

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, Cool Top 110 RT-C, Cool Top 140 RT-C and Madrid 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, Cool Top 110 RT-C, Smirne,
Cool Top 140 RT-C, Madrid



Truck



Light Vehicles



Bus



Rail



Off-Highway



Defense



Special Vehicles

Technical data

	Compact Cooler 8	Cool Top 110 RT-C	Smirne	Cool Top 140 RT-C	Madrid	
Nominal cooling capacity (kW)	8.5	11.0	11.7	11.0	15.5	
Heating capacity (optional) (kW)	7.5	12.0	–	12.0	20.0	
Refrigerant	R134a					
Nominal voltage (V)	12/24	12	12/24	12/24	12/24	12/24
Max. total power consumption at 12 V (A)	30.0	50.0	35.0	80.0	58.0	90.0
Max. volume flow of evaporator blower (m ³ /h)	1,300	1,500	1,100	2,000	2,100	2,500
Dimensions L x W x H (mm)	1,025 x 970 x 197	1,600 x 1,150 x 204	1,045 x 930 x 170	1,600 x 1,150 x 204	1,790 x 1,280 x 185	
Weight (kg)	32.0	48	33.5	50	59.0	
Nominal roof radius (mm)	–	5,200	–	5,200	7,000	
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	Connection 7/8"-14 UNF-2A	
Outlet connection	Connection 7/8"-14 UNF-2A	Connection 1-1/16"-14UNF-2A	Connection 7/8"-14 UNF-2A	Connection 1-1/16"-14UNF-2A	Connection 1-1/16"-14 UNF-2A	
Water connection, Ø (mm)	20	18.5	–	18.5	16	
Expansion valve	Block valve					
Accessories	–	Heating kit Condensate drainage kit Lifting kit Drilling template Front box kit	–	Heating kit Condensate drainage kit Lifting kit Drilling template Front box kit	Heating kit	

The performance values of your application can differ from the nominal values.

Those depend on different conditions such as compressor, air ducts and climatic conditions.