

# VHC DC 030 SLIM

DC cross flow heat exchangers  
- with low power consumption.

## MAIN FEATURES

Cooling performing range: 30-150 W/K / 17-83 W/F

Equipped with advanced controller platform

Closed loop heat exchangers

Temperature range: -40 to +55 °C / -40 to +131 °F

## STANDARDS

IP65 (IEC60529)

Telcordia GR-487 capable

Shock and Vibration capable ISTA-3B

RoHs/REACH/CLP

Fire resistance UL 94V

## OPTIONAL FEATURES

Material: SGCC, aluminium, stainless steel

Several colours and finishes

NEMA 4 Rating

Customer control parameter settings

Self-test functionality

Recess Mounting

## UNIT DESIGN

Aluzinc Steel

Powder-coated in RAL 9016

Epoxy coated heat exchanger core

External mounting

Multiple options and configurations available

## CONTROLS

Fan speed controller with alarm output

RS485 communication interface

Display for setpoint adjustments

Password protected

User-friendly interface w/ display

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Technical specifications

## STANDARD CONFIGURATION

GR 487 Seismic Zone 4 capable

GR 487 Salg Fog Resistance Capable

Modbus communication interface

## DIMENSIONS

|        |    |     |      |      |
|--------|----|-----|------|------|
| Height | mm | 602 | inch | 23,7 |
| Width  | mm | 305 | inch | 12,0 |
| Depth  | mm | 125 | inch | 4,9  |
| Weight | kg | 10  | lbs  | 22   |

## Electrical Data

|   |   |          |
|---|---|----------|
| Voltage (Nominal)                         | V | 48       |
| Voltage (Operating range)                 | V | 36-60 DC |
| Current (35°C/35 95°F/95°F)               | A | 1,3      |
| Power Consumption (35°C/35°C   95°F/95°F) | W | 60       |

## Controls

|                            |                         |
|----------------------------|-------------------------|
| Temperature Control Method | Precision Temp. Control |
| Fan Drive                  | Variable speed          |

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## COOLING PERFORMANCE

|                                    |                   |     |       |       |
|------------------------------------|-------------------|-----|-------|-------|
| Cooling capacity (Nominal)         | W/K               | 30  | W/F   | 17    |
| Cooling capacity (15°C temp. dif.) | W                 | 450 | BTU/h | 1.535 |
| Internal airflow (Actual)          | M <sup>3</sup> /h | 250 | CFM   | 147   |
| External airflow (Actual)          | M <sup>3</sup> /h | 250 | CFM   | 147   |

## AMBIENT TEMPERATURE RANGE

|                                |    |     |    |      |
|--------------------------------|----|-----|----|------|
| Maximum                        | °C | -40 | °F | +5   |
| Minimum                        | °C | +55 | °F | +131 |
| Extended operation range (min) | °C | -40 | °F | -40  |
| Extended operation range (max) | °C | +55 | °F | +131 |

## ENVIRONMENTAL INFORMATION

### EER (L35/L35)

|      |          |      |
|------|----------|------|
| — °C | W / W    | 7,5  |
| — °F | BTU/h /W | 25,6 |

### NOISE LEVEL

|         |       |    |
|---------|-------|----|
| — Day   | dB(A) | 65 |
| — Night | dB(A) | 65 |