# 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	Customer control parameter settings
Several colours and finishes	Self-test functionality
NEMA 4 Rating	Recessed mounting

### **UNIT DESIGN**

# Aluzinc Steel Powder-coated in RAL 9016 Epoxy coated heat exchanger core External mounting Multiple options and configurations available

### **CONTROLS**

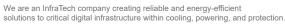
Fan speed controller with alarm output

RS485 communication interface

Display for setpoint adjustments

Password protected set-point adjustment

User-friendly interface w/ display







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### 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)	А	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)	M³/h	525	CFM	309
External airflow (Actual)	M³/h	525	CFM	309
AMBIENT TEMPERATURE RANGE				
AMBIENT TEMPERATURE RANGE  Maximum	°C	-40	°F	+5
	°C	-40 +55	°F	+5
Maximum	_			

### **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

