

PUBLIC ADDRESS / SPEAKERS / SURFACE

# SONORA-5N

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.

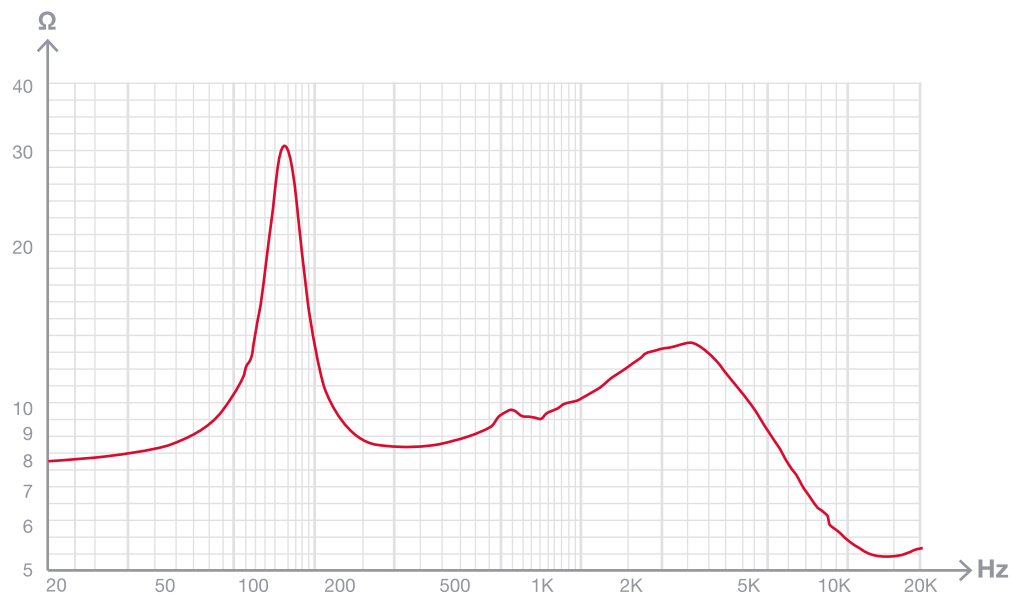
## TECHNICAL CHARACTERISTICS

|                        |  |
|------------------------|--|
| FEATURES               | Low-impedance loudspeaker.<br>Prepared for outdoor use, with IP-66 protection.   |
| POWER                  | 80 W max., 40 W RMS  |
| SPEAKERS               | 1 x 5 ¼" polypropylene woofer<br>1 x 1" tweeter  |
| RESPONSE               | 80-20,000 Hz   |
| IMPEDANCE              | 8 Ohm  |
| SENSITIVITY            | 88.3 dB @ 1 W/1 m  |
| MAXIMUM SOUND PRESSURE | 102.2 dB @ máx. W/1 m  |
| COVERAGE ANGLE         | H/V: 200°/200°@500Hz, 135°/135°@1kHz, 100°/120°@2kHz, 60°/80°@4kHz (-6 dB)   |
| PROTECTIONS            | 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 mm² cross section  |
| TEMPERATURE RANGE      | -10°C ~ 60°C   |
| COLOUR                 | Black (RAL 9005)   |
|                        | Loudspeaker: 162 x 263 x 147 mm depth<br>Mount wall plate: 68 x 110 mm   |

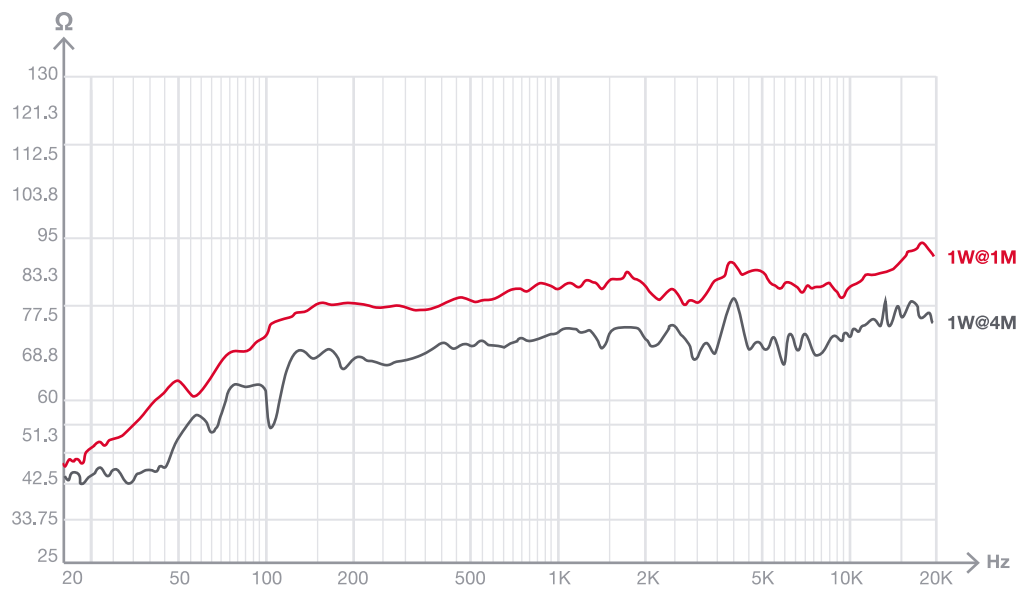
Loudspeaker with mount: 216 mm depth

|             |  |
|-------------|--|
| WEIGHT      | 1.65 kg  |
| ACCESSORIES | Adjustable fixing mount ± 60° in all directions.<br>Steel safety cable |

Impedance vs Frequency



SPL vs Frequency

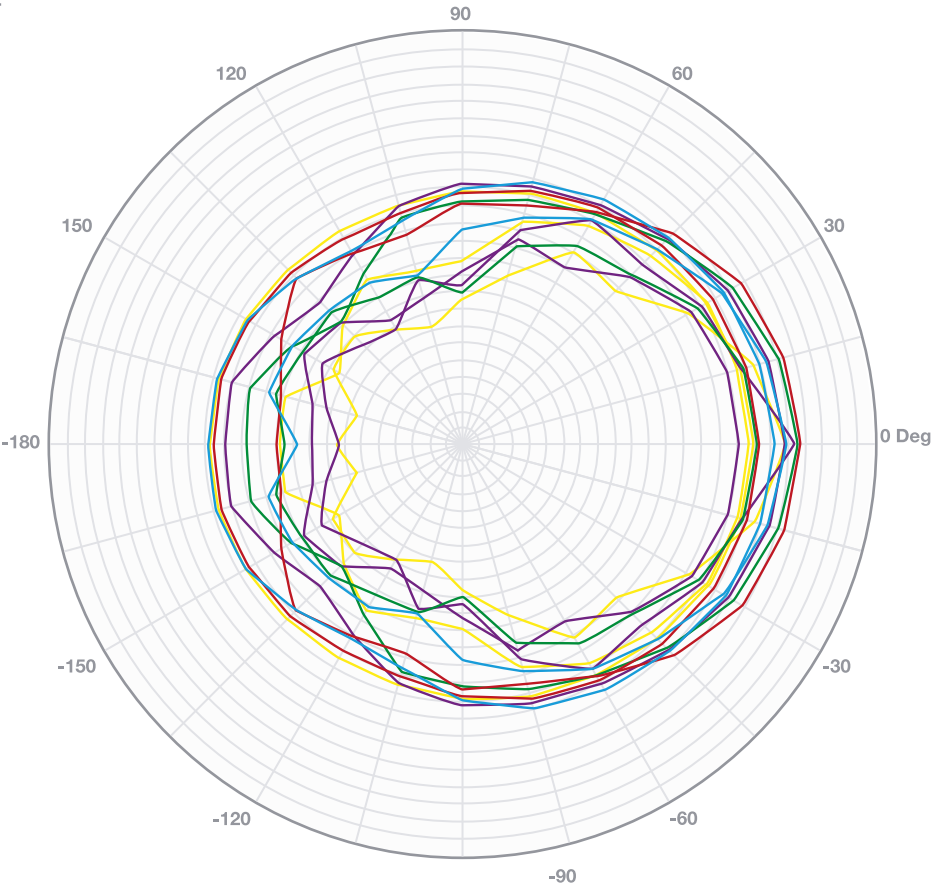




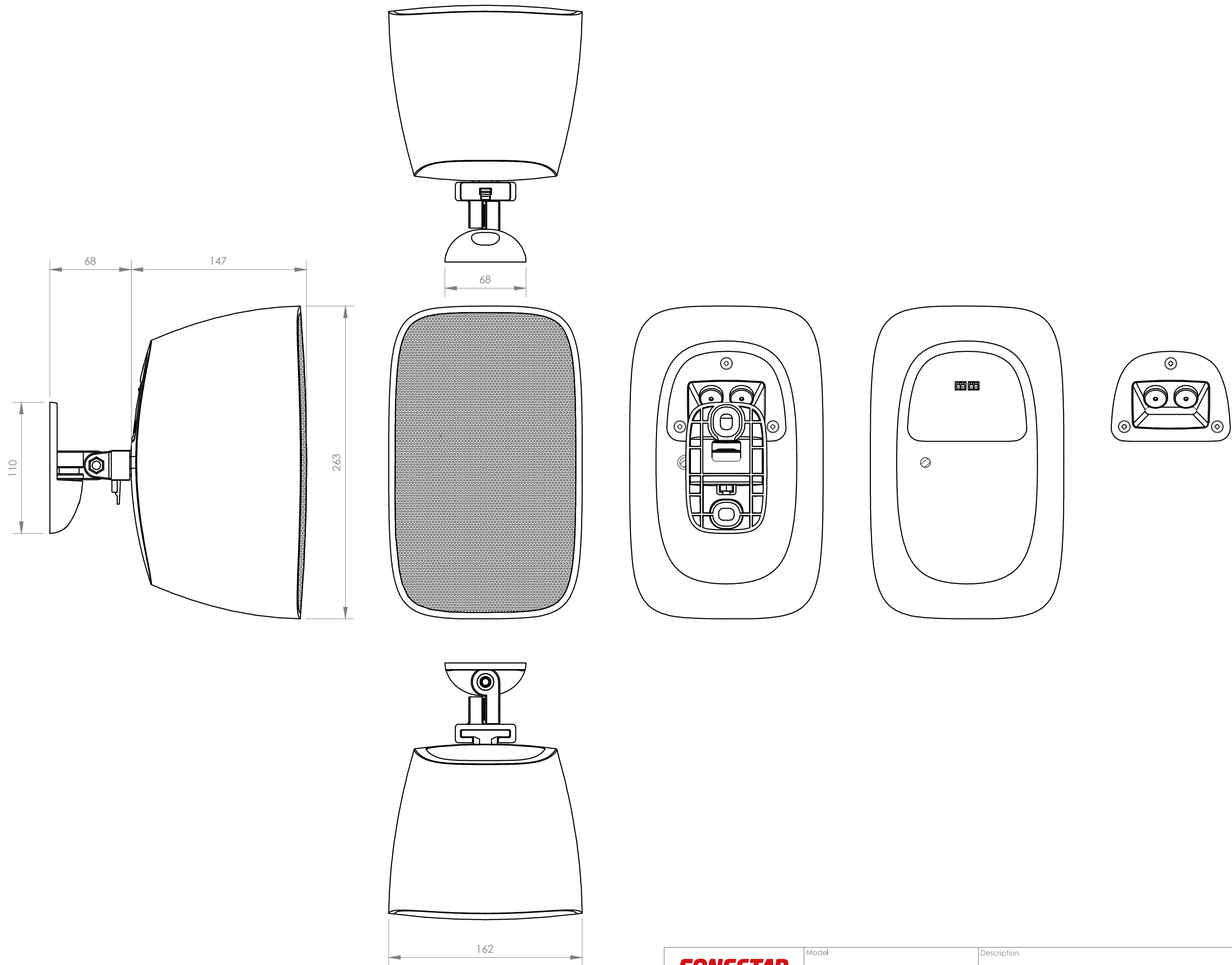
SPL vs Angle

dB SPL

100  
95  
90  
85  
80  
75  
70  
65  
60  
55  
50  
45  
40  
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-5B-SONORA-5N | LOW IMPEDANCE SURFACE SPEAKER | mm    | 1:3   |