

# VHC DC 100 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

Recessed 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 set-point adjustment

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	915	inch	36,0
Width	mm	455	inch	17,9
Depth	mm	220	inch	8,7
Weight	kg	31	lbs	68

## Electrical Data

Voltage (Nominal)	V	48
Voltage (Operating range)	V	36-60 DC
Current (35°C/35 95°F/95°F)	A	4,0
Power Consumption (35°C/35°C   95°F/95°F)	W	190

## Controls

Temperature Control Method	Precision Temp. Control
Fan Drive	Variable speed

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## COOLING PERFORMANCE

Cooling capacity (Nominal)	W/K	100	W/F	56
Cooling capacity (15°C temp. dif.)	W	1.500	BTU/h	5.118
Internal airflow (Actual)	M <sup>3</sup> /h	525	CFM	309
External airflow (Actual)	M <sup>3</sup> /h	525	CFM	309

## 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	7,9
— °F	BTU/h /W	26,9

### NOISE LEVEL

— Day	dB(A)	65
— Night	dB(A)	65