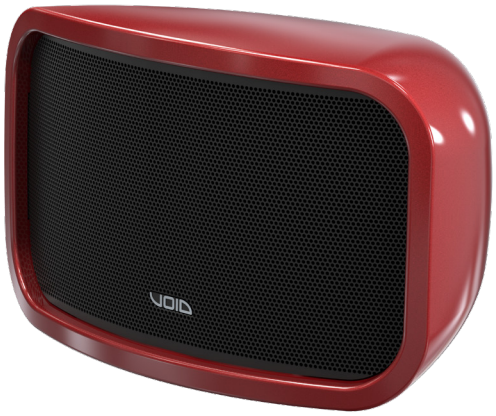
Cyclone 8

Key features:

- Passive 8" two-way surface mount loudspeaker
- Compact fibreglass enclosure
- Non-resonant structure
- Marine-grade stainless steel fittings
- UV resilient paint
- Weather-protected with an IP-55 rating (BS EN 60529:1992 +A2:2013)



Applications:

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

As the ideal mid-point solution between the Cyclone 55 and the Cyclone 10 models, the Cyclone 8 offers an installation-friendly package with an IP-55 rating that can be used both indoors and outdoors. Whether it's a stand-alone application for beach bars, lounges, restaurants, cruise ships and hotels, or providing area fill when used with a larger main club system, high-quality sound is a given. State-of the-art porting minimises turbulent noise and maximises LF performance. The low frequency transducer and 1" coaxially mounted high frequency compression driver provide increased efficiency for its compact, stylish form. Flexible mounting solutions enable quick, secure installation with a wide range of adjustment.

Specifications

Frequency Response	70 Hz - 20 kHz ±3 dB
Efficiency[1]	94 dB 1W/1m
Crossover Points	2 kHz passive
Nominal Impedance	8 Ω
Power Handling[2]	200 W AES
Maximum Output[3]	118 dB cont, 121 dB peak
Driver Configuration	1 x 8", 1 x 1" coaxial
Dispersion	90°H x 90°V
Connectors	Phoenix
Weight	14 kg (31 lbs)
Enclosure	Fibreglass composite
IP rating	IP-55 (BS EN 60529:1992 +A2:2013)
Mounting	Type 80 plate
Colour	Custom colours available upon request

[1] Calculated [2] AES2 - 1984 compliant [3] Calculated

Version 1.0

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Architectural specifications

The loudspeaker shall be a passive two-way system consisting of one high power 8" (203.2 mm) direct radiating reflex loaded low frequency (LF) transducer and a 1" (25 mm) diameter co-axially-mounted high frequency (HF) compression transducer mounted in a fibreglass, smooth cellulose enclosure.

The low frequency transducer shall be constructed on a cast aluminium frame, with a treated paper cone, 50.8 mm (2") voice coil, wound with copper wires on a high quality voice coil former, for high power handling and long-term reliability. The high frequency transducer shall be bolted through the rear of the magnet structure belonging to the LF transducer to form a co-axial drive unit. The sound will project through a machined waveguide that exits in the centre of the low frequency transducer to use the 203.2 mm (8") baffle diameter to achieve pattern control and low distortion.

Performance specifications for typical production unit shall be as follows: the usable on-axis bandwidth shall be 70 Hz to 20 kHz (±3 dB) and shall average 90° directivity pattern for both horizontal and vertical axis (-6 dB down from on-axis level) from 1 kHz to 10 kHz; maximum SPL of 118 dB continuous, 121 dB peak measured at 1 m using IEC268-5 pink noise. Power handling shall be 200 W AES at a rated impedance of 8 Ω; crossover point at 2 kHz using a 2nd order filter (12 dB per octave).

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 to 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 with external dimensions of (H) 281 mm x (W) 450 mm x (D) 293 mm (11" x 17.7" x 11.5"). Weight shall be 14 kg (31 lbs).

The loudspeaker shall be the Void Acoustics Cyclone 8.