

HARRIER ONE

TRACTION

12" + AMT. 2-Way Bi-Amp



The Harrier ONE is a two way loudspeaker. Low frequency is from a 12" (320mm) transducers with a 3" (76mm) voice coil and neodymium magnet. High frequency is from a proprietary Air Motion Transformer (AMT) with a 6.6x1.2" (167x31mm) diaphragm. The AMT is partially in front of the low frequency driver. This presents good cohesion between the sources without masking the low frequency driver.

The loudspeaker is Bi-Amped to ensure optimum performance. Neutrik® NL4 SpeakON™ sockets are provided allowing for input and linking other loudspeakers. This enables up to four speakers to be connected to a pair of amplifier channel. This helps reduce installation cost and complexity.

Construction is from 15mm Birch Ply that is sourced from sustainable and managed woodland. The cabinet is finished in textured polyurea. The drivers are protected by a heavy duty 14 Gauge (2mm) steel grill. The cabinet aesthetics takes its cue from contemporary architecture and computational design. The form factor has been optimized to minimize reflection from the rear of the cabinet. The damping material used in the cabinet is from made from recycled single use plastics.

The bottom of the cabinet features a 35mm top hat to allow the speaker to be pole mounted without any additional hardware. The cabinet features an angled back so it can be used as a stage monitor and has four rubber feet for this application. On the sides of the cabinet there are ergonomically handles for portability.

A complete range of mounting hardware is available to compliment the Harrier ONE. This includes wall and ceiling brackets as well as options for more demanding situations.

The Harrier ONE has been designed to use Traction Engine amplifiers and Traction Control DSP.

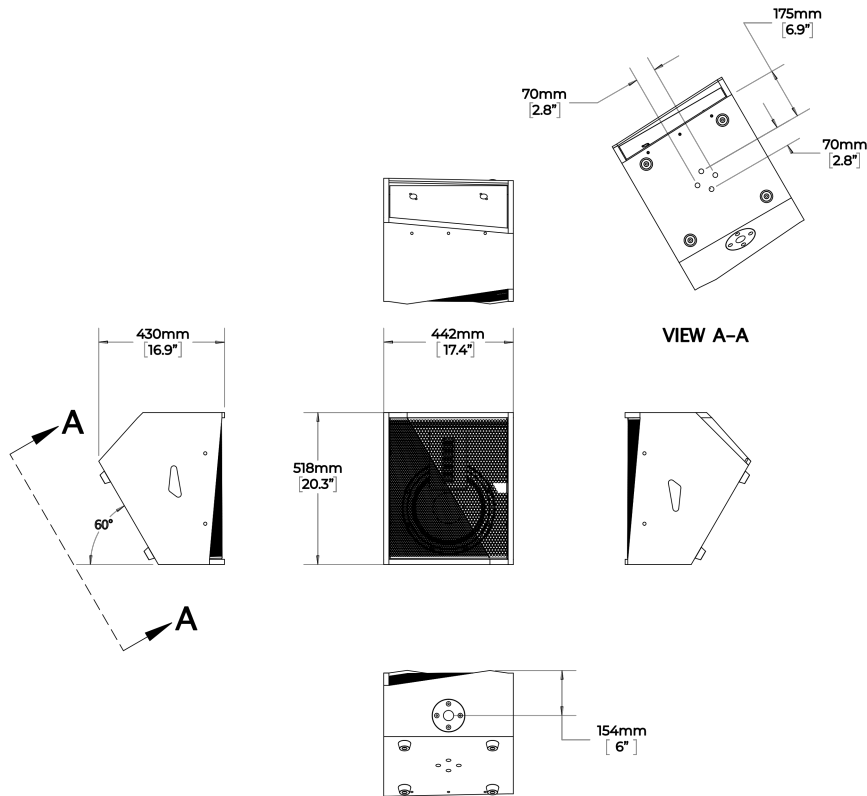
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Type	Bi-Amped two-way system
Frequency Response (1)	57Hz - 20kHz +/-3dB
HF Driver	AMT with 6.6" x 1.2" (167mm x 31mm) diaphragm, neodymium magnet
LF Driver	12" (320mm) / 3" (76mm) voice coil, neodymium magnet
Rated Power HF (2)	60W AES, 240W Peak
Rated Power LF (2)	500W AES, 2000W Peak
Recommended Amplifier	Traction Engine 4 2000DSP
Sensitivity HF (3)	104dB
Sensitivity LF (3)	98dB
Maximum SPL HF (4)	122dB Cont. 128dB Peak
Maximum SPL LF (4)	125dB Cont. 131dB Peak
Nominal Impedance	8 ohms
Crossover	4kHz Passive
Connectors	2x Neutrik® NL4 SpeakON™
Dispersion (-6dB)	94° horizontal, 14° vertical
Enclosure	3/4" (15mm) Birch Ply
Finish	Black or White Textured Polyurea
Protective Grill	14 Gauge (2mm) steel grill
Fittings	4x M8 inserts for wall/ceiling brackets, 4x Rubber Feet, 35mm Top Hat
Dimensions (WxHxD)	442mm x 518mm x 430mm, 17.4" x 20.3" x 16.9"
Weight	17.6kg, 39 lbs
Accessories	Wall Bracket, Ceiling Bracket, Pole Mount Bracket

Notes

(1) Measured on axis in half (2pi) space at two meters and referred to 1 meter.

(2) Tested to AES 2-1984 Rev. 2003.

(3) Measured in half (2pi) space at 2 meters with 2.83V input, using band limited pink noise, then referred to 1 meter.

(4) Calculated at 1 meter.