

PUBLIC ADDRESS / SPEAKERS / SURFACE

# SONORA-4B

LOW IMPEDANCE SURFACE SPEAKER



IP66

- ✓ Crisp, distortion-free sound
- ✓ Excellent finish and elegant design
- ✓ IP-66 protection and salt fog
- ✓ Quick and easy installation

ESPECIALLY RECOMMENDED IN:



Hospitality



Education



Hotels



All sectors

## DESCRIPTION

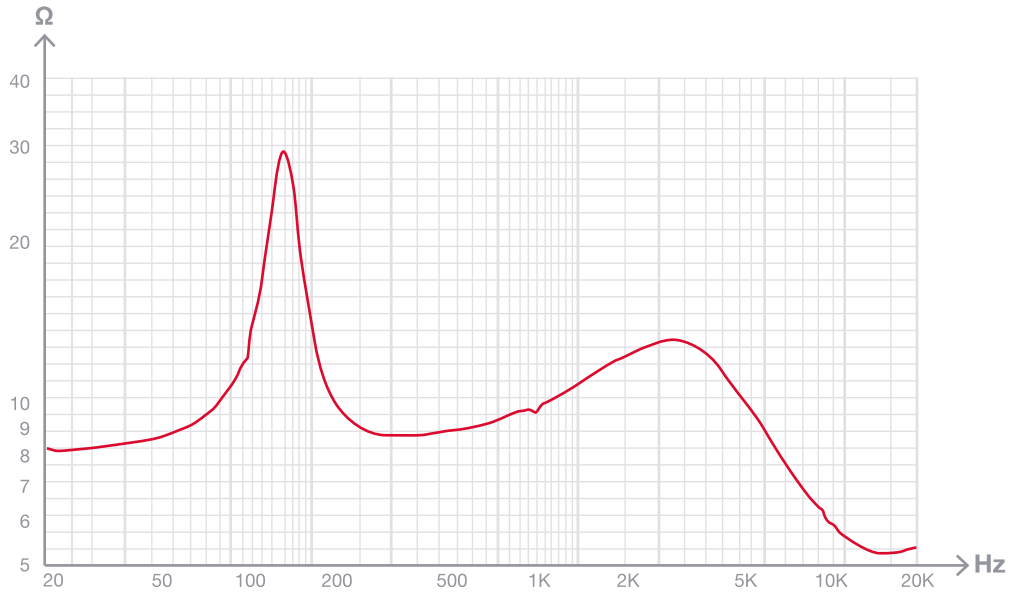
Low impedance sound system loudspeakers. Based on our extensive experience in the sound sector, FONESTAR has created SONORA. SONORA is a series of speakers specially designed for PA, musical and background sound applications. Its excellent finish and elegant design allow perfect integration in any space. They are fully prepared for outdoor use as they feature aluminium grille and protection against water (IP-66) and marine environments. Besides, SONORA delivers high sound quality with clear, distortion-free sound. They include all the necessary accessories for easy and quick installation: weatherproofed adjustable fixing mount, stainless steel screws and steel safety cable. For public address, music and ambient sound applications in public places such as restaurants, cafés, supermarkets, shopping centres, etc.

## TECHNICAL CHARACTERISTICS

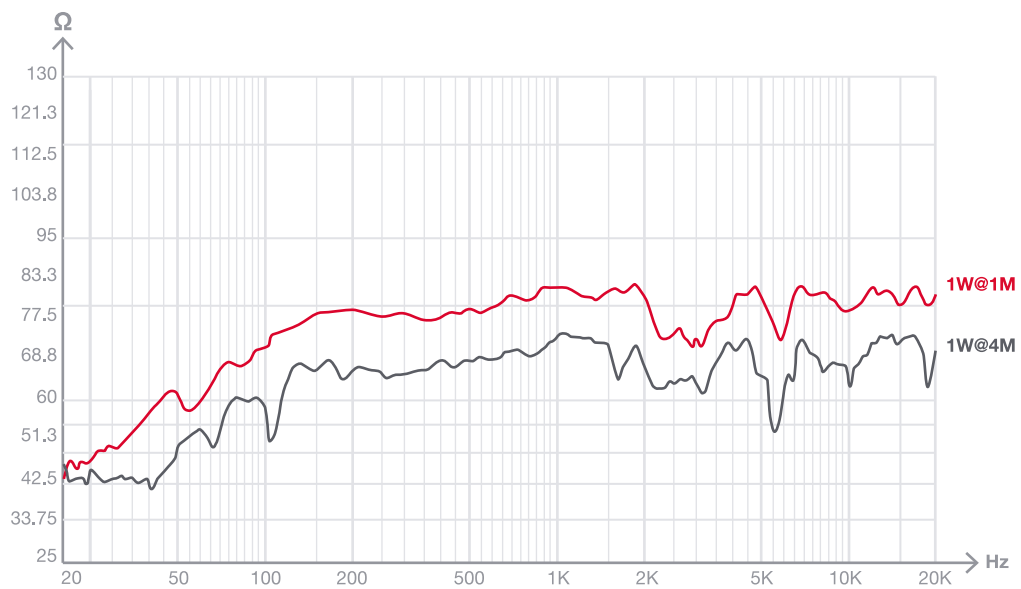
|                        |  |
|------------------------|--|
| FEATURES               | Low-impedance PA loudspeaker.<br>Suitable for outdoor use, with IP-66 protection.  |
| POWER                  | 60 W max., 30 W RMS  |
| LOUDSPEAKERS           | 1 x 4" polypropylene woofer<br>1 x 1" tweeter  |
| RESPONSE               | 120-20,000 Hz  |
| IMPEDANCE              | 8 Ohm  |
| SENSITIVITY            | 84.9 dB @ 1 W/1 m  |
| MAXIMUM SOUND PRESSURE | 97.6 dB @ máx. W/1 m   |
| COVERAGE ANGLE         | H/V: 215°/225° @500Hz, 145°/130°@1kHz, 115°/120°@2kHz, 80°/110°@4kHz (-6 dB)   |
| PROTECTION             | IP-66 in compliance with EN 60529<br>IEC 60068-2-11 Environmental Test (Salt mist)   |
| MATERIAL               | ABS (UV resistance)<br>Aluminium mesh grille, with powder-coated finish<br>Weather-resistant mount<br>Stainless steel screws |
| CONNECTORS             | Euroblock in and out for cable 0.25 - 2.5 mm <sup>2</sup> cross section  |
| TEMPERATURE RANGE      | -10°C ~ 60°C   |
| COLOUR                 | White (RAL 9003)   |

|             |  |
|-------------|--|
| DIMENSIONS  | Loudspeaker: 125 x 202 x 125 mm depth<br>Mount wall plate: 68 x 110 mm<br>Loudspeaker with mount: 193 mm depth |
| WEIGHT      | 1 kg   |
| ACCESSORIES | Adjustable mounting bracket $\pm 60^\circ$ in all directions.<br>Steel safety cable                            |

●  Impedance vs Frequency



●  SPL vs Frequency

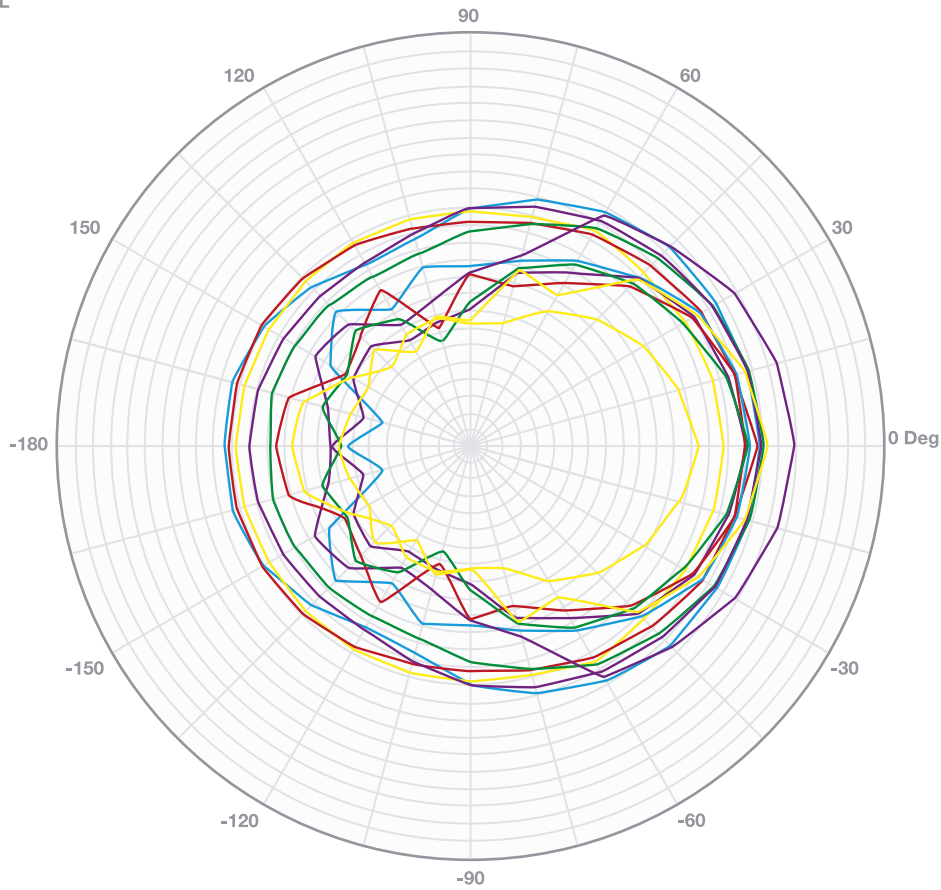




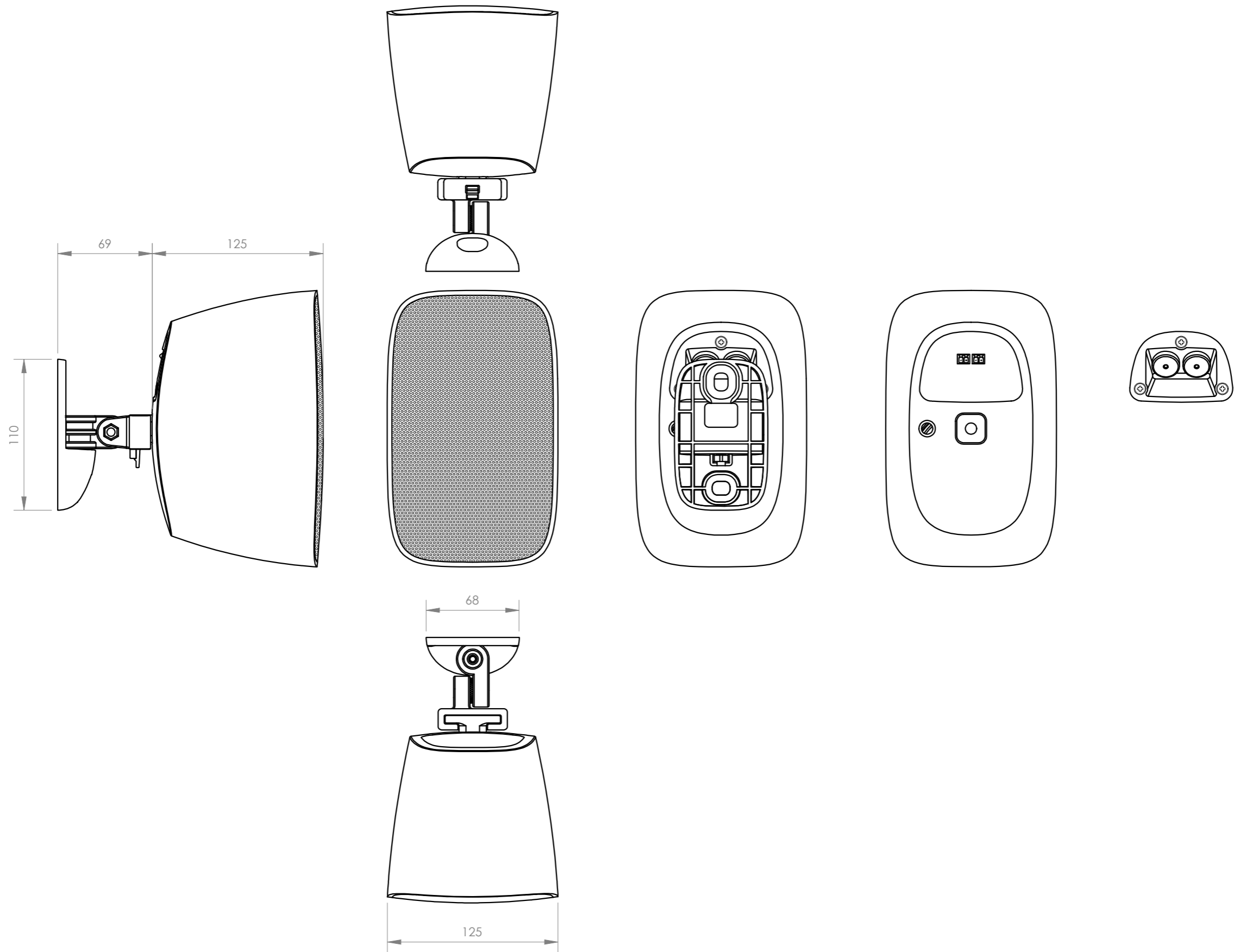
## SPL vs Angle

dB SPL

100  
95  
90  
85  
80  
75  
70  
65  
60  
55  
50  
45  
40  
-180  
45  
50  
55  
60  
65  
70  
75  
80  
85  
90  
95  
100



| Curve | Freq.  | BW  | Q   | DI  |
|-------|--------|-----|-----|-----|
| —     | 441.94 | 360 | 1   | 0.0 |
| —     | 625.00 | 120 | 3.0 | 4.8 |
| —     | 883.88 | 150 | 2.4 | 3.8 |
| —     | 1.25K  | 120 | 3.0 | 4.8 |
| —     | 1.77K  | 90  | 4.0 | 6.0 |
| —     | 2.50K  | 60  | 6.0 | 7.8 |
| —     | 3.54K  | 60  | 6.0 | 7.8 |
| —     | 5.00K  | 90  | 4.0 | 6.0 |
| —     | 7.07K  | 90  | 4.0 | 6.0 |
| —     | 10.00K | 60  | 6.0 | 7.8 |
| —     | 14.14K | 60  | 6.0 | 7.8 |
| —     | 20.00K | 60  | 6.0 | 7.8 |
| —     | 28.28K | 60  | 6.0 | 7.8 |
| —     | 40.00K | 60  | 6.0 | 7.8 |



|                 |                     |                               |       |       |
|-----------------|---------------------|-------------------------------|-------|-------|
| <b>FONESTAR</b> | Model               | Description                   | Units | Scale |
|                 | SONORA-4B+SONORA-4N | LOW IMPEDANCE SURFACE SPEAKER | mm    | 1:3   |