

QUADHORN

Q418

SPEC SHEET

FLARE AUDIO

Technical Information

- Patent pending technology
 - Half the size of conventional enclosures
 - 115 dB sensitivity 1w/1m @ 100 Hz
 - 155 dB max SPL
 - 18 Hz - 850 Hz with minimal resonance
 - Flare Audio neodymium drivers
 - Water & scuff resistant paint finish, stainless steel screws
 - Pressed, no screw, birch ply construction for increased strength
- Bass applications cross-over
18 Hz - 125 Hz or higher
- Low mid applications cross-over
90 Hz - 450 Hz or higher

[Please see Quadhorn frequency spec sheet for additional info]

Technical Specification

Components

4 x 18" Flare Audio neodymium drivers

Power Handling:

5000w RMS @ 2 Ohm

Frequency Response:

18 Hz - 850 Hz

Sensitivity:

115 dB sensitivity 1w/1m @ 100 Hz
155 dB max SPL

[Q418 x4]

119 dB sensitivity 1w/1m @ 100 Hz
165 dB max SPL

Impedance:

2 Ohm

Connections:

4x High power Neutrik speakon NL4
(linked)

Nett Weight: 117kg / 257.9lb



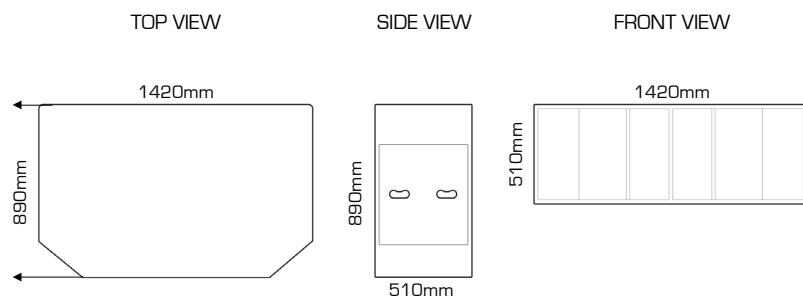
Quadhorn® couples the sonic energy of multiple loudspeaker drivers through individual sound channels contained within a compact enclosure. This creates one coherent sonic force at the acoustically open front. This coherent surface area increases in size as additional Quadhorn® are added, increasing lower frequency sensitivity even further.

The result of this coherent force produces lower frequencies external to the enclosure that are truly accurate and contain minimal sonic resonance or transient decay. This external coherent coupling enables Quadhorn® to have an incredible frequency response of 18 Hz - 850 Hz producing infrasound, sub bass, bass and low mid frequencies. Material of any genre can be played on the system without the alteration or enhancement of sub bass frequencies. This produces a truly accurate representation of source material without the transient decay associated with prior designs.

As a bass loudspeaker the cross-over remains at 18 Hz and goes up to any upper bass frequency required. Quadhorn's® capability of mid frequencies enables any x-over points between 80 Hz - 850 Hz.

System designers now have the flexibility to form one coherent stack of low frequency loudspeakers, for any size of event.

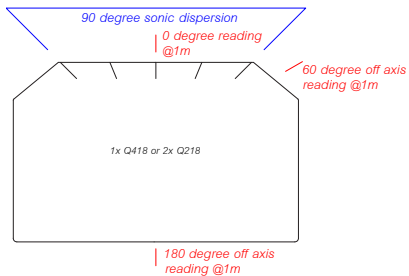
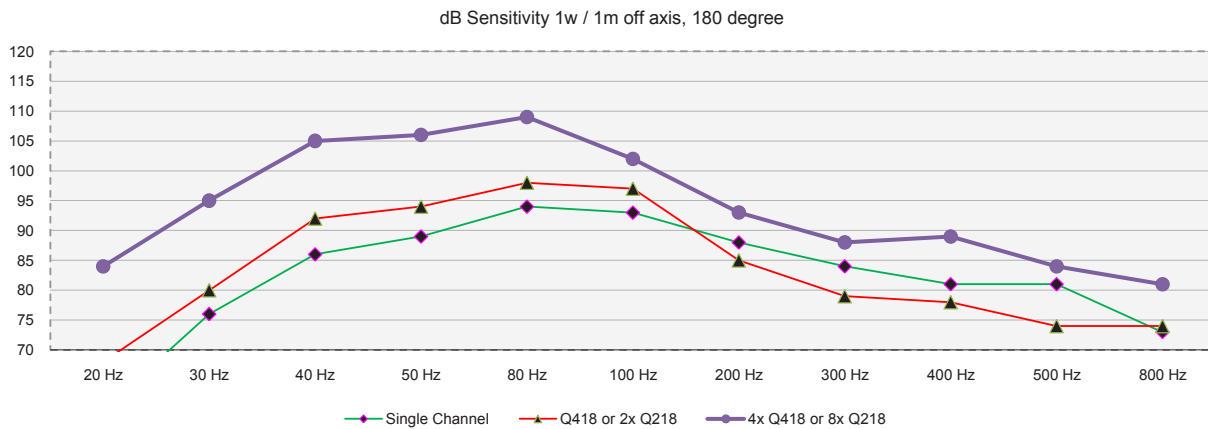
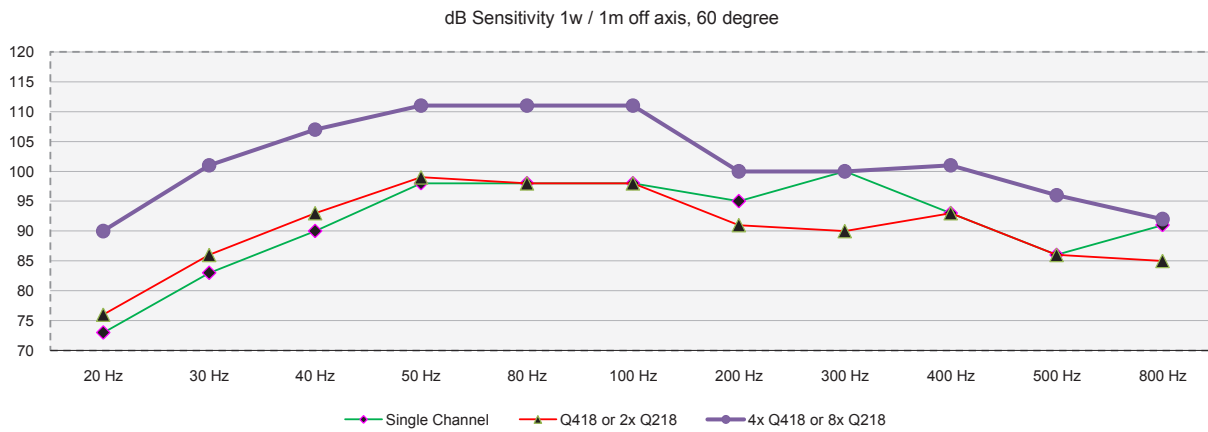
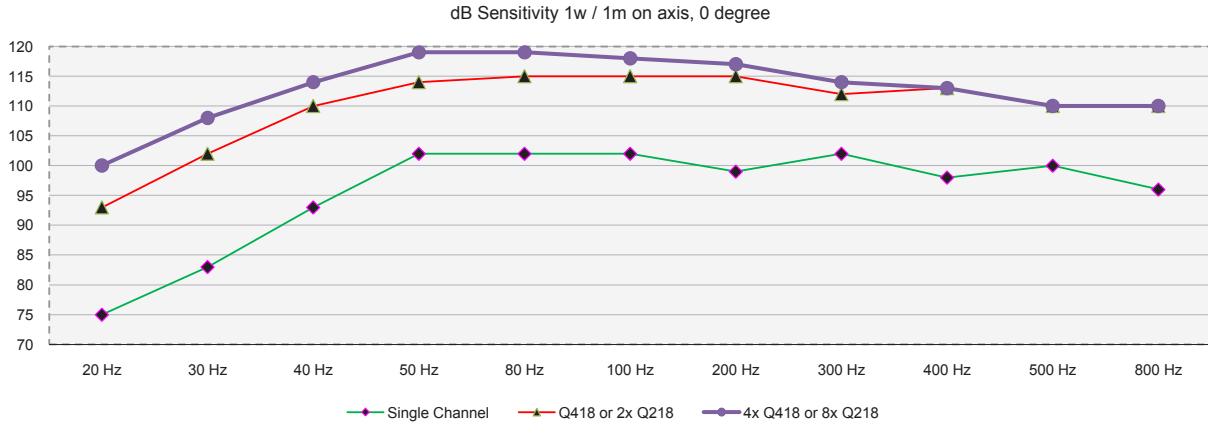
Measurements



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Quadhorn® frequency response readings were recorded on open ground using sine wave oscillation @1w/1m [8 Ohms, 2.83v].

Single channel readings were recorded on axis with one loudspeaker driver channel operating on a Q218.

Q418 x4 readings were taken in a vertical stack 1w/1m [8 Ohm total load using one amplifier channel].