

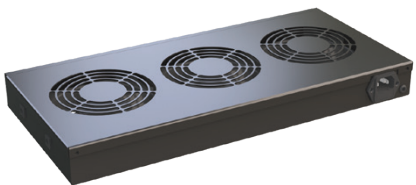
VENTILATION UNITS



DP-VEC/VEN-09



DP-VEC/VEN-06



DP-VEC/VEN-03

Once installed within CONTEG racks, IT components require sufficient airflow to help them remain cool and functioning properly. When sufficiently cool environments cannot be sustained, they require assistance: installing CONTEG ventilation units.

We offer different styles, sizes, types and accessories—we've even developed DP-VEC units with highly efficient EC fans, to reduce operation costs.

EC motors technology

Efficient, ecological and economical! New high-quality fans (produced in Europe by the reputable Ebm-papst) feature electronically commuted (or EC) synchronous motors, which offer very low power consumption in comparison to standard AC motors. In fact, power consumption of our new DP-VEC ventilation unit is seven times lower than the standard DP-VEN, which has equal airflow. Additionally, our DP-VEC provides up to 60% more airflow (with an equal number of fans and required air pressure) than DP-VEN.

Code	Airflow (m ³ /h)	Max. rated current (A)	Power consumption (W)	Annual power consumption ¹ (kWh/year)	Possible heat removal ² (kW)	Package
Standard AC fans Specific fan power (SFP) = 611 W/(m ³ /s)						
DP-VEN-02	224	0.180	38	333	0.38	1 pc
DP-VEN-03	336	0.270	57	499	0.57	1 pc
DP-VEN-04	448	0.360	76	666	0.76	1 pc
DP-VEN-06	672	0.540	114	999	1.14	1 pc
DP-VEN-09	1008	0.810	171	1498	1.71	1 pc
High-end EC fans Specific fan power (SFP) = 88 W/(m ³ /s)						
DP-VEC-03	540	0.057	13.2	116	0.92	1 pc
DP-VEC-06	1080	0.114	26.4	231	1.84	1 pc
DP-VEC-09	1620	0.171	39.6	347	2.75	1 pc

¹ For non-stop operation.

² If temperature difference between intake and exhaust air from the rack is Δt = 5 K.

Ventilation unit type *	Connecting kit for installation in top or bottom frame of free-standing racks							
	Ri7				RF1			
	Depth of 600, 800 or 1200 mm		Depth of 1000 mm		Depth of 600 or 800 mm		Depth of 1000 or 1200 mm	
	Without filter	With filter	Without filter	With filter	Without filter	With filter	Without filter	With filter
DP-VEx-02, 03	DP-VER-03	DP-VER-03F	DP-VER-031	DP-VER-031F	DP-VER-03	DP-VER-03F	DP-VER-031	DP-VER-031F
DP-VEx-04, 06	DP-VER-06	DP-VER-06F	DP-VER-061	DP-VER-061F	DP-VER-06	DP-VER-06F	DP-VER-061	DP-VER-061F
DP-VEx-09	-	-	DP-VER-091	DP-VER-091F			DP-VER-091	DP-VER-091F

* Replace x with N or C.

DESCRIPTION

- Used to force airflow through a rack to assist with cooling
- 2 to 9 ventilators
- Installation variables:
 - In 19" extrusions—horizontally
 - In top or bottom frame of a free-standing rack
- Connecting kit for ventilation unit needed when installing in top or bottom frame
- Temperature range: from -10 °C up to +55 °C
- Thermostat ranges from 0–60 °C included (optionally without thermostat)
- Voltage range 230 V / 50–60 Hz (48 V DC optional)
- Protection: podle EN 60529, IP 20
- Color: powder-coated RAL 9005
- Standard solution with AC fans: DP-VEN-XX
- High-end version with most efficient EC fans: DP-VEC-XX
- Package includes:
 - Ventilation unit with 19" brackets
 - Thermostat
 - Power supply cable
 - DP-MO-01 installation set

FANS



DP-VE-N-01

- Forces air through racks
- Two versions:
 - with thermostat and metal chassis: DP-VE-N-01 (for -VC openings)
 - without thermostat and metal chassis: DP-VE-01 (for -VH or -TH openings)
- Can be installed either on side or top of wall-mounting rack:
 - Special perforation needed—ordering code to be extended:
 - a) VH for 2× side perforation or TH for 2× top cover perforation; both for DP-VE-01 only
 - b) VC for 2× center-oriented holes for DP-VE-N-01
 - In top or bottom frame of distribution rack, requires perforated gland plate DP-VE-ROV2 or DP-VE-ROV4
- Package includes:
 - DP-VE-01: Fan with grid, power cable, 8× screws, 8× nuts
 - DP-VE-N-01: Fan in-house, power cable, thermostat, 4× screws, 4× nuts

Code	Airflow (m ³ /h)	Max. rated current (A)	Power consumption (W)	Annual power consumption ¹ (kWh/year)	Possible heat removal ² (kW)	Package
Standard AC fans						
Specific fan power (SFP) = 611 W/(m ³ /s)						
DP-VE-01	112	0.09	19	166	0.19	1 ks
DP-VE-N-01	112	0.09	19	166	0.19	1 ks

¹ For non-stop operation.

² If temperature difference between intake and exhaust air from the rack is $\Delta t = 5$ K.

LITE VENTILATION UNIT



DP-VEL-04

- Forces air through racks to assist with cooling
- Two or four AC fans
- Can be installed in either top or bottom frame of free-standing rack
- Connecting kit for ventilation unit (included)
- Temperature range: -10 °C to 55 °C
- Thermostat range (if included): 0 °C to 60 °C
- Voltage range: 230 V / 50–60 Hz
- Protection category: EN 60529, IP20
- Color: powder-coated RAL 9005
- Package includes:
 - Ventilation unit with mounting plate
 - Thermostat (if part of model)
 - Power supply cable
 - Installation set: 4× screws, 4× nuts

Code	Description	Package
DP-VEL-02	Ventilation unit, 2 fans, with thermostat, for top or bottom installation into Ri7 racks with depths of 600, 800 and 1 200 mm	1 pc
DP-VEL-02B	Ventilation unit, 2 fans, without thermostat, for top or bottom installation into Ri7 racks with depths of 600, 800 and 1 200 mm	1 pc
DP-VEL-02/100	Ventilation unit, 2 fans, with thermostat, for top or bottom installation into 1 000 mm deep Ri7 racks	1 pc
DP-VEL-02B/100	Ventilation unit, 2 fans, without thermostat, for top or bottom installation into 1 000 mm deep Ri7 racks	1 pc
DP-VEL-04	Ventilation unit, 4 fans, with thermostat, for top or bottom installation into Ri7 racks with depths of 600, 800 and 1 200 mm	1 pc
DP-VEL-04B	Ventilation unit, 4 fans, without thermostat, for top or bottom installation into Ri7 racks with depths of 600, 800 and 1 200 mm	1 pc
DP-VEL-04/100	Ventilation unit, 4 fans, with thermostat, for top or bottom installation into 1 000 mm deep Ri7 racks	1 pc
DP-VEL-04B/100	Ventilation unit, 4 fans, without thermostat, for top or bottom installation into 1 000 mm deep Ri7 racks	1 pc

Code	Airflow (m ³ /h)	Max. rated current (A)	Power consumption (W)	Annual power consumption ¹ (kWh/year)	Possible heat removal ² (kW)
DP-VEL-02	224	0,180	38	333	0,38
DP-VEL-04	448	0,360	76	666	0,76

¹ For non-stop operation.

² If temperature difference between intake and exhaust air from the rack is $\Delta t = 5$ K.