**For ATEX zone 22/22**

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

- Fan made with spark protection
- Fan and spark protection are made according to norm EN 14986

**Work area:**
Max. pressure: 5,800Pa
Max. air volume: 4,300m³/h

Max. dust volume: 5g/m³, non-sticky
Max. particle size: 5x5x5mm, non-sticky

Temperature: Extracted air (transport air in fan) = max. 60°C
Ambient temperature: max. 40°C

**Construction:**
Radial fan with closed fan wheel mounted in fully welded steel cabinet and with directly coupled motor.

**Model:** **C** (Transport of chips)
**Wheel**: Fan wheel type P-G. Closed wheel with backward straight, self-cleaning blades
Static/dynamically balanced according to ISO 14694 (BV3 G 6.3)
**Cabinet**: Fully welded in 3 or 4mm steel plate
Fan housing can be mounted with various inlet positions (RD0, RD90, RD180 and 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 VP-A-C is made especially for the selected ATEXzone 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

Data is subject to alterations

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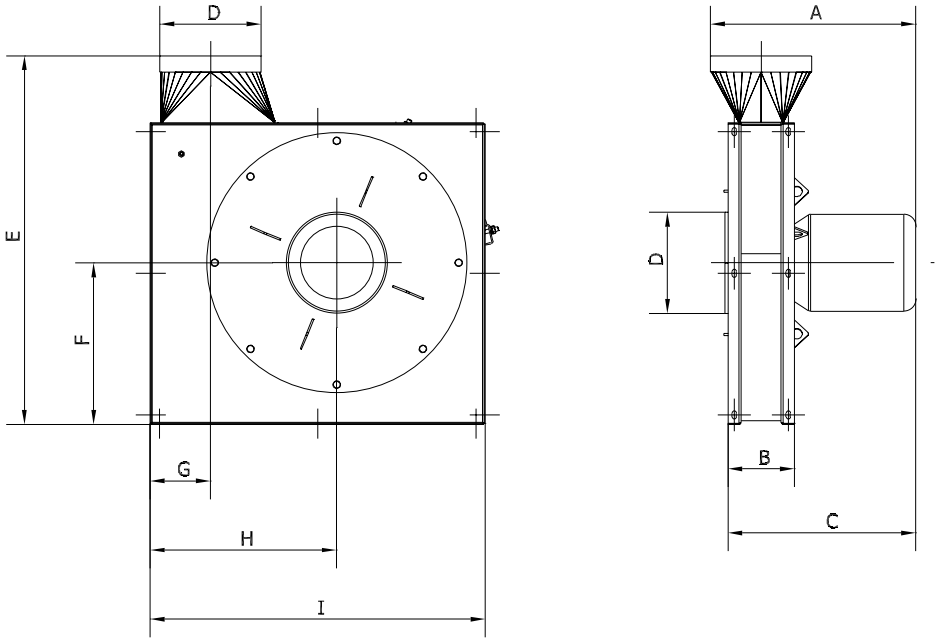
| Type | Item no. ATEX zone 22 |
|---|---|
| VP-A-C2 1600/2 | 10 350 100 |
| VF-A-C2 2000/3 | 10 350 300 |
| VF-A-C2 2500/1 | 10 350 500 |
| VF-A-C2 3500/1 | 10 350 700 |

| Type | Volt [V] | Pole | [kW] | Max. amp. | Start current | Weight [kg] |
|---|---|---|---|---|---|---|
| VP-A-C2 1600/2 | 3x400 | 2 | 4,0 | 7,70 | 65,50 | 66 |
| VF-A-C2 2000/3 | 3x400 | 2 | 5,5 | 10,10 | 89,90 | 87 |
| VF-A-C2 2500/1 | 3x400 | 2 | 5,5 | 10,10 | 88,90 | 98 |
| VF-A-C2 3500/1 | 3x400 | 2 | 7,5 | 13,20 | 112,20 | 120 |




| Type | A | B | C | D | E | F | G | H | I |
|---|---|---|---|---|---|---|---|---|---|
| VP-A-C2 1600/2 | 507 | 164 | 464 | ø250 | 914 | 400 | 150 | 462 | 830 |
| VF-A-C2 2000/3 | 515 | 178 | 478 | ø250 | 902 | 400 | 173 | 462 | 830 |
| VF-A-C2 2500/1 | 602 | 206 | 565 | ø250 | 902 | 400 | 173 | 462 | 830 |
| VF-A-C2 3500/1 | 640 | 206 | 603 | ø250 | 902 | 400 | 173 | 462 | 830 |

*Please, note: Connection measurements are nipple measurements*

Data is subject to alterations

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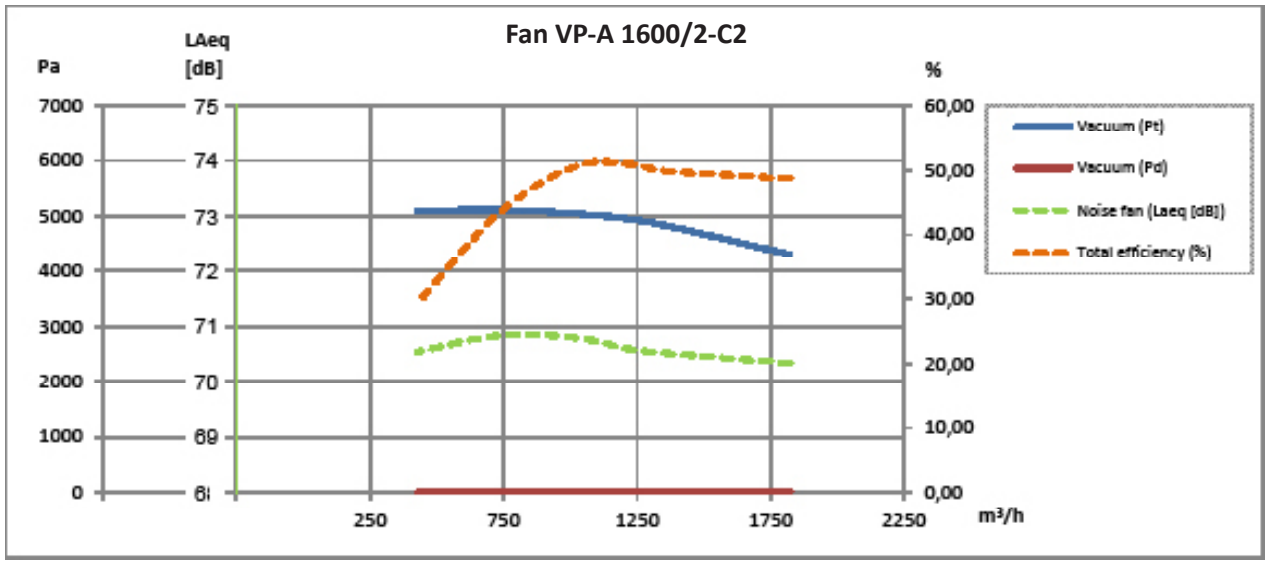
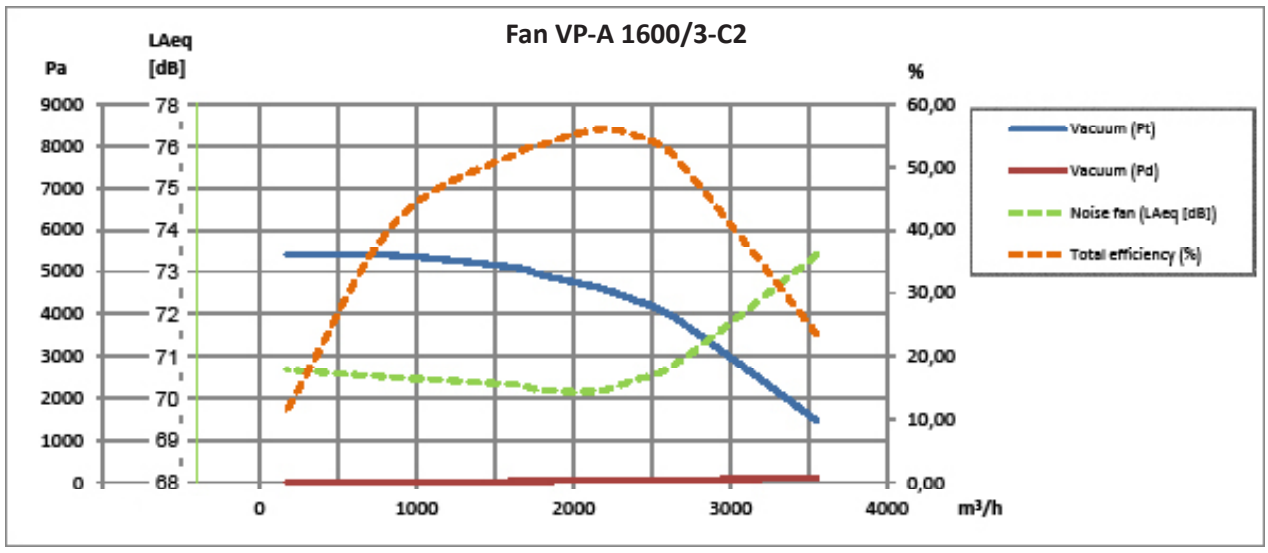
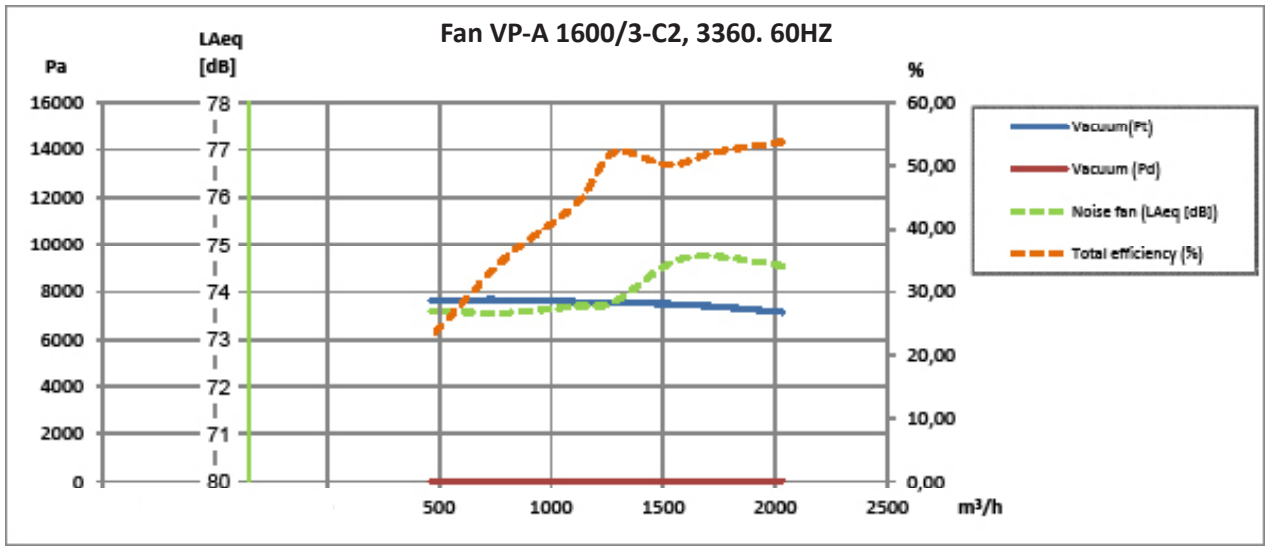
**2-pole:**




**2-pole:**




**2-pole (60Hz):**

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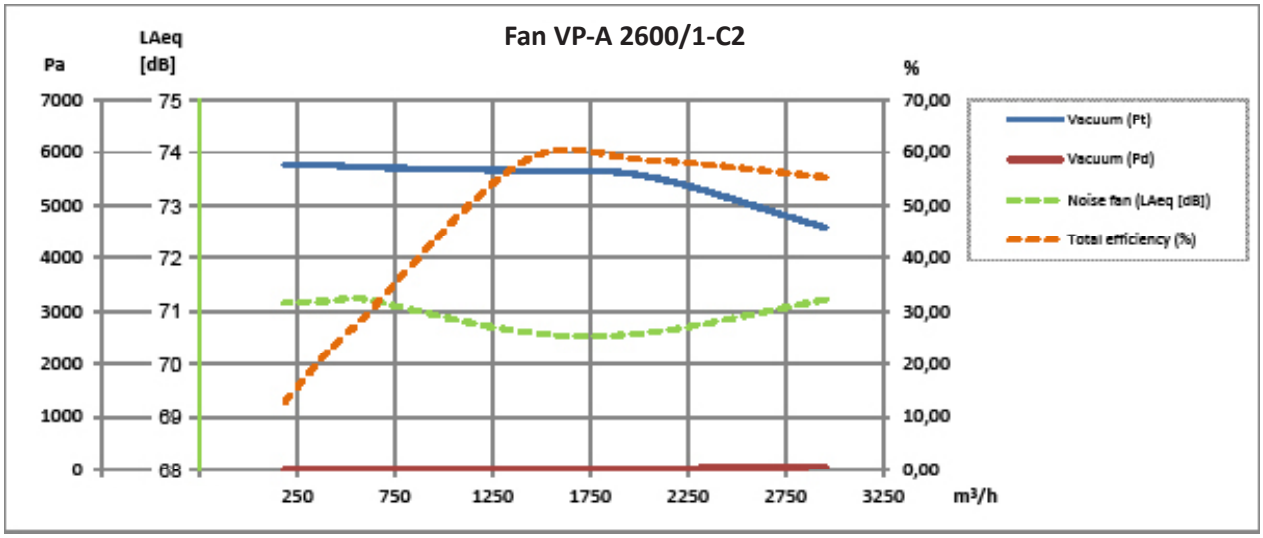
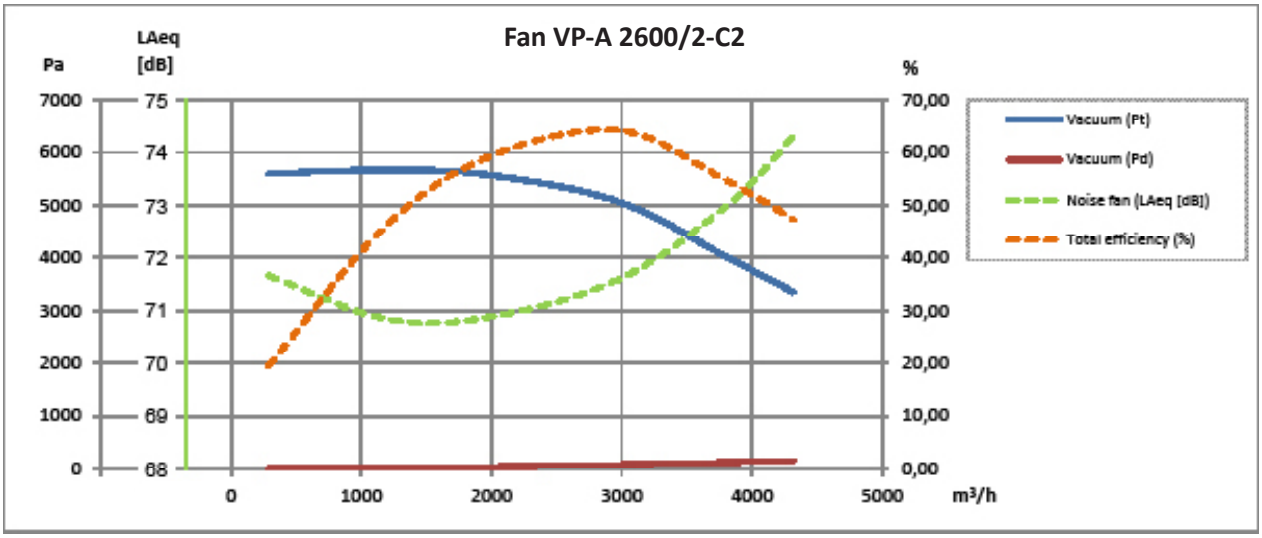
**2-pole:**




**2-pole:**




Data is subject to alterations

**Sound enclosure type VAB-A*:**

| Type (Position RD0) | Item no. |
|---|---|
| VP-A 1600/2 | 10 350 150 |
| VP-A 1600/3 | 10 350 350 |
| VP-A 2600/1, | 10 350 550 |
| VP-A 2600/2 | 10 350 750 |

** Only for clean air transport*

**Fan wheels:**

| Type | Hub [mm] | Fan type** | [Hz] | Item no. |
|---|---|---|---|---|
| VP 1600/2 | ø28 | C2 | 50 | 03 345 005 |
| VP 1600/3 | ø38 | C2 | 50 | 03 345 305 |
| VP 2600/1<br>VP 2600/2 | ø38 | C2 | 50 | 03 349 005 |

***Closed Transport*

**Further is available:**

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

*Photo:*
*Danfoss frequency converter type VLT-T with ATEX-approved thermistor outlet*

Data is subject to alterations

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