

## Line Array System

### APPLICATION

- Public Address and Voice Alarm
- Outdoor application
- Background Music

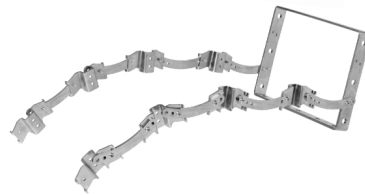
### AREA OF USE

- Health • Education • Retail • Hospitality
- Stadiums • Transportation • Theme parks • Military



**EN 54 24**

- Wavegate technology
- Adjustable steel bracket
- IP66



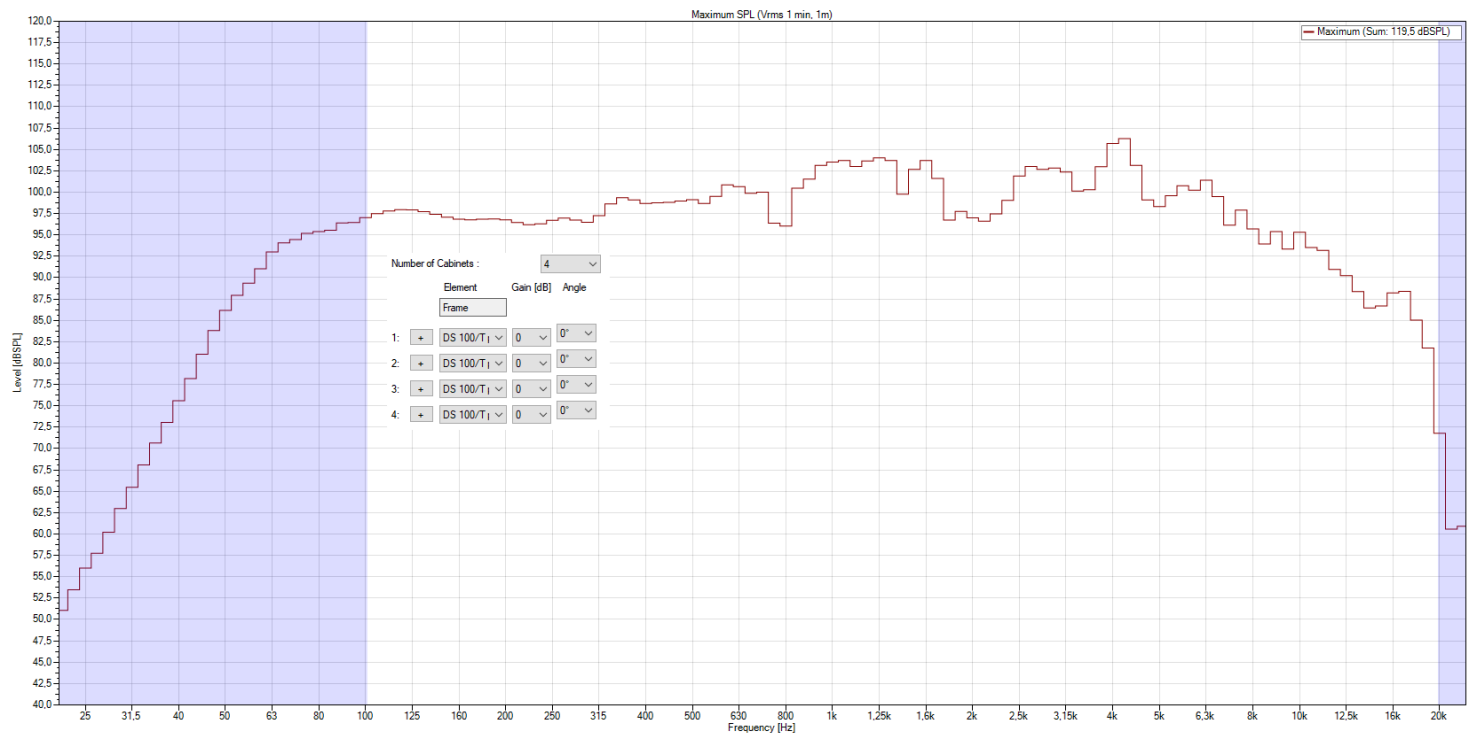
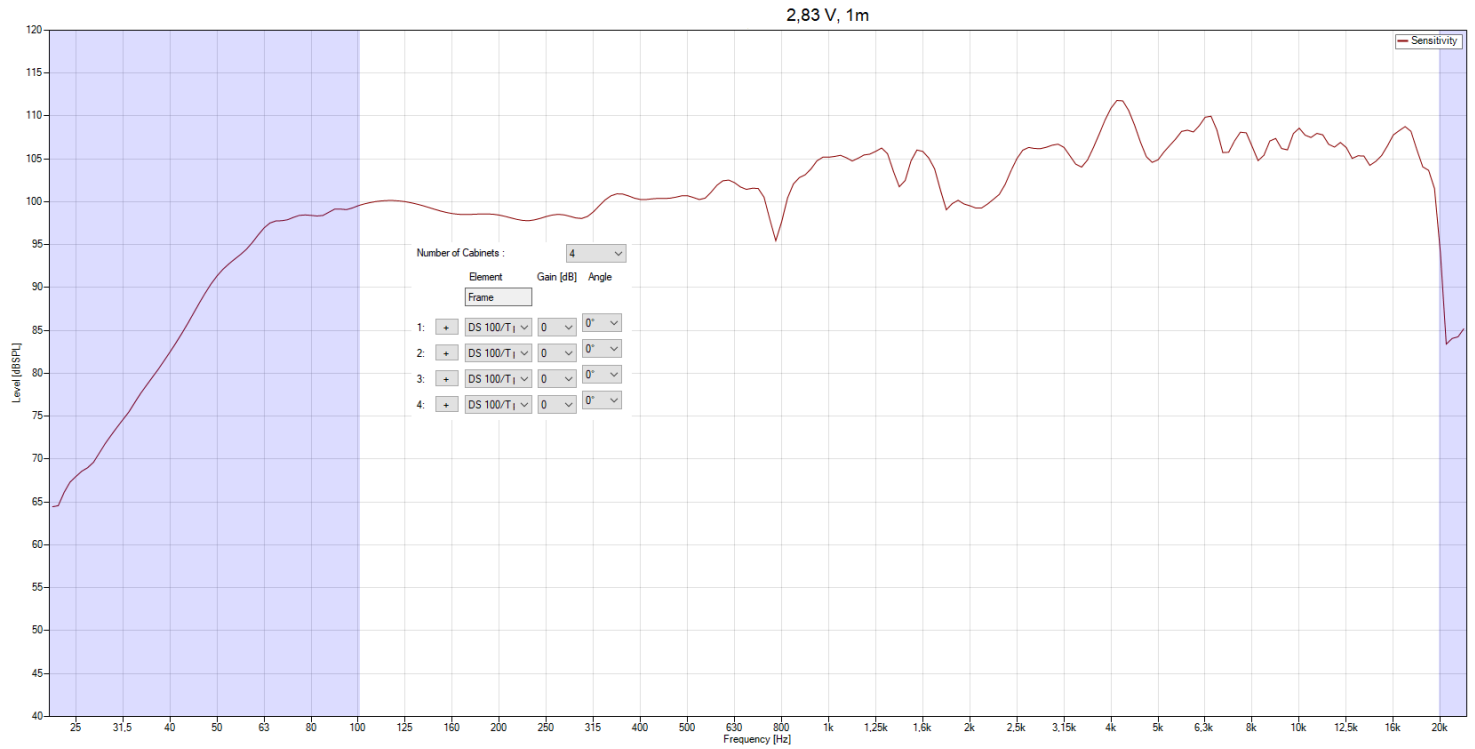
## OVERVIEW

The SAS-400W-ABS line array combines the strengths of the SAS-400W-ABS into a loudspeaker system that is able to cover even larger areas with excellent speech intelligibility, certified according to EN54-24. The compact line array consists of 4 modules in a steel bracket, each of which can be adjusted in 3 vertical steps of 0, 5, 10 and 15 degrees. This makes it adaptable to all acoustic challenges, indoors and outdoors. The loudspeaker is weatherproof with an IP66 protection rating. A safety rope is included in the delivery. The attractive design of the impact-resistant ABS housing with an aluminium grille is available in white and black.

Each of the 100W speakers is equipped with two 4" performance mid-bass woofers, a 2-way bass reflex system and a high-performance tweeter including a waveguide in D'Appolito arrangement. A tweeter switch provides a 4dB boost for possible sound correction in near-wall and near-ceiling installations. Each loudspeaker offers 4 different 100V power adjustments, and low-impedance operation is also possible. The connection is made via screw terminals for cable cross-sections up to 4 mm<sup>2</sup>, and the feed line into the enclosure via a PG11 cable gland in the cover plate. These loudspeakers are also available individually including a mounting bracket.

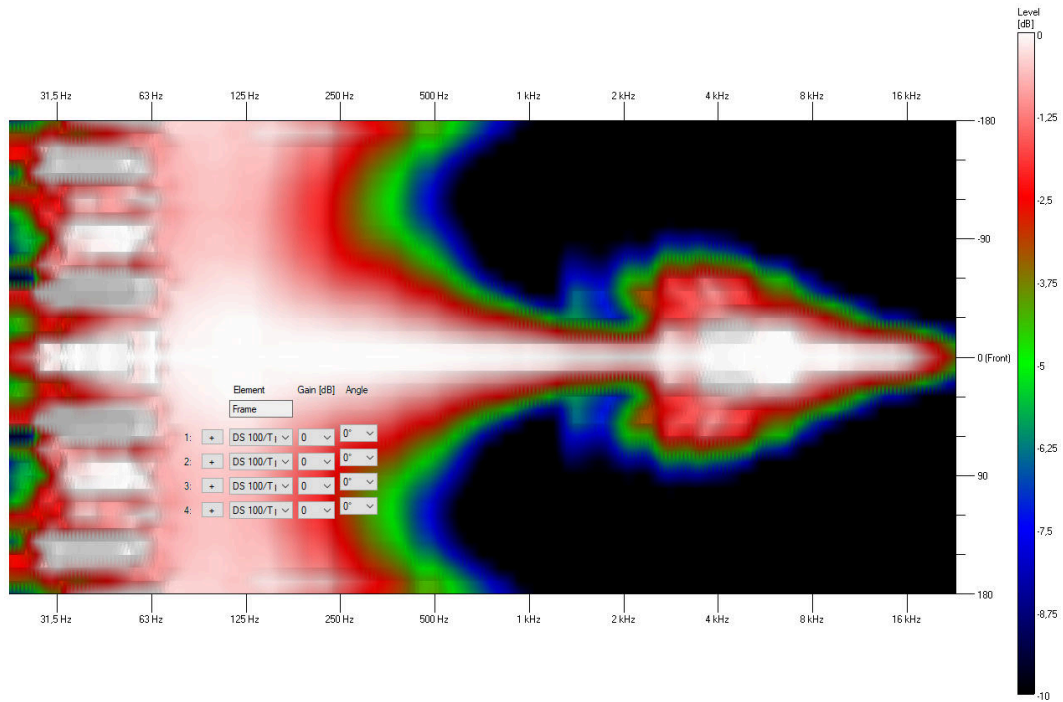
## FREQUENCY RESPONSE DIAGRAMS

### Sensitivity

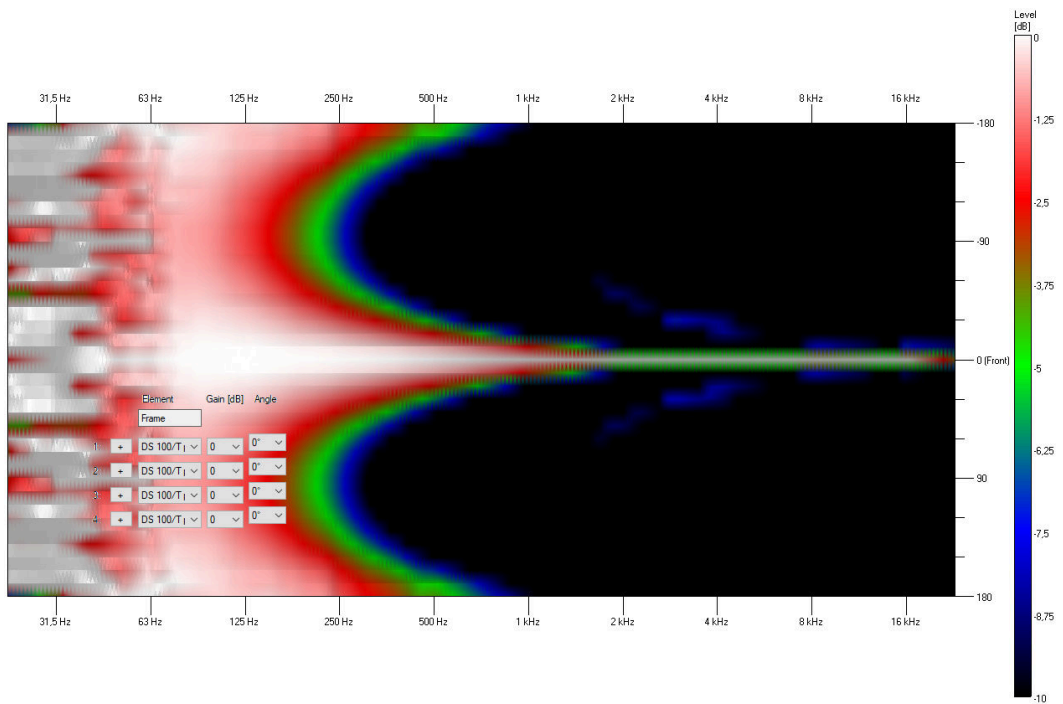


ISOBAR

Horizontal

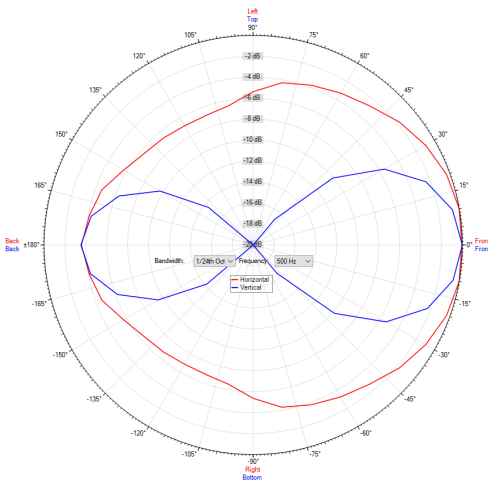


Vertical

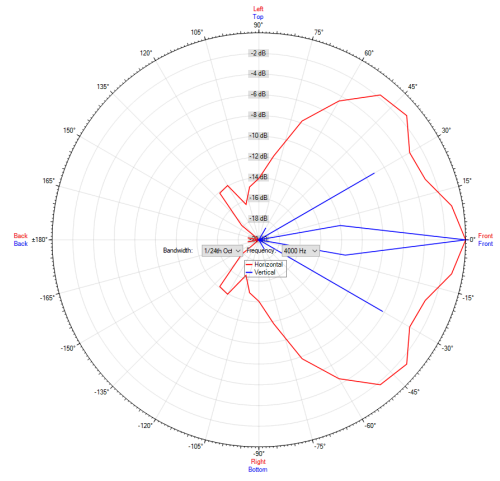


## POLAR DIAGRAM

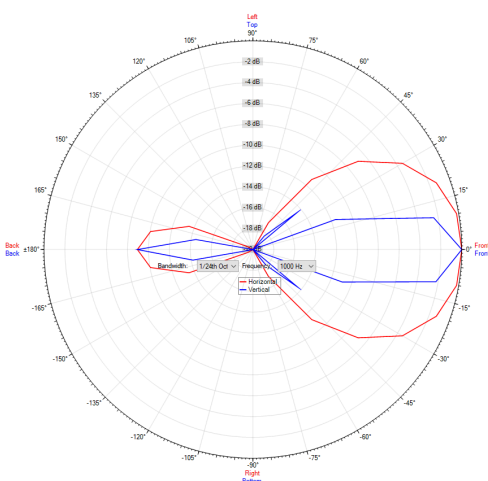
### Polar Diagram 500Hz



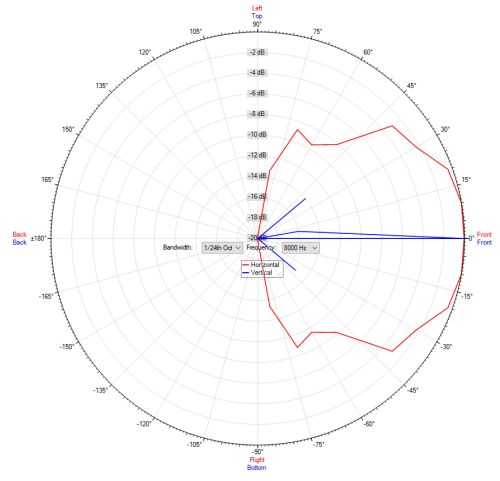
### Polar Diagram 4000Hz



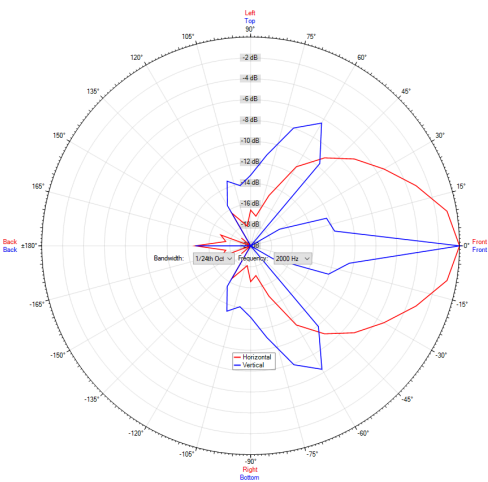
### Polar Diagram 1000Hz



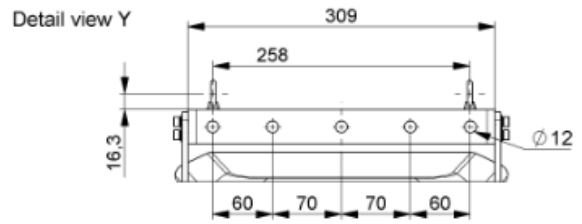
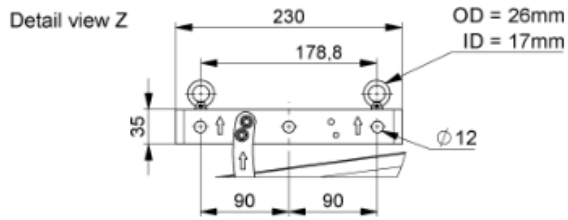
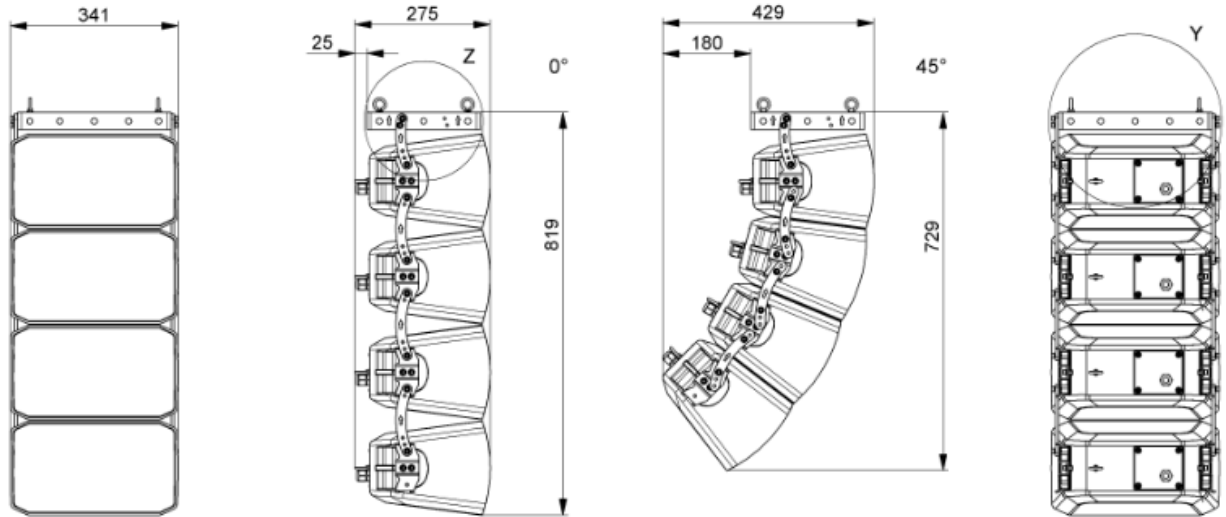
### Polar Diagram 8000Hz



### Polar Diagram 2000Hz

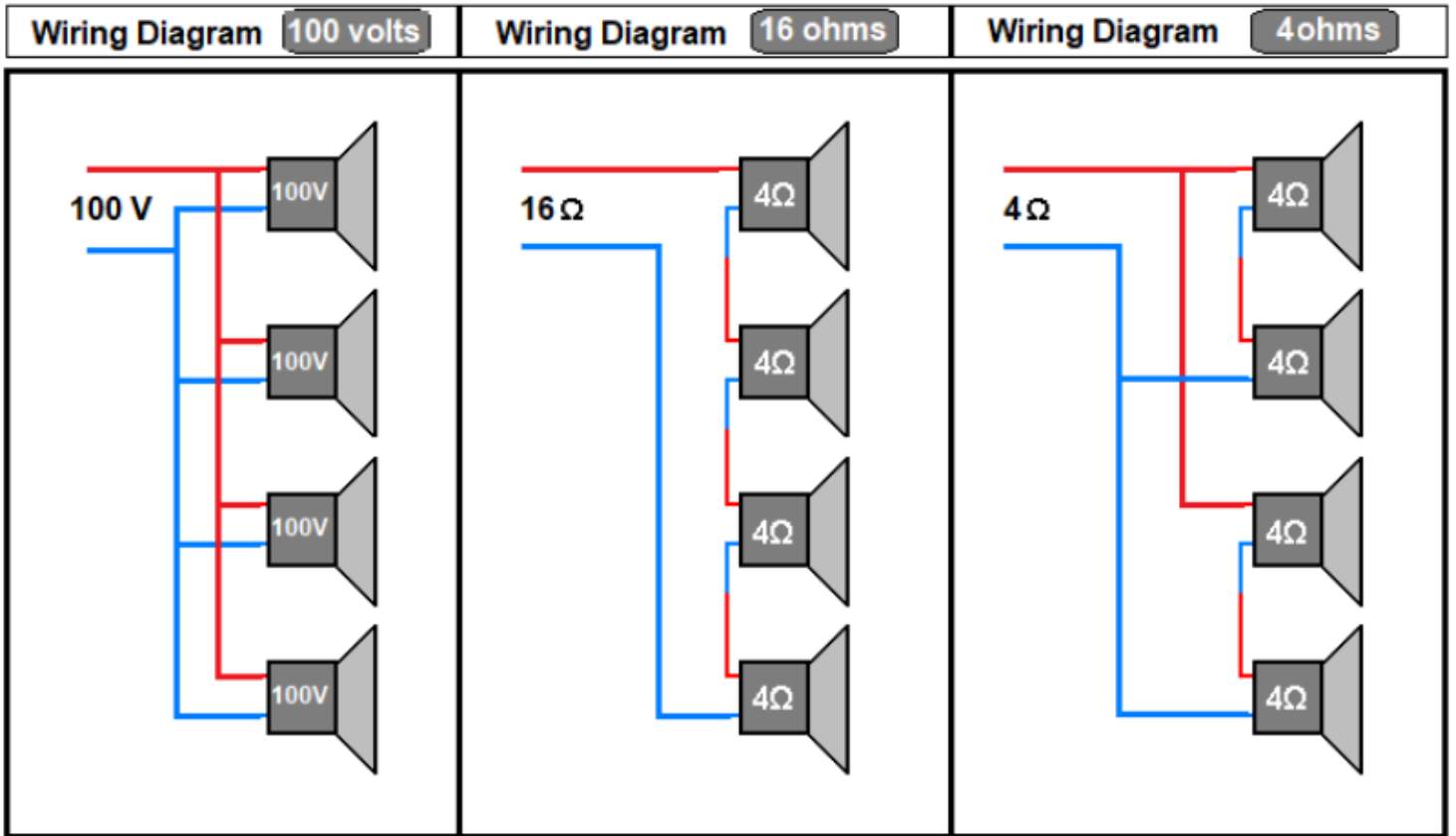


**TECHNICAL DIAGRAMS**



all dimensions are in mm

TECHNICAL DIAGRAMS



variable	max.	max.
<b>Impedance</b> 25 - 200 Ω	<b>Impedance</b> 16 Ω	<b>Impedance</b> 4 Ω
<b>Amp Power</b> 400 - 50 W	<b>Amp Power</b> 400 W	<b>Amp Power</b> 400 W
<b>Amp Voltage rms</b> 100 V	<b>Amp Voltage rms</b> 80 V	<b>Amp Voltage rms</b> 40 V
<b>Spk.Cable Current</b> 4 A	<b>Spk.Cable Current</b> 5 A	<b>Spk.Cable Current</b> 10 A

## TECHNICAL DATA (ELECTRICAL)

Description	SAS-400W-ABS
Power	4x 100/50 /25 W
Impedance (100V)	4x 100/200 /400/ or 1x4 ohm
Frequency Range	56 - 20.500 Hz (Tweeter 0dB)
Frequency Response	50 - 22.000 Hz (Tweeter 0dB)
Sensitivity , IEC268-5, 1W/1m	97 dB
Sensitivity , EN54-24, Pmax./4m	107.4 dB
Sensitivity EN54-24, 1W/4m	80 dB
Sensitivity EN54-24, 1W/1m	92dB
Dispersion -6dB, 500Hz	182° (h) / 62° (v)
Dispersion -6dB, 1KHz	78° (h) /30° (v)
Dispersion -6dB, 2KHz	82° (h) / 11° (v)
Dispersion -6dB, 4KHz	175° (h) / 10° (v)

## TECHNICAL DATA (MECHANICAL)

Dimensions	0°: 341x852x274 / 45°: 341x765x430
IP Rating	IP66
Weight (net)	30 kg
Ceiling Cut-out	246 - 252mm
Temperature range	-10 / +55 °C
Mounting	Mounting bracket
Connector	Screw terminal
Terminal Diameter	2.3 mm
Maximum Cable Passage	4mm <sup>2</sup>
Colour	white, black

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