

For ATEX zone 22/22

Centrifugal fan with open fan wheel that is used at source extraction from air pollutant or chip making work processes. The transported air may not contain adhesive or sticky fumes, dust and chips.

- Fan and spark retardant pre-ring are made according to norm EN 14986

Work area:

Max. pressure: 1,700Pa

Max. air volume: 8,900m³/h

Max. dust volume: 100g/m³, non-sticky

Max. particle size: 80x20x3mm, non-sticky

Temperature: Extracted air (transport air in fan) = max. 60°C

Ambient temperature: max. 40°C

Construction:

Radial fan with open fan wheel mounted in fully welded steel cabinet and with directly coupled motor.

Model: O (Transport of chips)

Wheel: Fan wheel type T-G. Open wheel with backward straight, self-cleaning blades
Static/dynamically balanced according to ISO 14694 (BV3 G 6.3)

Cabinet: Fully welded in 2mm steel plate
Spark retardant pre-ring made in copper
Fan housing can be mounted with various inlet positions (RD0, RD90, RD180, RD270)
Standard enamelling:
Standard delivered in galvanzied version. Subsequently powder enamelled (RAL 5007).

Motor: B5 flange motor
3x400V, 50Hz (3-phased motors 3x400VAC can with special motor frequency regulated. Motor must be marked with frequency regulation data.)
Motor zone 22: II 3D Ex - IIB T120°C

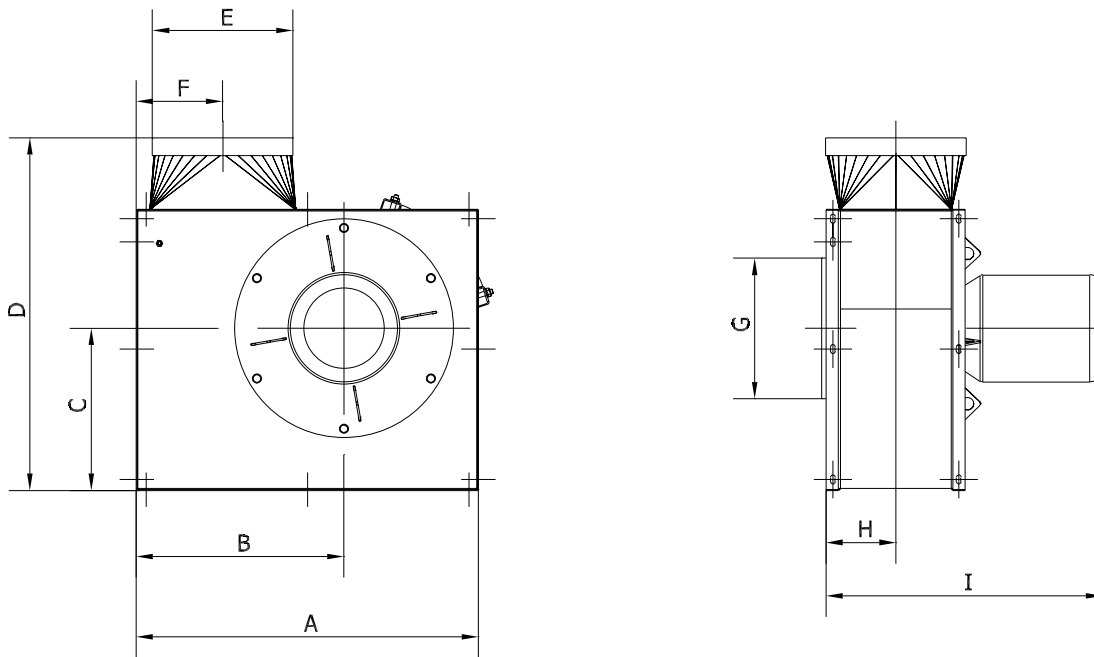
Fan type VE-A-O is made especially for the selected ATEX zone and equipped with ATEX-certificate from factory.

Constructed and tested according to:

- Machine Directive 2006/42/EF
- ATEX-Directive 2014/34/EU
- EMC-Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU
- EN 1127-1
- EN 12100
- EN ISO 12499
- EN ISO 13857
- ISO 14694
- EN 14986
- ISO 3746
- ISO 5801
- ISO 60079-(0+A11)-(1)-(7)-(14)-(15)-(31)
- ISO 60204-1
- EN 60529+A1+A2
- IEC 60034-(1)-(2-1)-(5)-(6)-(7)-(8)-(9)-(12)-(14)-(30-1)
- EN ISO 80079-36

Type	Item no. ATEX zone 22
VE-A 2200-O2	10 324 010
VE-A 3000-O2	10 324 060
VE-A 4000-O2	10 324 110
VE-A 5500-O2	10 324 160
VE-A 7500-O2	10 324 210

Type	Volt [V]	Pole	Zone 22 [kW]	Zone 22 Max. amp.	Zone 22 Start current	Weight [kg]
VE-A 2200-O2	3x400	2	2.20	4.60	37.40	60.0
VE-A 3000-O2	3x400	2	3.00	6.00	50.50	69.0
VE-A 4000-O2	3x400	2	4.00	7.70	65.00	95.0
VE-A 5500-O2	3x400	2	5.50	11.50	88.20	115.0
VE-A 7500-O2	3x400	2	7.50	14.50	113.40	129.0

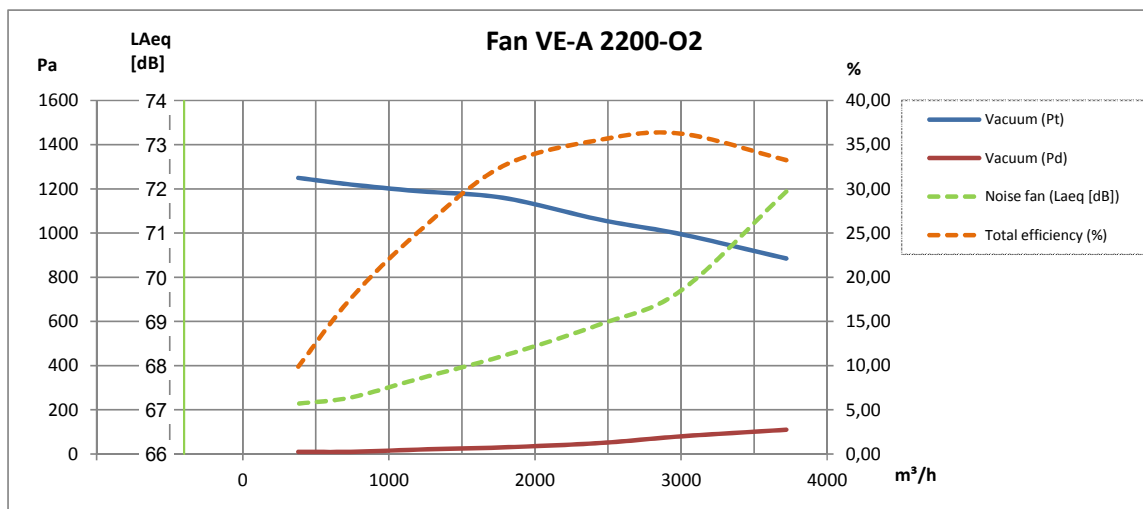


Type	A	B	C	D	E	F	G	H	I	J
VE-A 2200-O2	767	465	363	780	ø315	194	315	144	543	0
VE-A 3000-O2	767	465	363	780	ø315	194	315	156	647	0
VE-A 4000-O2	859	519	408	903	ø400	216	400	159	616	0
VE-A 5500-O2	891	519	408	903	ø500	250	500	172	702	32
VE-A 7500-O2	891	519	408	903	ø500	250	500	191	777	31

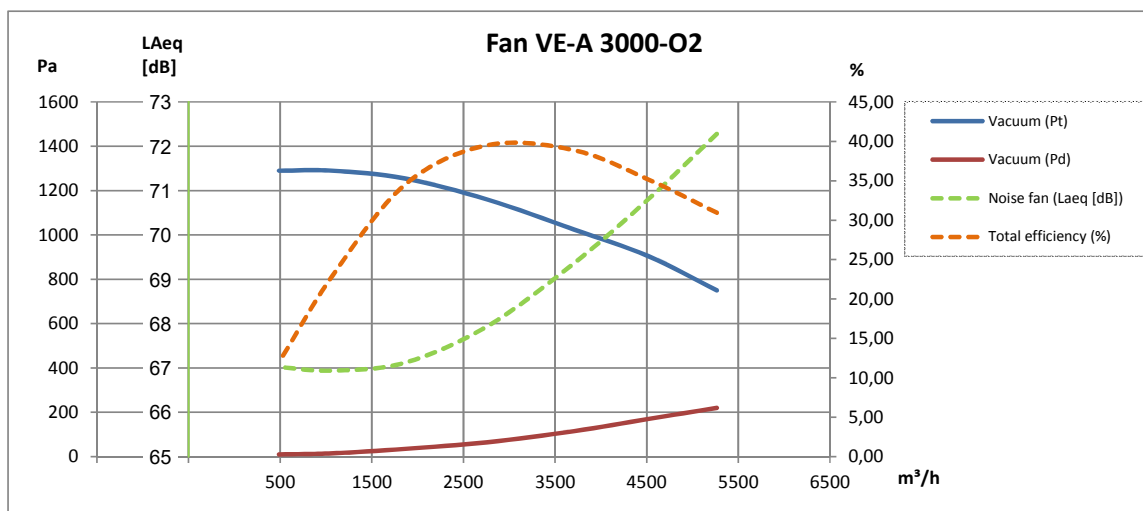
Please, note: Connection measurements are nipple measurements

Data is subject to alterations
Rev. 01.20

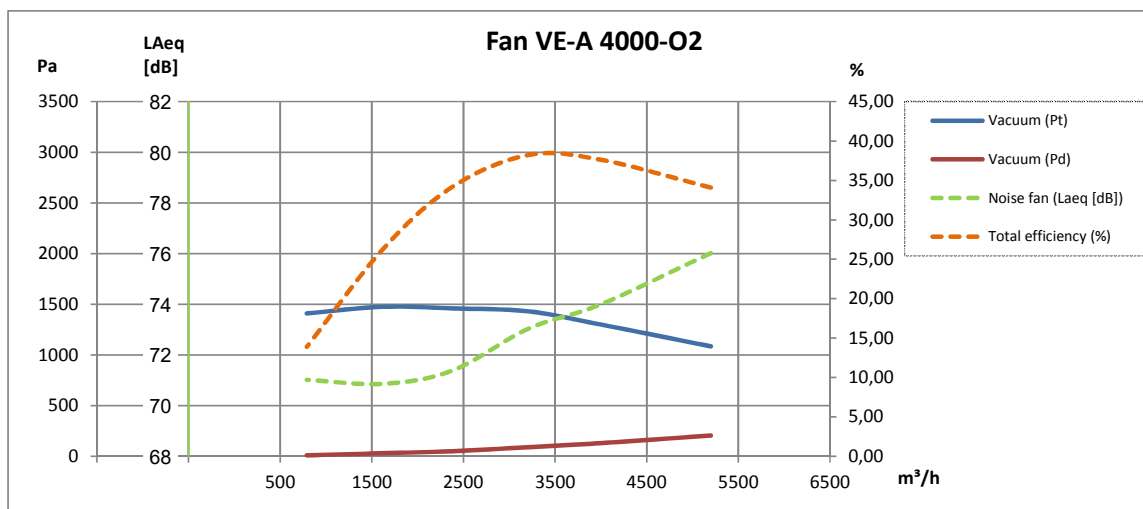
2-pole:



2-pole:

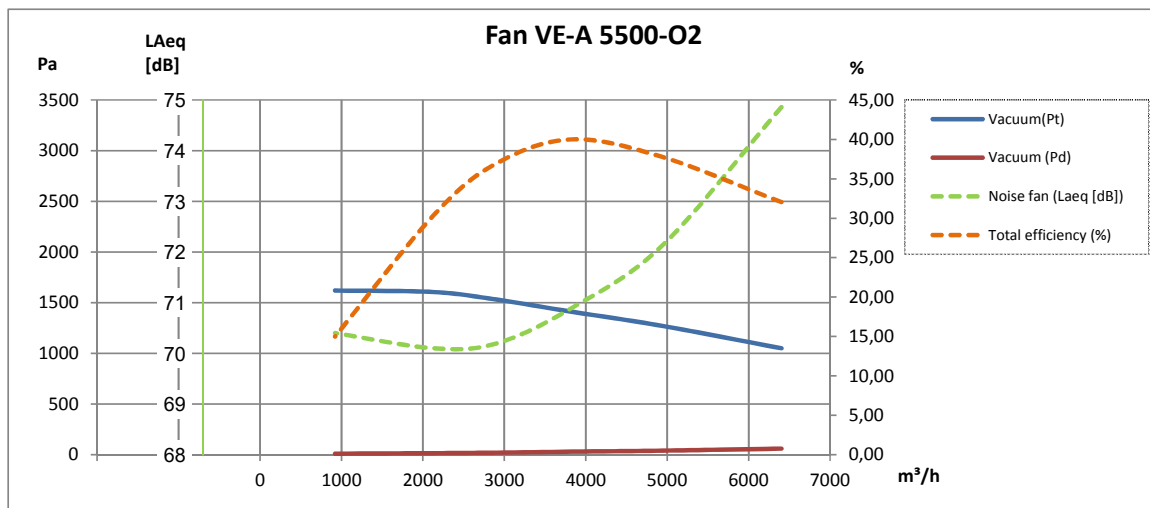


2-pole:

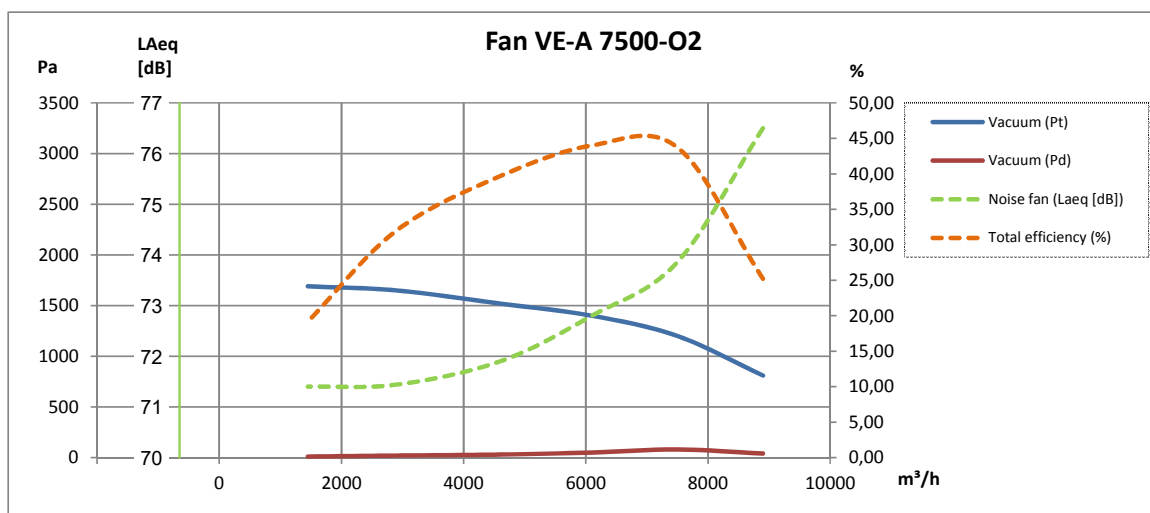




2-pole:



2-pole:



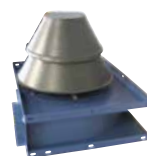
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No sound enclosures are available for fan type VE-A-O due to material transport!

Weather-protected cover for air cooling intake and out for elektro motors:

Type	Item no.
VE 2000, VE 3000	03 235 800
VE 4000	03 240 800



Fan wheel:

Type	Hub [mm]	Fan type**	[Hz]	Item no.
VE 2200	ø24	O2	50	03 384 105
VE 3000	ø28	O2	50	03 386 105
VE 4000	ø28	O2	50	03 388 105
VE 5500	ø38	O2	50	03 390 105
VE 7500	ø38	O2	50	03 392 105



**Open Transport



Further is available:

- Pressure guard in ATEX-version
- Mounting fittings
- Vibrations absorbers
- Safety grid
- FLEX flexible connections
- Frequency converter
- Thermister relay
- Pressure transmitter

Photo:

ABB frequency converter type ACH 580

- Do not forget application of ATEX-approved thermister relay - see price list