

In-line ventilation units for rectangular ducts



Office
buildings

Residential
environments

Commercial
environments



CJVR

-  Compact design
-  Easy installation and maintenance
-  Removable side covers
-  Low noise level





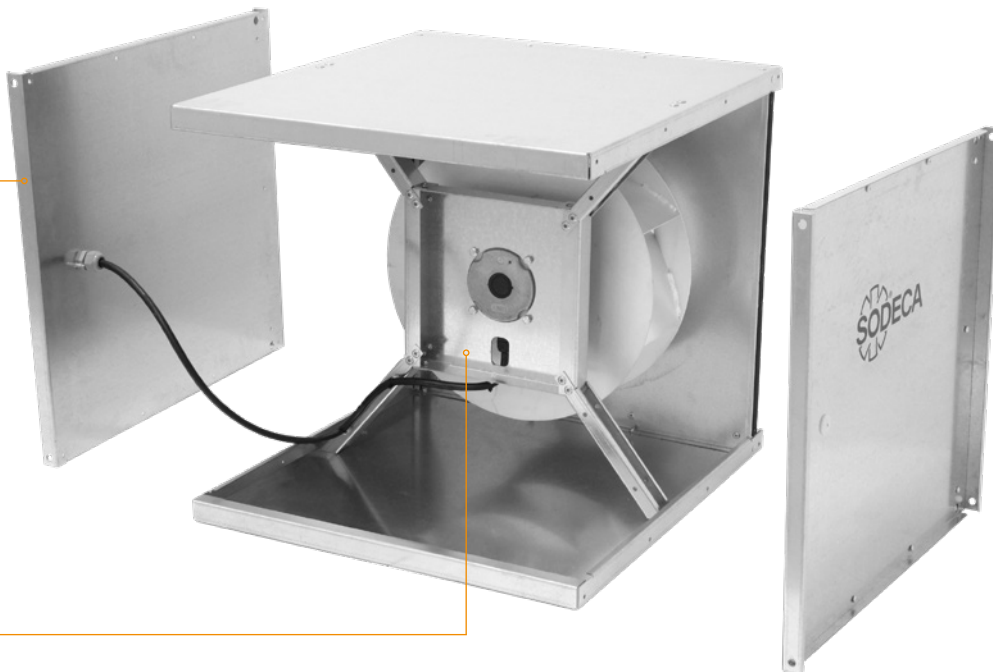
Ventilation and comfort in indoor spaces

Removable covers

Being able to remove side covers simply allows quick access to inside the unit and streamlines cleaning and maintenance tasks.



In-line ventilation boxes for CJVR rectangular ducts have been designed to capture and extract air in office buildings and residential or commercial environments.



Low noise level

The unit has been designed to reduce vibrations and noise during its operation, making these units a suitable option for spaces where a low noise level is sought.



Ease of installation

The compact design of the unit facilitates the installation in rectangular ducts. In turn, the junction box is located on the outside of the structure, simplifying the connection process.



The in-line ventilation units for rectangular ducts offer the **possibility of choosing between two different models**, which allows you to select the most suitable option according to performance, durability and energy efficiency needs.



CJVR-RE

The CJVR-RE in-line ventilation boxes are equipped with an external rotor motor with thermal protector and aluminium backward-curved impeller. This motor stands out for its greater cooling capacity, as the rotor is exposed to the air, and its compact design improves start-up, speed and torque.

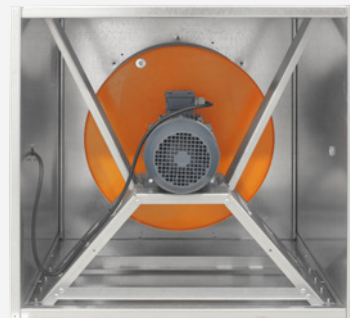
Using aluminium in the backward-curved impeller reduces its weight and optimises energy efficiency. Being lighter, it consumes less energy in its operation.



CJVR

The IEC motor and the backward-curved impeller with polyester resin anti-corrosion treatment boost the efficiency, durability and reliability of CJVR in-line ventilation boxes.

The motor ensures constant performance and the corrosion-protected impeller prolongs its life even in adverse conditions.



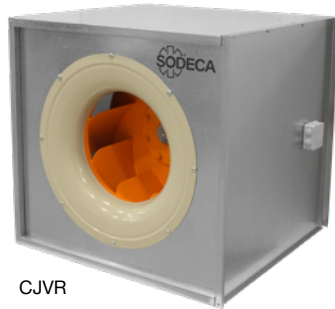
CJVR



In-line ventilation units for rectangular ducts with high efficiency backward curved impeller



CJVR-RE



CJVR

In-line ventilation units for rectangular ducts with high efficiency backward curved impeller, removable side covers and external connections box.

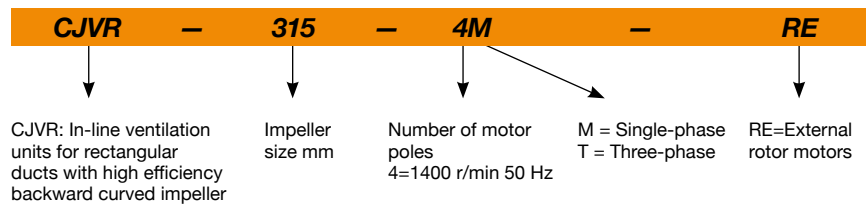
Fan:

- Galvanised sheet steel structure.
- Flanges for connection to rectangular duct in inlet and outlet.
- Removable covers for installation and maintenance.
- Linear airflow direction.
- Backward curved impeller in sheet steel, with polyester resin anti-corrosive treatment.
- RE version: Aluminum backward curved impeller.

Motor:

- IE3 efficiency motors, class F, ball bearings and IP55 protection from model 450 and up.
- RE version: External rotor motors, with built-in thermal protector, class F, ball bearings and IP54 protection.
- Single-phase 230 V 50 Hz and three-phase 230/400 V 50 Hz.
- Maximum temperature of air to be carried: -25 °C +60 °C.

Order code



Technical characteristics

Model	Speed (r/min)	Voltage (V)	Maximum admissible current (A)		Installed mechanical power (kW)	Max. electric power (kW)	Phases	Maximum flow rate (m³/h)	Sound pressure level ¹ dB (A) Irradiated	Approx. weight (Kg)
			230V	400V						
CJVR-315-4M-RE	1400	230	0.60		0.14	0.16	1	1620	51	10
CJVR-355-4M-RE	1400	230	0.75		0.17	0.21	1	1910	55	14
CJVR-400-4T-RE	1410	Δ230 / Y400	2.07	1.20	0.52	0.53	3	3720	58	34
CJVR-400-4T	1420	Δ230 / Y400	2.40	1.40	0.55	0.56	3	4165	61	49
CJVR-450-4T	1455	Δ230 / Y400	4.17	2.40	1.10	0.94	3	5870	60	66
CJVR-500-4T	1435	Δ230 / Y400	5.90	3.40	1.50	1.67	3	9040	63	83
CJVR-560-4T	1440	Δ230 / Y400	11.00	6.31	3.00	3.20	3	12130	65	107

1. Irradiated sound pressure levels obtained at a distance of 3 m in a free field, with rigid inlet/exhaust tubes.



Erp. (Energy Related Products)

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

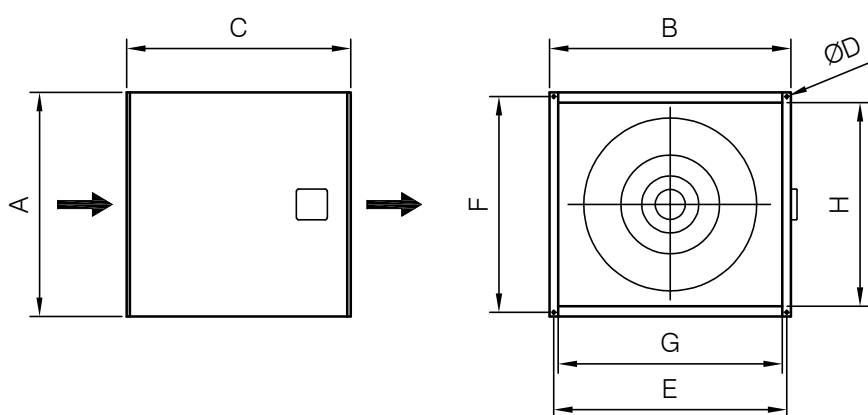
Acoustic characteristics

The values given are obtained under laboratory conditions according to ISO 3744.

Sound power spectrum $L_w(A)$ in dB(A) per Hz frequency band
Values measured at inlet with maximum velocity and flow rate

	63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000
CJVR-315-4M-RE	84	83	72	66	60	58	57	48	CJVR-450-4T	90	90	83	77	69	68	65	67
CJVR-355-4M-RE	86	88	74	69	63	60	63	55	CJVR-500-4T	90	93	86	77	75	72	69	72
CJVR-400-4T-RE	90	88	79	75	67	64	63	71	CJVR-560-4T	91	95	88	79	77	74	73	73
CJVR-400-4T	87	90	80	77	72	72	72	72									

Dimensions mm



	A	B	C	ØD	E	F	G	H
CJVR-315-RE	400	450	400	10	425	375	400	340
CJVR-355-RE	500	550	500	10	525	475	500	440
CJVR-400-RE	550	600	600	10	575	525	550	490
CJVR-400	550	600	600	10	575	525	550	490
CJVR-450	650	700	700	10	675	625	650	590
CJVR-500	750	800	800	10	775	725	750	690
CJVR-560	800	850	850	10	825	775	800	740

Accessories



INT



RM



VSD3/A-RFT
- VSD1/A-RFM



VSD1/M



RMC



KIT CAUDAL
CONSTANTE

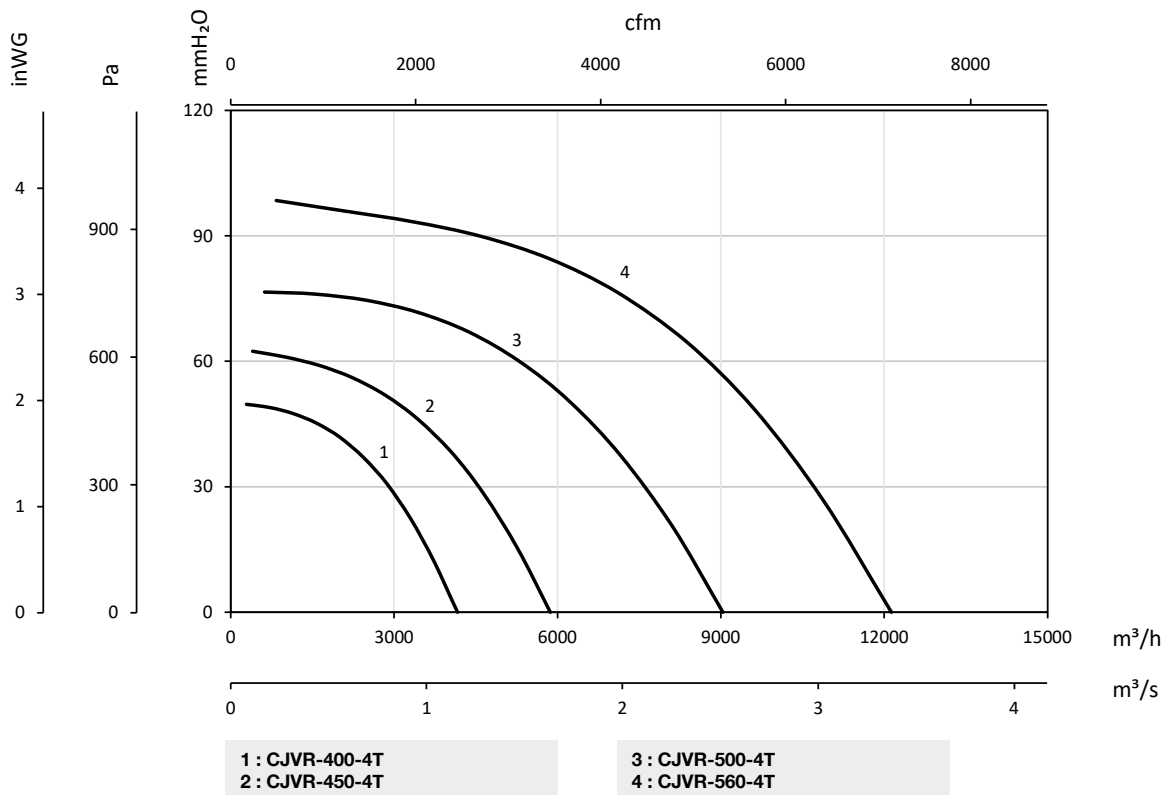
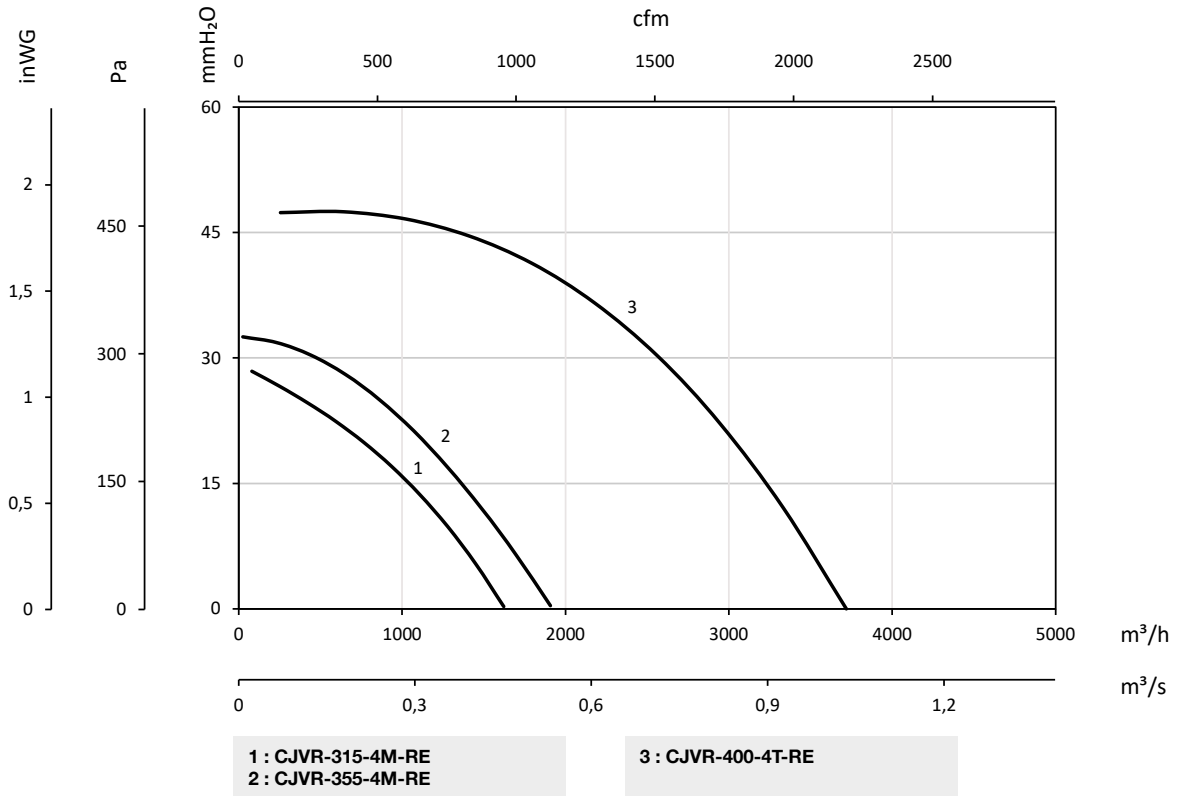


SI-HUMEDAD

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inwg



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