



SPHEROS

Roof Hatch, manual emergency exit hatch

▶ Modus Clear



Hatches / Fans

Manual Glass Hatch to the Modus family

MODUS Clear is the new ECE approved emergency exit ventilator roof hatch member in the Modus family. It has been developed for any bus market taking into consideration the needs and demands of today. Glass has become a popular material in roof hatches creating a more spacious feeling in the bus. MODUS Clear has a modular build-up offering various end versions of the hatch, all according to what is required. Instead of breaking the glass in an emergency, you might want to choose an emergency release function instead – or both?

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Energy saving and fuel consumption are hot topics in any transport industry – including the bus industry. A/C units consume energy and when that energy can be saved, it is not only a green act towards the nature but for sure a positive thing for the bus operator in terms of fuel savings.

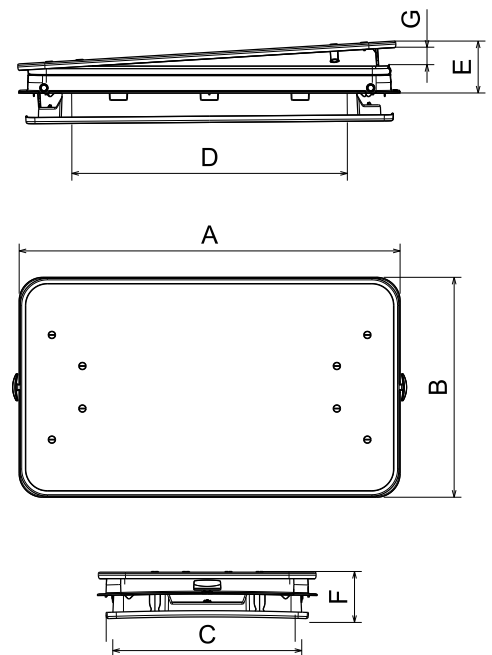
Ventilation and fresh air intake additionally performed by means of roof hatches complements the A/C unit and ventilator use whenever A/C is not necessary.

Modus series hatches have sold worldwide like no hatch before. A glass version now complements the existing program. The glass panel is tempered grey glass with a light transmission of 18 %. Having light through the glass panel brings a spacious feeling to the bus.

The new concept of modular build-up offers a freedom of choice appreciated on the market. Not only can you choose the preferred emergency exit solution, i.e. hammer, emergency release function, or even both, but you can also choose to have the hatch with or without the glass protection.

Highlights:

- Cut-off size 970 x 530
- Ceiling R > 3000
- Ceiling T = 40 – 86 mm
- Mass basic hatch: 8.7 kg
- Mass inner trim: 1.2 kg
- Mass edge protection: 0.45 kg
- UN ECE R.107 Emergency Exit
- UN ECE R.118 Flammability
- Maximum ventilation
- Grey tempered glass 18% light transmission
- Glass panel makes the passenger cabin spacious
- Fast mounting by bonding
- Maintenance free
- Also available in electrical version



| | | A | B | C | D | E | F | G |
|---------------------------|---------------------------------|----------------|---------------|-------------|--------------|---------------|-----------------|---------|
| Technical specifications: | Dimensions of Roof opening (mm) | Length of dome | Width of dome | Inner width | Inner length | Height (open) | Height (closed) | Opening |
| Modus Clear | 970 x 530 | 1042 | 599 | 504±3 | 802 | 132 | 72 | 60 |