

PUBLIC ADDRESS / SPEAKERS / SURFACE

SONORA-4N

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

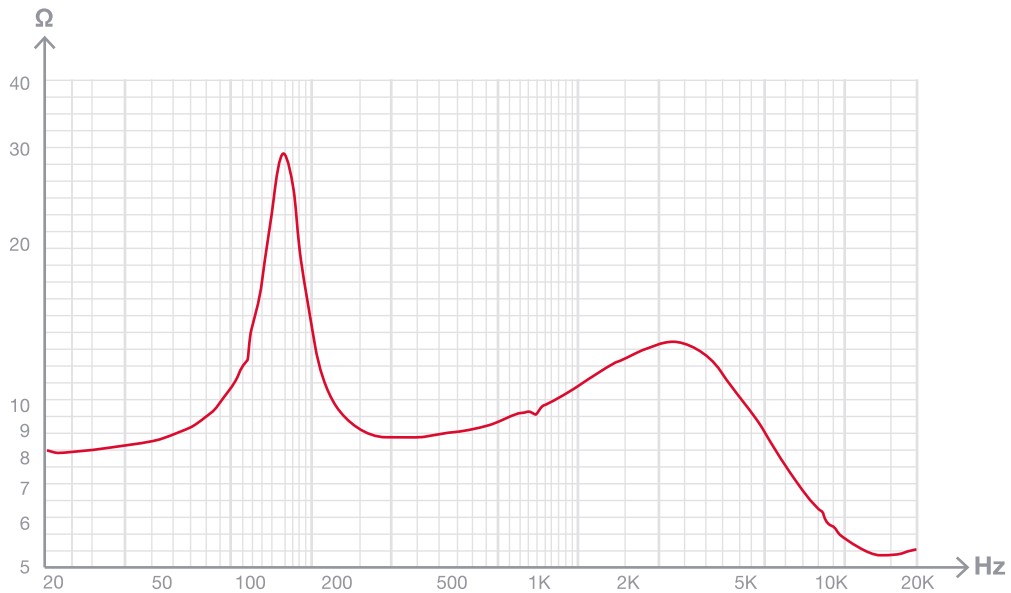
Low impedance sound system loudspeakers Based on our extensive experience in the sound sector, FONESTAR has created SONORA. SONORA is a series of speakers specially designed for PA, musical and background sound applications. Its excellent finish and elegant design allow perfect integration in any space. 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

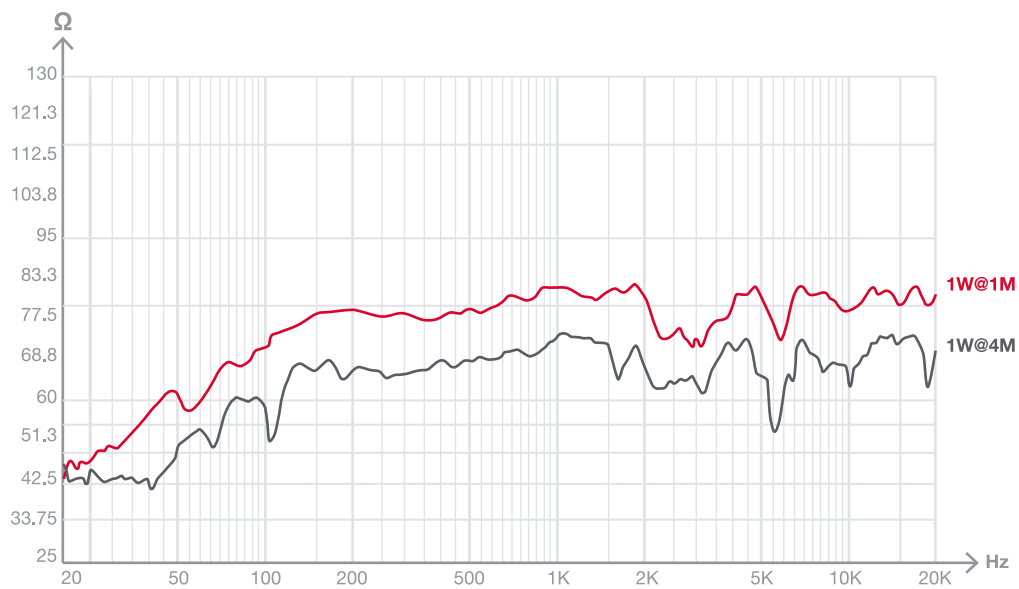
| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| FEATURES | Low-impedance PA loudspeaker. Suitable for outdoor use, with IP-66 protection. |
| POWER | 60 W max., 30 W RMS |
| LOUDSPEAKERS | 1 x 4" polypropylene woofer 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 according to EN 60529 IEC 60068-2-11 Environmental Test (Salt mist) |
| MATERIAL | ABS (UV resistance) Aluminium mesh grille, with powder-coated finish Weather-resistant mount Stainless steel screws |
| CONNECTORS | Euroblock in and out for cable 0.25 - 2.5 mm ² cross section |
| TEMPERATURE RANGE | -10°C ~ 60°C |
| COLOUR | Black (RAL 9005) |

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

●  Impedance vs Frequency



●  SPL vs Frequency

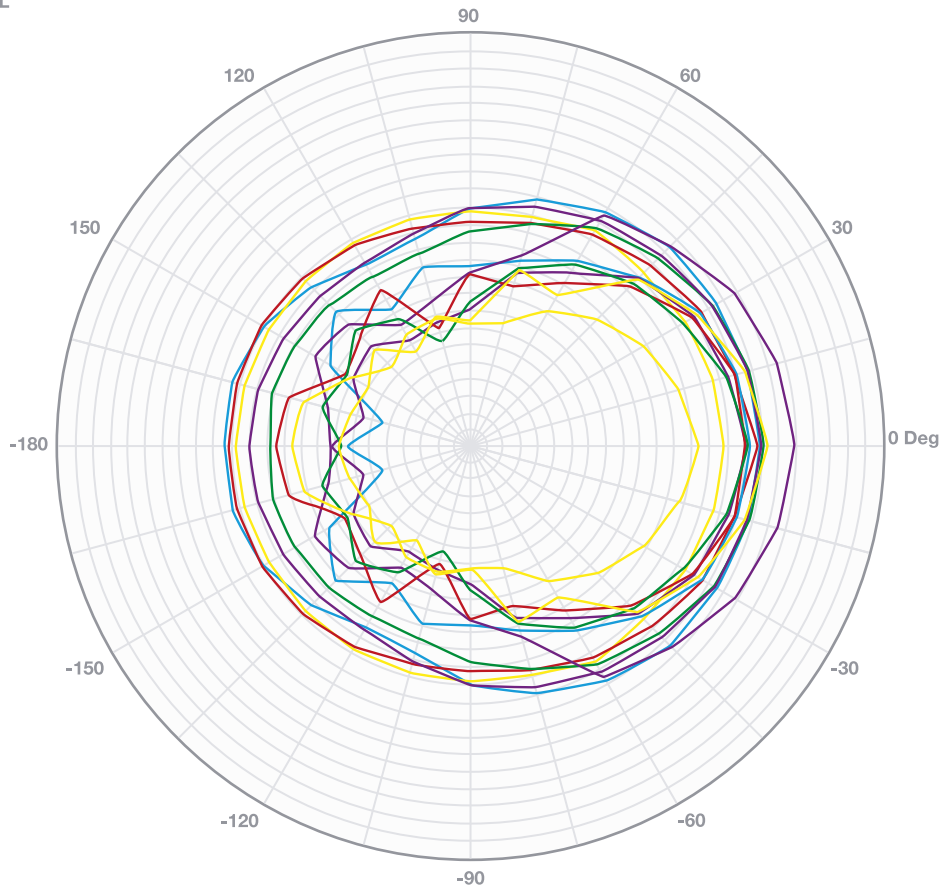




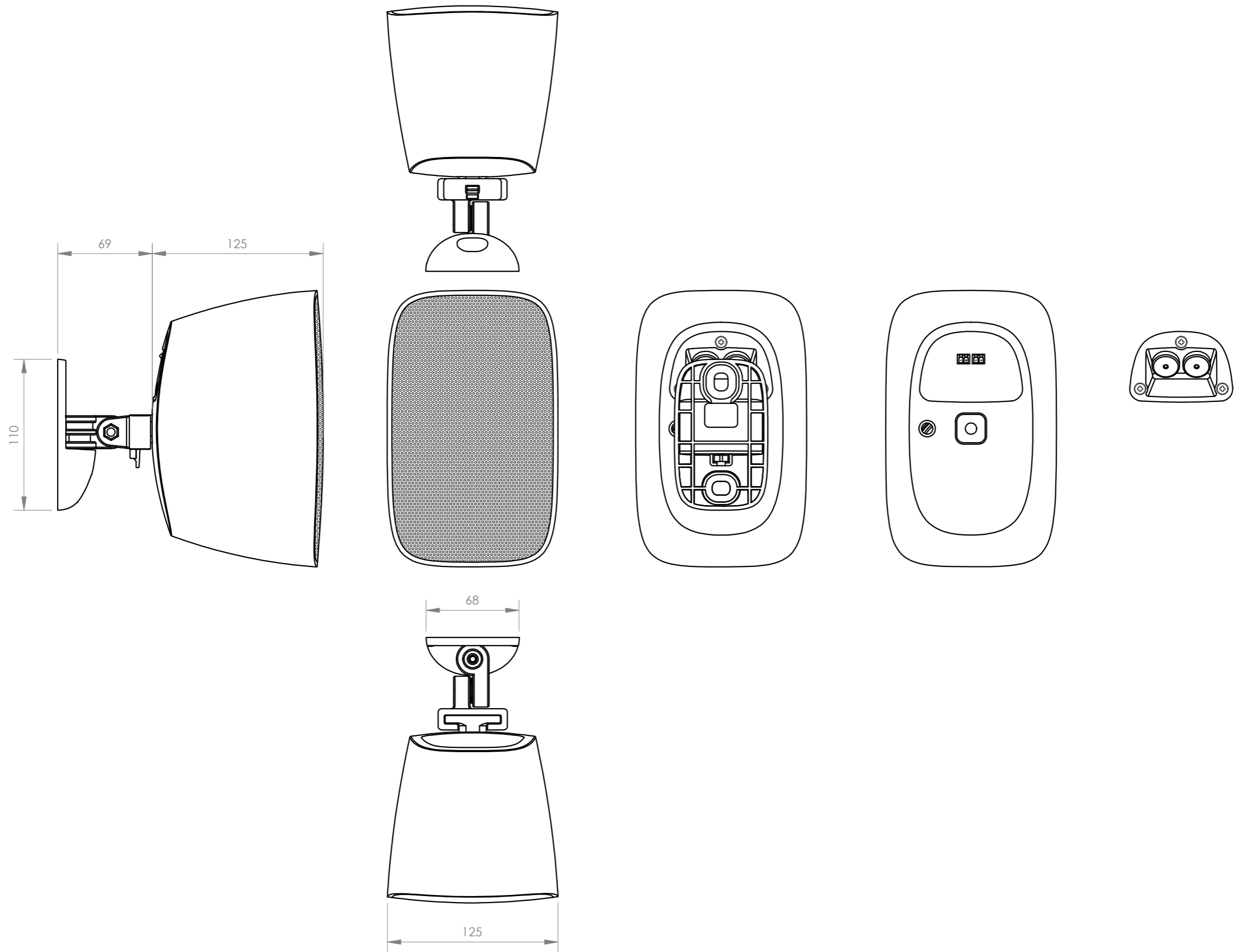
SPL vs Angle

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 |



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