The LBC 3470/00 is a 15 W high-efficiency circular horn loudspeaker, providing excellent speech reproduction and sound distribution for a wide scope of indoor and outdoor applications. It is ideal for sports grounds, parks, exhibition areas, factories and swimming pools. The horn is made from ABS and finished in light gray (RAL 7035).

**Certifications and approvals**

All Bosch loudspeakers are designed to withstand operating at their rated power for 100 hours in accordance with IEC 268-5 Power Handling Capacity (PHC) standards. Bosch has also developed the Simulated Acoustical Feedback Exposure (SAFE) test to demonstrate that the speakers can withstand two times their rated power for short durations. This ensures extra reliability under extreme conditions, leading to greater customer satisfaction, longer operating life, and much less chance of failure or performance deterioration.

**Installation/configuration notes**

**Mounting**
The horn loudspeaker is standard supplied with a sturdy adjustable mounting bracket, allowing the sound beam to be accurately directed.

**Simple power setting**
The horn loudspeaker includes a 100 V transformer with taps on the primary winding to allow different power settings. Nominal full-power, half-power or quarter-power radiation (i.e. in 3 dB steps) can easily be selected by connecting the amplifier output to the appropriate tap. A 500 mm (19.68 in) long four-core
cable is fitted to the horn. Each core has a different color, which is connected to one of the primary taps on the transformer.

Dimensions in mm (in)

Installation

Circuit diagram

Frequency response

Parts included

1  LBC 3470/00 Horn Loudspeaker

Technical specifications

Electrical*:
- Maximum power: 22.5 W
- Rated power (PHC): 15 W
- Power tapping: 15 / 7.5 / 3.75 W
- Sound pressure level at 15 W / 1 W (1 kHz, 1 m): 115 / 103 dB (SPL)
- Effective frequency range (-10 dB): 500 Hz to 5 kHz
- Opening angle at 1 kHz / 4 kHz (-6 dB):
  - Horizontal: 130°
  - Vertical: 50°
- Rated input voltage: 100 V
- Rated impedance: 667 Ohm
- Connection: 4-wire cable. Length: 500 mm (19.68 in)

* Technical performance data acc. to IEC 60268-5

Mechanical:
- Dimensions (W x D): (213 x 186) x 310 mm (8.39 x 7.32) x 12.2 in
- Weight: 1.5 kg (3.30 lb)
- Color: Light gray (RAL 7035)
- Material (horn / rear cover): ABS
Environmental

<table>
<thead>
<tr>
<th>Environmental Parameter</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature</td>
<td>-25 ºC to +55 ºC (-13 ºF to +131 ºF)</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-40 ºC to +70 ºC (-40 ºF to +158 ºF)</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>&lt;95%</td>
</tr>
</tbody>
</table>

Ordering information

**LBC 3470/00 Horn Loudspeaker**

Horn loudspeaker 15 W, circular, ABS material, water and dust protected according IP65, fixed 0.5 m, 4-wire connection cable, light gray RAL 7035.

Order number **LBC3470/00**