TH-100-EN54

PRODUCT DESCRIPTION

The boundary horn speaker TH-100-EN54 has been developed for areas with extreme high ambient noise and is suitable for indoor and outdoor application, such as tunnels. It is built to withstand the corrosive atmospheric contaminants, high moisture levels and temperature extremes. The horn provides an enormous sound pressure level, a very balanced frequency response and also a very low distortion. The TH-100-EN54 with a flame retardend ABS plastic housing in RAL 7023 (concrete grey) and IP 66 protection is also equipped with ceramic block and thermal fuse. The high quality 100 W horn driver offers a high performance CCAR voice coil.

Sturdy installation by rust-free V5A stainless steel brackets and screws. Two mounting options are available: TH-100-WH offers 4 single mounting brackets and the premium mounting kit TH-100-PH enables the installation by only one person. This horn speaker provides intelligible voice notifications over greater distances, resulting in a decreased number of loudspeakers which are required. The product is a certified Voice Alarm speaker according EN 54-24 and there is no additional equalizer needed to meet the frequency response requirements according EN 54-24.

CHARACTERISTICS

- High sound pressure level
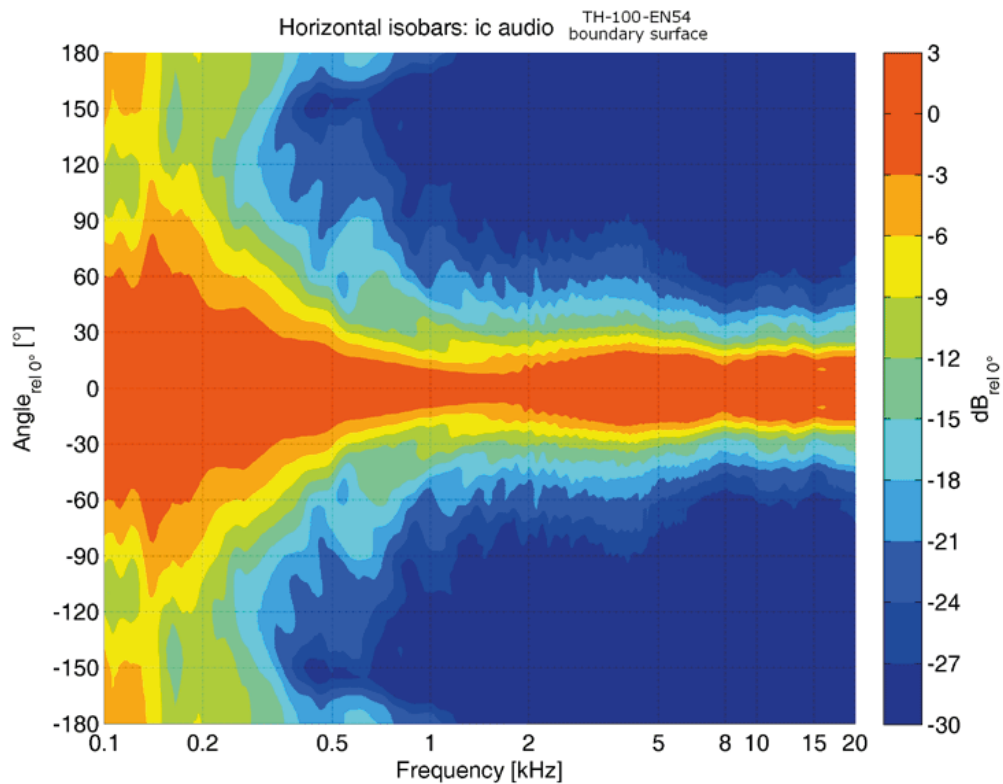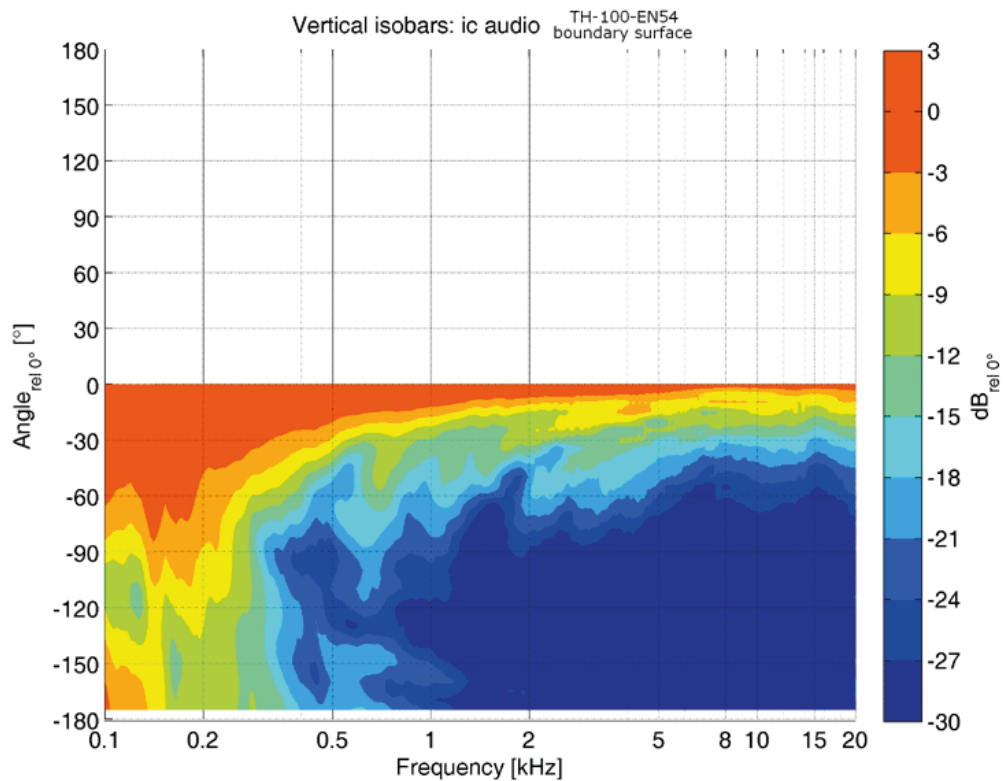- Weather proof
- BS 5839

CERTIFICATIONS

EN 54-24:2008
Ref. Nr.: 01T-15
ID-Code: SAA-TH01 1438/CPR/0481

ic audio GmbH, Boehringerstraße 14a, D-68307 Mannheim, Germany
CE-Symbol gemäß Richtlinie 93/68EWG

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POLAR DIAGRAMS

Vertical isobars: ic audio — TH-100-EN54 boundary surface

Horizontal isobars: ic audio — TH-100-EN54 boundary surface

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FREQUENCY RESPONSE DIAGRAMS

TECHNICAL DATA (ELECTRICAL)

- Description: TH-100-EN54
- Power: 100/50/25W
- Frequency Range: 280 - 9.000 Hz
- Frequency Response: 250 - 10.000 Hz
- SPL 1W/1m, peak: 119,0 dB
- SPL , 1W/4m, peak: 107,0 dB
- SPL Pmax/4m, peak: 127,0 dB
- Sensitivity EN54-24, 1W/4m: 102,9 dB
- Dispersion -6dB, 500Hz: h=58° v=28°
- Dispersion -6dB, 1KHz: h=28° v=17°
- Dispersion -6dB, 2KHz: h=38° v=12°
- Dispersion -6dB, 4KHz: h=54° v=10°

TECHNICAL DATA (MECHANICAL)

- Dimensions: 1228 x 413 x 832 mm
- IP Rating: IP66
- Weight (net): 18,6 kg
- Temperature range: -20 / +90 °C
- Mounting: Mounting brackets
- Connector: 4-pin ceramic block
- Colour: RAL 7023 (concrete grey)

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