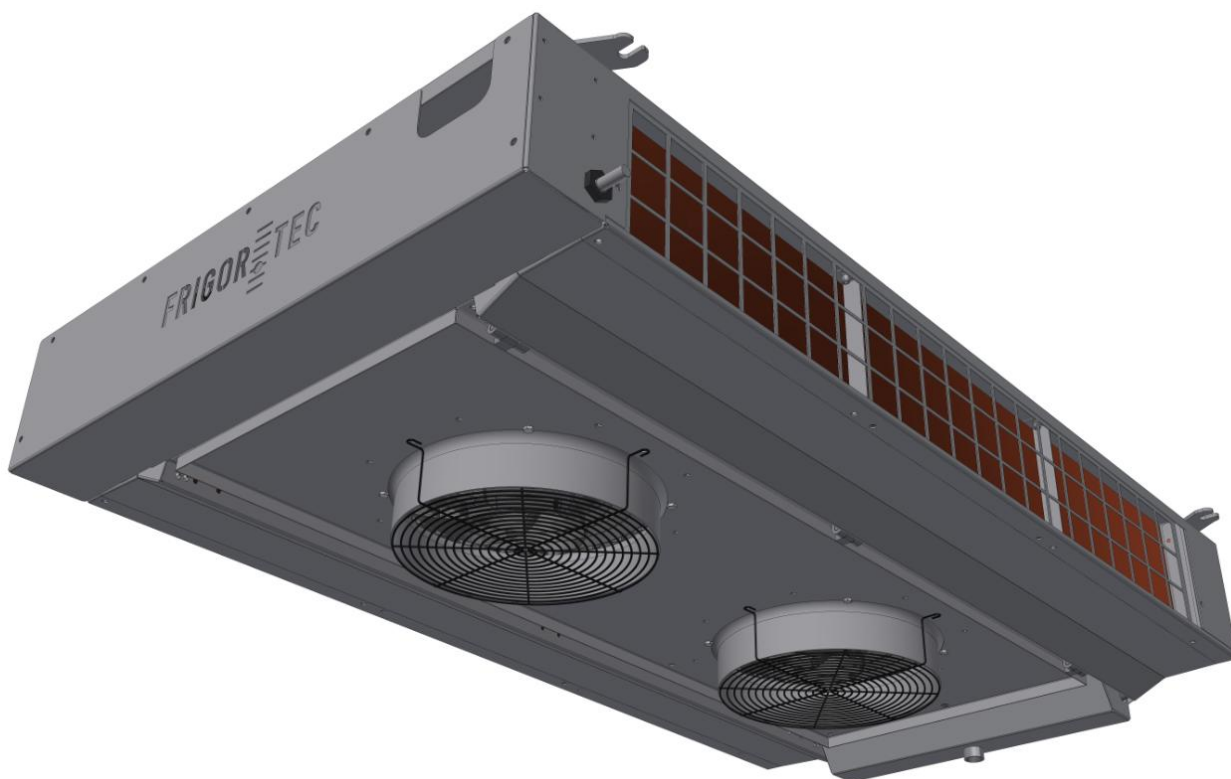


TECHNICAL DESCRIPTION
CRANEFRIGOR™ DV-D

Date: 27.01.2022
QVO 0493-US
Rev. 06

Technical support: **e-mail:** sales@frigortecamericas.com / **phone:** +1 / (832) 730 - 1894



Figure

CRANEFRIGOR™ DV-D

The CRANEFRIGOR™ DV-D ceiling evaporator was developed for reliable and long-term operation under extreme ambient conditions as in steel works, paper factories, harbor applications 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>
Circulation air-fan • Axial fan, industrial construction	• powerful • long runtimes
Air filter • large-surface frame filter	• Effective filter with long service life • Easy to replace and clean
Condensation water separation • Drip tray primed and powder-coated in RAL 7035 • Hose connection for condensation	• No corrosion of the tray • Defined condensation drainage
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 7035	• Long service life • Attractive colour scheme with high corrosion protection
Quality assurance • Leakage test	• Operational reliability • Easy commissioning on site

Options packages:

Article Order no.	Scope of delivery	Your benefits!
-D10: 807 843 -D20: 807 844 -D30: 807 845	Option package „Heating“ Air heating with temperature monitoring and safety-temperature limiter	• Comfortable room temperature • Frost safe even at no operation or during service and maintenance works
-D10: 807 849 -D20: 807 850 -D30: 807 851	Option package „double circuit “ double circuit double circuit double circuit	• Evaporator package with two refrigeration circuits for connection to two condensing units
807 846	Option pack. „Corrosion protection “ Corrosion protection package 1	• Evaporator package coated
807 732	Corrosion protection package 2	• Caseing / metal parts made of high-grade stainless steel 1.4571 / AISI 316Ti
807 733	Option package „Special “ Customized version	Individual requirements of a company can be realized, such as: • Custom. voltages/ Network configurations • Heat exchanger version (fully copper, blade spacing and thickness) • Conductor identification • Air guide panel • Special coatings
807 734	Option package „Accessories “ Mounting accessories according to specification	• Air guide panel, air duct, pipings, supports, parts for refrigeration technology
-D10: 807 854 -D20: 807 855 -D30: 807 856	Spare parts according to specification	• Spare part package

Technical specifications DV-D:

Type code:

Example: DV-D10.1-1

DV = ceiling evaporator	D = double return air	10 = 34,125 btu/h (10 kW) 20 = 68,245 btu/h (20 kW) 30 = 102,365 btu/h (30 kW)	1 = version	1 = single circuit 2 = double circuit (refrigeration circuit)
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Performance data

Cooling performance is included customized in the offer

Nominal cooling performance:

DV-D10	10 kW	34,120 btu/h
DV-D20	20 kW	68,245 btu/h
DV-D30	30 kW	102,365 btu/h

- At 80 °F (27 °C) room temperature, 52 % rel. room air humidity
- Refrigerant R134a / R410A / R513A / R450A

Heating capacity

DV-D10 Wide heating power on request	3.1 kW	10,580 btu/h
DV-D20 Wide heating power on request	6.2 kW	21,155 btu/h
DV-D30 Wide heating power on request	6.2 kW	21,155 btu/h

Air flow volume:

DV-D10	2,000 m ³ /h (one fan)	1,180 cfm
DV-D20	4,000 m ³ /h (two fans)	2,355 cfm
DV-D30	4,000 m ³ /h (two fans)	2,355 cfm

Sizes and weight

weight DV10	approx. 30 kg	65 lb
weight DV20	approx. 60 kg	130 lb
weight DV30	approx. 65 kg	145 lb
Dimensions	see dimension sheet	

Operation voltage

24 V DC

Voltage heating

Further voltages upon request

3 ph / 400 V / 50 Hz
3 ph / 460 V / 60 Hz

Refrigerant

GWP (global warming potential)

R134a / R410A / R513A / R450A
1430 / 2088 / 631 / 605

Subject to technical change.