

TECHNICAL DESCRIPTION
CRANEFRIGOR™ WDV

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Figure

CRANEFRIGOR™ WDV

The CRANEFRIGOR™ WDV wall/ceiling evaporator was developed for reliable and long-term operation under extreme ambient conditions as in steel works, paper factories and foundries. Thanks to its robust structure, a reliable operation is ensured even with heavy shocks.

The CRANEFRIGOR™ series of crane air conditioning units ensure a reliable and efficient production process.

General description

<i>Scope of delivery</i>	<i>Your benefits!</i>
Circulating air fan AC radial fan, industrial construction	- Powerful - Long runtimes
Air filter - Large-surface frame filter - Filter class COARSE 65%	- Effective filter with long service life - Easy to replace and clean
Condensation water separation - Drip tray primed and powder-coated in RAL 7015 - Hose connection for condensation - Siphon in condensate line	- No corrosion of the tray - Defined condensation drainage - Avoids the drawing in of contaminated ambient air
Control and power cabinet Completely wired, according to VDE	The wall/ceiling evaporator is ready for connection; at the site, you only have to connect the power supply.
Casing - Robust, welded construction - Primed and powder-coated in RAL 7015 - Other colors or stainless-steel version optional	- Long service life - Attractive color scheme with high corrosion protection
Quality assurance - Leakage test - Function test in our plant's test facility	- Operational reliability - Easy commissioning on site

Options packages:

Material order no.	Scope of delivery	Your benefits!
807 580	Options packages “Comfort” AC radial fan (fixed speed) with adjustable air volume for cabin application	• Powerful • Long runtimes • Energy-efficient and quiet
807 581	Speed-controlled EC radial fan, industrial construction	
807 731	Option package “Heater” Air heater with temperature monitor and safety temperature limiter	• Comfortable room temperature • Frost protection even at standstill or during maintenance work
807 846	Option pack. „Corrosion protection“ Corrosion protection package 1	• Evaporator package coated • Caseing / metal parts made of high-grade stainless steel 1.4571 / AISI 316Ti
807 732	Corrosion protection package 2	
807 733	Option package “Custom” Customer-specific version	Special requirements of a company can be realized, such as: • Custom voltages / Network configurations • Heat exchanger version (fully copper, blade spacing and thickness) • Conductor identification • Special coatings
807 734	Options packages “Accessories” Assembly accessories according to specification	• Connections for refrigerant hoses • Spare part package
807 735	Spare parts according to specification	

Technical specifications WDV:

Performance data

Cooling performance is included customized in the offer

Heating capacity

Wide heating power on request

2.3-3.1 kW | 7,850 btu/h – 10,575 btu/h

Nominal cooling performance:

- At 80 °F (27 °C) room temperature, 52 % rel. room air humidity
- Refrigerant R134a / R513A

2.5 – 6.5 kW | 8,530 btu/h – 22,175 btu/h

Air flow volume:

750 – 1,400 m³/h | 440 cfm – 825 cfm

Heating mode

Temperature range

-25 °C to +30 °C | -15 °F to +85 °F

Sizes and weight

Weight

Dimensions

approx. 78 kg | 172 lb

type, see dimension sheet

Operating voltage

Further operating voltages upon request

3 ph / 400 V / 50 Hz

3 ph / 460 V / 60 Hz

Refrigerant

GWP (global warming potential)

R134a / R513A / R450A

1430 / 631 / 605

Subject to technical change.