



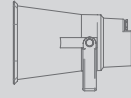
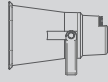
The use of ordinary PA loudspeaker in places with high ambient noise such as in basement car parks, open air theme parks or in heavy machinery rooms proves to be insufficient to cut through the severe acoustic condition to get the message across to the listener. The RH Series ABS paging horn loudspeakers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

Constructed from high impact ABS, the units are strong but lightweight and resistant to harsh environmental outdoor conditions. They are dust and water protected to IP65 (in accordance to IEC 529). The RH Series is ideal for both indoor and outdoor applications with harsh environmental

Available in two 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 high impact ABS 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 tapplings via a multi-core cable.
- Frequency response of unit designed to emphasise on the vocal range for optimum speech intelligibility.

**RH 082****RH 113**

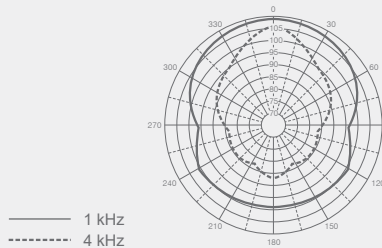
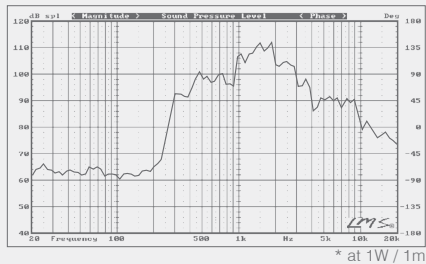


Technical Specifications

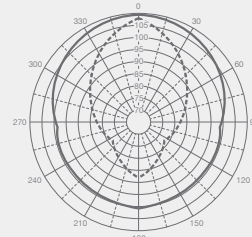
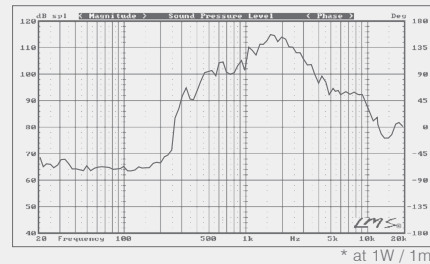
	RH 082	RH 113
Rated Input	100 V : 20 W (20 - 10 - 5 W) 70 V : 10 W (10 - 5 - 2.5 W)	100 V : 30 W (30 - 15 - 7.5 W) 70 V : 15 W (15 - 7.5 - 3.8 W)
Maximum Power (100 V)	30 W	45 W
Rated Impedance	500 Ω (500 - 1k - 2k Ω)	330 Ω (330 - 667 - 1.3k Ω)
Sensitivity (1W / rated at 1m)	113/125 dB	115/130 dB
Coverage Angle (1 kHz, -6 dB)	165°	160°
Frequency Response (-10dB)	250 Hz ~ 12.5 kHz	250 Hz ~ 10 kHz
Safety	Acc. to EN 60065	Acc. to EN 60065
Dust & Water Protection	IP65 (acc. to IEC 529)	IP65 (acc. to IEC 529)
Operating temperature	-25 °C to +55 °C	-25 °C to +55 °C
Material & Finish	ABS Off White	ABS Off White
Dimensions	165 x 220 x 240 mm	205 x 285 x 280 mm
Weight	1.48 kg	1.86 kg

Frequency Response

RH 082



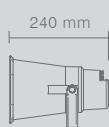
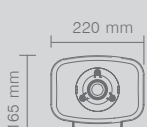
RH 113



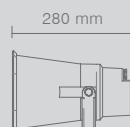
Engineers' Specifications

The ABS paging horn loudspeaker unit shall be capable of handling up to 20 W / 30 W at 100 V line input and producing a minimum SPL of 113 dB (RH 082) / 115 dB (RH 113) at 1 W / m, 1 kHz. The unit shall have a useable frequency range of 250 Hz ~ 12.5 kHz (RH 082) / 250 Hz ~ 10 kHz (RH 113) and shall have a radial coverage angle of 165 deg. (RH 082) / 160 deg. (RH 113).

The unit shall have an integrated line matching transformer with multiple tapping at 20 - 10 - 5 W (RH 082) / 30 - 15 - 7.5 W (RH 113) rated at 100 V line. The horn flare and enclosure shall be made from ABS and shall be dust and water protected to IP65 (acc. to IEC 529). The weight of the unit shall not exceed 1.48 kg (RH 082) / 1.86 kg (RH 113).



RH 082



RH 113