

DK 15 PP EN54

Weatherproof Horn Speaker



Features and Functions

- Robust industrial technology
- Sturdy and robust design
- Degree of protection IP 66
- Certified according to EN 54-24

The weatherproof horn speakers of the DK 15 PP EN54 series are used together with the INDUSTRONIC communication and public address system. These horn speakers comply with the high safety requirements of EN 54-24: 2008 and are therefore ideal for use in voice alarm systems.

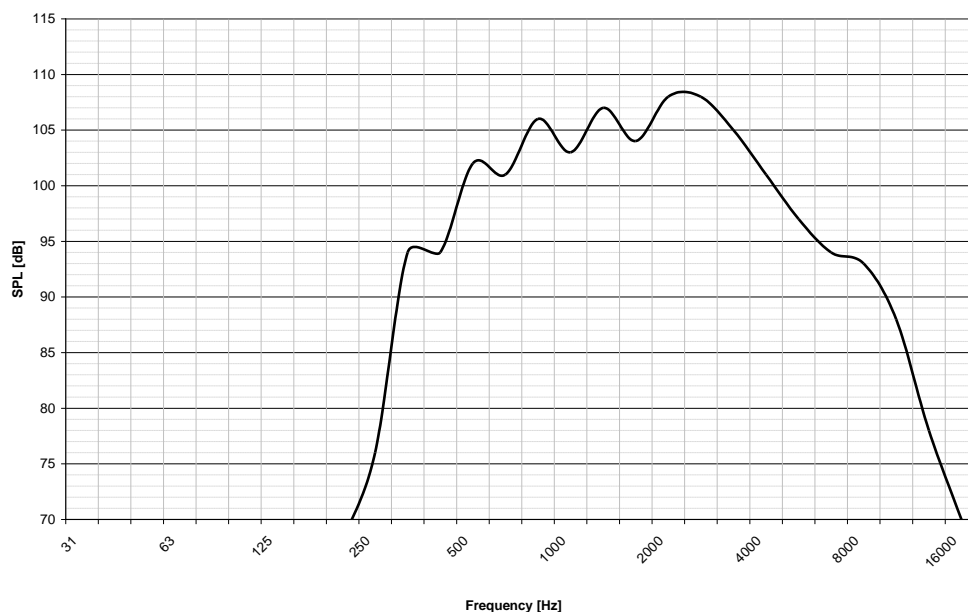
Mechanical Data

• Housing	ABS plastic
• Dimensions (diameter / depth)	Ø 208 mm / 272 mm (8 1/4" / 10 3/4")
• Cable entries	Ø 2 x 21 mm (2 x 3/4")
• Cable glands	2 x 12.7 mm (2 x 1/2")
• Connection	Screw terminals
• Weight	1.9 kg (approx. 4,20 lb)
• Color	Gray (RAL 7035)

Electrical Data

• Rated power	15 W
• Transformer tapplings	100 V: 15 W / 7.5 W / 3.75 W / 1.87 W
• Sound pressure level 1 W, 1 m	108 dB +/- 3 dB
• Sound pressure level 15 W, 1 m	120 dB +/- 3 dB
• Effective frequency range	460 Hz to 9.000 Hz
• Dispersion angle -6 dB	1 kHz: 110°; 4 kHz: 30°

Frequency diagram



Measurement conditions

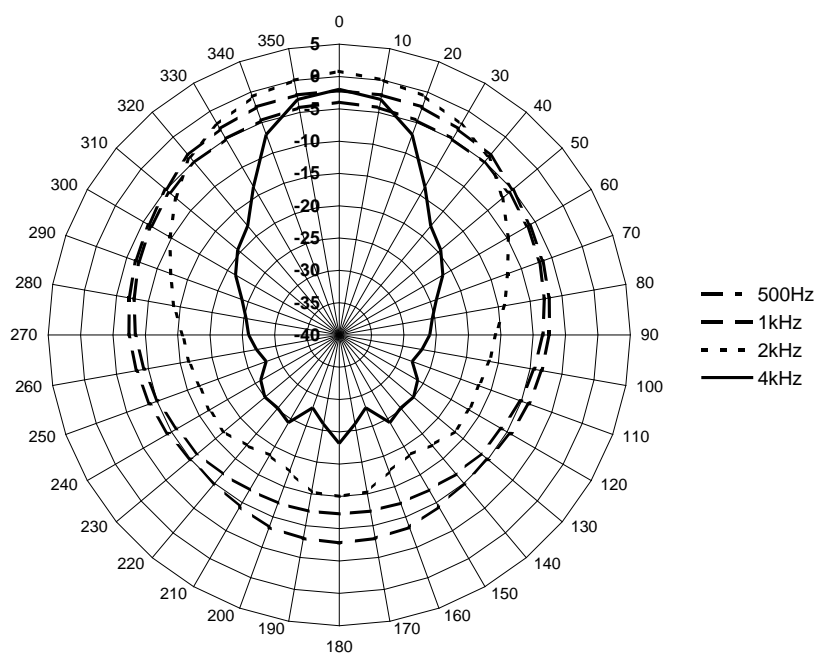
Sound pressure level (SPL): 1 W / 1 m

Pink noise: 1/3 octave filter

Output level related to distance

P _{max} :	Level (dB) at	(-6 dB)	(-14 dB)	(-20 dB)	(-23 dB)	(-26 dB)	(-28 dB)	(-29 dB)	(-36 dB)
	15 W	1 m	2 m	5 m	10 m	15 m	20 m	25 m	30 m
	120	114	106	100	97	94	92	91	84

Polar diagram



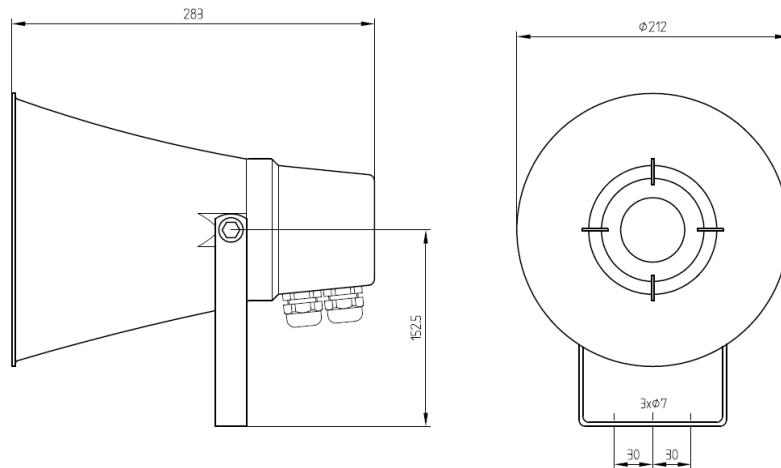


Figure 1: Dimensional drawing DK 15 PP EN54

Environmental Requirements and Standards

• Ambient temperature during operation	-30 °C to +60 °C (-4 °F to 140 °F)
• Humidity	Max. 95 %
• Ingress protection	IP66
• Certification	EN 54-24: 2008

Order Data

Type Number

001-215-023

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Subject to technical modifications