

MANUAL



HM25-G

Introduction

The HM25-G is a powerful full metal weatherproof industrial horn loudspeaker with compression driver.

This hornspeaker offers you a high sound pressure ideally suited for speech and the reproduction of alarm signals. Ideal for long-distance and outdoor use.

The HM25-G housing is made of aluminum and is supplied with a aluminum bracket to avoid corrosion.

The loudspeaker is equipped with a high quality 100 volt transformer with three power taps, including a thermal overload cut-off switch and a ceramic connection terminal.

The APart technology avoids any overload of your amplifier by controlling the impedance with the unique IMC protection device inside. This circuit controls the speaker's impedance even beyond its nominal frequency range and thereby protects your 100 volt amplifiers from overloads.

Electric safety

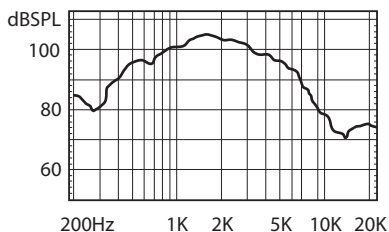
When required, connect the yellow/green earth wire to the earth connection of the electrical system. This is not the same as the speaker ground (black wire) ! Never connect the black speaker wire to the electric earth connection (yellow/green wire) ! The yellow/green wire is for additional electrical safety purposes only !

Speaker mounting

A aluminum mounting bracket for mounting is included in the packing.

The bracket allows you to rotate the speaker over a range of more than 180 degrees. Securely mount the bracket to a wall or other solid surface. Connect the speaker line with the included speaker wire and make sure that all connections are weather proof. The desired power can be selected by removing the back cover of the speaker. On the transformer you will notice 3 power taps marked 25W (factory setting), 20W and 10W. In order to change the speaker's power setting, simply slide the red wire connector on the corresponding power tap on the 100 volt transformer.

Frequency response



| Technical specifications | |
|-----------------------------------|---------------------------------|
| Specification / Type | HM25-G |
| Type | Compression driver horn speaker |
| Material | Aluminium |
| Standard color | Grey RAL7035 |
| Rated power RMS | 25Watts / 100Volt |
| Music power RMS | 30Watts / 100Volt |
| Speaker connector | ceramic screw type |
| Transformer power taps | 25 - 20 - 10Watts / 100Volt |
| Impedance | 400 - 500 - 1000Ω @ 100Volt |
| Thermal fuse | Cut off temperature 152°C |
| Frequency range | 300Hz - 10KHz |
| Sound pressure level | 1W/1m: 103dB |
| Maximum sound pressure level | 117dB |
| Cable lenght | 100cm |
| Dimension outside | 210mm |
| Dimension outside lenght | 264mm |
| Weight including mounting bracket | 1.90Kg |
| Mounting holes | 3 x 8.5mm, approx 25mm spacing |
| IP rating | 66 |

Warranty info

APart-Audio warrants this product to be free of defects in material and workmanship for a period of one year for parts and for a period of one year for labor from the date of original end-user purchase. This warranty is valid only for the original end-user and cannot be transferred.

During the warranty period APart-Audio or one of its authorized service partners shall either repair or replace any product, free of charge, that proves to be defective on inspection by APart-Audio or its authorized service representative.

This warranty does not include, damages or product faults due to abuse, misuse or faulty installation.

ANY SUGGESTION?

**They are well appreciated and eventually rewarded!
Send your ideas or suggestions to**

suggestions@apart-audio.com

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