

Product information:

The HS121 is a full range sound projector based on a 4" driver especially designed to provide quality sound with a long throw range in a wide variation of in- and outdoor applications. Its wide, smooth frequency response and high efficiency ensure high-fidelity music reproduction along with superb projection of clear and intelligible speech at very low distortion. It delivers a power of 20 Watt RMS in standard 8 Ohm systems with a maximum power of 40 Watt but it can also be used in 100V PA systems. The 100V line transformer has power taps for 20 Watt, 10 Watt and 5 Watt which can be selected by the special designed 5-pin waterproof connector. This connector allows selecting the desired power tapping depending on the angle of rotation of the connector. The housing is made of the strongest ABS material in a light-grey colour, ensuring a smooth blend of the loudspeaker in all different kinds of environments. The IP rating of IP65 makes it suitable for indoor as well as outdoor use. For safety reasons, the speaker is provided with an internal steel safety cable, which prevents the speaker from falling, even in situations where the housing of the speaker has been damaged or broken.

Applications:

- Sporting facilities
- Museums & Themeparks
- Events
- Retail
- Corporate



Certification:

 IP65

Properties:

 Weatherproof

Impedance:

Ω 8 Ohm

Voltage:

 100 Volt

System specifications:

Inputs	Connector	-pin Euro Terminal block (Balanced)
Program power handling		40 W
RMS/AES power handling		20 W
Line Transformer Tappings	1	20 W / 500 Ω
	2	10 W / 1000 Ω
	3	5 W / 2000 Ω
Impedance		8 Ω
Sensitivity (1W/1m)		96 dB
Sound Pressure (Max. W/1m)		109 dB
Frequency	Response (\pm 3 dB)	180 Hz - 13 kHz
	Range (-10 dB)	150 Hz - 15 kHz
Dispersion	Horizontal	60°
	Vertical	80°
Connectors		Waterproof AWX-5 connector
Drivers		4" Full Range
Peak power handling		80 W

Product Features:

Dimensions		220 x 160 x 250 mm (W x H x D)
Weight		2 kg
Operating temperature		-10 °C ~ 50 °C
Construction		Fire retardant ABS
Front finish		Aluminium grill
Mounting & handling		Aluminium U bracket
Colours		Grey (RAL 7035)
Accessories	Included	Mounting bracket
		5-pin AWX5 connection cable
	Optional	AWC07 - AWX5 cable 0.7 m
		AWC25 - AWX25 cable 2.5 m
	AWC50 - AWX50 cable 5 m	

Shipping & Ordering:

Packaging	Cardboard box
Shipping weight & volume	2.400 kg - 0.017 Cbm

Architects' and Engineers' Specifications:

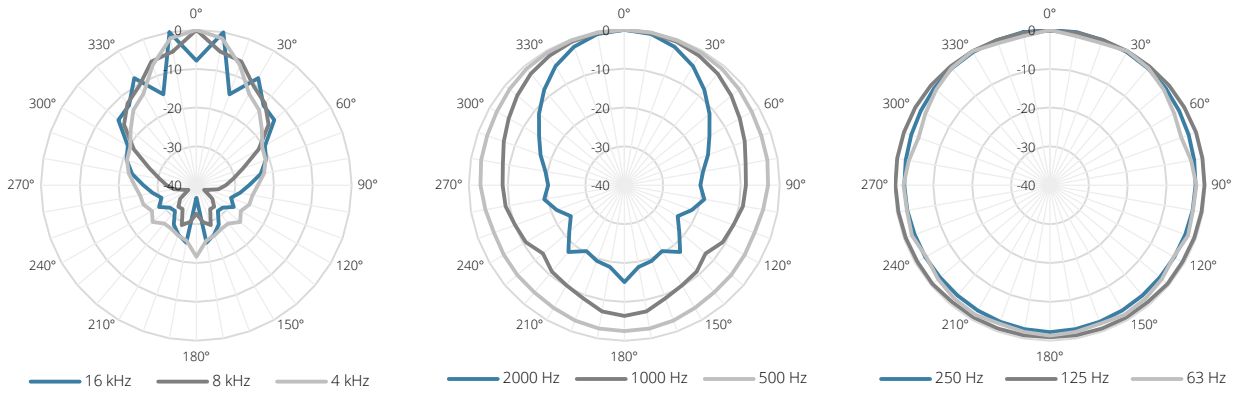
The loudspeaker shall be a full range sound projector based on a 4" full range driver which is built in a fire retardant ABS with a finely perforated aluminium grill. The speaker must have a horizontal dispersion of 60° and a vertical dispersion of 80°. It shall be mounted with the supplied mounting bracket.

It shall have an RMS power handling of 20 Watt with a program power handling of 40 Watt and the frequency response (± 3 dB) shall range from 180 Hz to 13 kHz. The sensitivity shall be 96 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall achieve 109 dB. A 100V line transformer with power taps for 20 Watt, 10 Watt and 5 Watt shall be provided. Power tap selection shall be possible through an especially designed 5-pin waterproof connector, power tap selection depends on the angle rotation of the connector.

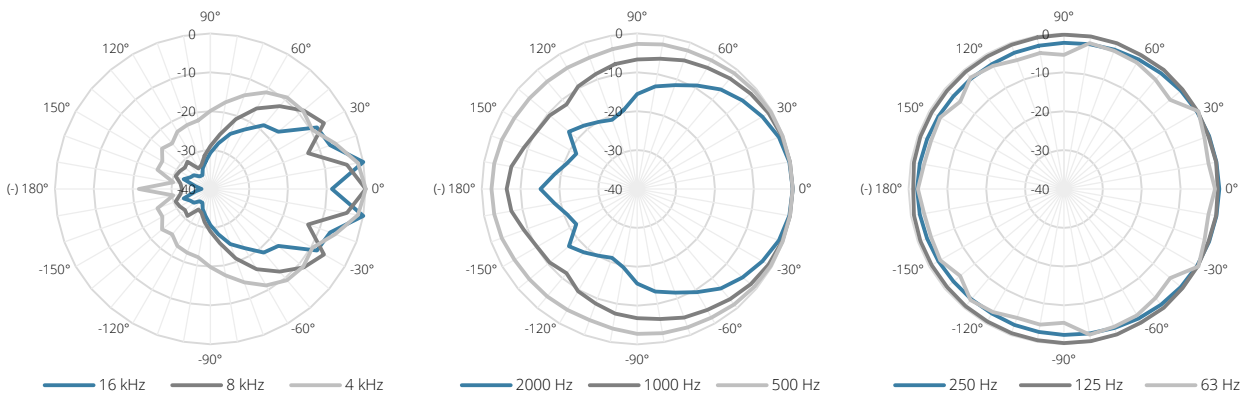
The system's enclosure shall be 220 mm wide, 160 mm high and 250 mm deep and the weight shall not exceed 2.0 Kg.

Acoustical data graphs:

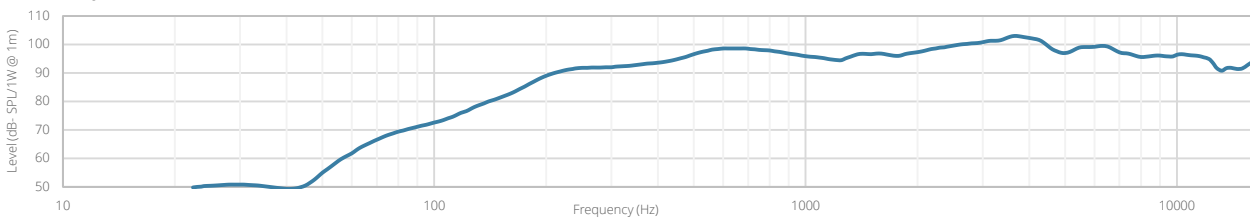
Horizontal Polars:



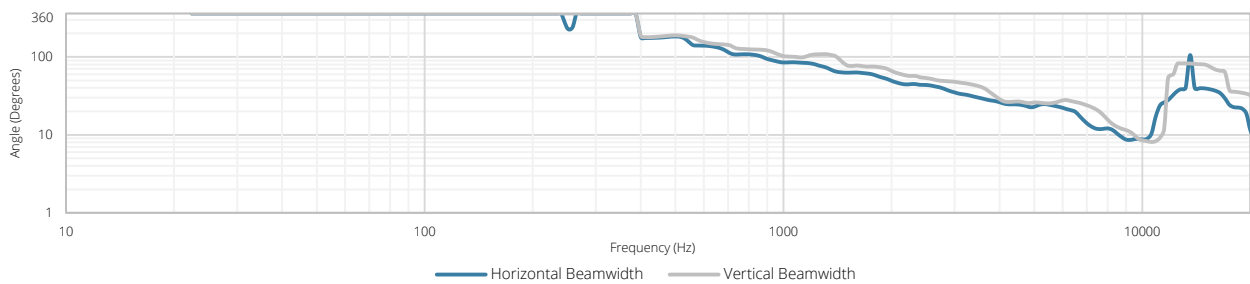
Vertical Polars:



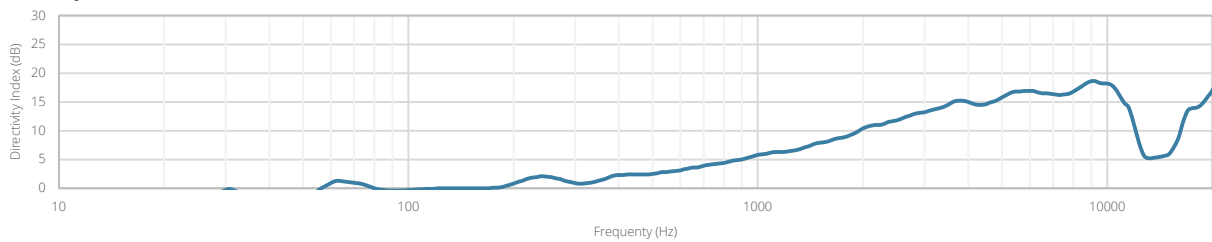
Sensitivity:

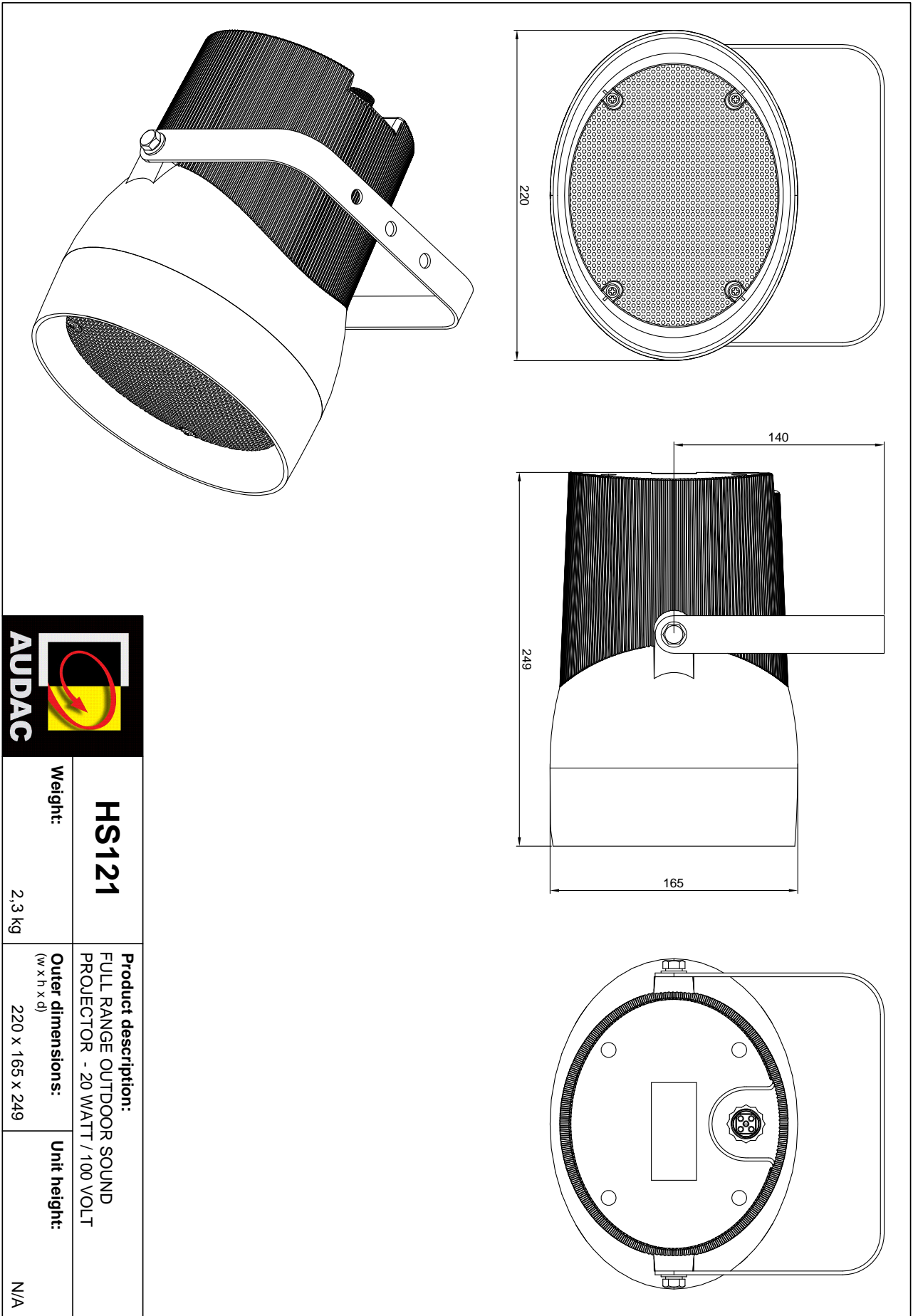


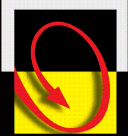
Beamwidth (-3dB):



Directivity index:





	
HS121	Product description: FULL RANGE OUTDOOR SOUND PROJECTOR - 20 WATT / 100 VOLT
Weight: 2,3 kg	Outer dimensions: (w x h x d) 220 x 165 x 249
	Unit height: N/A