

Rooftop air-conditioning systems 10.0 to 18.0 kW cooling capacity

Perfect air-conditioning in small and medium-sized buses



The rooftop air-conditioning systems are designed especially for air-conditioning small and medium-sized buses with up to 35 seats. These units are very reliable and have a long service life. There is a wide range of accessories, such as control elements, air ducts and installation sets, available for these air-conditioning systems. The housings of these air-conditioning systems can be painted to match the color of the vehicle.

For complete air-conditioning solutions, the Compact Cooler 8, Panama, Madrid and Santana models have an optional heating function.

- Air-conditioning systems with a cooling capacity of 10.0 to 18.0 kW
- Compact construction and aerodynamic design
- High efficiency in relation to the dimensions
- High-quality and reliable components from proven series production processes
- Air distribution via a central duct or two side ducts
- Choose between fresh air and recirculated air (optional)
- Easy installation and low maintenance

Model:
Compact Cooler 8, Panama, Smirne, Madrid, Santana



Light-duty Vehicles



Buses



Off-highway



Special Vehicles

Technical data

	Compact Cooler 8	Panama	Smirne	Madrid		Santana	
						L	XL
Nominal cooling capacity (kW)	8.5	10.5	11.7	15.5		18.0	
Heating capacity (optional) (kW)	7.5	12.0	–			20.0	
Refrigerant	R134a						
Nominal voltage (V)	12/24						
Max. total power consumption at 12 V (A)	30.0	56.0	35.0	58.0	90.0	110.0	
Max. volume flow of evaporator blower (m ³ /h)	1,300	1,200	1,100	2,100	2,500	4,000	
Dimensions L x W x H (mm)	1,025 x 970 x 197	1,400 x 1,100 x 180	1,045 x 930 x 170	1,790 x 1,280 x 185		2,150 x 1,600 x 200	2,150 x 1,800 x 200
Weight (kg)	32.0	44.0	33.5	59.0		74.0	79.0
Nominal roof radius (mm)	–	5,200	–	7,000		6,000	10,000
Inlet connection	Connection 3/4"-16 UNF-2A	Connection 7/8"-14 UNF-2A	Connection 3/4"-16 UNF-2A	Connection 7/8"-14 UNF-2A			
Outlet connection	Connection 7/8"-14 UNF-2A	Connection 1-1/16"-14 UNF-2A	Connection 7/8"-14 UNF-2A	Connection 1-1/16"-14 UNF-2A			
Water connection, Ø (mm)	20	16	–	16			
Expansion valve	Block valve	Angle valve	Block valve				
Accessories	–	Fresh air/recirculated air kit, Heating kit	–	Heating kit		Fresh air/recirculated air kit, heating kit	