



The use of ordinary PA loudspeaker in places with high ambient noise such as in basement car parks, open air theme parks or in heavy machinery rooms proves to be insufficient to cut through the severe acoustic condition to get the message across to the listener. The RH Series aluminium paging horn loudspeakers provide an excellent solution to speech reproduction and sound distribution in such conditions.

Constructed from spun aluminium, the units are strong but lightweight and resistant to corrosion and UV light. They are dust and water protected to IP65 (in accordance to IEC 529), thus ideal for outdoor applications with harsh environmental conditions.

Available in three different models, the models are transformerised for 100 V / 70 V line distributed loudspeaker system and come with a swivel mounting bracket for final positioning adjustment.

- Compact paging horn loudspeaker, excellent for speech intelligibility and capable of producing high sound pressure levels, suitable for places with high ambient noise and long throw applications.
- Corrosion-free aluminium material and robust construction which is dust and water protected to IP65, comes equipped with a swivel mounting bracket and a 100 V / 70 V line matching transformer.
- Easy selectable power tapings via a multi-core cable.
- Frequency response of unit designed to emphasise on the vocal range for optimum speech intelligibility.



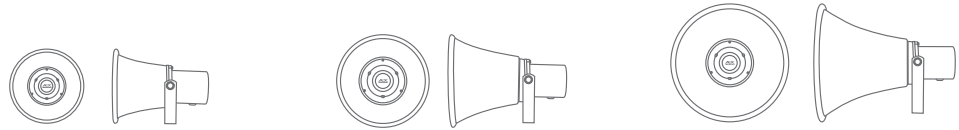
RH 103W



RH 085W



RH 061W

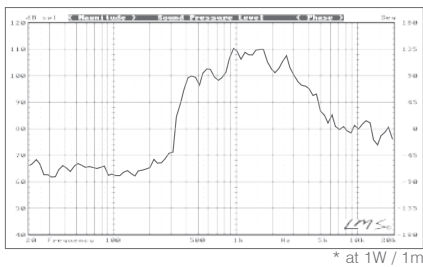


Technical Specifications

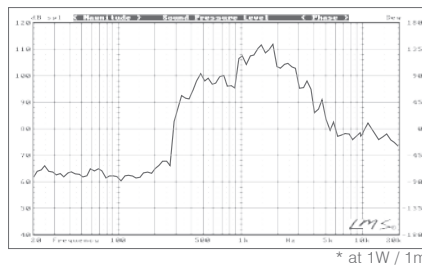
| | RH 061W | RH 085W | RH 103W |
|--------------------------------|--|---|--|
| Rated Input | 100 V : 10 W (10 - 5 - 2.5 W) 70 V : 5 W (5 - 2.5 - 1.25 W) | 100 V : 15 W (15 - 7.5 - 3.8 W) 70 V : 7.5 W (7.5 - 3.8 - 1.9 W) | 100 V : 30 W (30 - 15 - 7.5 W) 70 V : 15 W (15 - 7.5 - 3.8 W) |
| Maximum Power (100 V) | 15 W | 22.5 W | 45 W |
| Rated Impedance | 1 kΩ (1k - 2k - 4k Ω) | 670 Ω (670 - 1.3k - 2.7k Ω) | 330 Ω (330 - 670 - 1.3k Ω) |
| Sensitivity (1W / rated at 1m) | 110/120 dB | 112/124 dB | 115/130 dB |
| Coverage Angle (1 kHz, -6 dB) | 180° | 165° | 160° |
| Frequency Response | 315 Hz ~ 12.5 kHz | 280 Hz ~ 12.5 kHz | 250 Hz ~ 10 kHz |
| Safety | Acc. to EN 60065 | Acc. to EN 60065 | Acc. to EN 60065 |
| Dust & Water Protection | IP65 (acc. to IEC 529) | IP65 (acc. to IEC 529) | IP65 (acc. to IEC 529) |
| Material & Finish | Aluminium; Off White (RAL 9010) | Aluminium; Off White (RAL 9010) | Aluminium; Off White (RAL 9010) |
| Dimensions | Dia. 185 x 255 mm | Dia. 210 x 285 mm | Dia. 245 x 310 mm |
| Weight | 1.4 kg | 1.7 kg | 1.7 kg |

Frequency Response

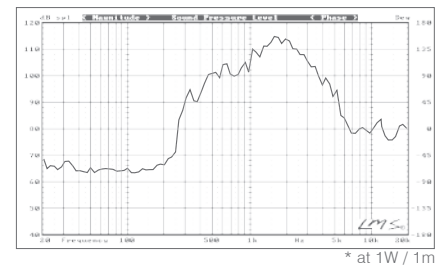
RH 061W



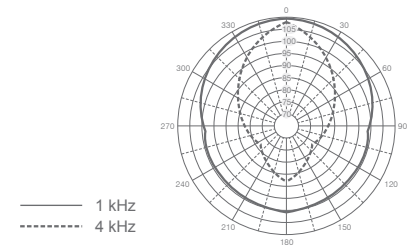
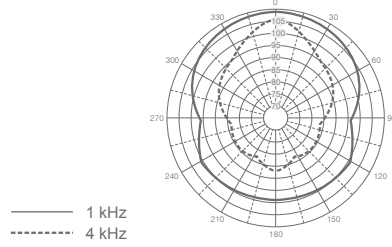
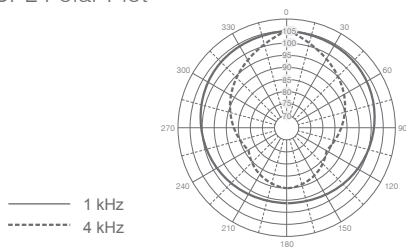
RH 085W



RH 103W



SPL Polar Plot



Engineers' Specifications

The aluminium paging horn loudspeaker unit shall be capable of handling up to 10 W / 15 W / 30 W at 100 V line input and producing a minimum SPL of 110 dB (RH 061W) / 112 dB (RH 085W) / 115 dB (RH 103W) at 1 W / m, 1 kHz. The unit shall have a useable frequency range of 315 Hz ~ 12.5 kHz (RH 061W) / 280 Hz ~ 12.5 kHz (RH 085W) / 250 Hz ~ 10 kHz (RH 103W) and shall have a radial coverage angle of 180 deg. (RH 061W) / 165 deg. (RH 085W) / 160 deg. (RH 103W).

The unit shall have an integrated line matching transformer with multiple tapping at 10 - 5 - 2.5 W (RH 061W) / 15 - 7.5 - 3.8 W (RH 085W) / 30 - 15 - 7.5 W (RH 103W) rated at 100 V line. The horn flare and enclosure shall be made from aluminium and shall be dust and water protected to IP65 (acc. to IEC 529). The weight of the unit shall not exceed 1.4 kg (RH 061W) / 1.7 kg (RH 085W) / 1.7 kg (RH 103W).

