

Transport refrigeration systems

Solutions with direct drive

Best performance, variable and easy installation for cargo space volumes up to 21 m³



Transport refrigeration systems keep perishables at the perfect temperature so they reach their destination in top condition. Frigo Top is the generation of transport refrigeration systems with greatly improved functionality. The model series offers a broad range of variability and thereby meets individual customer requirements.

The systems come in 12 V and 24 V versions, with a standby operation optionally with 230 V or 400 V and the option of rooftop or front installation.

Among other aspects, the optimized and compact product structure features an electrical, hermetical compressor, durable fans and a dual-sided defrosting system. Another highlight is the reduced volume by a special geometry of the fan blades and a separate drive engine for the standby compressor is not needed anymore. The integrated heat exchanger enhances the unit's cooling capacity. Thus, it ensures powerful cooling even at high outside temperatures. Thanks to the refrigerant R404A, these systems are suitable for both above zero and below zero temperatures and therefore cover a wide range of uses.

Key benefits at a glance:

- Cooling capacity up to 3,836 watt
- Automatic temperature regulation
- High efficiency in all temperature ranges
- Standby operation optionally with 230 V and 400 V
- Rooftop or front mounting
- Reliable devices with high-quality components made in proven series production
- Easy installation and maintenance
- ATP (Accord Transport Perishable) accreditation applies for all devices

These systems stand out for their particularly easy and comfortable installation and maintenance. The electronic elements are cost-effectively and easily exchangeable. The compressor is integrated into the engine space.



Light vehicles

Technical specifications

	Frigo Top 25	Frigo Top 35	Frigo Top 40
Refrigerant	R404A	R404A	R404A
Cooling capacity according to ATP standard, at ambient temperature of +30 °C and compartment temperature of 0 °C, in engine / standby operation (W)	2,347 / 1,490	3,509 / 2,412	3,836 / 2,469
Cooling capacity according to ATP standard, at ambient temperature of +30 °C and compartment temperature of -10 °C, in engine / standby operation (W)	1,747 / 1,105	2,791 / 1,806	2,880 / 1,836
Cooling capacity according to ATP standard, at ambient temperature of +30 °C and compartment temperature of -20 °C, in engine / standby operation (W)	1,250 / 730	2,011 / 1,266	2,011 / 1,283
Nominal voltage (V)	12	12 / 24	12 / 24
Air flow (m ³ /h)	743	1,800	1,800
Average power consumption, in engine operation 12 / 24 V (A)	15.0 / -	30.0 / 15.0	30.0 / 15.0
Average power consumption, in standby operation 230 / 400 V (A)	8.5 / 8.5	10.8 / 10.8	10.8 / 10.8
Dimensions			
Condensator unit (rooftop mounting)	906 x 715 x 262	1,096 x 725 x 278	1,096 x 725 x 278
Condensator unit (front mounting)	906 x 655 x 262	1,096 x 655 x 278	1,096 x 655 x 278
Evaporator unit	660 x 530 x 158	1,130 x 530 x 158	1,130 x 530 x 158
Weight			
condenser unit/evaporator unit (kg)	52.5 / 11.5	65.0 / 18.5	65.0 / 18.5

The performance values of your application are influenced by environmental surroundings, cargo space isolation, etc.



Contact details

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