AUDAC

Highlights:

- 1" Dome tweeter
- 5 1/4" Low frequency loudspeaker
- Vertical and horizontal mounting
- Terminal block connection (MK2 version)
- Multi-tapping 70V / 100V line transformer

Product information:

The WX502 is a powerful 2-way performance speaker suitable for a wide variety of applications, ensuring true-to-nature, high fidelity reproduction of music and speech. It is fitted with a 1" dome tweeter and a 5 1/4"low-frequency loudspeaker, capable of delivering a power of 50 Watt. It can be used in standard 8 Ohm systems but also in 70/100V PA systems with power taps for 40 Watt, 20 Watt and 10 Watt. The elegant shaped synthetic enclosure is available in two different colours (black & white), making it blend into any environment, going from standard indoor home to special indoor design interiors. The included steel mounting bracket allows horizontal and vertical mounting as well as focusing of the speaker and an integrated advanced protection network protects the tweeter against overload.

This new series retains all its strengths but has also been upgraded in a few specific areas with installer convenience and durability in mind. The connection of the indoor loudspeakers is changed to a terminal block, which makes it easier to install and connect the WX MK2 series wall speaker, while daisy-chaining is made more convenient through additional connection terminals (4-pin).. Both indoor and outdoor versions are now equipped with an elegant rotatable AUDAC logo.

Applications:

- Bars & Restaurants
- Sporting facilities
- Residential
- Clubs
- Retail
- Corporate

Impedance:

Ω   8 Ohm

Voltage:

⚡   70-100 Volt

System specifications:

Crossover	Frequency	2.5 kHz
	Type	Passive built-in
Drivers	HF	1"
	LF	5"
Frequency	Range (-10 dB)	55 Hz - 20 kHz
	Response (± 3 dB)	70 Hz - 18 kHz
Impedance		8 Ω
Ingress Protection rating		IP40
Peak power handling		200 W
Program power handling		100 W
Sensitivity (1W/1m)		87 dB
Sound Pressure (Max. W/1m)	@ 100 V	102 dB
	@ 8 Ω	104 dB
Speaker type		2-way
RMS/AES power handling		50 W
Dispersion	Horizontal	110°
	Vertical	110°
Line Transformer Tappings	1	125 Ω - 100 V / Not used - 70 V / 40 W
	2	250 Ω - 100 V / 40 W - 70 V / 20 W
	3	500 Ω - 100 V / 20 W - 70 V / 10 W
	4	1000 Ω - 100 V / 10 W - 70 V / 5 W

Product Features:

Dimensions		219 x 146 x 184.4 mm (W x H x D) (Incl. bracket)
Weight		2.75 kg
Operating temperature		-25 °C ~ 70 °C
Construction		ABS
Mounting & handling		Mounting bracket
Front finish		Steel grill
Colours		Black (RAL9005) (WX502MK2/B)
		White (RAL9003) (WX502MK2/W)
Accessories	Included	Mounting bracket

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Variants:

- WX502MK2/B - Black version
- WX502MK2/W - White version
- WX502/W - White version

Shipping & Ordering:

Packaging	Cardboard box
Shipping weight & volume	5.800 kg - 0.0185 Cbm (2 pcs)

Architects' and Engineers' Specifications:

The loudspeaker shall be a surface-mount 2-way type, consisting of a 5" woofer and 1" tweeter which are built in an ABS enclosure with finely perforated front grill and fitted with a line transformer allowing it to be used on both low impedance (8 Ohm) and 100 Volt distributed lines. It shall be vertically and horizontally mountable using the supplied mounting bracket.
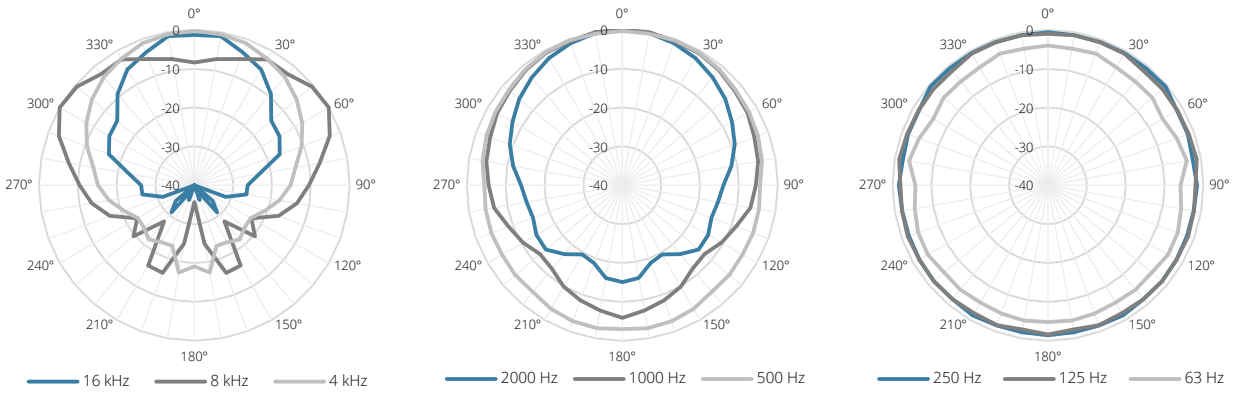
It shall have an RMS power handling of 50 Watt with a maximum power handling of 100 Watt and the frequency response (±3 dB) shall range from 70 Hz to18 kHz. The sensitivity shall be 87 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall be 104 dB.

The loudspeaker shall have an impedance of 8 Ohm, a 70/100V line transformer and a passive built-in crossover network with crossover frequency of 2.5 kHz. The transformer shall have multiple tappings for 40 Watt, 20 Watt and 10 Watt which are selectable, including the 8 Ohm bypass, using a rotary switch on the rear of the enclosure.
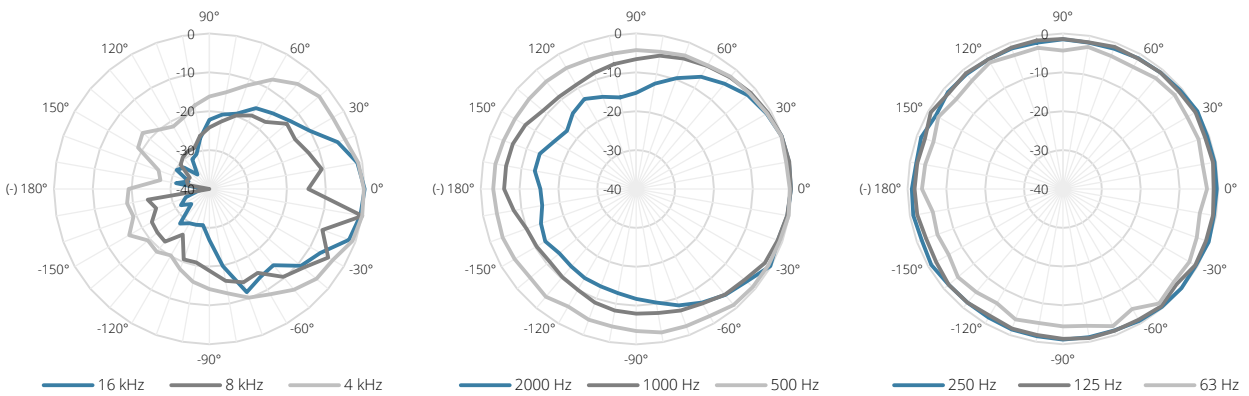
The loudspeaker enclosure shall be 147 mm high, 212 mm wide and 136 mm deep and the weight shall not exceed 2.54 Kg.
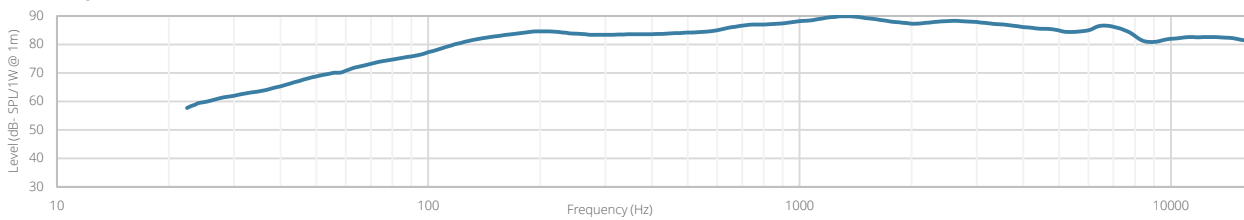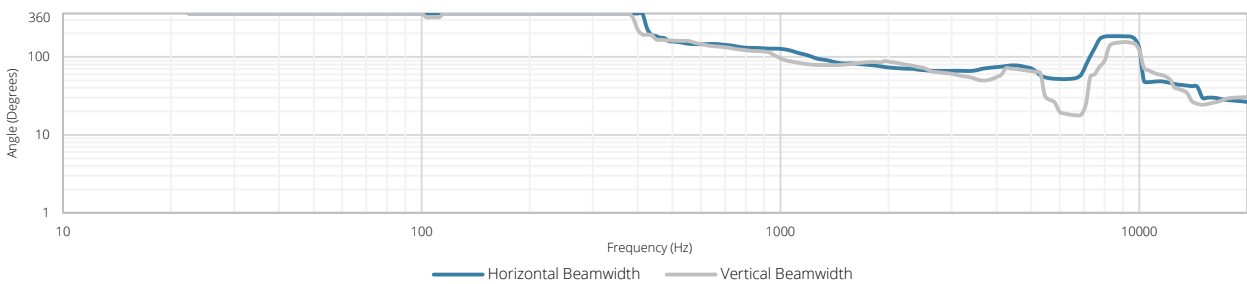
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Acoustical data graphs:

Horizontal Polars:

── 16 kHz	── 8 kHz	── 4 kHz
── 2000 Hz	── 1000 Hz	── 500 Hz
── 250 Hz	── 125 Hz	── 63 Hz

Vertical Polars:

── 16 kHz	── 8 kHz	── 4 kHz
── 2000 Hz	── 1000 Hz	── 500 Hz
── 250 Hz	── 125 Hz	── 63 Hz

Sensitivity:

Beamwidth (-3dB):

── Horizontal Beamwidth ── Vertical Beamwidth

Directivity index:

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146

160,4

219
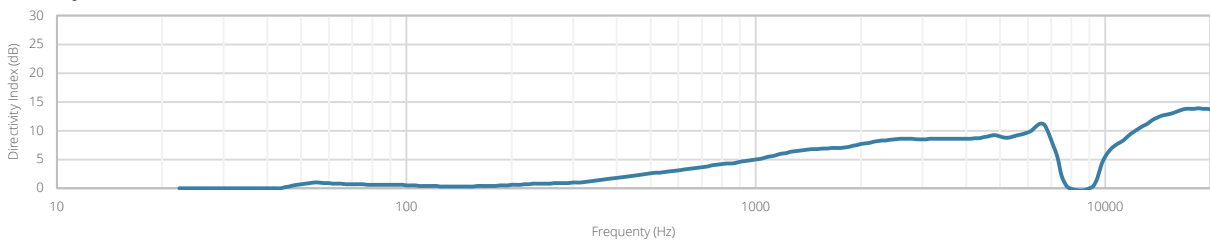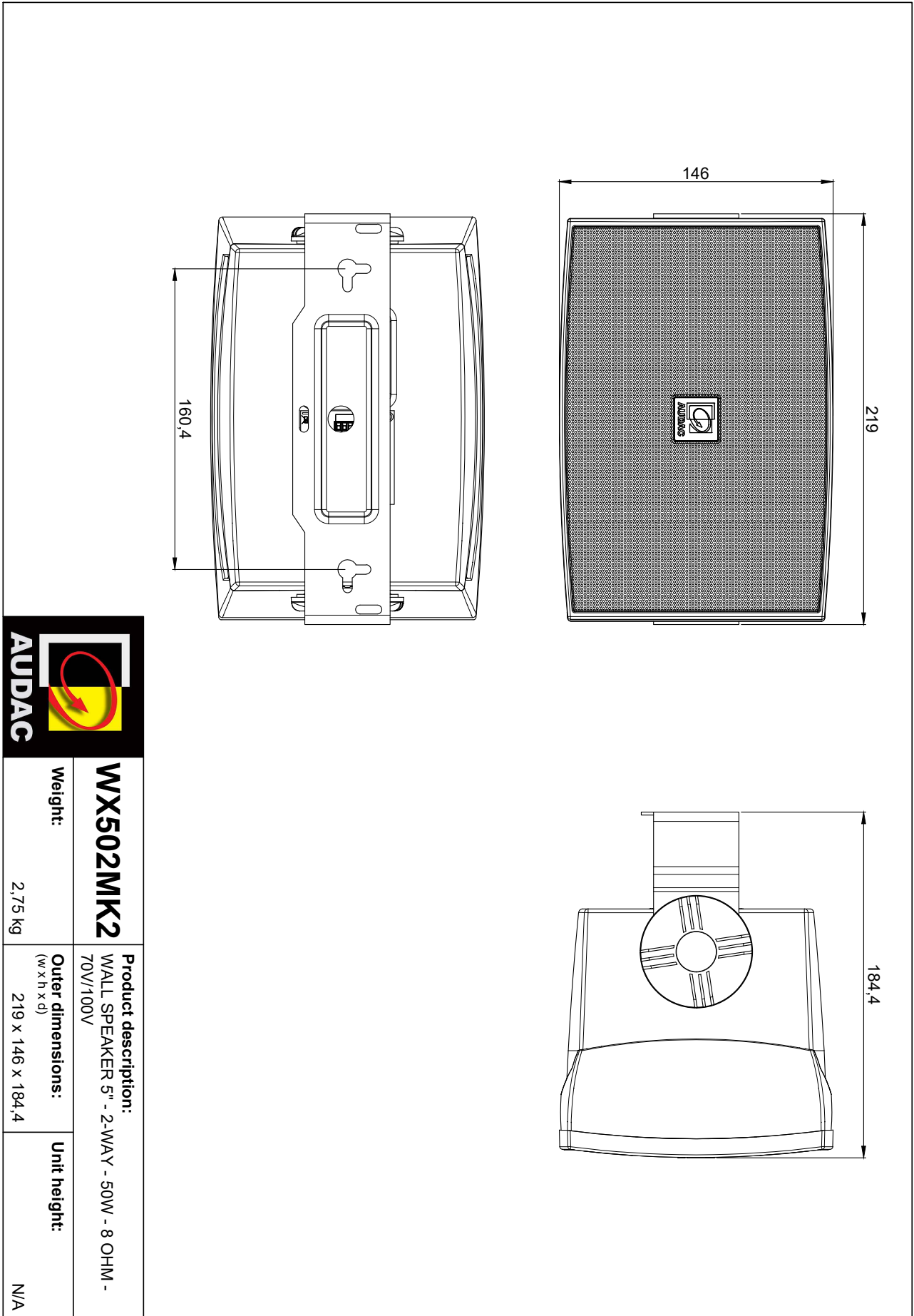
184,4

WX502MK2

Product description:
WALL SPEAKER 5" - 2-WAY - 50W - 8 OHM - 70V/100V

Weight:
2,75 kg

Outer dimensions:
(w x h x d)
219 x 146 x 184,4

Unit height:
N/A

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