

## Mobile refrigeration solutions completely integrated in the vehicle

Modular system for optimum combination of components



This line of mobile refrigeration solutions ensures that perishables transported across great distances are well taken care of and arrive in perfect condition. The components of the mobile refrigeration such as evaporator, condenser and compressor as well as a variety of accessories can be combined into individual solutions. This allows for a high degree of flexibility and customization for different applications. Equipped with our renowned high-efficiency fans and blowers that generate a constant airflow, they offer the reliability and long life that are critical for mobile refrigeration systems.

A variety of accessories and kits are available for vehicle-specific installation and integration, and allow for filling with refrigerants R134a and R404A. An optional feature that is also available is an electric motor that generates 1.1 kW of power for standby operation.

### Pordoi

A modular drive system compatible with all commercial vehicles, this fully integrated solution does not affect the exterior design and aerodynamic aspects of the vehicle.

- **Integrated system**
- **Customized refrigeration systems for commercial vehicles with load compartments of up to 18 m<sup>3</sup>**
- **Important feature: automatic temperature control**
- **High thermodynamic efficiency in all temperature ranges**
- **Superior systems with durable, high-quality components from proven series production**
- **ATP\* homologation applies for all systems**

**Models:**  
Integrated modular: Pordoi



Truck



Light-duty Vehicles



Bus



Rail



Off-Highway



Defense



Special Vehicles

**Technical specifications:**

Refrigeration unit	Pordoi 2000	Pordoi 3000	Pordoi 4000
Cooling capacity nominal (W) with R404A at 30°C ambient temperature			
<sup>n</sup> Compartment temperature 0°C	2,493	2,799	3,660
<sup>n</sup> Compartment temperature -20°C	1,206	1,332	1,926
Cooling capacity nominal (W) with R134a at 30°C ambient temperature			
<sup>n</sup> Compartment temperature +5°C	1,895	2,750	
<sup>n</sup> Compartment temperature 0°C	1,565	2,250	3,150
Cooling capacity nominal (W) in Stand-by mode at 0°C	1,233	1,636	1,858
Nominal voltage (V)	12.0		
Max. power consumption (A)			
<sup>n</sup> Engine operation	(1)	(1)	(1)
<sup>n</sup> Stand-by operation	14	16	16
Air Flow in m <sup>3</sup> /h	670	1,040	1,534
Refrigerant	R134a/R404A		
Dimensions L x W x H (mm)			
<sup>n</sup> Condenser unit	(1)	(1)	(1)
<sup>n</sup> Evaporator unit	660 x 500 x 157	900 x 500 x 157	1,000 x 500 x 157
Weight (kg)			
<sup>n</sup> Condenser unit	(1)	(1)	(1)
<sup>n</sup> Evaporator unit	7.5	10.5	12.5

(1) = depending on the installed application



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Please feel free to contact us for further information about an individual mobile refrigeration solution including mounting kit.

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