



Roofs for Mobile Living

Roofs

SCA – Roofs for Mobile Living

Travelling in a camper van of your own allows you to start your journey whenever you want, stop off wherever you find a nice spot and eat, drink and sleep all without having to leave the comfort of your vehicle – pure freedom!

The category of camper vans known as “converted panel vans” is becoming ever more popular because these vehicles are cost-effective in terms of fuel consumption, easily manoeuvrable and yet still have everything you need for your leisure activities and holidays – they are even suitable for everyday use.

For over 20 years, C. F. Maier has been developing and manufacturing high-quality sleeper roofs, pop-up roofs and high roofs under the SCA brand. The roofs are characterised by their advanced engineering and excellent quality. Designed by renowned designers, they combine harmoniously with the base model vehicle and add to its value – in a word, they fulfil even the most demanding expectations.

For these reasons, SCA has become a leading manufacturer of roofs for compact camper vans. The product range includes different roof types for the most common base model vehicles of VW, Mercedes, Opel, Renault, Peugeot, Citroën, Fiat and Ford. Many panel van conversion companies use SCA products.

Sleeper roof SCA 184 on Renault Trafic, SWB



High roof SCA 472 on Mercedes Sprinter, MWB



High roof SCA 463 on VW T5, LWB



High roof SCA 482 on Peugeot Boxer, MWB



High roof SCA 480 on Peugeot Boxer, SWB



Sleeper roof SCA 192 on VW T5, LWB



High roof SCA 463 on VW T5, LWB



Sleeper roof SCA 162 on Peugeot Expert, SWB



High roof SCA 460 on VW T5, SWB



Sleeper roof SCA 191 on VW T5, SWB



Universal pop-up roof on Renault Trafic, SWB



SCA High Roofs

All roof models have been designed by renowned designers. SCA high roofs are characterised by their generously proportioned window installation areas and their attractive design, which combines harmoniously with the base model vehicle. They have excellent drag coefficients, as proven by wind tunnel testing.

The high roofs are available in various designs: there are a number of different variants of each roof type which can be combined together – ranging from a cost-effective simple GRP roof shell to models with integrated plastic roof bows right through to the fully equipped variant with 20mm insulation along with comfortable interior trim made of 9mm thick crumpled velour. The roofs have an excellent fit and surface finish – again demonstrating the many years of experience of C. F. Maier.

Making a cutout in the vehicle roof reduces the sturdiness of the body. For this reason, reinforcements for the roof cutout are essential. Two possible solutions are available:

the first option is to reinforce the roof shell with integrated GRP roof bows. These project by approx. 20mm on the inside of uninsulated roofs. On the version with 20mm polyethylene foam insulation, the inside surface is even. The connection to the vehicle is then made using bow bases, which are riveted to the body. Alternatively, a reinforcing frame can be used for the roof cutout. This option is particularly good when, for example, bed constructions are mounted on to the roof during vehicle conversion.

Manufacturer approval certificates and all of the required part approval certificates from the Technical Inspection Association (TÜV) have been obtained for all roof models.

The standard colour of SCA high roofs is white. However, any special colour can be supplied at extra charge.

High Roofs

Base model vehicle	SCA model	Roof dimensions	Vehicle height	Interior standing room
VW Typ 5 (SWB)	SCA 460	300×150×63 cm	250 cm	192 cm
VW Typ 5 (LWB)	SCA 462	340×150×63 cm	250 cm	192 cm
VW Typ 5 (LWB)	SCA 463	340×150×80 cm	270 cm	212 cm
Sprinter/Crafter (SWB)	SCA 470	358×163×70 cm	295 cm	230 cm
Sprinter/Crafter (MWB)	SCA 472	423×163×72 cm	300 cm	240 cm
Sprinter/Crafter (LWB)	SCA 474	523×147×52 cm	310 cm	245 cm
Fiat Ducato/ Peugeot Boxer/ Citroën Jumper (SWB)	SCA 480	340×184×65 cm	280 cm	225 cm
Fiat Ducato/ Peugeot Boxer/ Citroën Jumper (MWB)	SCA 482	400×184×88 cm	300 cm	245 cm

Roofs for other vehicle models can be found on www.sca-daecher.de or in the price list. All specified dimensions are approximate. Subject to technical change.

Roof insulation

A test performed by heater manufacturer Webasto demonstrates that it stays warm and cosy inside a panel van even in winter. With the temperature of the cold chamber set to minus 15 degrees, the temperature in a Mercedes Sprinter converted for winter

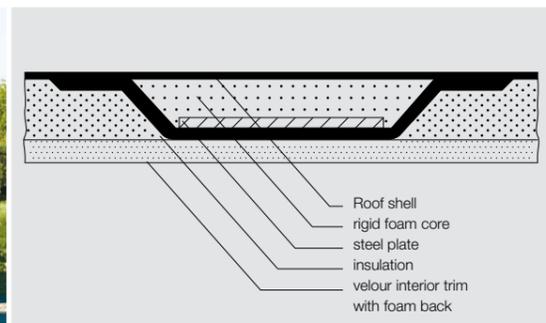
conditions by the conversion company Kubus remained at a pleasant 25 degrees. The thermographic picture below shows the heat dissipation of the panel van under these conditions. It is clear that almost no heat escapes via the insulated SCA high roof.



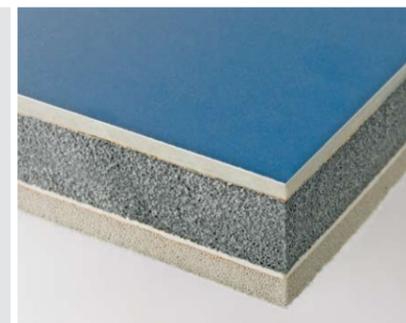
Alcove high roof on VW T5, LWB



High roof SCA 472 on VW Crafter, MWB



Sandwich design of a high roof with integrated roof bows, insulated and with additional interior trim



Design of insulation



Mercedes Sprinter with SCA 472 high roof in cold chamber



© Webasto AG



SCA Sleeper Roofs

Sleeper roofs are flat roofs which can be raised up at an angle at the front or rear. When they are closed, they only add a few centimetres to the height of the vehicle. This means that the overall height of the vehicle remains below two metres – an important consideration for multi-level car-parks and garages. When they are open they provide seating headroom over the roof bed, which is also included in the package. If the roof bed is not in use, it can be folded up very easily – including mattress. The following additional details characterise SCA sleeper roofs:

- GRP roof shell, 4 mm thick with 4 mm crumpled velour insulation;
- Optimal aerodynamics through flat GRP spoiler in front of roof shell;
- Top quality, fire-resistant tent fabric, semicircular tent windows at front or rear and sides, with dual zippers and fly screen, right-hand window made of glass-clear plastic;
- Two powder-coated, stainless steel lazy tong arms on sides, two gas-operated springs;
- Simple version with belts for securing roof, tent fabric stapled to roof shell;

- Alternatively: sophisticated version with central locking using rotary tumbler locks, high-quality aluminium sliding panel to cover access opening, tent material equipped with edge stripping all the way round to facilitate replacement in event of damage, folding mechanism (sewn-in plastic bars which pull the tent fabric inwards when the roof shell is closed);
- Roof bed with GRP frame, single or multi-part bunk panel;
- Reinforcing frame to reinforce roof cutout, version approved by vehicle manufacturer;
- Fully preassembled delivery, not a kitset!
- Accessories: bed upholstery with light grey covering, washable.

Manufacturer approval certificates and all of the required part approval certificates from the Technical Inspection Association (TÜV) have been obtained for all roof models.

The standard colour of SCA high roofs is white. However, any special colour can be supplied at extra charge.

Sleeper Roofs

Base model vehicle	SCA model	Vehicle height	Bunk area	Locking	Raising
VW Typ 5 (SWB)	SCA 190	199 cm	200 × 120 cm	Rotary tumbler lock	At front
VW Typ 5 (SWB)	SCA 191	199 cm	200 × 120 cm	Rotary tumbler lock	At rear
VW Typ 5 (LWB)	SCA 192	199 cm	240 × 120 cm	Rotary tumbler lock	At front
VW Typ 5 (LWB)	SCA 193	199 cm	240 × 120 cm	Rotary tumbler lock	At rear
VW Typ 5 (SWB)	SCA 196	199 cm	200 × 120 cm	Belt solution	At front
VW Typ 5 (SWB)	SCA 197	199 cm	200 × 120 cm	Belt solution	At rear
VW Typ 5 (LWB)	SCA 198	199 cm	240 × 120 cm	Belt solution	At front
VW Typ 5 (LWB)	SCA 199	199 cm	240 × 120 cm	Belt solution	At rear
Renault Trafic (SWB)	SCA 180	199 cm	200 × 140 cm	Belt solution	At front
Opel Vivaro (SWB)	SCA 181	199 cm	200 × 140 cm	Belt solution	At rear
Renault Trafic (LWB)	SCA 182	199 cm	225 × 140 cm	Belt solution	At front
Opel Vivaro (LWB)	SCA 183	199 cm	225 × 140 cm	Belt solution	At rear
Opel Vivaro (SWB)	SCA 184	199 cm	200 × 140 cm	Rotary tumbler lock	At front
Opel Vivaro (SWB)	SCA 185	199 cm	200 × 140 cm	Rotary tumbler lock	At rear
Peugeot Expert (SWB)	SCA 162	199 cm	196 × 120 cm	Rotary tumbler lock	At front
Fiat Scudo (SWB)	SCA 164	199 cm	196 × 120 cm	Belt solution	At front
Citroën Jumpy (LWB)	SCA 166	199 cm	230 × 120 cm	Rotary tumbler lock	At front
Citroën Jumpy (LWB)	SCA 168	199 cm	230 × 120 cm	Belt solution	At front

Roofs for other vehicle models can be found on www.sca-daecher.de or in the price list. All specified dimensions are approximate. Subject to technical change.



Folding mechanism for tent material

Central locking via rotary tumbler locks

Tent material with edge stripping and aluminium rail

Sliding panel to close access opening

Tent fabric with three windows

Interior trim set for VW T5



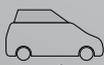
SCA Pop-Up Roofs

Small investment – major benefit: a pop-up roof is a low-cost way of creating full standing room in the kitchenette and/or living area. Pop-up roofs are often an entry level option for those wishing to experience life in a camper van because they are a worthwhile addition even to older base model vehicles.

SCA pop-up roofs are available for the VW T2 and VW T4 and there is a universal roof for all other vehicles. Raising the roof provides roughly an additional 50 cm of standing room. The roofs add between 3 cm (for the ultra-flat model) and max. 15 cm (for the universal roof) to the overall height.

Base model	SCA model	Extra standing room	Height over vehicle
VW T2	SCA 08	approx. 45 cm	approx. 3.0 cm
VW T4	SCA 09	approx. 50 cm	approx. 4.5 cm
Universal roof	SCA 64	approx. 50 cm	5 cm to 15 cm, depending on vehicle

Caption



High roof



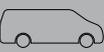
Sleeper roof



Pop-up roof



SWB = short wheelbase



MWB = medium wheelbase



LWB = long wheelbase



C. F. Maier Europlast GmbH & Co KG

Postfach 11 60

89548 Königsbronn

Wiesenstraße 43

89551 Königsbronn

Telefon +49 7328 81-225

Telefax +49 7328 81-277

info-ep@c-f-maier.de

www.c-f-maier.de

www.sca-daecher.de

