

MC range - Ceiling loudspeaker



Designed to be aesthetically pleasing and acoustically engineered for quality sound reproduction, the MC range of loudspeakers are ideal for general public address, music background and voice evacuation systems.

For ease of installation, the units incorporate a user-friendly fixing method and are supplied with a 100 volt line transformer.

The MC range is supplied with a firedome which can be fitted into a ceiling prior to the drive assembly, giving the advantage of hard wiring through 2 x 20mm gland entries.

The MC range are supplied compliant to BS5839, part 8 and come in a variety of sizes, including 4", 5" and 6".

Features and benefits

- BS5839, Part 8 Compliant as standard
- 103 dB(A) at 10W at 1 metre
- 10 watts
- Mild steel construction
- 100V/70V line transformer
- Variety of sizes

Specifier's guide

6.3 Speakers

Technical specification

| Code | MC4-EN | MC5-EN | MC6-EN |
|-----------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Power | 10W | 10W | 10W |
| Material | Mild steel | Mild steel | Mild steel |
| Colour/finish | White RAL 9010 | White RAL 9010 | White RAL 9010 |
| Sound pressure level, power W/1m | 100dB | 103dB | 103dB |
| 1W at 1 metre | 90 | 93 | 93 |
| Nett weight | 0.9kg (1.5 with firedome) | 1.6kg | 1.8Kg |
| Min/max ambient temperature | - 20°C to + 50°C | - 20°C to + 50°C | - 20°C to + 50°C |
| Effective frequency range | 140-14,000Hz | 100-15,000Hz | 100-15,000Hz |
| Dispersion at 1,000hz | 140° | 150° conical | 170° conical |
| Ceiling cutout required | 110mm | 165mm | 200mm |
| Terminal | Ceramic block | Ceramic block | Ceramic block |
| Mounting | Firedome | Firedome | Firedome |
| Transformer power tapings | 0.75, 1.5, 3.0, 6.0, 10W | 0.75, 1.5, 3.0, 6.0, 10W | 0.75, 1.5, 3.0, 6.0, 10W |
| Input impedance standard model | 13.33k, 6.6k, 3.3k, 1.66k, 1.0k ohms | 13.33k, 6.6k, 3.3k, 1.66k, 1.0k ohms | 13.33k, 6.6k, 3.3k, 1.66k, 1.0k ohms |
| Impedance | 8 ohms | 8 ohms | 8 ohms |
| Additions to bs5839, part 8 compliant unit | High temperature cable for unit wiring. Thermal fuse. | High temperature cable for unit wiring. Thermal fuse. | High temperature cable for unit wiring. Thermal fuse. |
| Line voltage | 100V | 70/100V | 70/100V |

Performance

| Feature | MC4-EN | MC5-EN | MC6-EN |
|-------------|---------------|---------------|---------------|
| Output | 100 dB at 10W | 103 dB at 10W | 103 dB at 10W |
| Sensitivity | 90dB at 1W | 93dB at 1W | 93dB at 1W |
| IP rating | N/A | N/A | N/A |

Catalogue numbers

| Description | Code |
|------------------------|--------|
| 4" ceiling loudspeaker | MC4-EN |
| 5" ceiling loudspeaker | MC5-EN |
| 6" ceiling loudspeaker | MC6-EN |