Large-Format Radial Reentrant Horns

**H20**

**H26**

**Features**
- Offered in Long-throw or Short-throw Option
- Choose 30-watt or 60-watt Output Drivers
- Available for 16-ohm or 70.7-volt Operation
- Aluminum Construction will not Rust

**Description**
Penton Audio USA large format reentrant radial horns are designed to provide communication in difficult environments. Each mate perfectly with the efficient Penton Audio PD series drivers producing the highest sound pressure levels (SPL).

Penton Audio horns accept 1-3/8" drivers with #18 threads and mate easily with most separate full-range drivers from other manufacturers. Their all metal design allows installation in most indoor or outdoor environments. The front bell edges are protected with a silicone (rubber-like) accessory that also helps eliminate unwanted bell resonance.

The medium throw H20 has a 20" diameter aluminum bell. It has an air column length of 41 inches. With a 26" diameter bell and an air column length of over 54", the H26 is not only considered a long-throw horn, but also able to reproduce lower frequencies than most similar horns.

**Application**
The H series horns are designed to be used with large-format compression drivers and permanently installed indoors or out. Included is a U-type bale-mount bracket with 3 holes evenly spaced at 15.20" (38.5 mm) from center.

Typical applications include combination with large compression drivers for ballparks, industrial property entry gates, school athletic fields, factories, park districts, fairgrounds, communication along city parade routes, air shows and similar sites.

**Specifications**
- **Dispersion**
  - H20: 80°
  - H26: 68°
- **SPL @ 1W 1M**
  - H20/PD30: 111 dB
  - H20/PD60: 113 dB
  - H26/PD30: 113 dB
  - H26/PD60: 115 dB
- **SPL @ FULL POWER @ 1M**
  - H20/PD30: 125 dB
  - H20/PD60: 130 dB
  - H26/PD30: 127 dB
  - H26/PD60: 132 dB
- **Low-Frequency Cut-Off**
  - H20: 180 Hz
  - H26: 160 Hz
- **Mouth Dimensions, Inch (MM):**
  - H20: 20.25 (515)
  - H26: 25.50 (648)
- **Air Column Length, Inch (M):**
  - H20: 40.8 (1.04)
  - H26: 54.2 (1.38)
- **Female Thread Connection:**
  - 1-3/8" - #18
- **Horn Material:**
  - Spun Aluminum
- **Driver Connection Material:**
  - Cast Aluminum
- **Supplied Mounting Accessories:**
  - Silicon Rubber Bell Gasket
  - Steel "U" Bracket
  - Chrome-plated Steel Hardware
- **Suggested Accessories:**
  - PD30 30-watt, 16-ohm driver
  - PD30T 30-watt, 70.7-volt driver
  - PD60 60-watt, 16-ohm driver
  - PD60T 60-watt, 70.7-volt driver
- **Finish:**
  - Dark Gray Baked-on Epoxy Paint
- **Dimensions, Inch (MM):**
  - H20: 20.25 x 16.00 (515 x 407)
  - H26: 25.50 x 21.25 (648 x 540)
- **Net Weight LBS (KGS):**
  - H20: 5.32 (2.41)
  - H26: 6.68 (3.03)
Unit shall be Penton Audio USA Model (H26/H20) or approved equal. Horn shall be a reentrant type and shall consist of a spun aluminum bell, screw-on, cast-aluminum driver connection and U-type, bale-mount bracket.

(H26 model shall have a mouth dimension of 25.50” air-column length of 54.20” and a horn cut-off frequency of 160 Hz.)

(H20 model shall have a mouth dimension of 20.25”, air-column length of 40.8” and a horn cut-off frequency of 180 Hz.)

Models shall provide screw mount for Penton PD Series drivers and include a silicone-rubber bell dampener.

<table>
<thead>
<tr>
<th>MODELS</th>
<th>DISPERSION</th>
<th>AIR COLUMN LENGTH</th>
<th>SPL @1W 1M</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>H20/PD30</td>
<td>80°</td>
<td>11.2” (28.5mm)</td>
<td>125dB</td>
<td>5.32LBS (2.41kg)</td>
</tr>
<tr>
<td>H26/PD60</td>
<td>68°</td>
<td>12.4” (31.5mm)</td>
<td>132dB</td>
<td>6.68LBS (3.03kg)</td>
</tr>
</tbody>
</table>

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