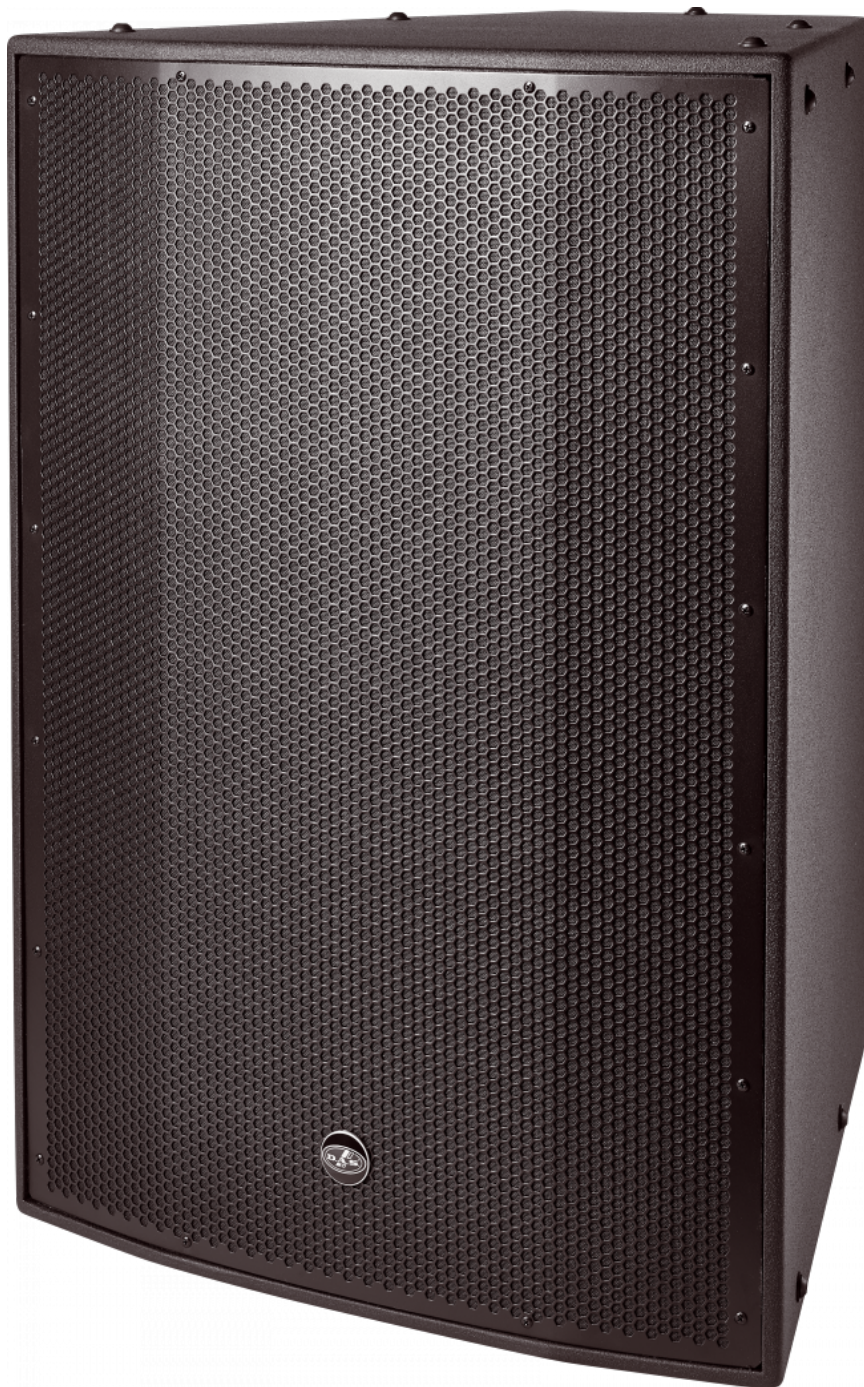


HQ series



HQ-112.43-CX

DAS Audio Group, S.L. - C/ Islas Baleares 24 - 46988
Fuente del Jarro - Valencia - Spain - Tel. +34961340860
Updated (DD/MM/YYYY): 31/01/2025



SOUND WITH SOUL

KEY FEATURES

- Two-way long-throw system
- Horn loaded 12" low frequency loudspeaker
- CX finish (ISO-flex) for covered exposure
- M-78N neodymium compression driver
- Selectable passive/bi-amplified operating modes
- Tight 40° x 30° coverage angles
- Rotatable horns
- Stainless steel rigging kit

DESCRIPTION

HQ-112.43 is a configurable, wide-range passive or bi-amplified two-way system designed for long-throw applications, providing efficient coverage over large distances. It is equipped with a 12" mid-low frequency driver, coupled to a high-Q waveguide to optimize coverage and performance, and an M-78N compression driver with a 1.5" titanium diaphragm. The system is optimized to deliver a clear and precise acoustic response. Additionally, it incorporates two rotatable waveguides, one for mid frequencies and one for high frequencies, facilitating installation in various configurations.

HQ-112.43 covers a frequency range of 80 Hz to 18 kHz, reaching a maximum sound pressure level of 143 dB SPL in passive mode. It has a power handling capacity of 400 W RMS and 1600 W peak in passive mode, with a nominal impedance of 8 ohms. In bi-amplified mode, the system handles up to 400 W RMS for mid frequencies and 150 W RMS for high frequencies.

The system is available in two versions: CX (Covered Exposure), which is protected with an ISO-flex coating both externally and internally, and DX (Direct Exposure), which adds an external fiberglass layer and an internal gel seal for enhanced weather resistance. Both versions comply with the IP54 standard, ensuring durability in demanding environments.

Equipped with M10 rigging points, HQ-112.43 is suitable for configurations in large venues, halls, or auditoriums and is designed to provide precise horizontal and vertical coverage control (40° x 30°).

HQ-112.43-CX



SPECIFICATIONS

Performance

Frequency Range (-10 dB)	80 Hz – 18 kHz
Horizontal Coverage (-6 dB)	40°
Vertical Coverage	30°
Nominal Impedance	Passive: 8 ohms
Nominal Impedance MF	8 ohms
Nominal Impedance HF	8 ohms
RMS Power Handling	Passive: 400 W
RMS Power Handling HF	150 W
RMS Power Handling MF	400 W
Peak Power Handling	Passive: 1600 W
Peak Power Handling MF	1600 W
Peak Power Handling HF	400 W
On-axis Sensitivity 1W/1 m	Passive: 111 dB SPL
On-axis Sensitivity 1W/1 m MF	111 dB SPL
On-axis Sensitivity 1W/1 m HF	112 dB SPL
Maximum Peak SPL at 1 m	Passive: 143 dB
Maximum Peak SPL at 1 m MF	143 dB
Maximum Peak SPL at 1 m HF	140 dB
Recommended Processor	INTEGRAL-M88 INTEGRAL-MA1604 INTEGRAL-MA1004

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Audio Input Connector	1 x speakON NL4 Covered Barrier Strip Terminals
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Audio Output Connector	1 x speakON NL4 Covered Barrier Strip Terminals
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Enclosure

Enclosure Construction	Birch Plywood
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Enclosure Geometry	Trapezoidal
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Rigging	M10 Rigging Points
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Finish	Fiberglass
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Color	Black
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Depth	720 mm (28,4 in)
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Dimensions (H x W x D)	990 x 685 x 720 mm 39,0 x 27,0 x 28,4 in
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Net Weight	62,5 kg (137,8 lb)
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Components

LF Driver	12HQN
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HF Driver	M-78N
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Horn/Waveguide	BCH-4030-7037 BCM-4030-7037
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Shipping

Carton Dimensions (H x W x D)	1.070 x 650 x 745 mm 42,1 x 25,6 x 29,3 in
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Connectors

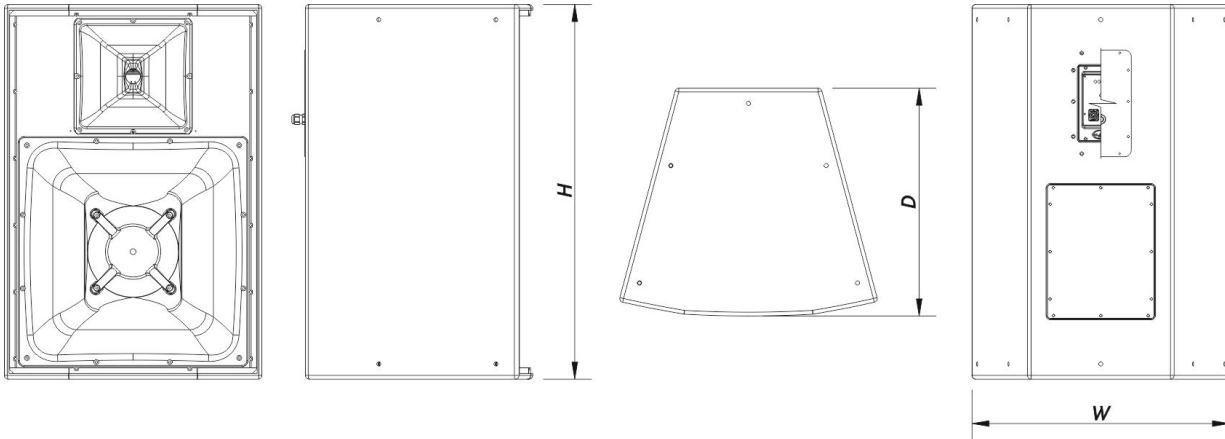
Shipping Weight	67,5 kg (148,8 lb)
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DIMENSIONS



ORDERING INFORMATION

Model	Description	P/N
System		
HQ-112.43-CX		10432080
Replacement Parts		
12HQN	Cone Transducer	20208890
BCH-4030-7037	Horn	30006309
BCM-4030-7037	Horn	30006310
F-HQ112.43	Filter	30006506
GM-12HQ	Recone Kit	20208536
GM-M75N	Diaphragm	20205080
M-78N	Compression Driver	20208860
Accessories		

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ANL-2	Rigging Accessories	10101020
AX-HQ-X12	Rigging Accessories	10107001
JP-HQ-112	Rigging Accessories	10107003
UFB	Rigging Accessories	10105040

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