

## VCZ

Collective fans for attics

5 models of fans: airflows from 500 m<sup>3</sup>/h up to 4 100 m<sup>3</sup>/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 m<sup>3</sup>/h up to 4 100 m<sup>3</sup>/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

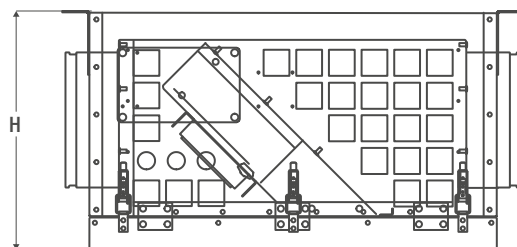
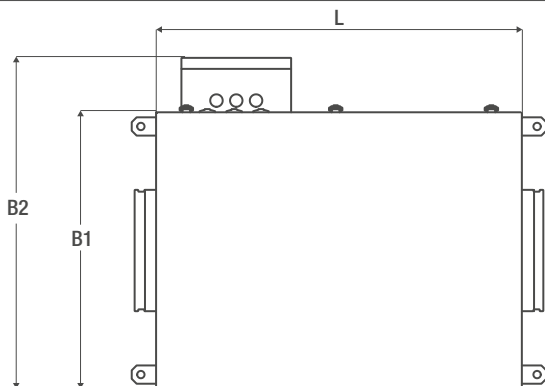


## VCZ Collective fans for attics

		VCZ 0	VCZ 1	VCZ 2	VCZ 3	VCZ 4
<b>Standard code</b>		VCZ1084	VCZ1085	VCZ1086	VCZ1087	VCZ1144
<b>Airflow characteristics</b>						
Max. airflow	m <sup>3</sup> /h	500	1 000	1 620	2 660	4 500
Max. pressure	Pa	300	300	300	300	300
Pressure control device		■	■	■	■	■
<b>Acoustics</b>						
Max. sound power level L <sub>w</sub>	dB(A)	79	68	78	72	72
<b>Electrics</b>						
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
<b>Characteristics</b>						
Weight	kg	22	24	32	34	72
Colour		metal	metal	metal	metal	metal
Material (main)		galvanised steel	galvanised steel	galvanised steel	galvanised steel	galvanised steel
Dimensions H - L B1 - B2	mm	350 - 600 455 - 547	400 - 600 455 - 547	550 - 600 545 - 637	550 - 600 545 - 637	740 - 800 740 - 832
<b>Installation</b>						
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)		■	■	■	■	■
<b>Maintenance</b>						
Proximity switch		■	■	■	■	■
Cleaning		cover opens for access to impeller				
<b>Operation</b>						
Direct-drive impeller		■	■	■	■	■
Max. speed	RPM	3 200	3 230	1 620	2 180	1 725

■ standard

Dimensions



FLV607GE\_v3