

HD 21EN

PLASTIC HORN SPEAKER

DESCRIPTION

HD 21EN is a plastic horn speaker suitable for broadcasting alarm messages thanks to the highly intelligible sound reproduction and its environmental resistance. The terminal connection blocks, for input and output flameproof cables, are made of ceramic material. A thermal fuse protects the integrity of the line in case of heat affecting the speaker. It can be easily aimed towards any direction through the adjustable wall-mount bracket, and thanks to its IP66 protection grade it can be installed both indoor and outdoor.



FEATURES

- 1.5" compression driver.
- Power selectable (100 V): 30 W – 15 W – 7.5 W – 3.75 W.
- 104 dB sensitivity.
- Colour grey RAL 7035.
- Plastic body.
- In/out ceramic terminal block.
- Thermal fuse protection.
- Protection grade IP66.

TECHNICAL SPECIFICATIONS

| | | |
|----------------------------------|-------------------------------|-------------------------|
| Acoustical specifications | Frequency Response (-10dB): | 340 Hz ÷ 9000 Hz |
| | Max SPL @ 1m: | 117 dB |
| | Max SPL @ 4m: | 105 dB |
| | Coverage angle: | 135° |
| | System Sensitivity: | 104 dB |
| | System Sensitivity 1W @ 4m: | 92 dB |
| Power section | Power Handling: | 30 W RMS |
| | Peak Power Handling: | 120 W PEAK |
| | Recommended Amplifier: | 60 W |
| | Protections: | Thermal fuse |
| Transducers | Compression Driver: | 1 x 1.5" |
| Input/Output section | Input connectors: | Ceramic screw terminals |
| | Output connectors: | Ceramic screw terminals |
| | Constant Voltage Transformer: | 100 V |
| | Power selection 1: | 30 W - 333 ohm |
| | Power selection 2: | 15 W - 667 ohm |
| | Power selection 3: | 7.5 W - 1333 ohm |
| Power selection 4: | 3.75 W - 2667 ohm | |
| Standard compliance | IP protection grade: | IP 66 |
| | EN54-24 certified: | Yes |
| | CE marking: | Yes |
| | CPR number: | 1488-CPR-0652/W |
| Physical specifications | Cabinet/Case Material: | ABS |
| | Hardware: | Stainless steel bracket |
| | Color: | Grey - RAL 7035 |
| Size | Height: | 212 mm / 8.35 inches |
| | Depth: | 280 mm / 11.02 inches |
| | Weight: | 2 kg / 4.41 lbs |
| Shipping informations | Package Height: | 220 mm / 8.66 inches |
| | Package Width: | 320 mm / 12.6 inches |
| | Package Depth: | 220 mm / 8.66 inches |
| | Package Weight: | 2 kg / 4.41 lbs |



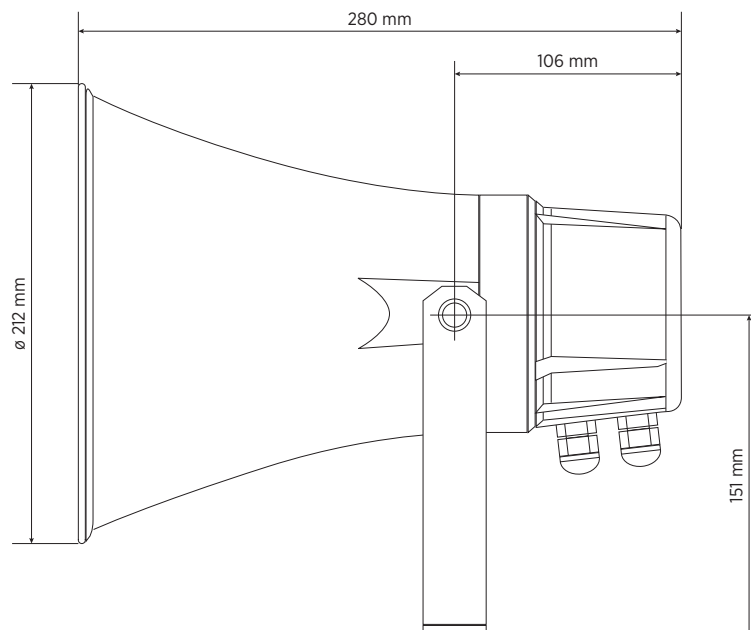
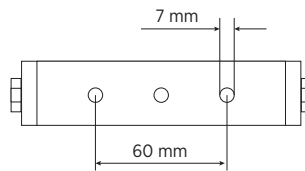
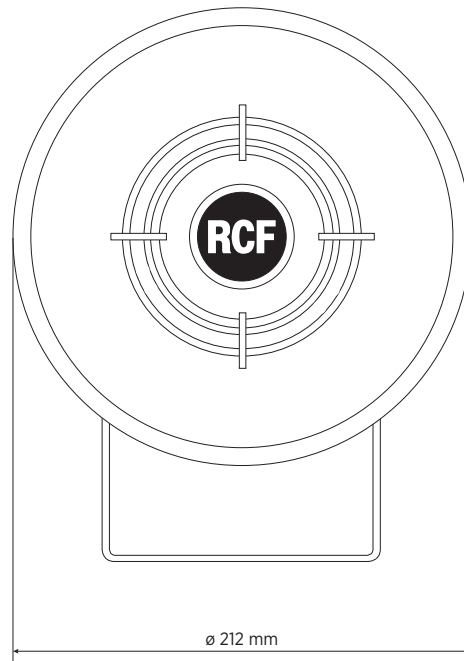
PART NUMBER

- **13133075**

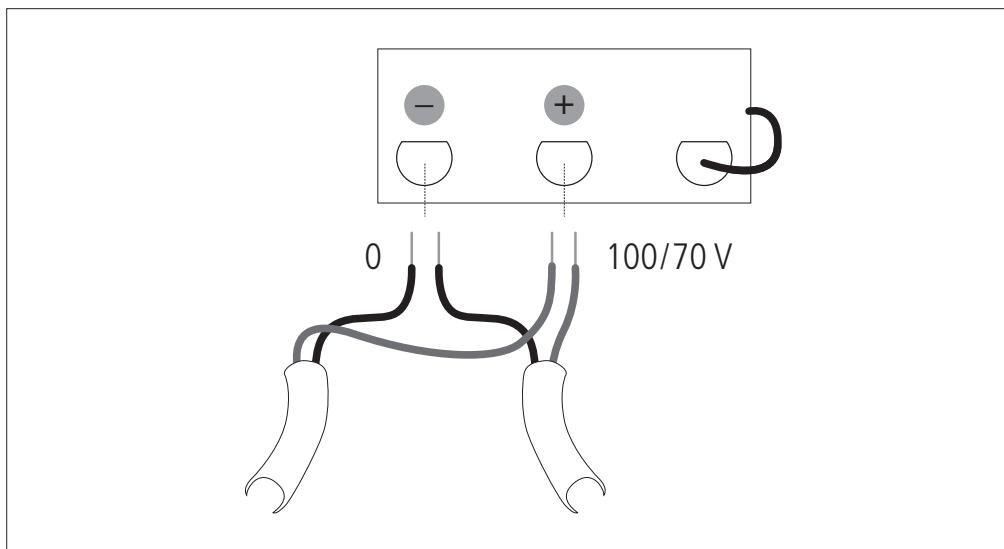
HD 21EN

EAN 8024530010461

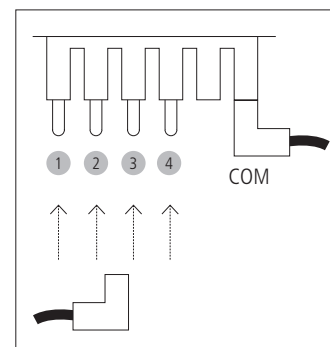
DRAWINGS

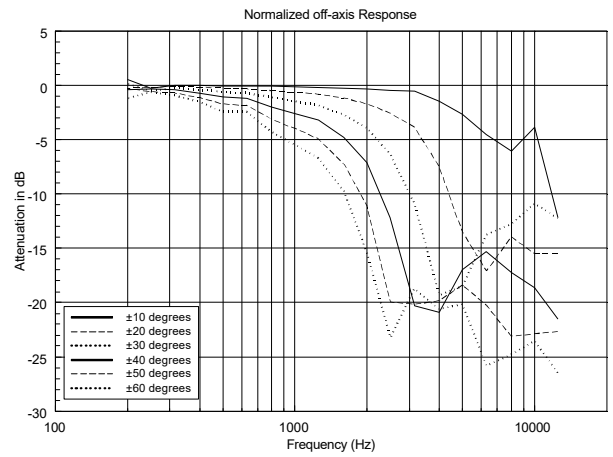
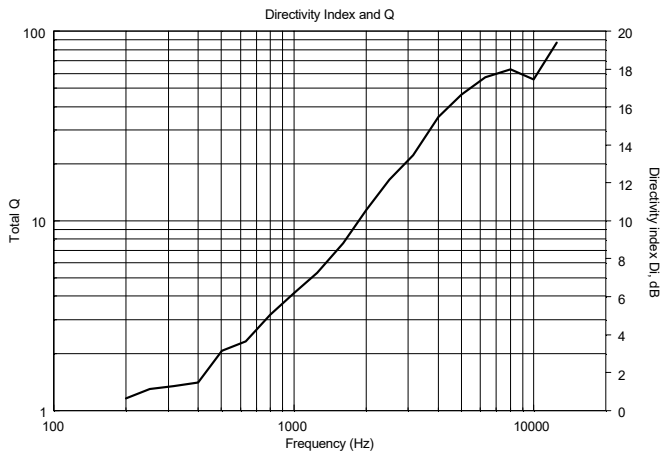
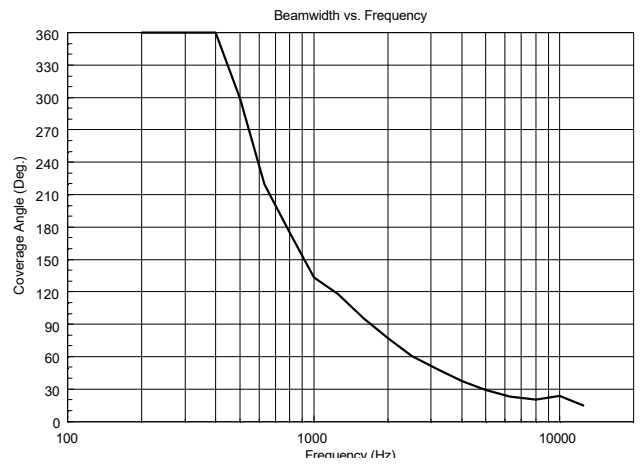
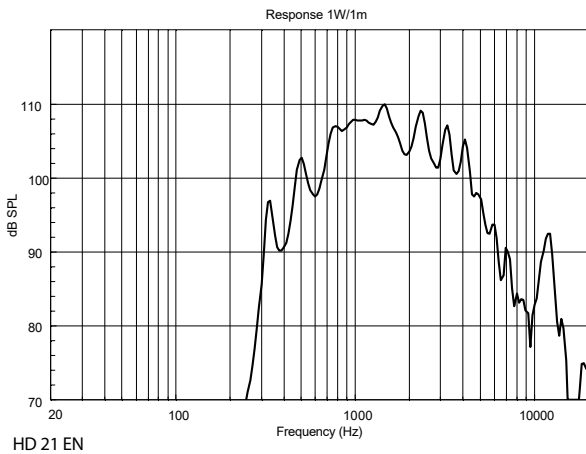


SCHEMATICS



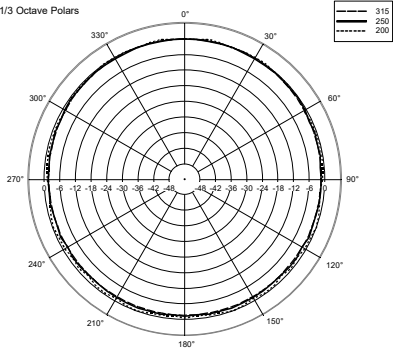
| TAPS | POWER (100 V) | POWER(70 V) |
|------|---------------|-------------|
| 1 | 3.75 W | 1.875 W |
| 2 | 7.5 W | 3.75 W |
| 3 | 15 W | 7.5 W |
| 4 | 30 W | 15 W |



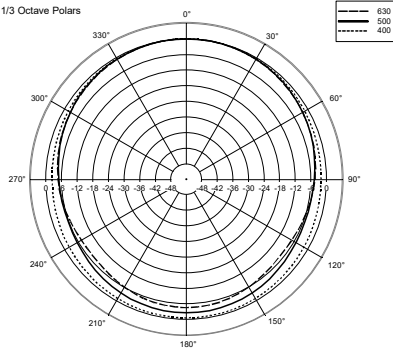


HORIZONTAL 1/3 POLAR PLOT

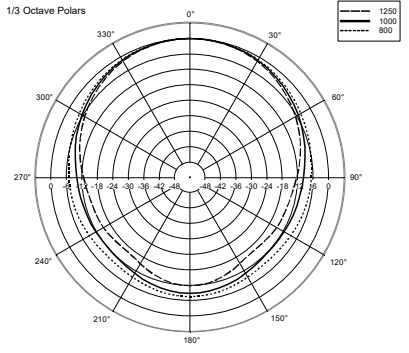
1/3 Octave Polars



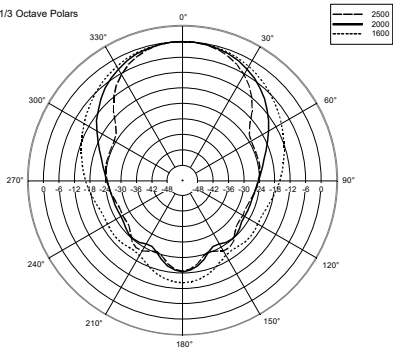
1/3 Octave Polars



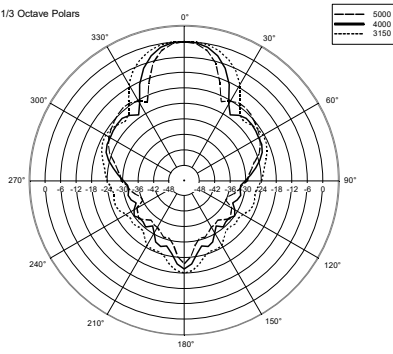
1/3 Octave Polars



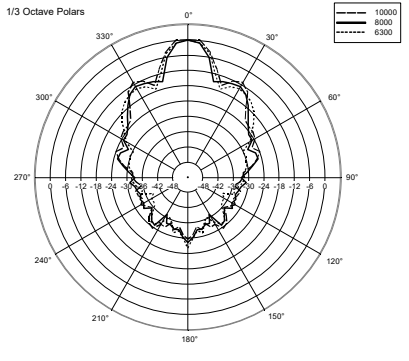
1/3 Octave Polars



1/3 Octave Polars



1/3 Octave Polars





ACCESSORIES

A&E SPECIFICATIONS

The product shall be a plastic horn speaker for alarm messages (and background music as well), thanks to the highly intelligible voice reproduction and the EN 54-24 certification.

It shall have IP66 protection grade for both indoor and outdoor installations.

It shall feature a ABS body and a stainless steel bracket support.

The terminal connection blocks, for input and output flameproof cables, shall be made of ceramic material. A thermal fuse shall protect the line integrity in case of heat affecting the speaker.

NOTES

NO CAUTION is NECESSARY in case of ALERTED PERSON for AUDIO voltages up to 120V, when warning symbols are present near the connection terminals. In the case of AUDIO voltages up to 71V, it is not even necessary to put warning symbols.

No need of linking to earth metal parts of speakers equipped with transformers and connected to 70.7 V / 100 V outputs of power amplifiers that do not have any reference to earth (ref. EN 62368-1 item 4.3.2.2), unless specific local requirements.
