Bosch high-efficiency horn loudspeakers provide excellent speech reproduction and sound distribution for a wide scope of outdoor applications. They are ideal for sports grounds, parks, exhibitions, factories and swimming pools.

The LBC 3482/00 is a circular 25 W horn loudspeaker, measuring 355 mm (14 in) in diameter. It is made from aluminum. The edges of the horn are covered with a PVC profile for protection against impact damage. It is light gray (RAL 7035) and is water and dust protected.

**Voice alarm loudspeaker**
The LBC 3482/00 is designed for use in voice alarm systems and is compliant with emergency standards. The horn loudspeaker has built-in protection to ensure that, in the event of a fire, damage to the loudspeaker does not result in failure of the circuit to which it is connected. In this way, system integrity is maintained; ensuring loudspeakers in other areas can still be used to inform people of the situation. The horn loudspeaker has a ceramic terminal block, thermal fuse and heat resistant, high-temperature wiring. They have provision for inside mounting the optional line/loudspeaker supervision boards.

### Functions

- High efficiency driver
- Excellent speech reproduction
- Provision for inside mounting of the optional line/loudspeaker supervision board
- Water-and dust protected to IP 65
- EN 54-24 certified

### 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 they can withstand two times their rated power for short durations. This ensures extra reliability under extreme conditions, leading to higher customer satisfaction, longer operation life, and much less chance of failure or performance deterioration.
Simple Power Setting
The horn has a three-way terminal block with screw connection (including earth). Three primary taps are provided on the matching transformer to allow selection of nominal full-power, half-power or quarter-power radiation (in 3 dB steps).

Mounting
The horn loudspeakers are supplied, complete with sturdy adjustable steel mounting brackets, allowing the sound beam to be accurately directed.
4000 Hz  99.4  -  -  
8000 Hz  87.8  -  -  
A-weighted  -  100.1  113.0  
Lin-weighted  -  99.8  111.8  

Octave band opening angles

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>Horizontal</th>
<th>Vertical</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>250</td>
<td>360</td>
<td>360</td>
</tr>
<tr>
<td>500</td>
<td>120</td>
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<td>1000</td>
<td>75</td>
<td>75</td>
</tr>
<tr>
<td>2000</td>
<td>43</td>
<td>43</td>
</tr>
<tr>
<td>4000</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>8000</td>
<td>22</td>
<td>22</td>
</tr>
</tbody>
</table>

*Acoustical performance specified per octave*
- (all measurements are done with a pink noise signal, the valuels are in dBSPL)

Specified active equalization, required for EN54-24

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## Parts included

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LBC 3482/00 Horn Loudspeaker</td>
</tr>
<tr>
<td>1</td>
<td>PG 13.5 cable gland (fitted)</td>
</tr>
</tbody>
</table>

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## Technical specifications

### Electrical*

- Maximum power: 37.5 W
- Rated power: 25 / 12.5 / 6.25 W
- Sound pressure level at 25 W / 1 W (1 kHz, 1 m): 121 dB / 107 dB (SPL)
- Sound pressure level at 25 W / 1 W (1 kHz, 4 m): 109 dB / 95 dB (SPL)

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### Acoustical performance

- Effective frequency range (-10 dB): 550 Hz to 5 kHz
- Opening angle at 1 kHz/4 kHz (-6 dB): 75° / 25°
- Rated voltage: 100 V
- Rated impedance:
  - 25 W: 400 Ohm
  - 12.5 W: 800 Ohm
  - 6.25 W: 1600 Ohm

### Connector

- Screw terminal block

*Technical performance data acc. to IEC 60268-5

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### Mechanical

- Dimensions (L x Dmax): 425 x 355 mm (16.7 x 14 in)
- Weight: 3.6 kg (8 lb)
- Color: Light gray (RAL 7035)
- Cable diameter: 6 mm to 12 mm (0.24 in to 0.47 in)

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### Environmental

- Operating temperature: -25 °C to +55 °C (-13 °F to +131 °F)
- Storage and transport temperature: -40 °C to +70 °C (-40 °F to +158 °F)
- Relative humidity: <95%

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### Note:

- The specification data is measured in an anechoic chamber, free field
- The reference axis is perpendicular to the center point of the front grille
- The reference plane is perpendicular to the center of the reference axis
- The horizontal plane is perpendicular to the center of the reference plane

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**CE-label**
Ordering information

**Horn Loudspeaker 25W**
Horn loudspeaker 25 W, circular, 14", aluminum/ABS material, U-bracket mounting, water and dust protected IP 65, EN54-24 certified, light gray RAL 7035.
Order number **LBC3482/00**

**Accessories**

**LBC 3478/00 Horn, 14" without Driver**
Horn 14" without driver, aluminum material, for use with horn drivers LBC3472/00 (25 W), LBC3473/00 (35 W), and LBC3474/00 (50 W), light gray RAL 7035.
Order number **LBC 3478/00**

**Horn, 20", assembly part**
Horn 20" without driver, aluminum material, for use with horn drivers LBC3472/00 (25 W), LBC3473/00 (35 W), and LBC3474/00 (50 W), light gray RAL 7035.
Order number **LBC3479/00**

**DRIVER UNIT 25W (EVAC)**
Horn driver 25 W, for use with LBC3478/00 (14") or LBC3479/00 (20") horns, light gray RAL 7035.
Order number **LBC3472/00**

**DRIVER UNIT 35W (EVAC)**
Horn driver 35 W, for use with LBC3478/00 (14") or LBC3479/00 (20") horns, light gray RAL 7035.
Order number **LBC3473/00**

**Horn driver assembly, 50W**
Horn driver 50 W, for use with LBC3478/00 (14") or LBC3479/00 (20") horns, light gray RAL 7035.
Order number **LBC3474/00**