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# HLO3

## Full Range 3 Way Loudspeaker Cabinet

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**HLO3**

## acoustic technologies

The HLO3 is a high power yet remarkably compact loudspeaker system capable of reproducing the most challenging musical material with very low distortion, excellent transient response and superb vocal definition.

The HLO3 utilises an 800 watt extended range 15" bass driver, a proprietary 6.5" midrange device optimised for horn loaded applications and a 1" high frequency compression driver. The midrange drivers is Ferro Fluid cooled. Two different horn flares, designed specifically for this enclosure provide dispersion patterns of 100°(H) x 40°(V) or 60°(H) x 40°(V) for the critical mid and high frequencies.

The HLO3 features a complex 3 way passive crossover network carefully optimised for a wide flat response, totally free from any sound pressure level, time alignment or phase anomalies. The result is a quality loudspeaker cabinet which exhibits finely detailed and transparent mid-high reproduction, complimented by articulate well defined bass performance.

The HLO3 loudspeaker system is an entirely appropriate choice for all pro-audio applications including Live Music reproduction, Dance Club installations, Sporting Events, Theme Parks and multi-media events. The HLO3 is equally at home in a diverse range of installed applications including Houses of Worship, School Auditoria, Theatres, Gymnasiums, Sports Arenas and Corporate Presentation Facilities.

The HLO3 is available with many finish and hardware options making for a truly versatile and professional full range loudspeaker cabinet.

**HLO3** EXCELLENCE IN AUDIO

### HLO3 Speaker System

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#### FEATURES

- 1000 Watt Power Handling
- Flyable and Arrayable
- 3 Way System for Accurate Full Range Reproduction
- 3 Year Warranty

# HL03

## SPECIFICATIONS

<b>Transducer Complement</b>		1x 15" Bass Transducer 1x 6.5" Mid Transducer 1x 1" HF Compression Driver
<b>Frequency Response</b>		48 Hz - 18.5 kHz $\pm$ 3 dB
<b>Sensitivity</b>		98 dB @ 1 watt, 1 metre
<b>Maximum Input</b>	<b>Continuous Program</b>	500 Watts RMS 1000 Watts Program
<b>Maximum SPL</b> (Calculated)	<b>Continuous Program</b>	125 dB @ 1 metre 128 dB @ 1 metre
<b>High Frequency Dispersion</b>	<b>100° Flare</b> <b>60° Flare</b>	100°(H) x 40°(V) 60°(H) x 40°(V)
<b>Nominal Impedance</b>		8 Ohms
<b>Physical Size</b>		Height 922mm, Depth 454 mm, Front Width 480mm, Back Width 265mm
<b>Net Weight</b>		44 Kg (Varies slightly with options)
<b>Connectors</b>		2 x Speakon Connectors
<b>Crossover Switching</b>		Optional switching to allow 2 Way Active operation
<b>Hardware and Flying Options</b>		Handgrips. Centre Pivot Point. Fixed Installation Attachment Points. Fly Track Rigging System.
<b>Cabinet Finish Options</b>		Textured Black Paint Finish. AcoustiCoate Black Elastomer Finish. A wide range of decor matched and custom finishes are available.
<b>Grille Finish Options</b>		Black Powder Coat Paint Finish. Chrome Plated. Weather Resistant Treatment. Colour matched for decor cabinets.

The HL03 enclosure is constructed of high quality 18mm Finnish Birch Ply.

A wide range of hardware, grille and cabinet finishing options are available.

The transducers are protected by a rugged expanded steel grille. Acoustically transparent PVC foam is bonded to the mesh providing a durable, visually appealing finish.

The HL03 passive crossover provides a seamless transition between the transducers. The crossover frequencies are selected to enhance the already superb performance of the individual components. Great care is taken to ensure that a phase coherent output is maintained across the entire audio bandwidth.

Sensitivity, Maximum Power and SPL measurements are conducted in accordance with the AES 24 Hour Pink Noise Standard. Acoustic Technologies reserve the right to alter or amend the HL03, without prior warning in the interests of product improvement.

## APPLICATIONS

- Large Stadium and Sports Arena Installations
- Dance Club Installations
- House of Worship Sound Systems
- School Auditoria Halls and Assembly Areas
- Live Music Applications
- Corporate Presentations
- Outdoor Events  
Motor Racing  
Air Shows  
Surf Carnivals  
Live Music  
Sporting Events.



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