

CJV/EW



E.C. TECHNOLOGY WITH BUILT-IN VSD



Automatic operation extractor fan units with vertical air outlet, E.C. Technology motors and constant pressure control for mechanical ventilation in homes (CMV).



Model CJV/EW-1800/T approved for 400 °C/2 h



Fan:

- Extractor fan units with vertical impulsion and two circular extraction nozzles.
- Galvanised sheet steel casing.
- Forward-curved impeller made of galvanised sheet steel.
- Single-phase electric variable speed drive (VSD) supplied with fan.

Motor:

- High-efficiency (IE4) synchronous E.C. motors. Fitted with high-intensity neodymium magnets.
- High-reliability sensorless control, which requires no maintenance.
- Fitted with long-life ball bearings.
- IP55 protection.
- Fan operating temperature: -25 °C +60 °C.
- CJV/EW-1800/T: Fan operating temperature: S1 continuous operation -25 °C +60 °C. S2 operation 400 °C/2h.
- Approved in accordance with standard EN 12101-3.

Electronic variable speed drive:

- Speed adjusted based on pressure setpoint.
- Automatic PI control built into the variable speed drive and differential pressure probe.
- Variable speed drive parameters easily configurable via Display and Keypad.
- Supplied with a START/STOP safety switch that is fully wired and ready to be installed.
- Available with single-phase 220-240 V 50/60 Hz input.
- VSD operating temperature: -25 °C +50 °C

Finish:

- Anti-corrosive finish on galvanised sheet steel ready for outdoor installation.

On request:

- Horizontal impulsion fan.

Technical characteristics

	Speed min./max. (r/min)	Single-phase VSD 230 V 50/60 Hz Maximum inlet current (A)	Maximum electric power (W)	Sound pressure level min./max. Lp dB(A)	Approx. weight (kg)	According to ErP
CJV/EW-1800	300/1800	5.2	660	21 / 60	35	2018
CJV/EW-1800/T	300/1800	5.2	660	21 / 60	35	2018

Acoustic characteristics

Sound power spectrum Lw(A) in dB(A) per Hz frequency band.

Irradiated values at 1700 m³/h -250 Pa

	63	125	250	500	1000	2000	4000	8000
CJV/EW-1800	44	54	65	72	76	73	71	64
CJV/EW-1800/T	44	54	65	72	76	73	71	64



Erp. (Energy Related Products)

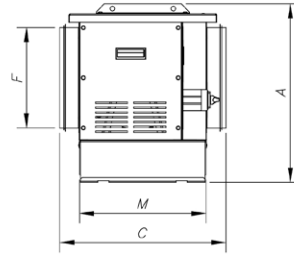
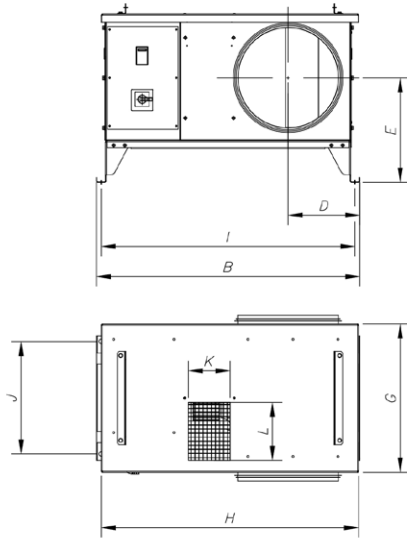
Information on Directive 2009/125/EC can be downloaded from the SODECA website or the QuickFan selector programme.

Accessories

See accessories section.



Dimensions mm



	A	B	C	D	E	F	G	H	I	J	K	L	M
CJV/EW-1800	560	815	520	225	325	315	460	800	780	345	130	180	395
CJV/EW-1800/T	560	815	520	225	325	315	460	800	780	345	130	180	395

Characteristic curves

Flow rate in m³/h. Static pressure in Pa. Electric power in W. Irradiated sound pressure at 4 m.

