



SPHEROS

Roof Hatch, electrical emergency exit hatch

▶ Modus Coach Comfort



Hatches / Fans

Electrical Hatch to the Modus Coach family

Modus Coach Comfort Series is the electric extension to the new Modus Coach hatch with timeless design giving the vehicle the final touch in both looks and usage. The hatch is now electrically operated. The new hatch is extremely fast in opening/closing time. Modus Coach Comfort is also lighter than the previous electric hatches and much more robust. Modus Comfort Series hatches are controlled by the newly developed Digital Hatch Control system DHC.

► Modus Coach Comfort

There is an ever growing demand for electrically operated hatches. Coaches with electric hatches add the final touch to the Climate Control giving the driver total control of the vehicle. More and more coaches and intercity buses are equipped with electric hatches due to both comfort and control reasons.

The completely new electric mechanisms are extremely fast and robust. Opening or closing time is about 1 second. Due to new development the hatch is up to 10 % lighter in weight than the previous electric hatches. Modus Comfort series hatches are operated with a Digital Hatch Control Unit, DHC.

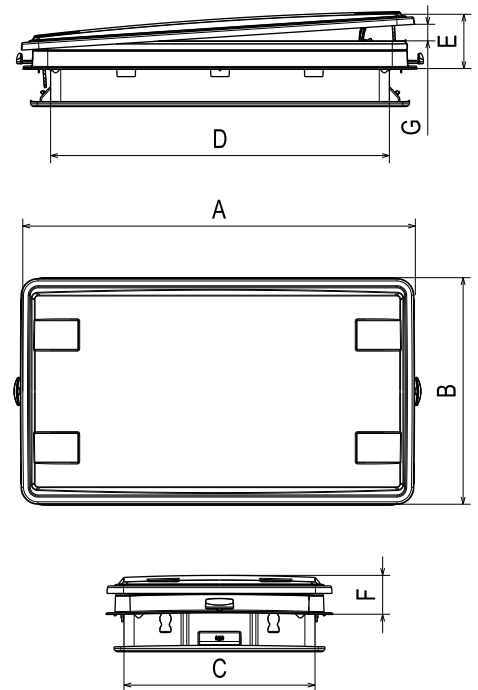
Roof Hatch ventilation consumes considerably less energy than an A/C unit. When A/C is not necessarily needed, the driver can use the roof hatches for ventilation and save energy. The driver can do it by a simple push of a button.

An electric hatch gives great comfort and control also to the driver. The driver can open or close the hatches as he wants or the hatch control can even be integrated to the A/C system through Multiplex. In Multiplex integration the windshield wipers can function as rain sensors and close the hatches automatically.

The hatches of today can be integrated as part of the total Climate Control Concept working together with the A/C unit to optimize the cooling power in the most efficient way. Full Multiplex integration is easy to carry out with today's electric hatches due to their digital interface.

Highlights:

- Cut-off size 530 x 970
- Ceiling R > 3000
- Ceiling T = 40 – 86 mm
- Mass basic hatch: 9.8 kg
- Mass inner trim: 1.2 kg
- Extremely fast opening and closing
- UN ECE R.107 Emergency Exit
- UN ECE R.118 Flammability
- UN ECE R.10 EMC
- Fast mounting by bonding
- Maximum ventilation 50 mm
- Maintenance free
- Dome under plate in level with the bus ceiling
- Durable
- Heat, cold insulation, dual shell dome



		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 Coach Comfort	530 x 970	1055	605	510	890	147	92	50