

PUBLIC ADDRESS / SPEAKERS / SURFACE

SONORA-6T-BK

100 V LINE TRANSFORMER AND LOW IMPEDANCE SURFACE SPEAKER



IP66

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



+ Info:

<https://fonestar.com/SONORA-6T-BK>

ESPECIALLY RECOMMENDED IN:



Hospitality



Education



Hotels



All sectors

DESCRIPTION

6" surface speaker. 60/30/15/7.5 W RMS@100 V. 60 W RMS@8Ohm. IP-66 protection and salt fog. Adjustable fixing mount. Steel safety cable.

TECHNICAL CHARACTERISTICS

FEATURES	Low impedance loudspeaker with 100 V line transformer. Suitable for outdoor use, waterproof and rustproof materials.
POWER	100 W max., 60 W RMS
SPEAKERS	1 x 6" polypropylene woofer 1 x 1" tweeter
RESPONSE	75-20,000 Hz
IMPEDANCE	60 W RMS@100 V (165 Ohm) 30 W RMS@100 V/70 V (330 Ohm/163 Ohm) 15 W RMS@100 V/70 V (660 Ohm/326 Ohm) 7.5 W RMS@100 V (1.320 Ohm/653 Ohm) 3.75 W RMS@70 V (1.306 Ohm) Low Z: 8 Ohm
SENSITIVITY	88.4 dB @ 1 W/1 m
MAXIMUM SOUND PRESSURE	103.8 dB @ max. W/1 m
COVERAGE ANGLE	150° H x 120° V @1kHz (-6 dB)
PROTECTIONS	IP-66 according to EN 60529 IEC 60068-2-11 Environmental tests (Salt spray)
MATERIAL	ABS (UV resistance) Aluminium mesh grille, with powder-coated finish Weather-resistant mount A2 stainless steel screws
SWITCH	W selector in high Z and low Z
CONNECTORS	Euroblock input and output for cable cross-section 0.25 - 2.5 mm². Rubber cable glands for round cables with a diameter of 4-7 mm
TEMPERATURE RANGE	-10°C ~ 60°C



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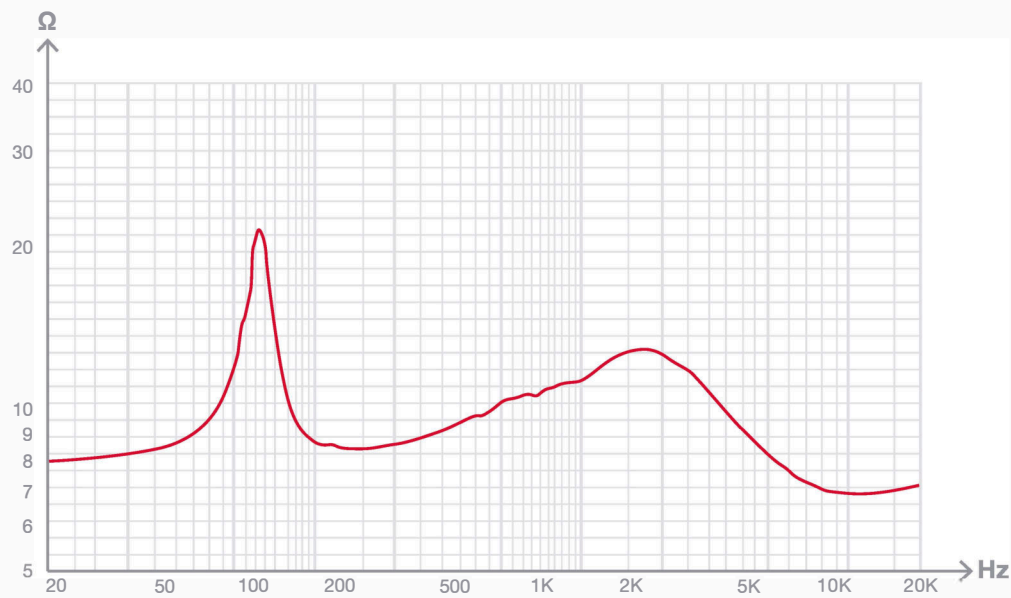
COLOUR	Black (RAL 9005)
DIMENSIONS	Loudspeaker: 199 x 322 x 181 mm depth Mount wall plate: 102 x 165 mm Loudspeaker with mount: 284 mm depth
WEIGHT	3 kg
ACCESSORIES	Adjustable mounting bracket $\pm 60^\circ$ in all directions. Steel safety cable



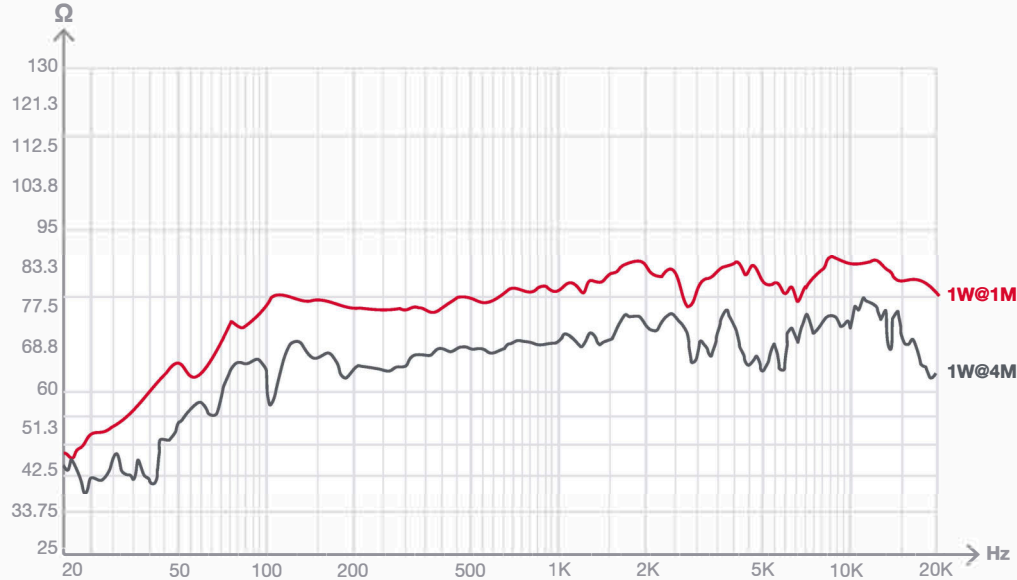
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Impedance vs Frequency



SPL vs Frequency

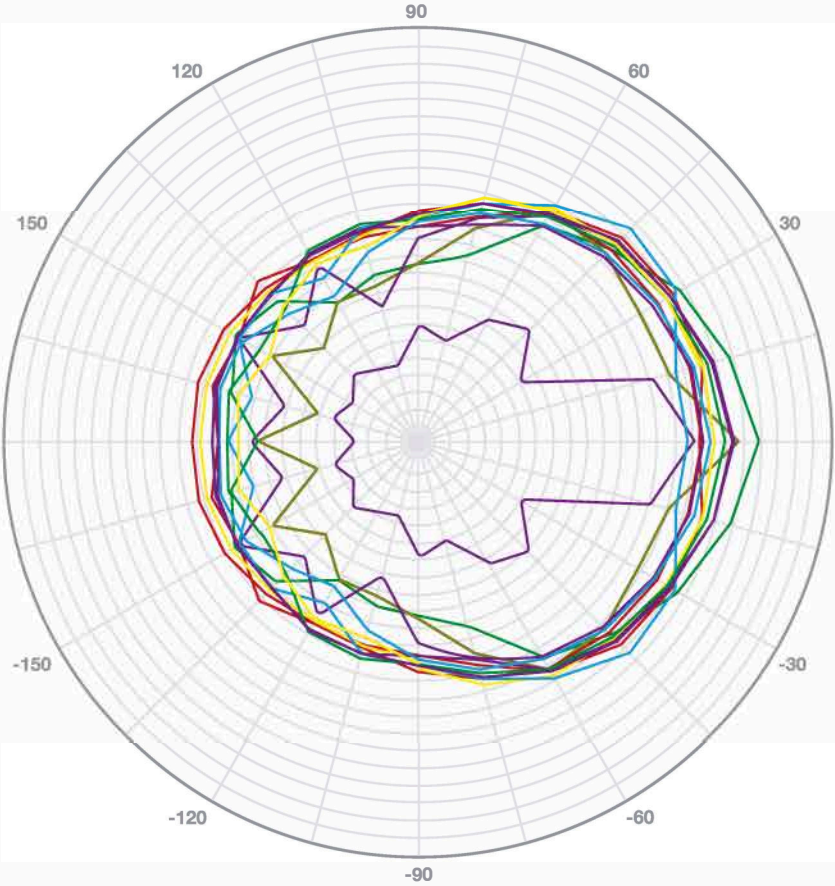




SPL vs Angle

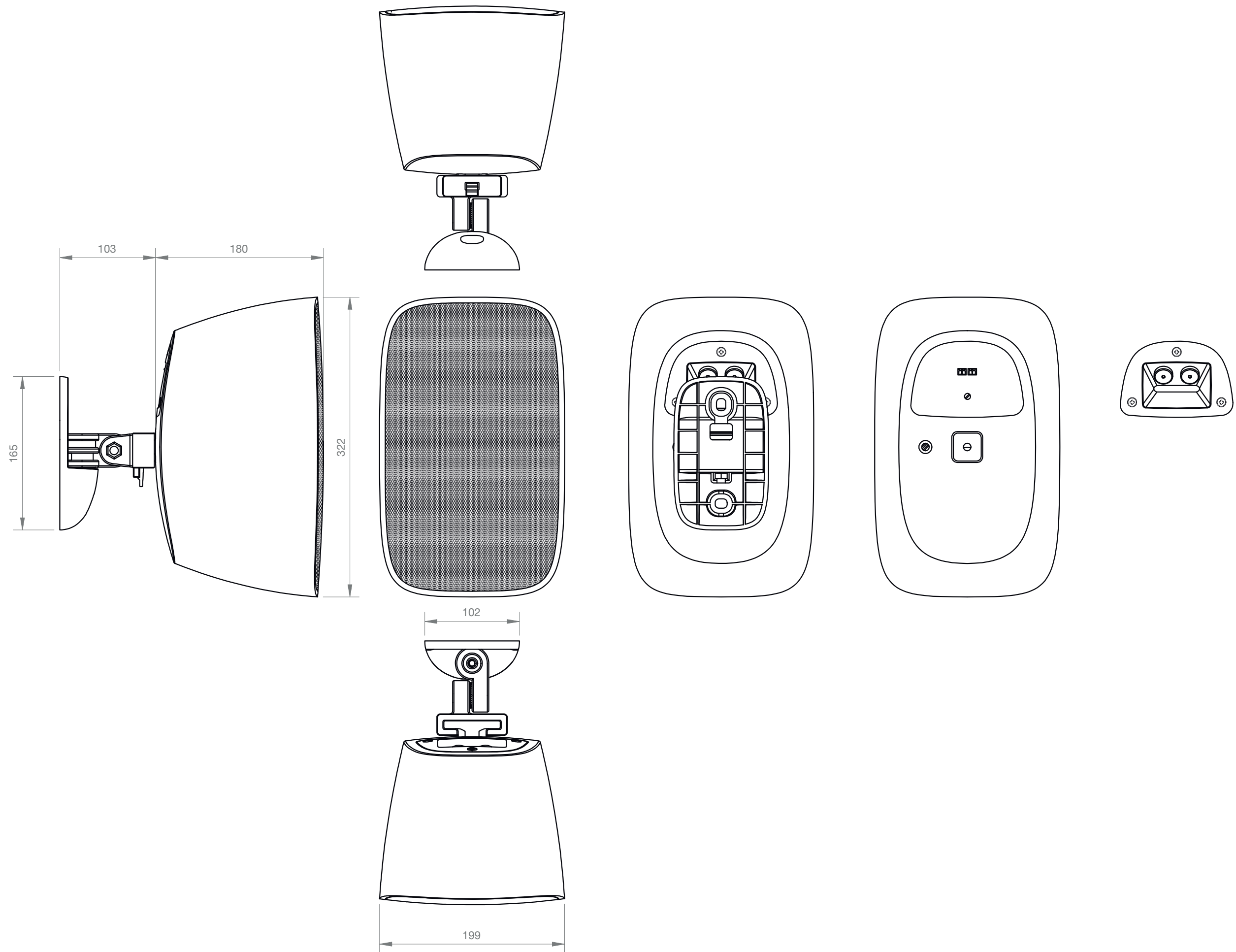
dB SPL

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	150	2.4	3.8
	625.00	150	2.4	3.8
	883.88	120	3.0	4.8
	1.25K	120	3.0	4.8
	1.77K	90	4.0	6.0
	2.50K	120	3.0	4.8
	3.54K	120	3.0	4.8
	5.00K	150	2.4	3.8
	7.07K	90	4.0	6.0
	10.00K	60	6.0	7.8
	14.14K	1	360.0	25.6
	20.00K	30	12.0	10.8
	28.28K	30	12.0	10.8
	40.00K	30	12.0	10.8





FONESTAR	Model	Description	Units	Scale
	SONORA-6T-WH+SONORA-6T-BK	100 V LINE TRANSFORMER AND LOW IMPEDANCE SURFACE SPEAKER	mm	1:4