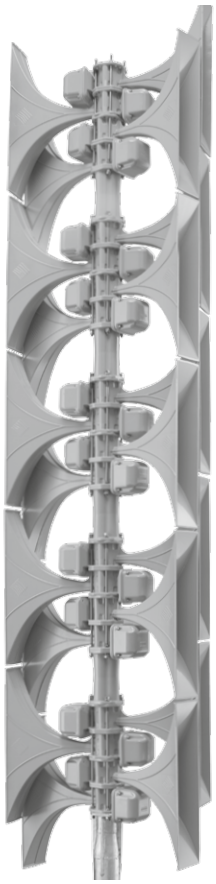
HÖRMANN Warnsysteme

WARNING AND NOTIFICATION

# Electronic Siren ECN 3000-D



**SIREN HEAD**
Siren head consisting of self-supporting siren horns in modular construction.

## SYSTEM

| | |
|---|---|
| Sound Pressure Level | 123 dB (A) / 30 m |
| Fundamental Frequency | 415 Hz / 425 Hz |
| Alarms (Warning Tones) | 15 (customized) |
| Messages (Pre-recorded Voice) | 15 (customized) |
| Voice Announcement | optional |
| Standby Time | 10 days |
| Battery Capacity without charge | 18 minutes |

## SIREN HEAD

| | |
|---|---|
| Number of Horns / Drivers | 20 |
| Weight Siren Head | 152 kg |
| Head Dimension (W x H x D) | 280 x 3550 x 840 mm |
| Windload at 160 km/h | 2650 N |
| Material of Horns | Aluminium (Alloy) |

## SIREN CABINET

| | |
|---|---|
| Number of Class-D Amplifiers | 10 |
| Mains Power Supply | 230 VAC or 110 VAC +/-10% |
| Operating Voltage / Batteries | 24 VDC |
| Maximum Charging Current | 2,2 A |
| Solar Power Supply | optional / on request |
| Local Activation and Control | Foil Keypad with LCD (Display) |
| Cabinet Dimensions (W x H x D) | 600 x 600 x 350 mm |
| Cabinet Design | Stainless Steel or Powder Coated |
| Protection Class | IP66 |
| Weight incl. Batteries | 86 kg |
| Cabinet Ambient Temperature Range | -25° +65°C |

Specifications are subject to change without notice.

**SIRENEN CABINET**
Compact and clearly designed, based on 19“ plug-in technology and modular construction. Robust assemblies with long design life guarantee maximum reliability.

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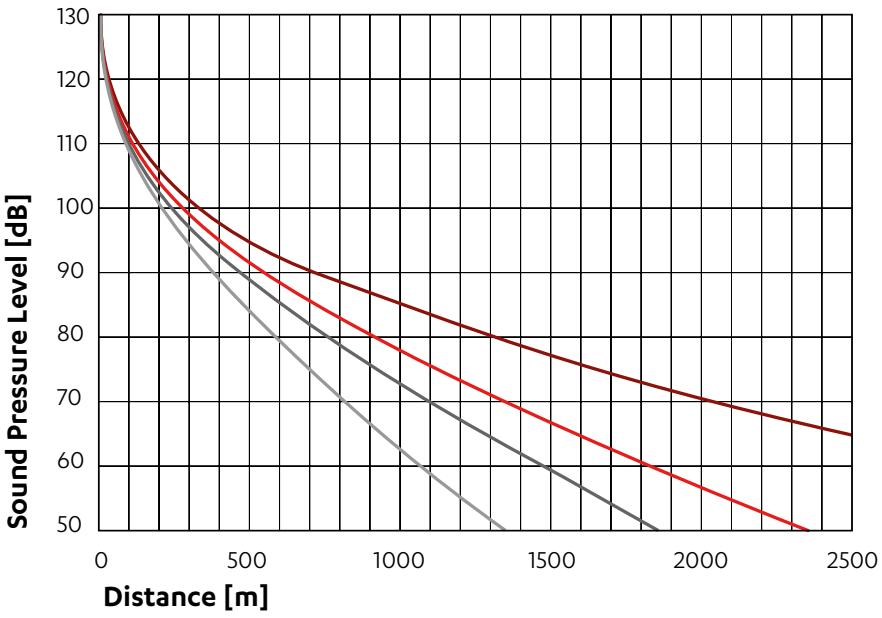
## TARGETED COVERAGE THROUGH DIRECTIONAL SIREN INSTALLATION

Unidirectional sirens enable targeted sound coverage exactly where it is needed. Through flexible alignment of sound emission, specific areas can be precisely reached and the warning effect can be optimally controlled. This ensures effective alerting even in complex urban or topographically challenging environments.

## VERTICAL SOUND PROPAGATION

The ECN siren horn is a specific development with exponential increase of the horn´s cross sectional surface, to propagate alarms and messages with high sound intensity. This special horn design assures optimum propagation of the sound wave within the horn, is widely in use, thoroughly tested and has proven the high perception by the public.

## PROPAGATION OF SOUND PRESSURE LEVEL (SPL)




- Slightly populated area
  additional attenuation/100 m: 0,8 dB
- Low density area
  additional attenuation/100 m: 1,5 dB
- Medium density area
  additional attenuation/100 m: 2,0 dB
- High density area
  additional attenuation/100 m: 3,0 dB

Advice for planning: All values shown in the diagram should be understood as indicative values for theoretical planning.