plate for protection of the connection panel shall be included.

The HF horn shall have a nominal dispersion of 110° x 40° (h x v).

The power handling capacity shall be 400 W RMS and 1600 W peak (10 ms). The frequency response (-5 dB) measured on axis shall be 59 Hz to 18 kHz with a maximum sound pressure of at least 136 dB.

The dimensions (WxHxD) shall not exceed 257 x 580 x 341 mm (10" x 22.8" x 13.4") and shall weigh no more than 18 kg (40 lb).

The loudspeaker shall be the Yi10P by:

d&b audiotechnik GmbH & Co. KG.