

# Cyclone Bass

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## Key features:

- Reflex-loaded 12" low frequency enclosure
- Compact fibreglass enclosure
- Marine-grade stainless steel fittings
- UV-resilient paint
- Weather-protected with an IP-55 rating (BS EN 60529:1992 +A2:2013)

## Applications:

- Nightclub fill
- Outdoor
- Bar, club, lounge
- Hotel, restaurant



The Cyclone Bass brings a new level of aesthetic to high-profile, outdoor environments. Fitted with a single high-powered 12" transducer, this loudspeaker has an IP-55 rating, making it suitable for beach bars, restaurants, theme parks and any location where a corrosive atmosphere exists. Available in a wide range of custom colours, this design makes use of Phoenix connectors, with link out capability for ease of installation.

## Specifications

Frequency response	40 Hz - 160 Hz -3 dB
Efficiency <sup>1</sup>	97 dB 1W/1m
Crossover points	80 Hz - 160 Hz Active
Nominal impedance	8 $\Omega$
Power handling <sup>2</sup>	600 W AES
Maximum output <sup>3</sup>	123 dB cont, 129 dB peak
Driver configuration	1 x 12"
Connectors	Phoenix connectors with link out
Weight	33.5 kg (73.9 lbs)
Enclosure	Fibreglass
Ip rating	IP-55 (BS EN 60529:1992 +A2:2013)
Mounting	Type 75 plate
Finish	Smooth cellulose

<sup>1</sup> Measured in half space <sup>2</sup> AES2 - 1984 compliant <sup>3</sup> Calculated

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## Architectural specifications

The loudspeaker shall be a active sub system consisting of one high power 12" (304.8 mm), direct radiating, reflex loaded, low frequency (LF) transducer mounted in a moulded fibreglass trapezoidal enclosure.

The low frequency (LF) transducer shall be constructed on a cast aluminium frame with treated paper cone and a 101.6 mm (4") voice coil, wound with copper wire on a high quality voice coil former, for high power handling and long-term reliability.

Performance specifications for a typical production unit shall be as follows: the usable on-axis bandwidth shall be 40 Hz to 160 Hz ( $\pm 3$  dB) with a maximum SPL of 129 dB peak measured at 1 m using IEC268-5 pink noise. Power handling shall be 600 W AES at a rated impedance of 8  $\Omega$ . Pressure sensitivity shall be 97 dB measured at 1W/1m. The system shall be powered by its own dedicated power amplification module with DSP management.

The wiring connection shall be via a single removable, lockable wiring connector with four screw-down terminals (one pair for input and one pair for loop-out to another loudspeaker) to provide secure wiring and allow for pre-wiring of the connector before the installation. This connector should then screw lock to the enclosure to ensure secure attachment.

The enclosure shall be of a moulded fibreglass reinforced plastic construction with a smooth cellulose finish and shall include integral threaded inserts for the fitment of wall and ceiling mounting hardware of any RAL colour. External dimensions shall be (H) 370 mm x (W) 490 mm x (D) 455 mm (14.6" x 19.3" x 17.9"). Weight shall be 33.5 kg (73.9 lbs).

The loudspeaker system shall be a Void Acoustics Cyclone Bass.

