

# HS-8 T

## Horn Speaker 8 W



### Main features

- Robust industrial technology
- Sturdy and robust design
- Completely closed housing
- Ingress protection IP67

The horn speakers from the HS-8 T series are used together with the INDUSTRONIC communication and public address system. They are especially designed for use in environments with high temperature. The completely closed housing protects the speakers against the ingress of dirt and dust from behind.

### Mechanical data

• Housing	Aluminum
• Diameter x length	Ø 124 mm x 141 mm (Ø 5" x 5 1/2")
• Cable gland	M20
• Ingress protection	IP67
• Weight	approx. 1.5 kg (approx. 3 1/4" lb)
• Color	Grey (RAL 7031)
• Mounting	Stainless steel bracket

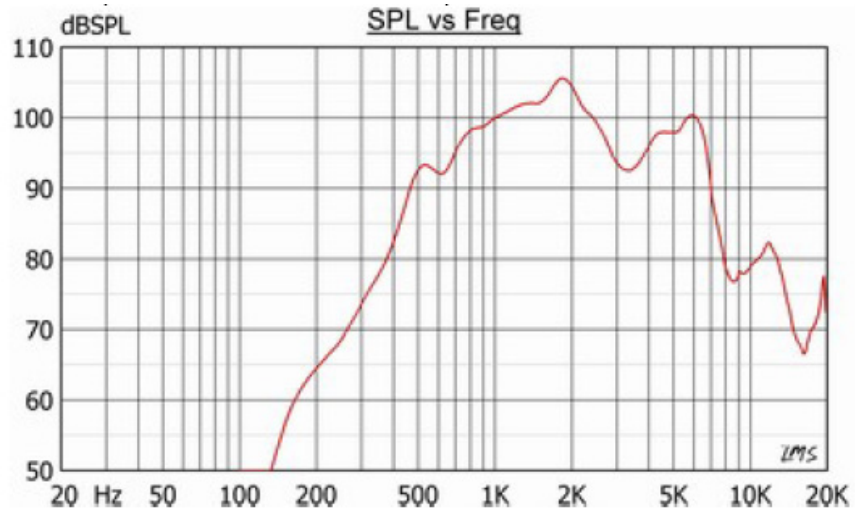
### Electrical data

• Rated power	8 W
• Transformer tapings	100 V: 8 W / 4 W / 2 W
• Sound pressure level 1 W, 1 m	103 dB +/-3 dB
• Sound pressure level 8 W, 1 m	111 dB +/-3 dB
• Efficient frequency range	500 Hz to 6.000 Hz
• Dispersion -6 dB	1 kHz : 150°, 4 kHz: 45°

### Environmental requirements

• Ambient temperature during operation	-50 °C to +150 °C (-58 °F to 302 °F)
• Humidity	max. 95 %

### Frequency diagram



### Measurement conditions

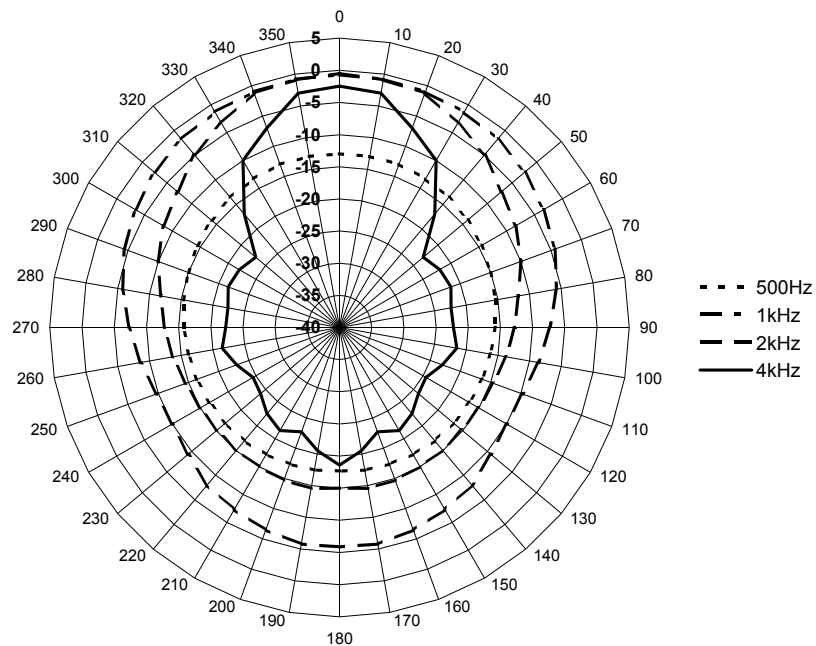
Sound pressure level (SPL): 1 W / 1 m

Pink noise: 1/3 octave filter

### Output level related to distance

P <sub>max</sub> :	Level (dB) at	(-6 dB)	(-12 dB)	(-16 dB)	(-18 dB)	(-22 dB)	(-24 dB)	(-26 dB)	(-28 dB)	
	8 W	1 m	2 m	4 m	6 m	8 m	12 m	16 m	20 m	25 m
		111	105	99	95	93	89	87	85	83

### Polar diagram



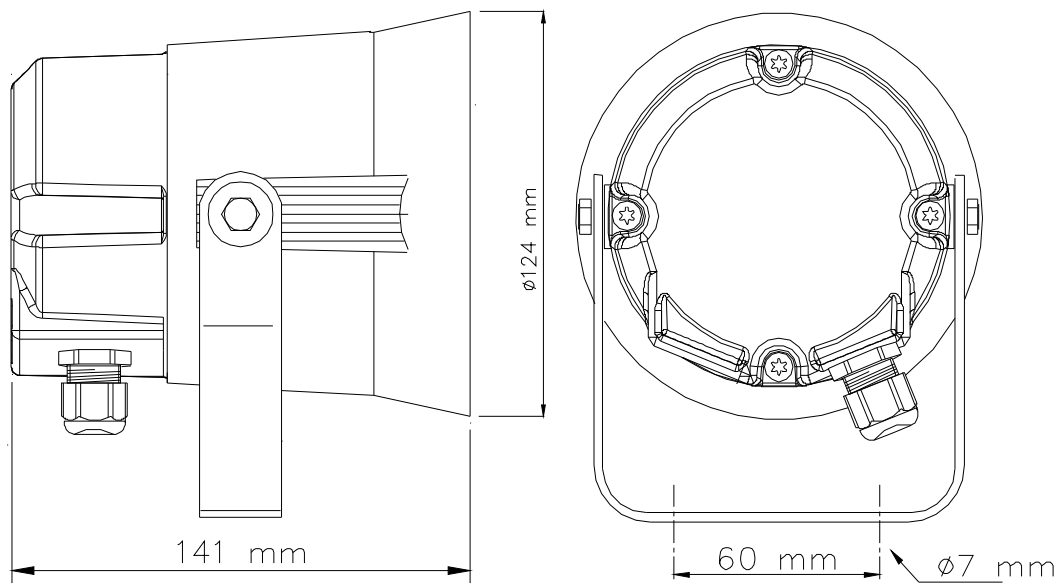


Figure 1: Dimensional drawing HS-8 T

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