

JETVENT

The **Integrated**
car park
ventilation solution

JetVent
Ultra Low-Height
NOW AVAILABLE


FANTECH
Intelligent Ventilation

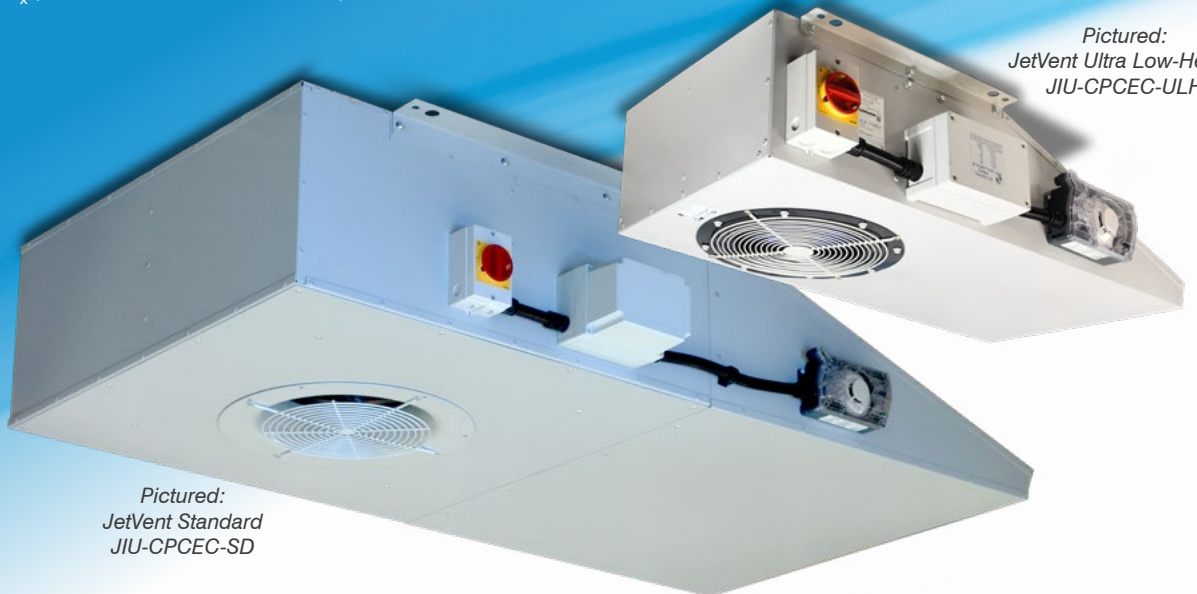


Digital EC Series JetVent Fans

The Digital EC series of JetVent fans represents the next step in fully integrated car park ventilation systems. These energy efficient fans are designed to clear harmful pollutants from enclosed or semi enclosed car parks. They feature advanced digital EC motor technology with integrated speed control, doing away with VSDs, current overloads and motor phase protection. It even simplifies electrical connections between fans in the car park.

JetVent Ultra Series are the newest addition to the Digital EC range. They feature an innovative and high performance mixed flow impeller with highly efficient blade geometry. Their fully optimised and compact design produce powerful thrust without increasing noise levels. The Ultra Low-Height model (ULH) features a compact overall size and an Ultra narrow height, which makes it ideal for car parks with limited floor to ceiling dimensions.

However, the revolutionary feature of this system is ComLink, the digital communication between JetVent fans, sensors and the pre-configured Digital Aviator MAX Controller. The result is a very simple control wiring scheme that is easy to install and easy to commission while providing the ultimate in energy efficiency and system monitoring. The JetVent Digital EC system will vary the operating speed of the impulse fan units and therefore the ventilation rate, according to the CO or NO_x pollutant levels in the car park.



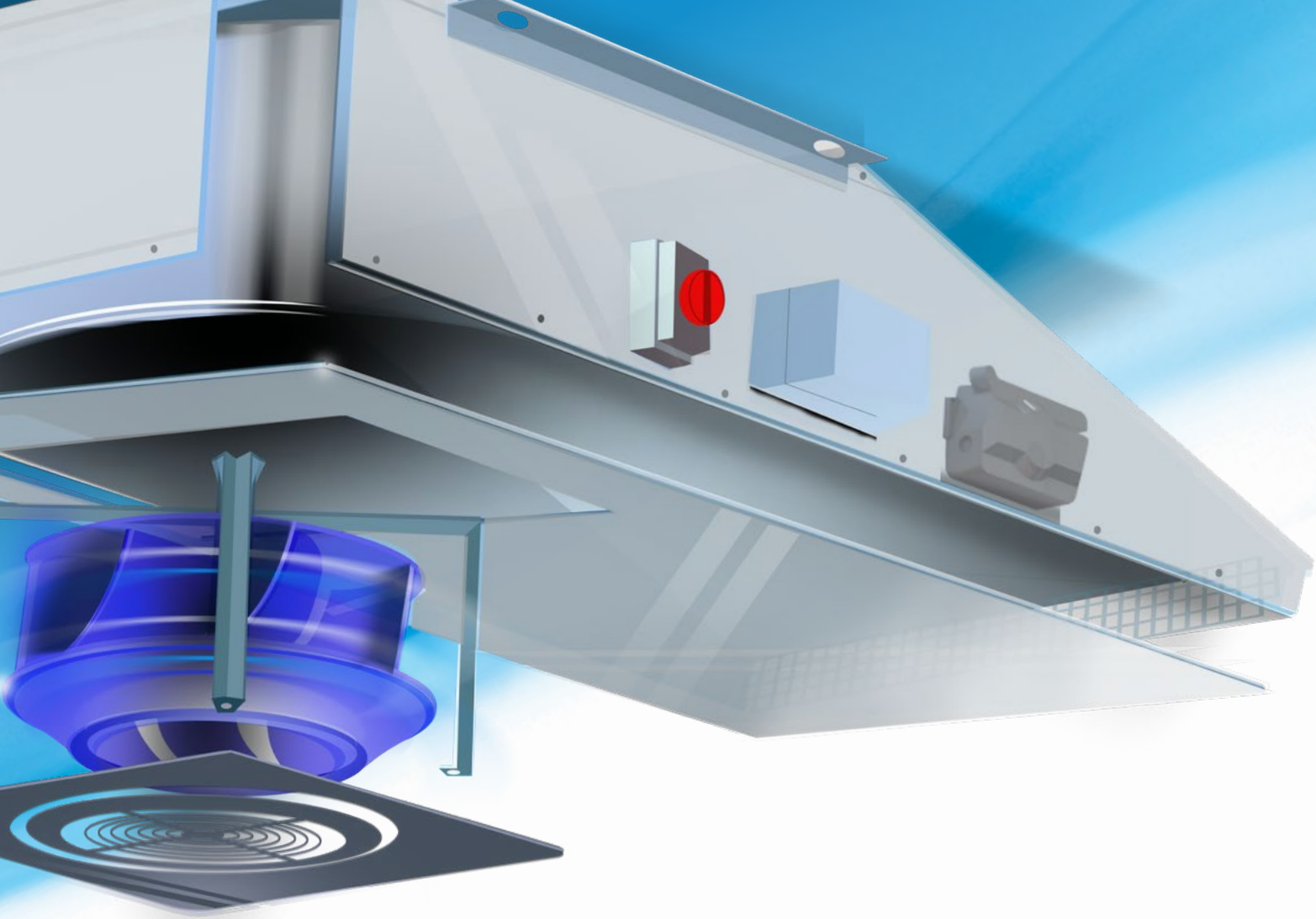
*Pictured:
JetVent Standard
JIU-CPCEC-SD*

*Pictured:
JetVent Ultra Low-Height
JIU-CPCEC-ULH*

Integrated smoke detection

The Digital EC JetVent fans now come with a factory fitted and fully integrated smoke detection kit that ensures a simplified installation and reliable operation. This innovative feature allows the Fantech intelligent Aviator MAX controller, or BMS, to monitor for smoke and activate quick shut down.





Product Code	Fan Speed		Thrust Rating		Car park Installed Noise Levels		Free-field Noise Rating		Power Consumption		Current		Input Power	
	rpm		N		dB(A) @ 8m [#]		dB(A) @ 3m ^{**}		kW		A			
	High speed	Pre-set speed*	High speed	Pre-set speed*	High speed	Pre-set speed*	High speed	Pre-set speed*	High speed	Pre-set speed*	High speed	Pre-set speed*		
JetVent EC Series	JIU-CPCEC-HP	1230	858	91.8	48.2	75.2	65.0	65.8	56.5	2.9	1.0 [~]	4.8	1.6	415V
	JIU-CPCEC-SD	1770	1296	52.2	28.4	72.4	65.0	64.4	56.7	1.7	0.7 [~]	2.9	1.1	415V
	JIU-CPCEC-LH	1770	1120	46.8	18.9	76.4	65.0	68.7	56.7	1.7	0.4 [~]	2.9	0.8	415V
JetVent EC Ultra Series	JIU-CPCEC-USD	1450	1400	38.9	36.5	66.5	65.0	58.3	56.7	1.1	1.1	1.8	1.8	415V
	JIU-CPCEC-ULH	2100	2100	23.0	23.0	64.8	64.8	56.8	56.8	0.56	0.56	2.8	2.8	240V

[#] Car park installed noise levels apply 8m away from the fan with multiple fans operating.

^{**}Free-field noise rating applies 3m away from the fan with multiple fans operating.

Contact your nearest Fantech office to confirm if this is applicable to your installation.

[~] Estimated power consumption.

* Pre-set speed so fan does not operate above the AS2107:2000 recommended noise level of 65dB(A) @ 8m.

Aviator MAX

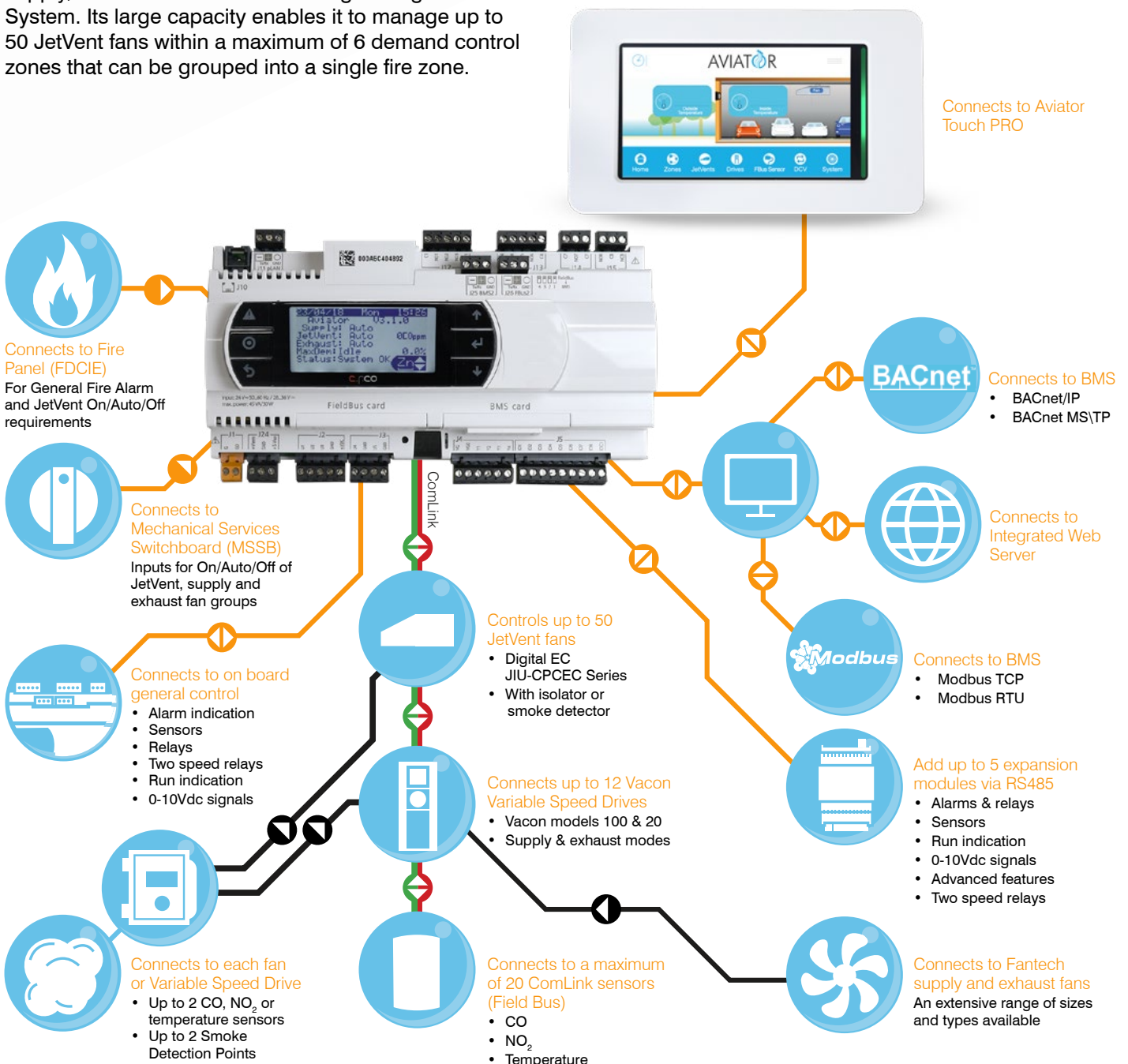
Commercial car park controller

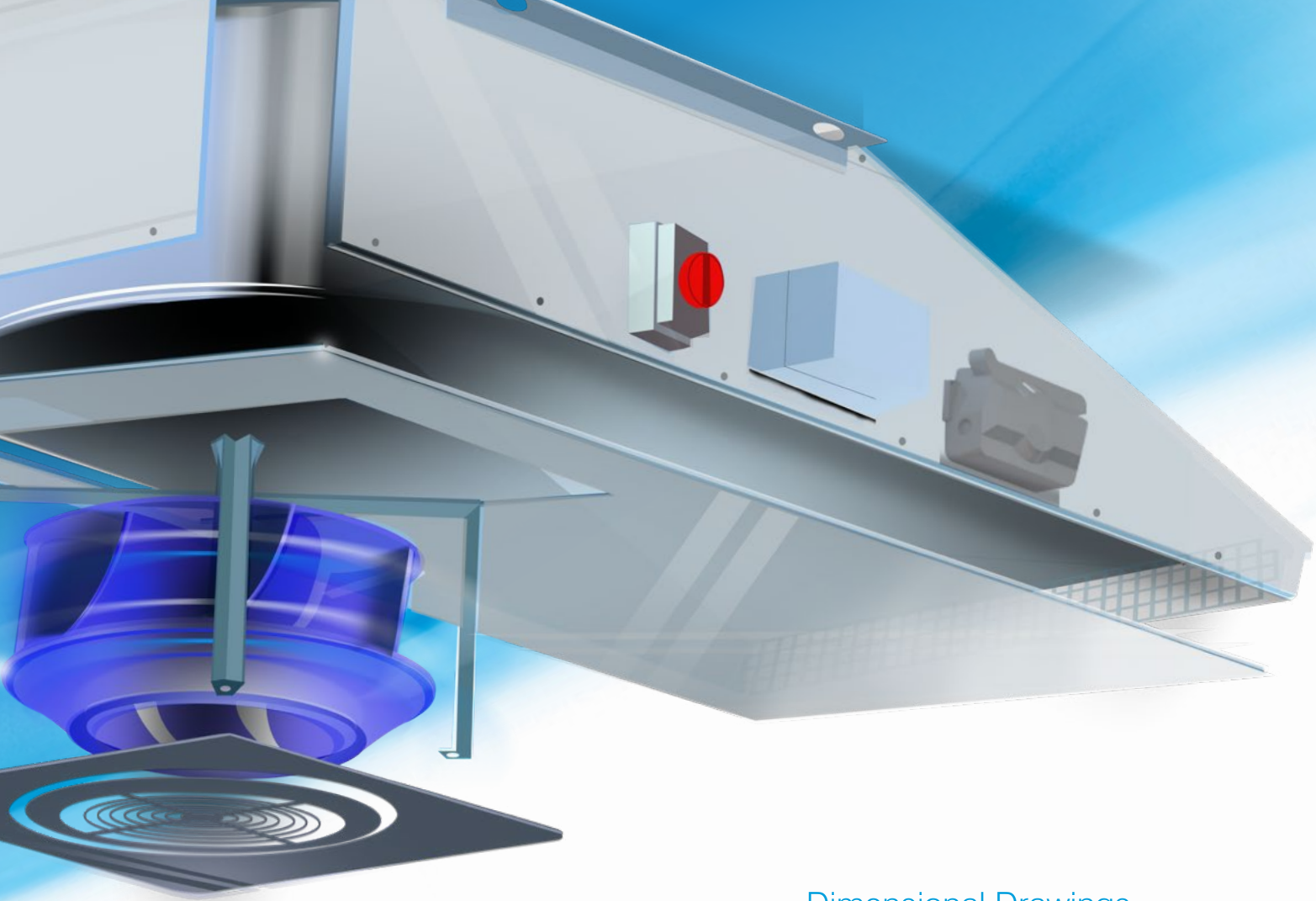
The Aviator MAX Control System is a tailored solution designed to efficiently manage the car park ventilation equipment. It can be configured to control a duct-free JetVent Ventilation system or a traditional ducted network in digital or analogue modes.

Aviator MAX has been developed to increase the energy efficiency of a car park, while ensuring the ventilation output is optimised. Aviator MAX works in conjunction with JetVent fans, CO and NO_x pollutant sensors, VSDs, supply/exhaust fans and the Building Management System. Its large capacity enables it to manage up to 50 JetVent fans within a maximum of 6 demand control zones that can be grouped into a single fire zone.

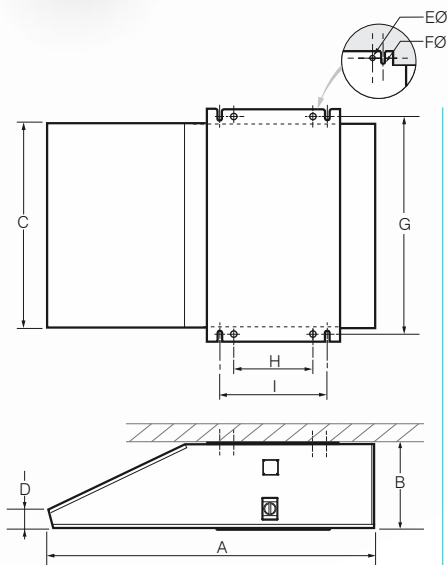
Aviator MAX is a flexible Demand Control Ventilation system that comes factory preconfigured to suit the requirements of each car park. As the pollutant levels change within the car park over the course of a day, the Aviator system increases and decrease the fan speed to adjust the ventilation rate accordingly.

Aviator MAX can be configured to receive a fire alarm signal from the building's fire system. This will start and stop the connected JetVent fans and supply/exhaust fans in accordance with the fire control strategy. Aviator's easy to use interface enables the manual start/stop control of JetVent fans from the fire panel.

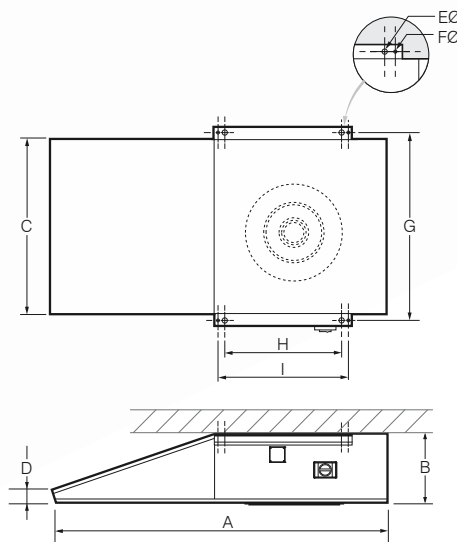




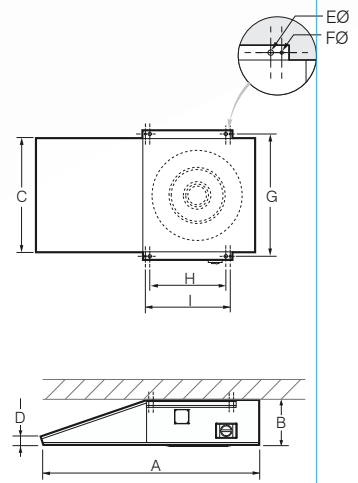
Dimensional Drawings



JIU-CPCEC-HP



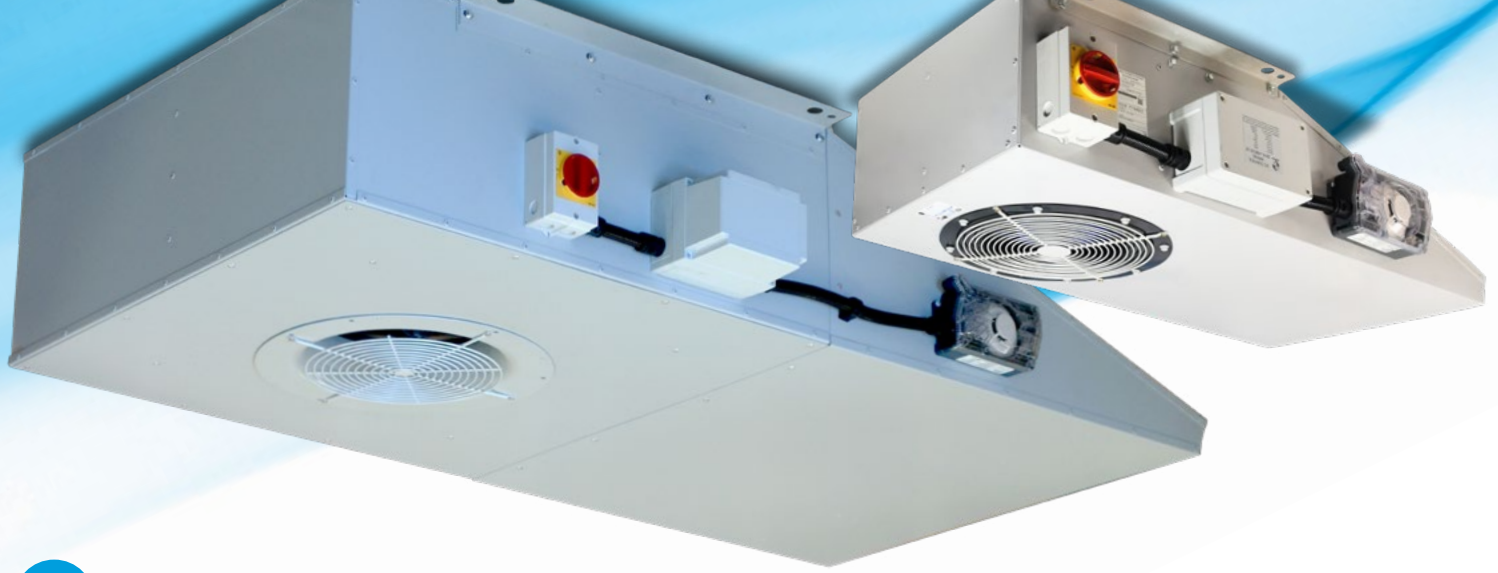
JIU-CPCEC-USD/SD/LH



JIU-CPCEC-ULH

Product Code	A	Vertical Height B	C	D	E	F	G	H	I	Approx. Weight kg
JIU-CPCEC-HP	1833	492	1151	110	30	16	1240	450	600	160
JIU-CPCEC-USD	1745	370	906	68	25	13	973	605	675	89
JIU-CPCEC-SD	1745	370	906	68	25	13	973	605	675	89
JIU-CPCEC-LH	1745	322	906	68	25	13	973	605	675	89
JIU-CPCEC-ULH	1040	262	488	55	20	12	537	350	410	26

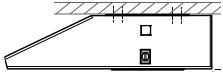
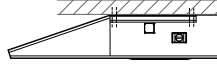
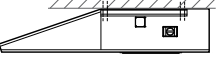
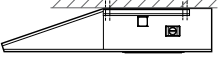
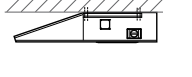
Dimensions in mm



How to Order

Step 1

Select the EC JetVent fan model based on their recommended spacing/coverage and the space needing to be ventilated.

Recommended Spacing*	Recommended Coverage*	JetVent Code
50m	1000m ²	 JIU-CPCEC-HP
35m	730m ²	 JIU-CPCEC-USD
30m	560m ²	 JIU-CPCEC-SD
25m	430m ²	 JIU-CPCEC-LH
20m	350m ²	 JIU-CPCEC-ULH

Step 2

Select Isolator or Smoke Detection Kit



ISOLATOR KIT

HP, USD, SD, LH JetVent Models
Code: JIU-ISOLATORKIT

ULH JetVent Model

Code: JIU-ISOLKIT-ULH



SMOKE DETECTOR KIT

HP, USD, SD, LH JetVent Models
Code: JIU-SMOKEKIT

ULH JetVent Model

Code: JIU-SMOKEKIT-ULH

*Recommended Spacing & Coverage figures are to be used as a design guide only and are subject to variance with respect to car park usage type, supply/exhaust rates and car park geometry. Final spacing will be confirmed via CFD analysis.



FANTECH
Intelligent Ventilation

Fantech Pty. Ltd.

Victoria: (+61 3) 9554 7845
 New South Wales: (02) 8811 0400
 South Australia: (08) 8294 0530
 Northern Territory: (08) 8947 0447
 Queensland: (07) 3299 9888
 Western Australia: (08) 9209 4999
 A.C.T.: (02) 6280 5511
 New Zealand: (09) 444 6266

www.fantech.com.au |    

For sales enquiries contact:

Specifications and design subject to change without notice.

A MEMBER OF  ELTA GROUP