

HOPS12i Data Sheet

HOPS12i

High Output 3-way
Full Range Point Source
for Installations



The CODA HOPS12i is an extremely high output 3-way installation point source featuring dual 12" neodymium ultra low distortion cone drivers and a 1.4" mid/high driver in a compact enclosure. The loudspeaker is available with different dispersions providing variable directivity to many installation applications - for instance, dance clubs, houses of worship, sport venues, theatres and corporate events.

The triaxial design aligns the acoustic centres of the transducers to produce a perfectly coherent and uniform wavefront and power response, with directivity control down to 300 Hz. HOPS12i is loaded with the best of the best in CODA Audio's advanced technologies: the 1.4" coaxial driver, Dynamic Airflow Cooling (DAC) and phase linearity.

HOPS12i incorporates the same extreme high performance 12" neodymium cone drives with 4" voice coils that are found in CODA Audio's flagship AiRAY. They feature an unrivalled long excursion and are fitted with high flux linear motors. These high efficiency drivers also exhibit ultra-low levels of distortion, all the while minimising any influences from power compression. Their moving mass is minimised through use of carbon fibre diaphragms which improve cone stiffness and internal damping, resulting in high sensitivity, and pristine sonic clarity.

Versatility - one enclosure – different dispersions. HOPS12i features exchangeable waveguides providing various options for adjusting directivity. The benefits of this cannot be understated – the broadband energy is exactly focused where it's needed, whilst keeping it away from walls and other reflective surfaces. Both 90° x 60° and 60° x 40° waveguides variants are rotatable. HOPS12i can be used as a stand-alone full range system, or together with subwoofers.

HOPS12i Features

- ⊕ 3-way high output point source optimised for installation applications
- ⊕ Frequency range: 44 Hz – 22 kHz (-6 dB)
- ⊕ High power handling of 2000 W AES
- ⊕ Unique 1.4" mid/high coaxial ring-diaphragm neodymium driver
- ⊕ Dual 12" neodymium ultra low distortion driver
- ⊕ Variable and rotatable dispersion patterns: 90° x 60° or 60° x 40°
- ⊕ Max. SPL peak 144 dB
- ⊕ Dynamic Airflow Cooling (DAC) Technology
- ⊕ Superior sound with linear phase response
- ⊕ System integration with LINUS amplifiers

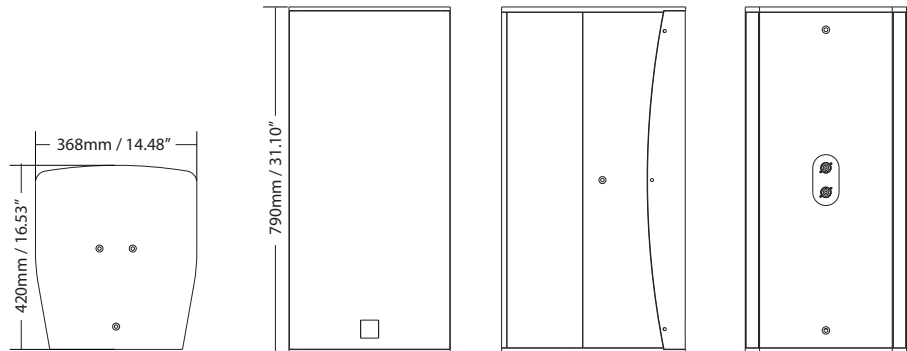


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Product type:	High output 3-way full range point source for installations
Frequency response:	44 Hz – 22 kHz (-6 dB)
Power handling AES / peak:	2000 W / 8000 W
Max. peak SPL (with LINUS14D):*	HOPS12i-64: 144 dB (A) / HOPS12i-96: 142 dB (A)
Dispersion horizontal:	HOPS12i-64: 60° (rotatable) / HOPS12i-96: 90° (rotatable)
Dispersion vertical:	HOPS12i-64: 40° (rotatable) / HOPS12i-96: 60° (rotatable)
Components Low frequency:	2x 12" neodymium, water resistant cones, 4" (101 mm) VC, 1000 W (AES) each
Components Mid/High frequency:	1.4" neodymium coaxial driver MF: 3.5" (90 mm) VC, 150 W (AES) HF: 1.75" (44.4 mm) VC, 80 W (AES)
Crossover point:	3-way passive 440 Hz, 6300 Hz
Input connectors:	2x Neutrik™ NL4MP
Nominal impedance LF / MF+HF:	8 Ω (1+/1-)
Enclosure material:	Hybrid - birch plywood and aluminium.
Finish:	Polyurea coating (water resistant)
Suspension:	12 x M8
IP rating options (IEC 60529):	Standard IP55 (direct cable) Standard IP54 (Speakon NL4MP)
Weatherproof options:	MG1 (Marine Grade 1): IP55
Dimensions (WxHxD):	368 x 790 x 420 mm / 14.5 x 31.1 x 16.5"
Dimensions including hardware (WxHxD):	N/A
Net weight:	34 kg / 74.96 lbs

*Measured with pink noise 12 dB crest factor, ISO226-2003. Half-space loading.



Other HOPS12i System Products



U4

High Output Dual 18"
Multipurpose Subwoofer

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SCP

High Output Dual 18"
Sensor Controlled Subwoofer



LINUS14D

4-Channel Loudspeaker
Management Amplifier

CODA
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