

HFA112

Active 2-Way Full-Range Speaker



- Active high power 2-Way loudspeaker
- 12" LF speaker and 1" HF compression driver
- Rotatable, tailored dispersion technology
- High efficiency 2220Wprg Class-D power amplifier
- Networkable DSP with control software

OVERVIEW

The HFA speaker series are fully powered PA systems (the HFA206 also have a passive version), designed to deliver high output and dynamics, extreme linearity and fidelity for unrivalled performance at a very competitive price.

Entirely manufactured in Portugal, the HFA speaker series uses superb quality custom made components, loading by birch plywood enclosures, coated by a scratch resistant textured paint to assure an outstanding performance and durability.

The integration with high efficiency DPAmplifier modules, with up to 1650 Wrms, and the advanced digital processing, set a new standard for distortion, noise and thermal efficiency. A surprisingly simple handling concept lets you plug in and play straightaway: Configure the system by selecting the right Preset and let the system do the rest. Of course, as in the other series, the Presets can be edited and stored in 2 USER memories.

To extend the low frequency response, the HFA full-range speakers can perfectly match with the HFA subwoofers, available in three models, 12", 15" and 18".

TECHNICAL SPECIFICATIONS

Technical Data	
Speaker Type:	Active High Power 2-Way Speaker
Acoustical Data	
Frequency Response (-6dB):	55Hz - 19.000Hz
Low Frequency Extension (-10dB):	46Hz
Calculated Max. SPL (Cont/Peak):	127dB/133dB (Full-Space)
Coverage Angle -6dB (HxV):	50-100° x 50° User Rotatable, Tailored Dispersion Technology
Drivers	
Low Frequency:	1 x 12" (300mm)/3" (76mm) VC, high excursion B&C custom speaker
High Frequency:	1 x 1" (25mm) exit/1.7" (44mm) VC, B&C custom compression driver
Electrical Data	
Connectors:	Signal: 2 x XLR ; Power: 2 x powerCON
Amplifier Module	
Amplifier Technology:	2 channel switched mode class D with DSP
Cooling:	Convection/Temperature controlled fan
Average Efficiency:	85%
Total Output Power:	1650Wrms
LF Section Output Power:	1100Wrms
HF Section Output Power:	550Wrms
Controller:	PC controlled Networkable DSP 24bit/48kHz
Digital Crossover:	2,2kHz, 24dB/oct Linkwitz-Riley alignment
System Presets:	6 Factory and 2 User, selectable via software or rear panel switch
PC Control:	Via RS485 and supplied software "SOUNDWARE"
DSP Adjustable Parameters:	6 PEQ, delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute
AC Operating Voltage:	180V - 245V
Nominal Power Consumption:	770W
Mains Connector:	Powercon (Input and Output)
Enclosure	
Construction:	15mm multi-laminate birch ply
Finish:	Textured black/white semi-matte coating
Protective grill:	Black/white/red perforated steel
Fittings:	16 x M8 threaded inserts, 1 x 35mm pole mount socket
Handles:	1 on each side
Dimensions (WxHxD):	365 x 635 x 378 mm
Net Weight:	25 kg
Shipping Weight:	27 kg