

VCZ

Collective fans for attics

5 models of fans: airflows from 500 m³/h up to 4 100 m³/h, pressures up to 300 Pa.



Low energy consumption: electronic commutation motor associated with an automatic pressure control device.

Solidity and reliability: metal construction, made in Germany.



Easy to install: attached to the floor, the wall, or a beam at four points.



DCV compatible: built-in automatic pressure control device to optimise DCV performance.



Silent: acoustic foam on the entire shell and optional sound trap.



Easy to maintain: motor readily accessible by a trapdoor to clean the fan blades.

High-quality collective fans for attic installation

There are five models of VCZ attic exhaust fans, with capacities from 500 m³/h up to 4 100 m³/h to equip apartment blocks, offices, schools, and other types of building. VCZ fans are designed for installation in attics, on the floor, on the wall, or attached to a beam. They are characterised by their solidity and excellent energy efficiency, thanks to the use of high-performance electronic commutation motors and a built-in pressure control device.

Easier maintenance (1)

VCZ fans have a trapdoor allowing direct access to the motor for impeller cleaning. The latches can be padlocked or replaced by screws, according to version.

Electronic commutation motor for optimum power consumption at all times (2)

In conjunction with the pressure control device, the EC-motor automatically adjusts the power to the required airflow, while maintaining a constant pressure. The motor has a thermo-switch and an output that can be used to diagnose a possible fault. There is a nearby switch to cut off power to the fan instantaneously if there is a problem, or for maintenance.

Pressure control device (3)

A pressure control system built into the roof exhaust fan makes it easy to define the pressure. The pressure measured by the built-in pressure gauge is displayed on a digital screen. It is automatically regulated to optimise the system when working with demand controlled exhaust units. A 0-10 V output is available to monitor its operation.



1



2



3



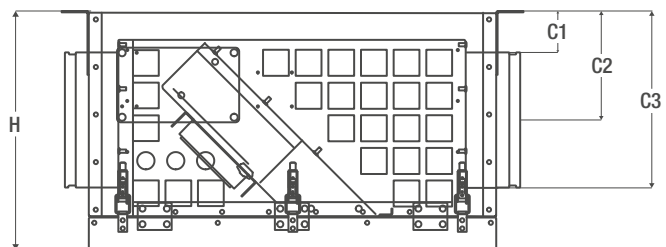
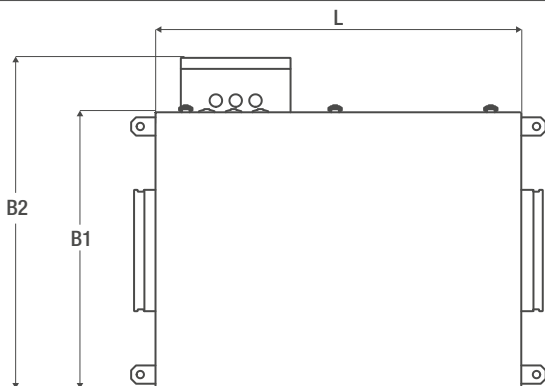
VCZ Collective fans for attics

		VCZ 0	VCZ 1	VCZ 2	VCZ 3	VCZ 4
Standard code		VCZ1084	VCZ1085	VCZ1086	VCZ1087	VCZ1144
Airflow characteristics						
Max. possible airflow @ 130 Pa	m³/h	530	820	1500	2100	3500
Max. pressure	Pa	300	300	300	300	300
Pressure control device		■	■	■	■	■
Acoustics						
Max. sound power level Lw Pressure side	dB(A)	79	68	78	66	71
Max. sound power level Lw Suction side	dB(A)	75	64	79	75	73
Electrics						
Power supply		230 VAC / 50 Hz	230 VAC / 50 Hz	230 VAC / 50 Hz	230 VAC / 50 Hz	230 VAC / 50 Hz
Motor type		EC	EC	EC	EC	EC
Max. power	W	83	168	150	450	520
IP degrees of protection (motor)		IP54	IP54	IP54	IP54	IP54
Characteristics						
Weight	kg	22	24	32	37	75
Colour		metal	metal	metal	metal	metal
Material (main)		galvanised steel	galvanised steel	galvanised steel	galvanised steel	galvanised steel
Dimensions H - L		350 - 600	400 - 600	550 - 600	655 - 655	740 - 800
B1 - B2	mm	455 - 554	455 - 554	545 - 644	545 - 644	740 - 839
C1 - C2 - C3		60,5 - 160,5 - 260,5	60,5 - 185,5 - 310,5	83 - 260,5 - 438	110,5 - 310,5 - 510,5	122,5 - 372,5 - 622,5
Specifications ErP						
Information ErP				Upload ErP directive		
SFPint				1650		
Installation						
Duct connection	mm	ø200	ø250	ø355	ø400	ø500
Position		all positions possible (horizontal, vertical, cover up and down)				
Terrace or roof installation		-	-	-	-	-
Attic installation (protected)		■	■	■	■	■
Maintenance						
Proximity switch		■	■	■	■	■
Cleaning		cover opens for access to impeller				
Operation						
Direct-drive impeller		■	■	■	■	■
Max. speed	RPM	3 200	3 230	1 620	2 180	1 650

*For unidirectional NRVUs not intended to be used with a filter, SFPint calculation is not applicable

■ standard

Dimensions



FLV607GBL_v5