

Integrated air-conditioning systems

Slim Profile for perfect roof integration



Webasto's Slim Profile is the first step Webasto has taken to initiate the revolution of design in the off-highway market and marks the next step on Webasto's innovation road. The use of a reversed curved blade fan and slim-profile evaporators and heat-exchangers are the key elements of the design that allows for achieving a height of only 80 mm for the unit. Due to the fan used and the unique design of internal air-handling, the unit outperforms current similar-size units in airflow as well as cooling and heating performance. The Slim profile is designed to be installed in the roof of both agricultural and construction machinery. Due to the slim package dimensions of the unit (842 x 580 x 111 mm) it enables OEMs and cabin manufacturers to fundamentally innovate the design of their cabins. The new Webasto unit, will make it possible to design slim roofs with increased headroom and greater visibility without any loss of comfort. The results of our stringent in-house testing program have clearly demonstrated the capabilities of the unit in terms of performance, durability and regulation-conformity.

The unit is designed to be combined with the Webasto CECU which allows for complete integration of the air-conditioning system into existing control and electronic infrastructure of OEMs thus enabling a seamless user comfort experience. Of course, integrated diagnostic functionalities are offered as well. This unit is followed by the Ultra-Slim Profile concept which goes so far as decreasing the height of the unit again by 50 % to only 40 mm. More information on this unit is available upon request!

Key benefits at a glance:

- New design with clear focus on a slim package with high performance
- 9.5 kW of cooling performance
- 13 kW of heating performance
- Slim design provides for more headroom and increased visibility
- Design can be adapted to individual needs of OEMs and cabin manufacturers



SP80

Model overview	Scope of delivery	Order number
SP80 HVAC R12V BRG	Air-conditioning system, black, with heating function	6244242A
SP80 HVM R12 V BR	Heating system	6244244A

Control element

Model overview	HVAC with fresh air control	HVAC	HV
Part number	62A04052B	62A04054B	62A04069B
12 V			
- 120 x 63 x 43 mm (W x H x D)			
- Electric control			
- Water valve			
- Signal cable (2m)			
- On/off switch, air-conditioning system			
- Fan speed			
- Temperature regulation			

Technical data

Model overview	Slim Profile HVAC	Slime profile HVM
Nominal cooling capacity (kW)	9.5	-
Nominal heating capacity (kW)	13	-
Installation position	Integrated into the roof	
Refrigerant	R134a	-
Nominal voltage (V)	12	-
Operating temperature range (°C)	-20...+60	
Max. total current absorption (A) at 12 V	10	8.2
Max. air flow evaporator blower (m³/h)	615	650
Dimensions L x W x H (mm)	580 x 842 x 111	
Weight (kg)	7.4	6.5
Expansion valve	Block Valve	-
Water connection (mm) Ø	16	
Additional information	with manual control	