

## Portable Speakers

# NuQ62

2 Way 6.5" Full Range Loudspeaker for Portable PA and Installation Applications

- 2 way full range loudspeaker for portable PA and installation applications
- 150 Watts continuous, 600 Watts peak power
- Ideal for front fill and monitor applications
- 6.5" low frequency driver with low mass voice coil for improved transient response
- Aluminium dome 1" neodymium motor compression driver
- Rotatable converging elliptical waveguide provides 100° H x 60° V dispersion
- 12 mm (½") birch plywood enclosure with hard wearing semi matt black paint finish
- Rugged powder coated perforated steel mesh grille
- Multiple internal rigging points allow bracket mount and suspension in any orientation
- Neutrik speakON\* NL4 connectors for reliable long life operation
- 3-Year Warranty Program\*
- Designed and engineered in England



The 2-way full range NuQ62 is a compact passive 600 Watt 6.5" loudspeaker system ideally suited for a wide range of speech and music sound reinforcement applications. Engineered to work in conjunction with **TURBOSOUND** loudspeaker management systems, the NuQ62 provides optimal performance for front fill, down fill, balcony delay and monitor applications.



The NuQ62 loudspeaker features a 6.5" low frequency driver with a low mass voice coil for improved transient response, and an aluminium dome 1" neodymium motor high frequency compression driver mounted on a rotatable 100° horizontal by 60° vertical dispersion converging elliptical waveguide. All drivers are matched with an internal passive crossover network in a reflex-loaded enclosure. The rear panel connector plate carries Neutrik speakON\* NL4 connectors for input and link connections to additional enclosures.

Finished in a highly durable semi matt black paint, the cabinet is constructed from 12 mm (½") birch plywood – and includes a rugged powder coated perforated steel mesh grille backed with reticulated foam. Multiple threaded rigging points are provided for suspension in any orientation, or for mounting with industry standard wall brackets. Optional flying yoke and swivel brackets allow for further flexibility in install applications (each available separately).

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### You Are Covered

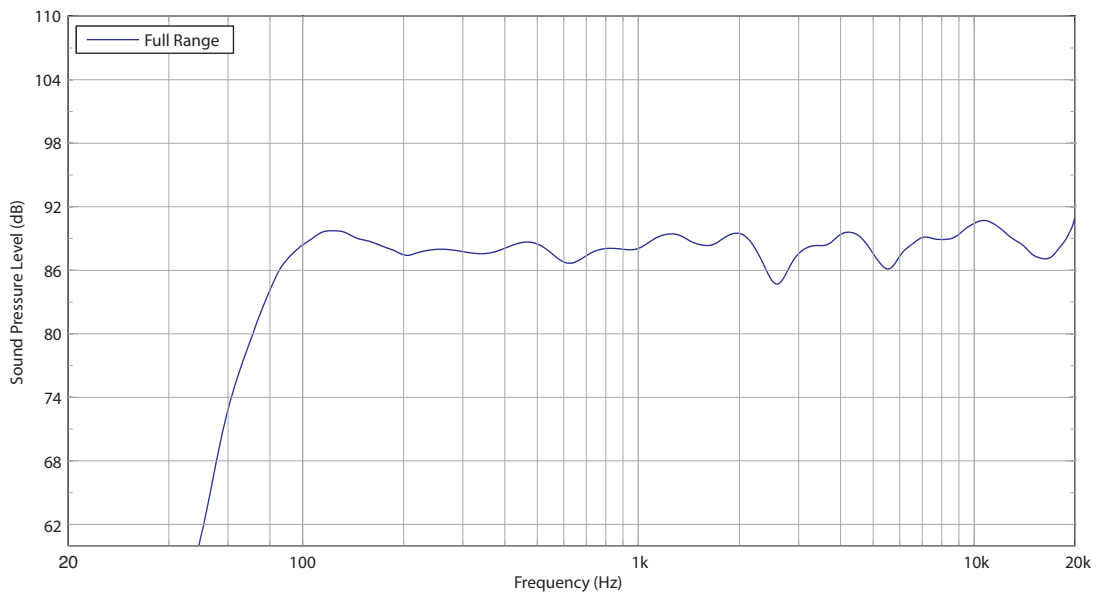
We always strive to provide the best possible Customer Experience. Our products are made in our own [MUSIC Group](#) factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous [3-Year Warranty program](#).

## Portable Speakers

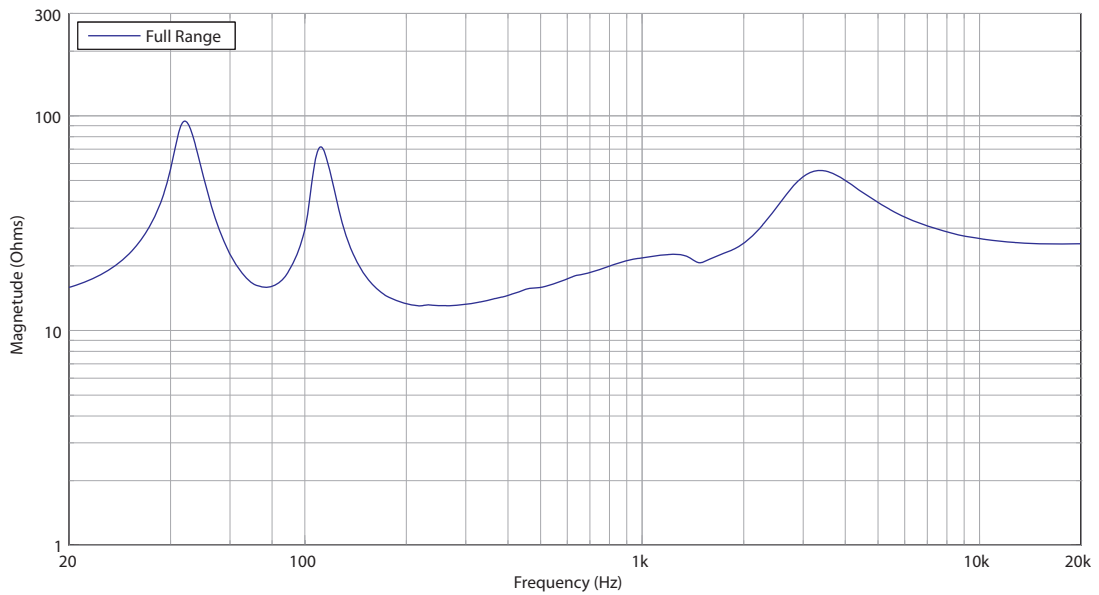
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### Frequency Response Sensitivity 1 W / 1 m



### Impedance

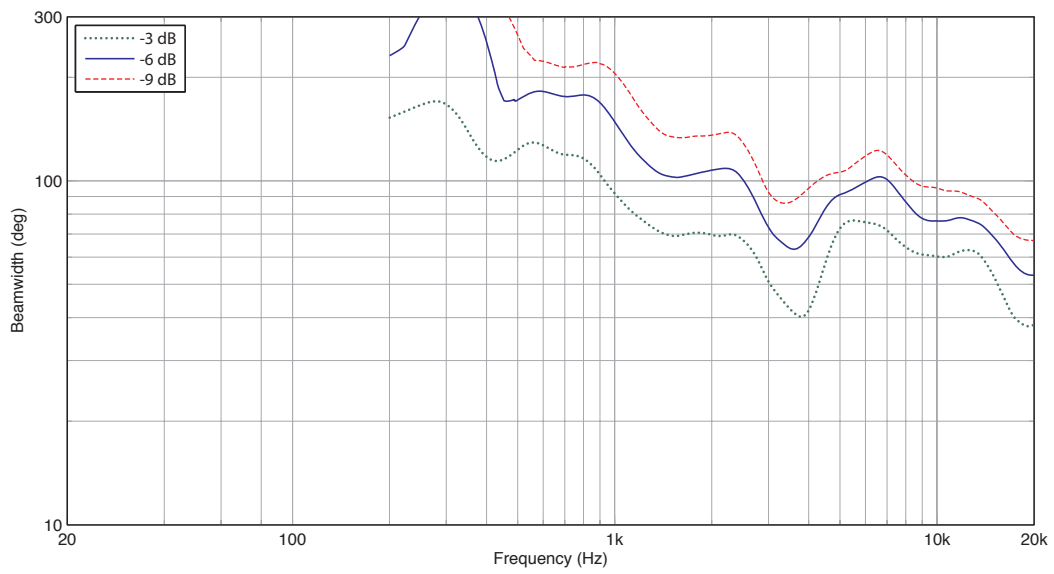


## Portable Speakers

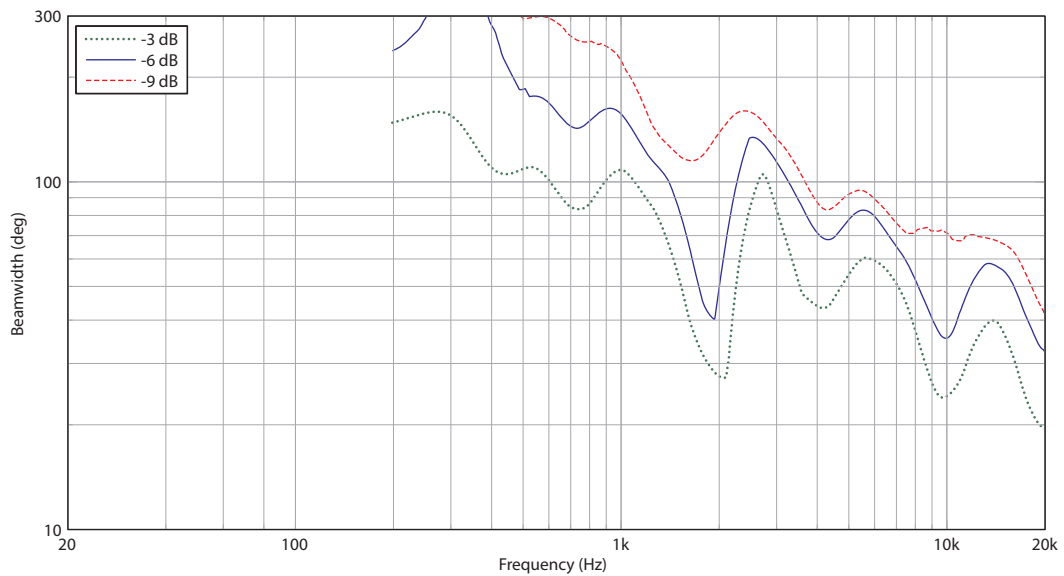
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### Horizontal Beamwidth



### Vertical Beamwidth

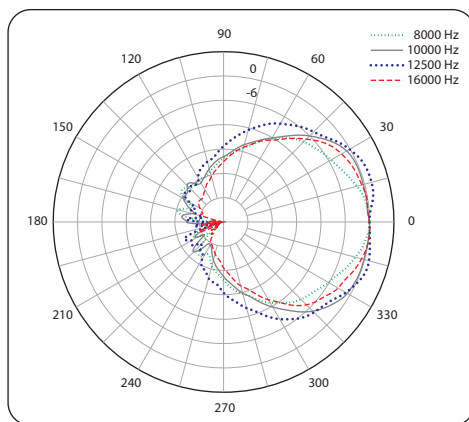
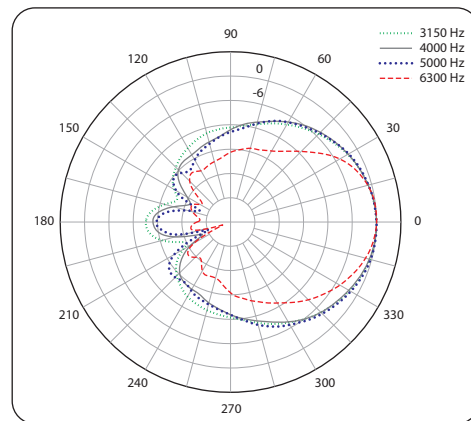
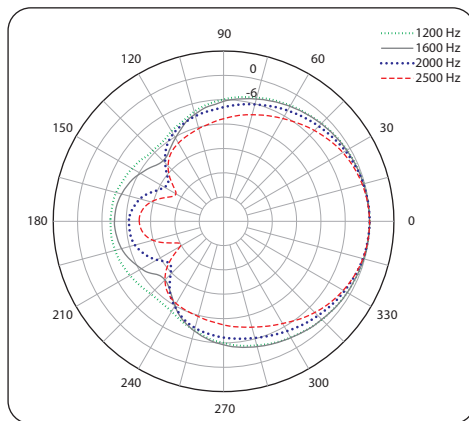
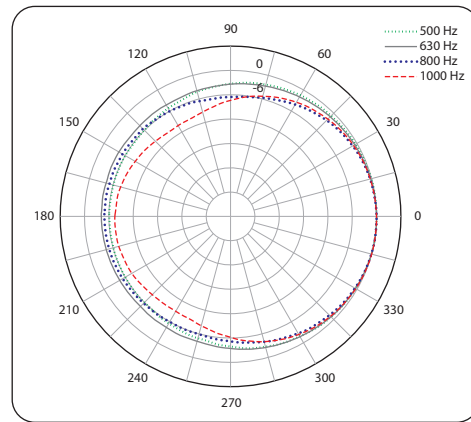
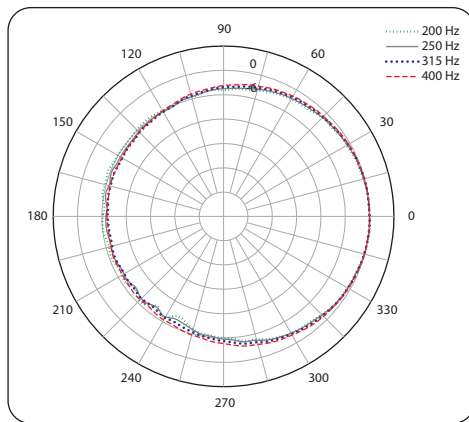


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## Horizontal Polar Plots

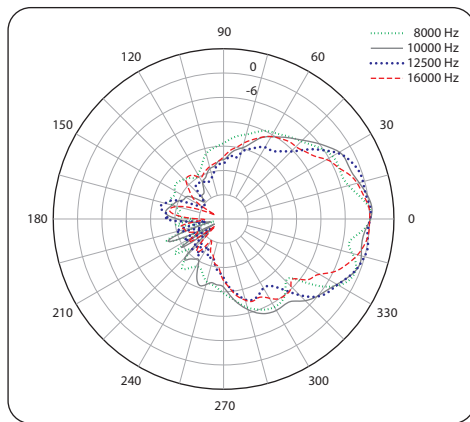
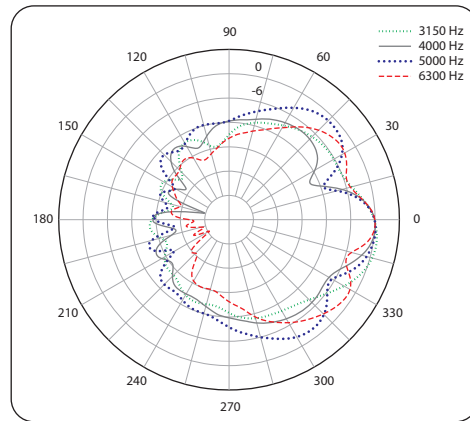
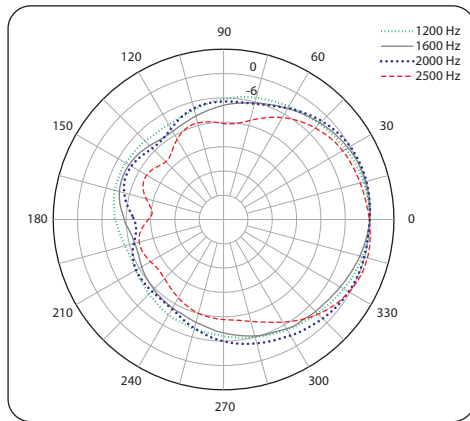
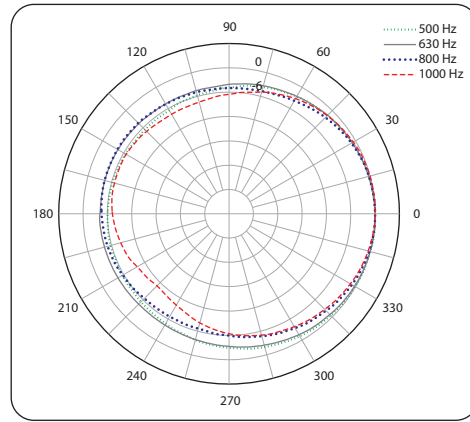
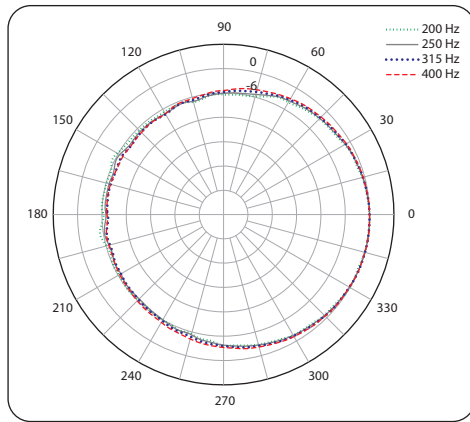


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### Vertical Polar Plots

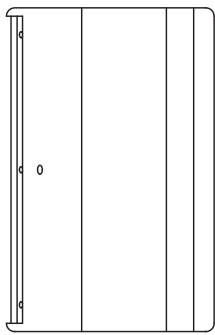


Portable Speakers

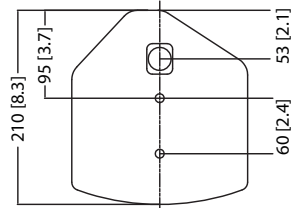
# NuQ62

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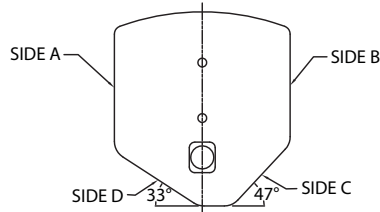
## Dimensions



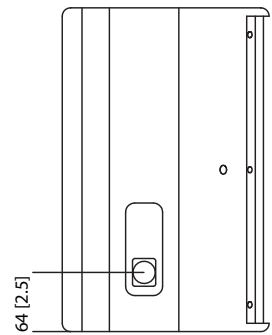
SIDE D



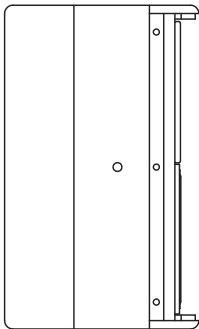
TOP



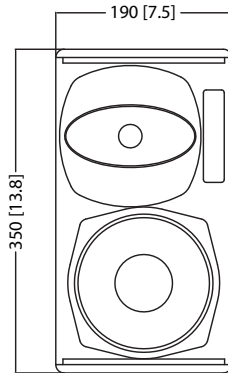
BOTTOM



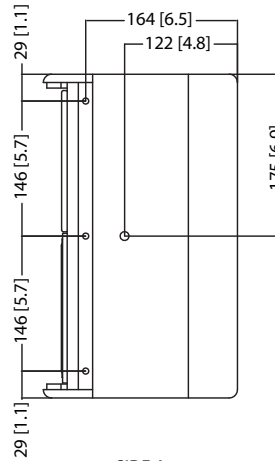
SIDE C



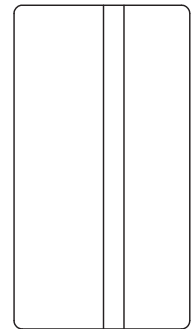
SIDE B



FRONT



SIDE A



BACK

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# NuQ62

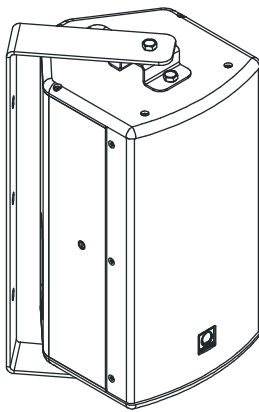
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## Mounting and Rigging

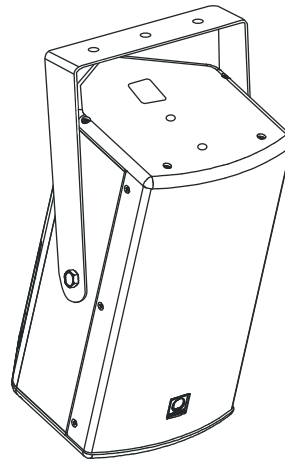
The cabinet is fitted with M8 x 6 internally-threaded rigging points that allow it to be rigged with optional shoulder eyebolts and mounted in many different configurations in permanent installations.

The cabinet is compatible with **TURBOSOUND** brackets and industry standard brackets.

The optional **NuQ62-SB** swivel bracket allows the cabinet to be surface mounted and angled for optimum positioning and coverage. The **NuQ62-FY** fly yoke adds further installation flexibility for scaffold, surface, and pole mounting.



NuQ62-SB swivel bracket  
for surface mounting



NuQ62-FY fly yoke



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## Technical Specifications

### System

<b>Frequency Response</b>	80 Hz – 18 kHz $\pm$ 3 dB 65 Hz - 20 kHz -10 dB
<b>Nominal Dispersion</b>	100° H x 60° V @ -6 dB points, rotatable
<b>Directivity Factor (Q)</b>	8
<b>Directivity Index (DI)</b>	9
<b>Power Handling (IEC)</b>	
Passive	150 W continuous, 600 W peak
Bi-amp	N/A
<b>Sensitivity</b>	88 dB (1 W @ 1 m)
<b>Maximum SPL</b>	
Passive	110 dB continuous, 116 dB peak
Bi-Amp	N/A
<b>Impedance</b>	
Passive	16 Ohms
Bi-Amp	N/A
<b>Crossover Type</b>	Passive
<b>Components</b>	1 x 6" (162 mm) LF Driver 1 x 1" (25 mm) HF Compression Driver

### Enclosure

<b>Connectors</b>	3 x Neutrik speakON* NL4
<b>Wiring</b>	
Passive	Pins 1+ / 1- input, pins 2+ / 2- link
Bi-Amp	N/A
<b>Dimensions (H x W x D)</b>	350 x 190 x 210 mm (13.8 x 7.5 x 8.3")
<b>Net Weight</b>	6.3 kg (13.6 lbs)
<b>Construction</b>	12 mm (½") birch plywood
<b>Finish</b>	Semi matt black paint
<b>Grille</b>	Powder-coated perforated steel
<b>Flying Hardware</b>	M8 x 6 points

### Accessories

NuQ62-SB  
NuQ62-FY

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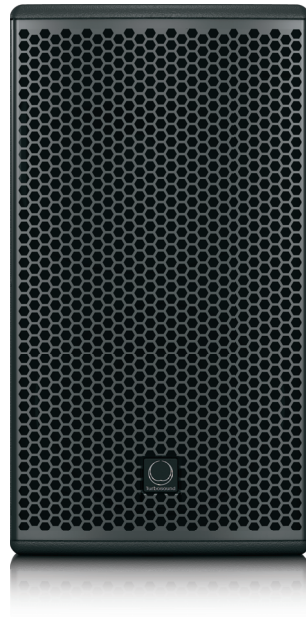
## Architecture & Engineering Specifications

The speaker shall be of the full range, two-way passive type consisting of one 6.5" (162 mm) LF driver and one 1" (25 mm) HF compression driver. Performance specifications of a typical production unit shall meet or exceed the following: frequency response, measured with swept sine wave input, shall be flat within  $\pm 3$  dB from 80 Hz to 18 kHz and within -10 dB from 65 Hz to 20 kHz. Nominal dispersion, at -6 dB points, shall average 100° H x 60° V, rotatable. Nominal impedance shall be 16 Ohms. Power handling shall be HF: 150 Watts continuous, 600 Watts peak. Sensitivity, measured on axis, mean averaged over stated bandwidth, shall be 88 dB, 1 Watt @ 1 metre. Maximum SPL (peak), measured at 1 metre with music program at stated amplifier input, shall be 116 dB. Dimensions: 350 mm high x 190 mm wide x 210 mm deep (13.8" x 7.5" x 8.3"). Net weight: 6.3 kg (13.6 lbs). The loudspeaker system shall be the **TURBOSOUND** NuQ62. No other loudspeaker shall be acceptable unless submitted data from an independent test laboratory verifies that the above combined performance / size specifications are equaled or exceeded.

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For service, support or more information contact the TURBOSOUND location nearest you:

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