

EMERGENCY ESCAPE VENTILATION HATCH

SEVEN SERIES

CLEAR



Strength, Safety, and Durability for tough conditions

The SEVEN SERIES emergency exit ventilator hatches have been developed to meet the extreme heat and cold and to provide the passengers and the bus operators maintenance free miles for years.

Maximum safety, comfort, durability and easy operation, also in case of emergency, are the key factors in the Seven Series. They meet all the required UN ECE regulations. Glass version is equipped with a unique patented (EP 3544690 A1; no hammer) emergency exit Lever that anybody, from kindergarten to senior citizens, can execute in case of emergency. The glass version is available with 10% Light Transmission Safety Glass and an optional dome cover is available.

Glass dome makes the cabin more spacious and light.

Hatches are available in both manual and electric remote operation versions (24V). The electric hatches can be operated with simple momentary switches or with a dedicated Digital Driver Unit where up to 4 hatches can be controlled with one Driver Unit.

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HIGHLIGHTS



Low Life-Cycle Cost

- SEVEN SERIES roof hatches are completely maintenance free
- Excellent heat and cold tolerance
- 5mm glass is stiff and vibration free



Environmentally friendly

- Materials are recyclable
- Ventilates the vehicle while stationary
- Minimizes infection risk
- High ventilation capacity while driving
- 10% Light Transmission filters heat



Comfort

- Manual or electric remote control
- Optional digital control unit
- Driver unit option for 1-4 hatches
- Standard momentary rocker switches can be used
- Patented emergency exit lever, no hammers

TECHNICAL DATA

	Seven Clear	Seven Clear Auto	Seven Clear Cover	Seven Clear Cover Auto
Cut-off (mm)	885 x 675 ⁺² R85	885 x 675 ⁺² R85	885 x 675 ⁺² R85	885 x 675 ⁺² R85
Dome (mm)	(A) 940 x (B) 720	(A) 940 x (B) 720	(A) 940 x (B) 720	(A) 940 x (B) 720
Interior opening (mm)	(C) 650 x (D) 704	(C) 650 x (D) 704	(C) 650 x (D) 704	(C) 650 x (D) 704
Height closed / open (mm)	(F) 75 / (E) 128	(F) 75 / (E) 128	(F) 75 / (E) 128	(F) 75 / (E) 128
Ventilation opening (mm)	(G) 50	(G) 50	(G) 50	(G) 50
Weight Hatch (kg)	12.50	14.00	14.50 incl. Interior Cover	15.90 incl. Interior Cover
Weight inner trim (kg)	≈ 1.90 / T=50	≈ 1.90 / T=50	≈ 1.90 / T=50	≈ 1.90 / T=50
Operation Voltage (V)	(-)	24	(-)	24
Control unit	(-)	Optional digital control (DHC)	(-)	Optional digital control (DHC)
Glass	5mm Safety Glass, LT≈10%	5mm Safety Glass, LT≈10%	5mm Safety Glass, LT≈10%	5mm Safety Glass, LT≈10%
Fuse A	(-)	5A	(-)	5A
Glazing material	UN ECE R.43.01s2	UN ECE R.43.01s2	UN ECE R.43.01s2	UN ECE R.43.01s2
Emergency Exit Approval	UN ECE R.107r6	UN ECE R.107r6	UN ECE R.107r6	UN ECE R.107r6
Flammability approval	UN ECE R.118.03	UN ECE R.118.03	UN ECE R.118.03	UN ECE R.118.03
EMC approval	(-)	UN ECE R10.05	(-)	UN ECE R10.05



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