

HAWK 28

TRACTION

MID/HIGH 2 x 8" + 4 x 1" SOFT DOME SOURCE



The Hawk 28 is a two way passive loudspeaker. Low frequency is from two 8" (200mm) transducers with a 1.8" (45mm) voice coil. High frequency is from Traction Sound's proprietary Soft Dome Source featuring 4 soft dome tweeters with a 1" (25mm) voice coil. These are coupled on an asymmetric horn that gives horizontal dispersion of 100° -65° and a vertical dispersion of 40°. This design gives even coverage over the listening area.

The Hawk 28 features a proprietary horn milled from solid wood. The wood naturally damps the resonances created by plastic or aluminum. The production process enables the control of the exact dispersion without expensive tooling.

The Soft Dome Source and the LF transducer are connected via an internal passive crossover. Neutrik® NL4 SpeakON™ sockets are provided allowing for input and linking other loudspeakers. This enables up to eight speakers to be connected to a single amplifier channel. This helps reduce installation cost and complexity.

Construction is from 12mm 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.

A complete range of mounting hardware is available to compliment the Hawk 28. This includes wall and ceiling brackets as well as options for more demanding situations.

The Hawk 28 has been designed to use Traction Engine amplifiers and Traction Control DSP.

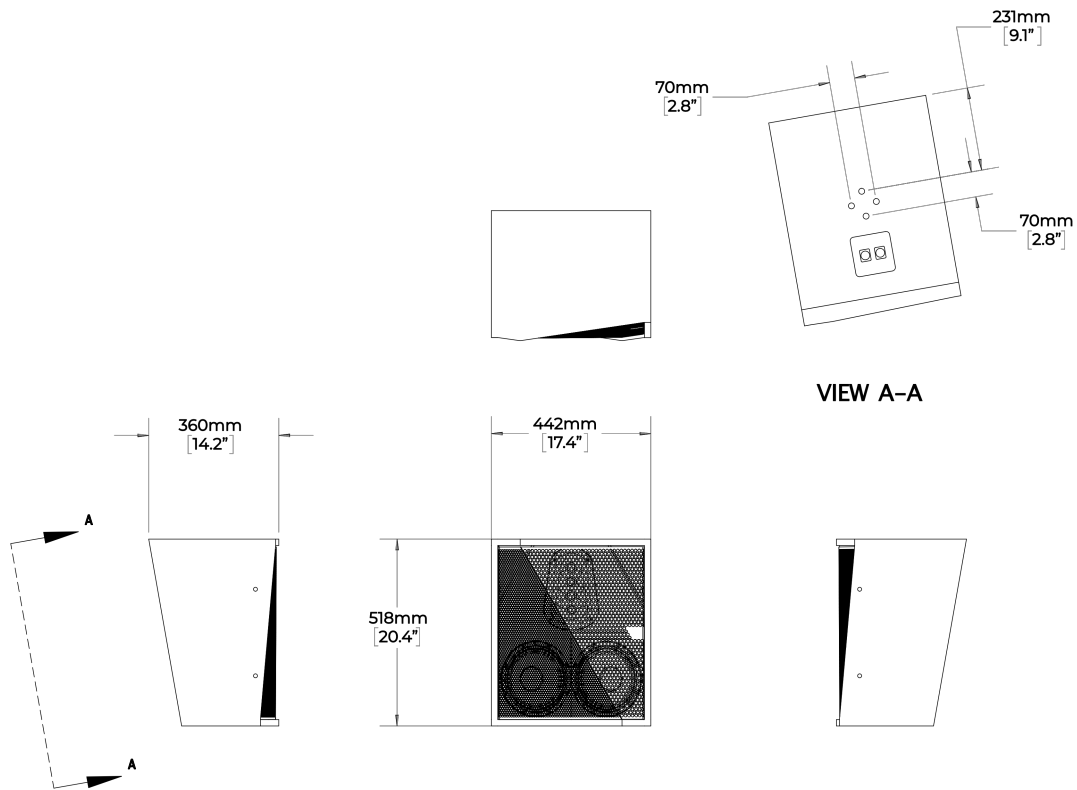
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Type	Passive two-way system
Frequency Response (1)	77Hz - 20kHz +/-3dB
HF Driver	4x 1" (25mm) voice coil, fabric dome with neodymium magnet
LF Driver	2x 8" (200mm) / 1.8" (45mm) voice coil, Ferrite magnet
Rated Power (2)	250W AES, 1000W Peak
Recommended Amplifier	Traction Engine 4 1000DSP
Sensitivity (3)	94dB
Maximum SPL (4)	121dB Cont. 127dB Peak
Nominal Impedance	16 ohms
Crossover	4kHz Passive
Connectors	2x Neutrik® NL4 SpeakON™
Dispersion (-6dB)	100° - 65° horizontal, 60° vertical
Enclosure	5/8" (15mm) Birch Ply
Finish	Black or White Textured Polyurea
Protective Grill	14 Gauge (2mm) steel grill
Fittings	4x M8 inserts for wall/ceiling brackets
Dimensions (WxHxD)	442mm x 518mm x 360mm, 17.4" x 20.4" x 14.2"
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.