

# ASH 125

## Acoustic Siren Horn



Picture shows 2 x 1 ASH 125 with 180° setup

### Features and Functions

- **Wide audio bandwidth for broadcasting of speech and alarm tones**
- **Robust industrial technology, sturdy design**
- **Seawater-resistant aluminum**
- **Extremely high efficiency dB / W**
- **Up to 120.9 dB(C) / 30 m (32.8 yd) with 2-Line-0° setup**
- **Multiple setups with 1 up to 8 siren horns per construction**
- **Integrated transformer for 100 V system**

The acoustic siren horn can be used as an electronic siren for alarms and voice announcements. They are especially designed for areas with high ambient noise levels. They can be operated together with the INDUSTRONIC communication and public address system INTRON-D *plus*.

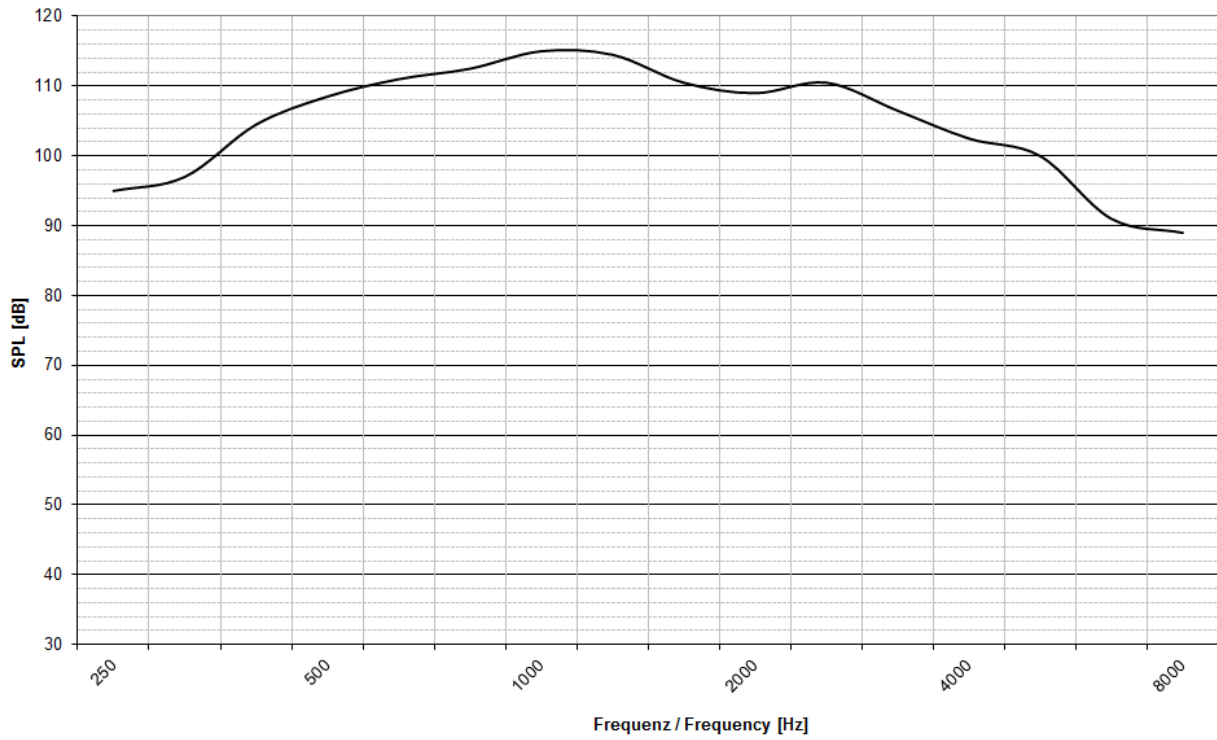
### Mechanical Data 1 ASH 125

• Housing	Aluminum ALSi7Mg0,35F
• Width x height x depth	180 mm x 641 mm x 610 mm (7.1" x 25.2" x 24")
• Color	Silver
• Weight	11 kg (24.3 lbs)
• Mounting	Siren mast (Bolt circle diameter: 156 mm (4.3"))

### Electrical Data 1 ASH 125

• Rated power	125 W
• Transformer	100 V / 150 VA
• Sound pressure level at 125 W / 1 m	133 dB (+/-3 dB)
• Effective frequency range	275 Hz to 7,000 Hz

Frequency Diagram 1 ASH 125 at 1 W / 1 m



Examples for Mounting Options with Maximum amount of Siren Horns

Omni-directional 1  
(180°)



Omni-directional 2  
(360°)



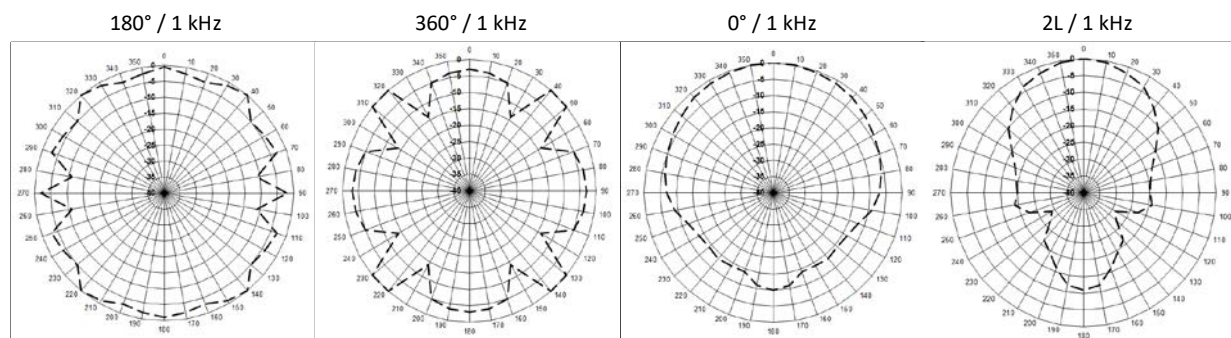
Directional 1  
(0°)



Directional 2  
(2-Line-0°)



## Horizontal Polar Plots



## On Axis Sound Pressure Level Related to Distance / 1 KHz / ± 3dB

Level Distance	(0 dB)	(-6 dB)	(-12 dB)	(-18 dB)	(-24 dB)	(-30 dB)	(-36 dB)	(-42 dB)	(-48 dB)
	1 m	2 m	4 m	8 m	15 m	<b>30 m</b>	60 m	120 m	240 m
<b>180° 8 x 125 W</b>	144.7 dB	138.7 dB	132.7 dB	126.7 dB	120.7 dB	<b>114.7 dB</b>	108.7 dB	102.7 dB	96.7 dB
<b>360° 8 x 125 W</b>	144.7 dB	138.7 dB	132.7 dB	126.7 dB	120.7 dB	<b>114.7 dB</b>	108.7 dB	102.7 dB	96.7 dB
<b>0° 4 x 125 W</b>	145 dB	139 dB	133 dB	127 dB	121 dB	<b>115 dB</b>	109 dB	103 dB	97 dB
<b>2-Line-0° 8 x 125 W</b>	150.9 dB	144.9 dB	138.9 dB	132.9 dB	126.9 dB	<b>120.9 dB</b>	114.9 dB	108.9 dB	102.9 dB

### Environmental Requirements and Standards

- Ambient temperature during operation: -50 °C to +70 °C (-58 °F to +158 °F)
- Relative humidity (non-condensing): Max. 95 %
- Degree of protection: IP56

### Order Data

Type	Type Number
1 ASH 125	208-100-100
1 ASH 125/L8 with pre-wired 8 m connection cable 2 x 1.5 mm <sup>2</sup>	208-100-100/L8

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