

PA SYSTEM / SPEAKERS / SURFACE

SONORA-5TN-EN

EN 54 SURFACE SPEAKER WITH 100 V LINE TRANSFORMER AND LOW IMPEDANCE



EN 54



IP66

SALT MIST
RESISTANCE

- ✓ Excellent sound quality
- ✓ Excellent finish and elegant design
- ✓ EN 54-24 certificate
- ✓ Prepared for outdoor use, protection against water and anti-corrosion materials.



+ Info:

<https://fonestar.com/SONORA-5TN-EN>

ESPECIALLY RECOMMENDED IN:



Hospitality



Education



Hotels



All sectors

DESCRIPTION

Loudspeaker for voice alarm systems EN 54. 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. It complies with the essential features of EN 54-24, allowing its use in voice alarm, fire alarm and fire and evacuation systems EN 54. 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 voice alarm systems in public places such as hospitals, shopping centres, industrial facilities, etc.

TECHNICAL CHARACTERISTICS

FEATURES	Loudspeaker for voice alarm systems EN 54 Low-impedance loudspeaker with 100 V line transformer. Prepared for outdoor use, waterproof and rustproof materials.
INTENDED USE	Loudspeaker for voice alarm systems
STANDARDS	EN 54-24 certified Fire detection and fire alarm systems - Part 24: components of voice alarm systems - Loudspeakers EN 54-24: 2008
POWER	80 W max., 40 W RMS
LOUDSPEAKERS	1 x 5 1/4" woofer 1 x 1" tweeter
RESPONSE	80-20,000 Hz
IMPEDANCE	40 W RMS @ 100 V (250 Ohm) 20 W RMS @ 100 V (500 Ohm) 10 W RMS @ 100 V (1,000 Ohm) 5 W RMS @ 100 V (2,000 Ohm) Low Z: 8 Ohm
SENSITIVITY	86 dB @ 1 W/1 m 74 dB @ 1 W/4 m
MAXIMUM SOUND PRESSURE	99 dB @ max. W/1 m 89 dB @ max. W/4 m



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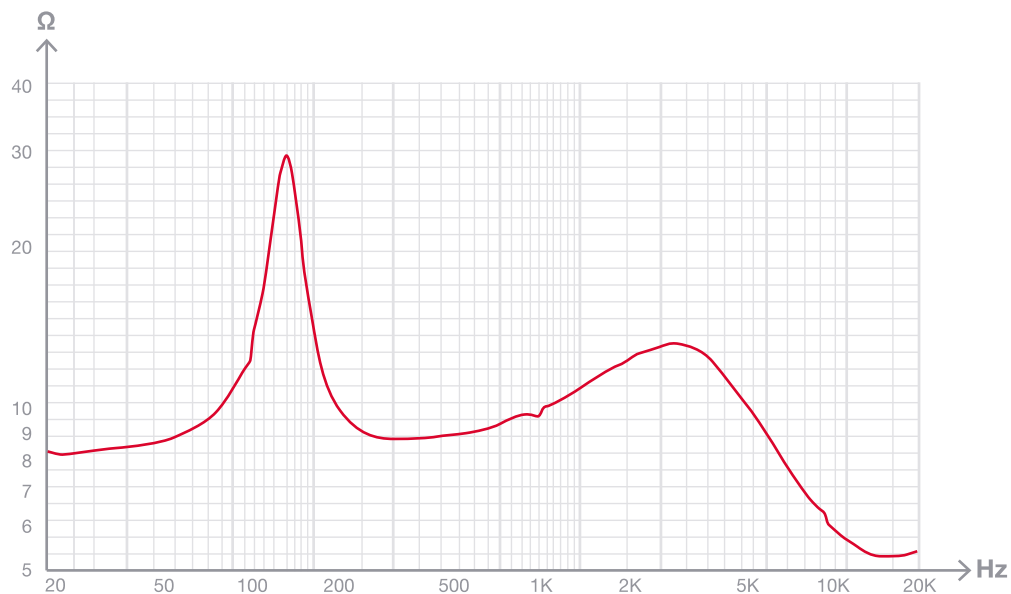
COVERAGE ANGLE	H/V (-6 dB) : 200°/200°@500 Hz, 135°/135°@1 kHz, 100°/120°@2 kHz, 60°/80°@4 kHz
PROTECTION	Type B (EN 54-24) IP-66 in compliance with EN 60529 IEC 60068-2-11 Enviromental tests (Salt mist)
MATERIAL	ABS 5VB (UV resistance) Aluminium mesh grille, with powder-coated finish Weather-resistant mount Stainless steel screws
SWITCH	W selector in high Z and low Z
CONNECTORS	Euroblock in and out for cable 0.25 – 2.5 mm² cross section
TEMPERATURE RANGE	-25°C ~ 70°C
COLOUR	Black (RAL 9005)
DIMENSIONS	Loudspeaker: 162 x 263 x 147 mm depth Mount wall plate: 68 x 110 mm Loudspeaker with mount: 216 mm depth
WEIGHT	2.2 kg
ACCESSORIES	Adjustable fixing mountt ± 60° in all directions. Steel safety cable



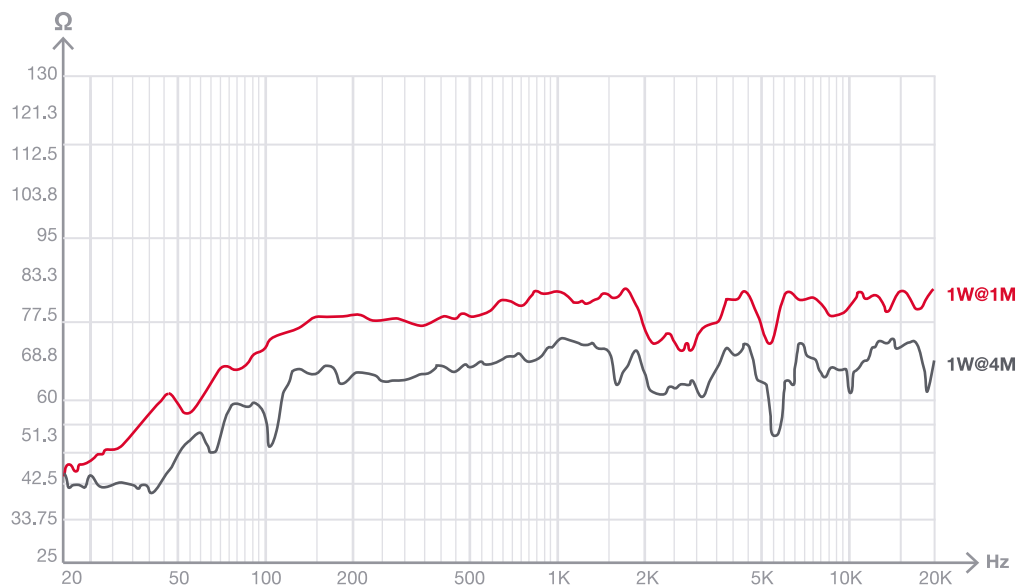
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Impedance vs Frequency



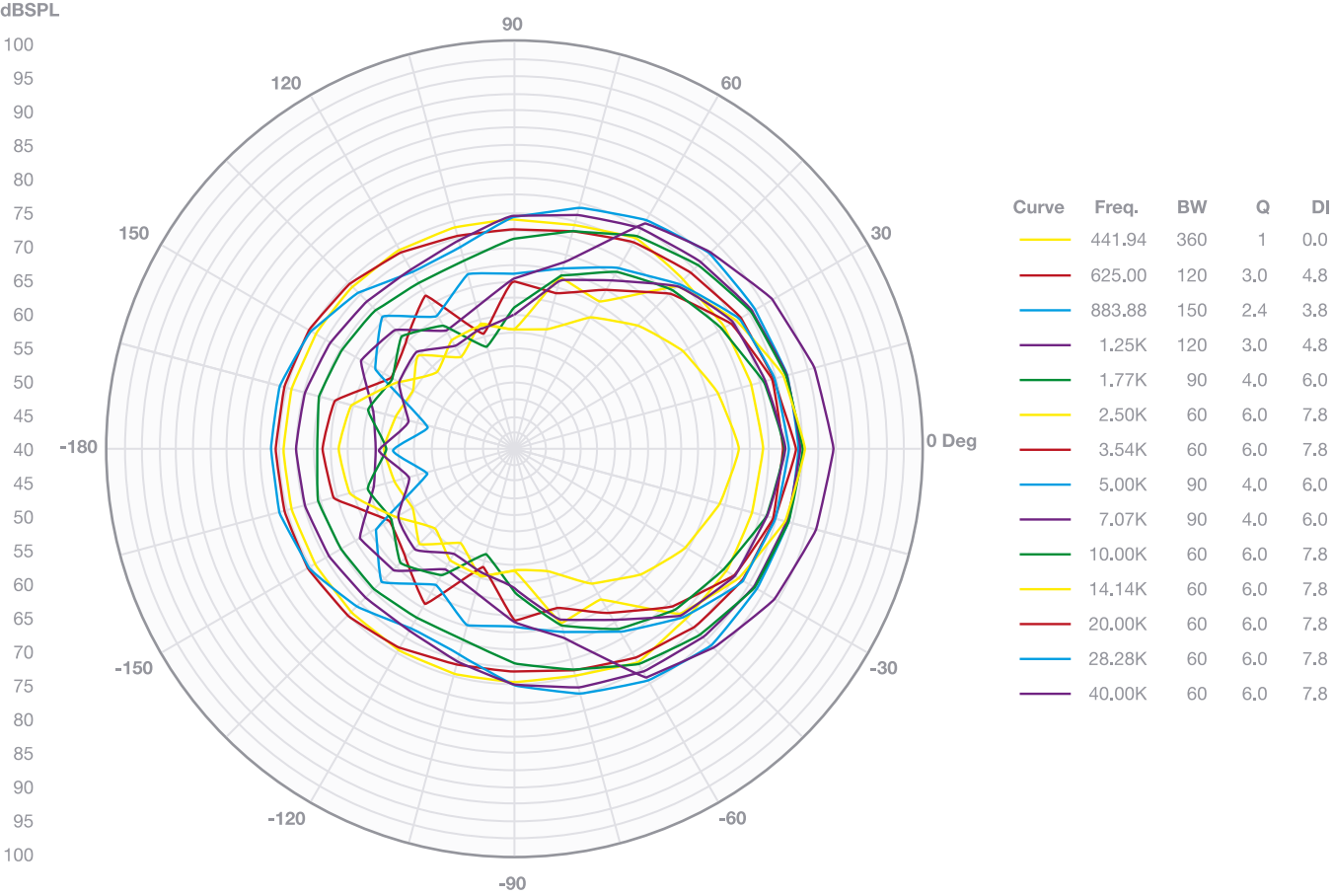
SPL vs Frequency



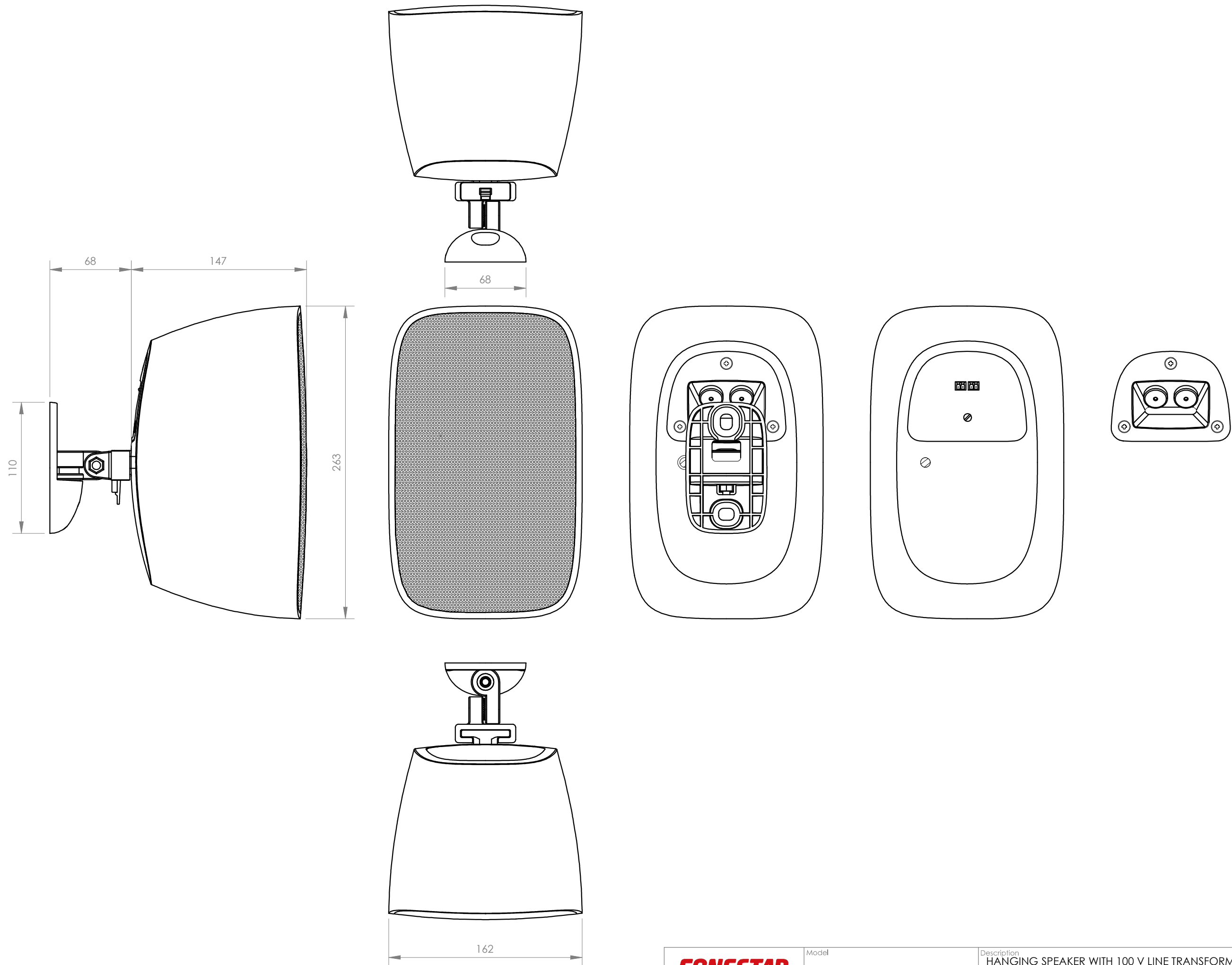
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SPL vs Angle



+ Info
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FONESTAR	Model	Description	Units	Scale
	SONORA-5TN-EN	HANGING SPEAKER WITH 100 V LINE TRANSFORMER AND LOW IMPEDANCE IN COMPLIANCE WITH EN 54	mm	1:3