VTZ

COLLECTIVE FANS FOR FLAT AND SLOPING ROOFS

VTZ

Collective fans for outdoor installation

7 models of fans: airflows from 345 m³/h up to 6 800 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: many adapters available, possibility of custom construction.

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: the fan swings open to facilitate cleaning the blades.

Robustness and performance for collective outdoor installations

The VTZ line of fans includes models with capacities ranging from 345 m³/h up to 6 800 m³/h to equip apartment blocks, offices, schools, and other buildings. VTZ fans are designed for outdoor installation, on a flat or pitched roof. They feature robustness and excellent energy efficiency, thanks to the use of high-performance EC-motors and a built-in pressure control device.

Easier maintenance (1)

VTZ roof exhaust fans are hinged to make it easier to inspect the ducts, and if necessary to sweep and to clean the propeller. Two screws ensure the safety of this access.

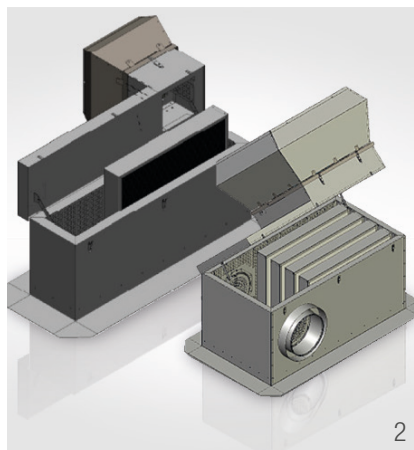### A wide range of adapters for all cases (2)

Aereco offers many aluminium and galvanised steel adapters for pitched roofs and for different duct geometries. Specific parts can also be custom-made on the basis of drawings (contact us).

Pressure control device (3)

A built-in pressure control system 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 control its operation.
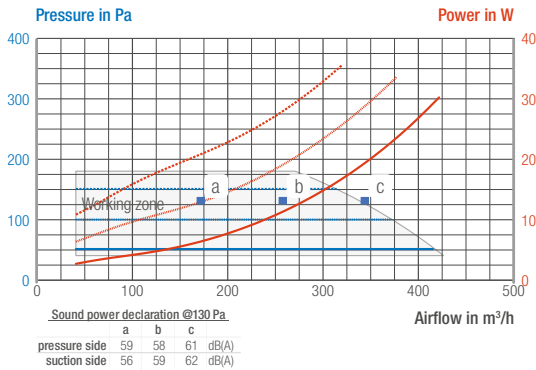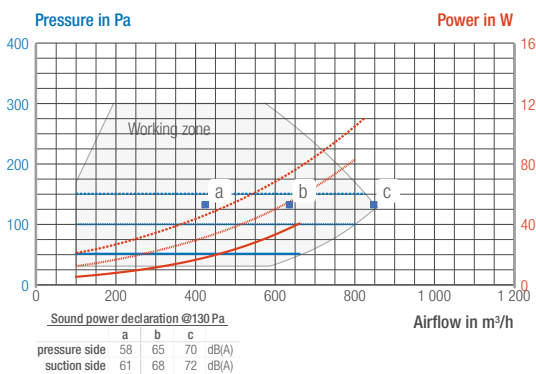

1

2

3

⚠ The following charts describe the fan alone without adapter ⬡
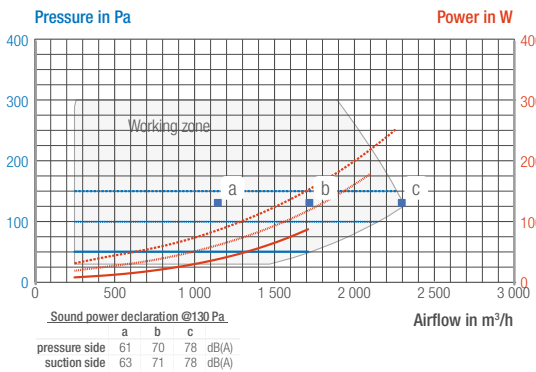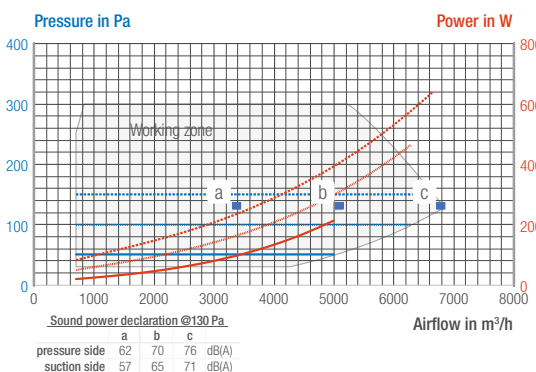
VTZ0.5

Pressure in Pa   Power in W

Working zone

a   b   c

Sound power declaration @130 Pa
Airflow in m³/h

	a	b	c	
pressure side	59	58	61	dB(A)
suction side	56	59	62	dB(A)

VTZ0

Pressure in Pa   Power in W

Working zone

a   b   c

Sound power declaration @130 Pa
Airflow in m³/h

	a	b	c	
pressure side	61	67	72	dB(A)
suction side	64	69	75	dB(A)

VTZ1

Pressure in Pa   Power in W

Working zone

a   b   c

Sound power declaration @130 Pa
Airflow in m³/h

	a	b	c	
pressure side	58	65	70	dB(A)
suction side	61	68	72	dB(A)

VTZ2

Pressure in Pa   Power in W

Working zone

a   b   c

Sound power declaration @130 Pa
Airflow in m³/h

	a	b	c	
pressure side	58	62	67	dB(A)
suction side	59	63	67	dB(A)

VTZ3

Pressure in Pa   Power in W

Working zone

a   b   c

Sound power declaration @130 Pa
Airflow in m³/h

	a	b	c	
pressure side	61	70	78	dB(A)
suction side	63	71	78	dB(A)

VTZ4

Pressure in Pa   Power in W

Working zone

a   b   c

Sound power declaration @130 Pa
Airflow in m³/h

	a	b	c	
pressure side	60	69	78	dB(A)
suction side	60	67	75	dB(A)

VTZ6

Pressure in Pa   Power in W

Working zone

a   b   c

Sound power declaration @130 Pa
Airflow in m³/h

	a	b	c	
pressure side	62	70	76	dB(A)
suction side	57	65	71	dB(A)

Key

example :

— '50 Pa' setting   ···· '100 Pa' setting   ···· '150 Pa' setting   — the limit of the working zone determines the maximum airflow / pressure available at the fan

■ sound power level Lw in dB(A)
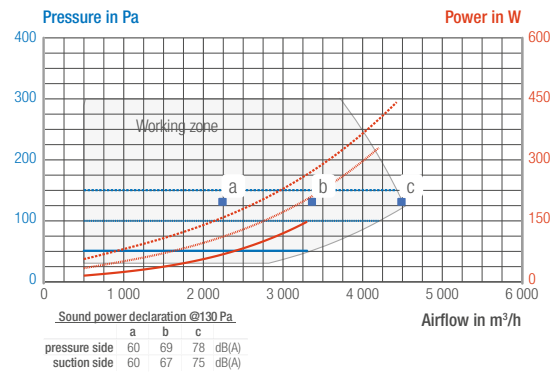
Data measured by ILK Dresden
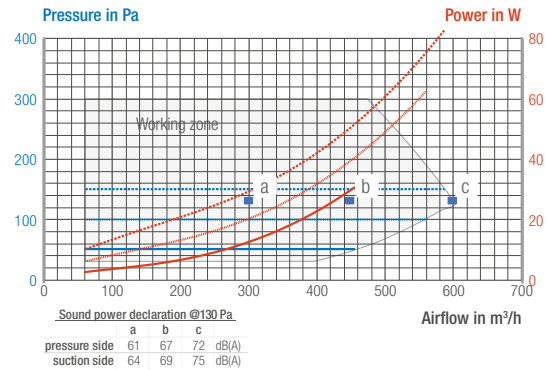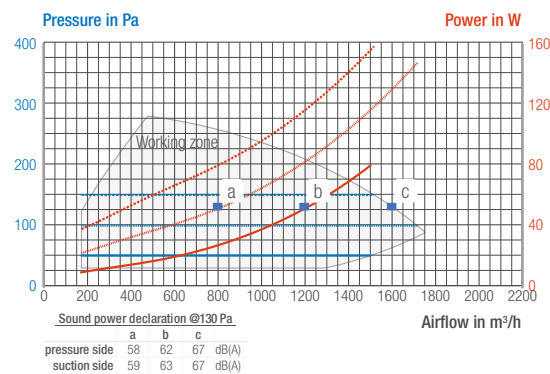
VTZ Collective fans for outdoor installation

		VTZ 0.5	VTZ 0	VTZ 1	VTZ 2	VTZ 3	VTZ 4	VTZ 6
Standard code		VTZ1435	VTZ1075	VTZ1076	VTZ1077	VTZ1078	VTZ1145	VTZ1125
Airflow characteristics								
Max. possible airflow @ 130 Pa	m³/h	345	600	850	1600	2300	4500	6800
Max. pressure	Pa	180	300	300	300	300	300	300
Pressure control device		■	■	■	■	■	■	■
Acoustics								
Max. sound power level Lw	dB(A)	62	75	72	67	78	75	71
Max. sound pressure level Lp @ 3 m	dB(A)	43	55	52	50	60	60	58
Electrics								
Power supply		230 VAC / 50 Hz	230 VAC / 50 Hz	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	EC	EC
Max. power consumption	W	40	87	168	157	465	520	750
IP degrees of protection (motor)		IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54
Characteristics								
Weight	kg	9	10	12	21	23	48	57
Colour		metal	metal	metal	metal	metal	metal	metal
Material (main)		galvanised steel	galvanised steel	galvanised steel	galvanised steel	galvanised steel	galvanised steel	galvanised steel
Dimensions (A - B - H)	mm	445 - 340 - 290	445 - 340 - 290	547 - 440 - 340	720 - 600 - 400	720 - 600 - 400	955 - 707 - 577	955 - 707 - 577
ErP specification								
ErP information					available on www.aereco.com			
SFPint					not required*			
Installation								
Duct connection	mm	336 x 336	336 x 336	436 x 436	595 x 595	595 x 595	704 x 704	704 x 704
Terrace installation		■	■	■	■	■	■	■
Roof installation		■	■	■	■	■	■	■
Attic installation		-	-	-	-	-	-	-
Maintenance								
Proximity switch		rocker switch	■	■	■	■	■	■
Cleaning					swings open for access to impeller and ducts			
Operation								
Direct-drive impeller		■	■	■	■	■	■	■
Max. speed	RPM	2490	3760	3490	1600	2195	1735	1090

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

■ standard

Dimensions