

Raptor 612 AMT

TRACTION

3-Way Tri-Amp (12"+6"+AMT)



Raptor 612 AMT is a three way passive loudspeaker. Low frequency is from a 12" (320mm) transducers with a 3" (76mm) voice coil and neodymium magnet. Mid Frequency is from a 6" (165mm) transducer with a 1 3/4" (44mm) voicecoil and neodymium magnet. High frequency is from a proprietary Air Motion Transformer (AMT) with a 6.6x1.2" (167 x 31mm) diaphragm. The AMT is mounted on horn that gives horizontal dispersion of 40° and a vertical dispersion of 20°.

The loudspeaker is Tri-Amped to ensure optimum performance. Neutrik® NL8 SpeakON™ sockets are provided allowing for input and linking other loudspeakers. This enables up to four speakers to be connected to a single 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 has ergonomically handles on the side of the cabinet and in the rear top corner.

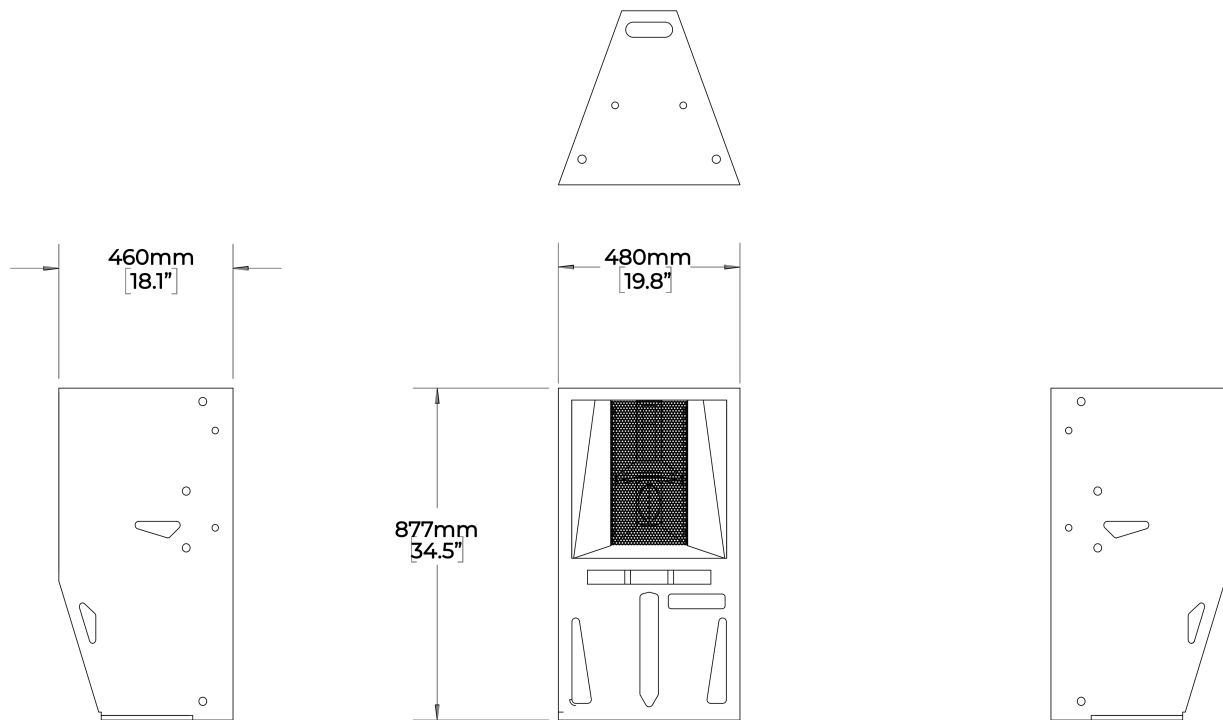
A complete range of mounting hardware is available to compliment the Raptor 612. This includes plinths for ground stack systems.

The Raptor 612 AMT has been designed to use Traction Engine amplifiers and Traction Control DSP.

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Type	Tri-Amped two-way system
Frequency Response (1)	100Hz - 20kHz +/-3dB
HF Driver	AMT with 6.6" x 1.2" (167mm x 31mm) diaphragm, neodymium magnet
MF Driver	6.5" (165mm) / 1.75" (44mm) voice coil, neodymium magnet
LF Driver	12" (320mm) / 3" (76mm) voice coil, neodymium magnet
Rated Power HF (2)	60W AES, 240W Peak
Rated Power MF (2)	200w AES, 500W Peak
Rated Power LF (2)	500W AES, 2000W Peak
Recommended Amplifier	Traction Engine 4 2000DSP
Sensitivity HF (3)	106dB
Sensitivity MF (3)	107dB
Sensitivity LF (3)	106dB
Maximum SPL HF (4)	130dB Cont. 133dB Peak
Maximum SPL MF (4)	130dB Cont. 134dB Peak
Maximum SPL LF (4)	132dB Cont. 137dB Peak
Nominal Impedance	8 ohms
Crossover	none
Connectors	2x Neutrik® NL8 SpeakON™
Dispersion (-6dB)	40° horizontal, 20° vertical
Enclosure	3/4" (15mm) Birch Ply
Finish	Black or White Textured Polyurea
Protective Grill	14 Gauge (2mm) steel grill
Fittings	5x M10 Flying Points
Dimensions (WxHxD)	480mm x 877mm x 460mm, 19.8" x 34.5" x 18.1"
Weight	32kg, 71 lbs

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.

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