



For ATEX zone 22/22

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

Work area:

Max. pressure: 9,000Pa

Max. air volume: 7,800m³/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, RD45, RD90, RD135, RD270 and RD315)

Standard enamelling:

Standard delivered in galvanneal version. Subsequently powder enamelled (RAL 5007).

Motor: B3+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

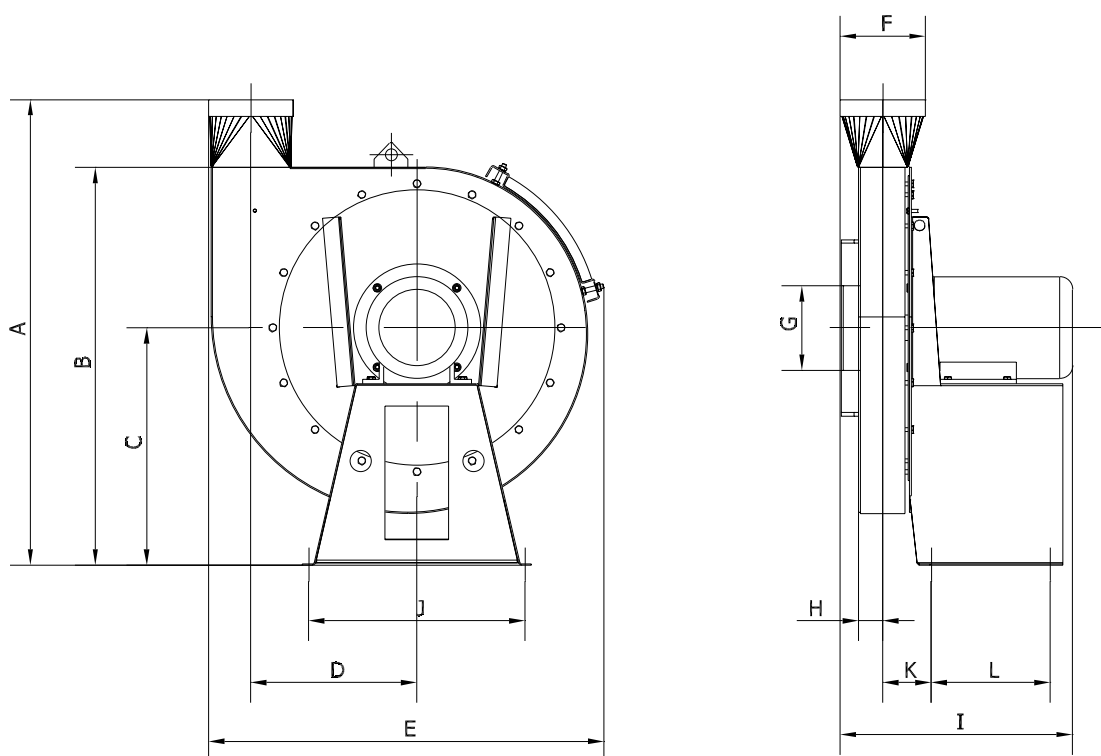
Fan type HV-A-C is made especially for the selected ATEXzone and equipped with ATEX-certificate from factory.

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

Type	Item no. ATEX zone 22
HV-A 65-C2	10 351 150
HV-A 70-C2	10 351 250
HV-A 72-C2	10 351 350
HV-A 78-C2	10 351 450
HV-A 80-C2	10 351 550

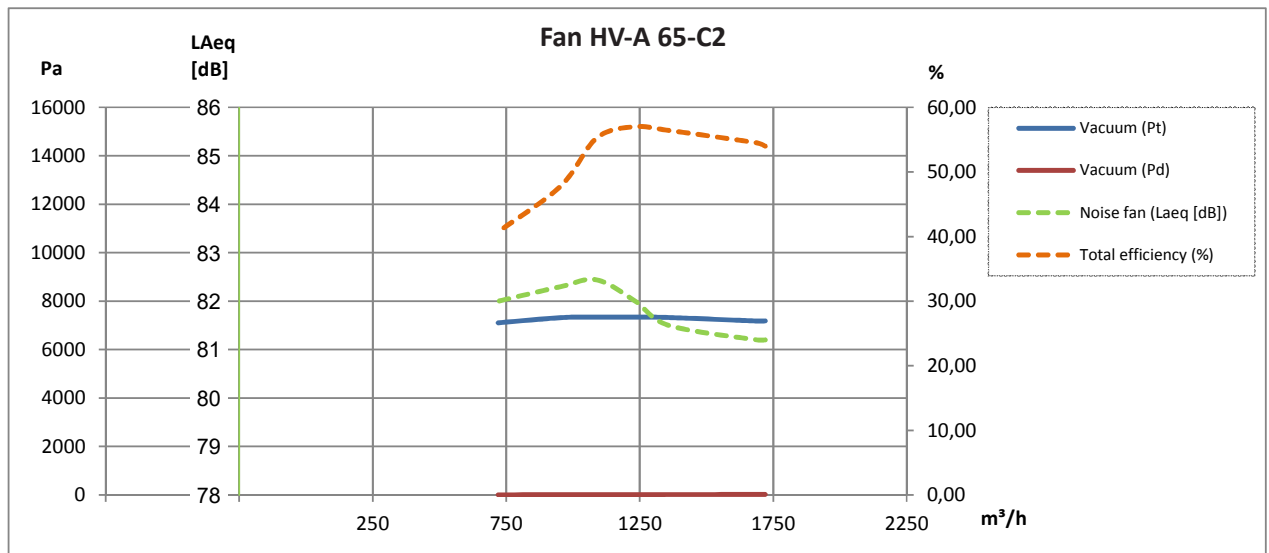
Type	Volt [V]	Pole	[kW]	Max. amp.	Start current	Weight [kg]
HV-A 65-C2	3x400	2	5.50	11.50	88.20	100.0
HV-A 70-C2	3x400	2	7.50	14.50	113.40	120.0
HV-A 72-C2	3x400	2	11.00	20.60	158.00	157.0
HV-A 78-C2	3x400	2	15.00	27.80	216.00	180.0
HV-A 80-C2	3x400	2	22.00	39.90	319.80	233.0



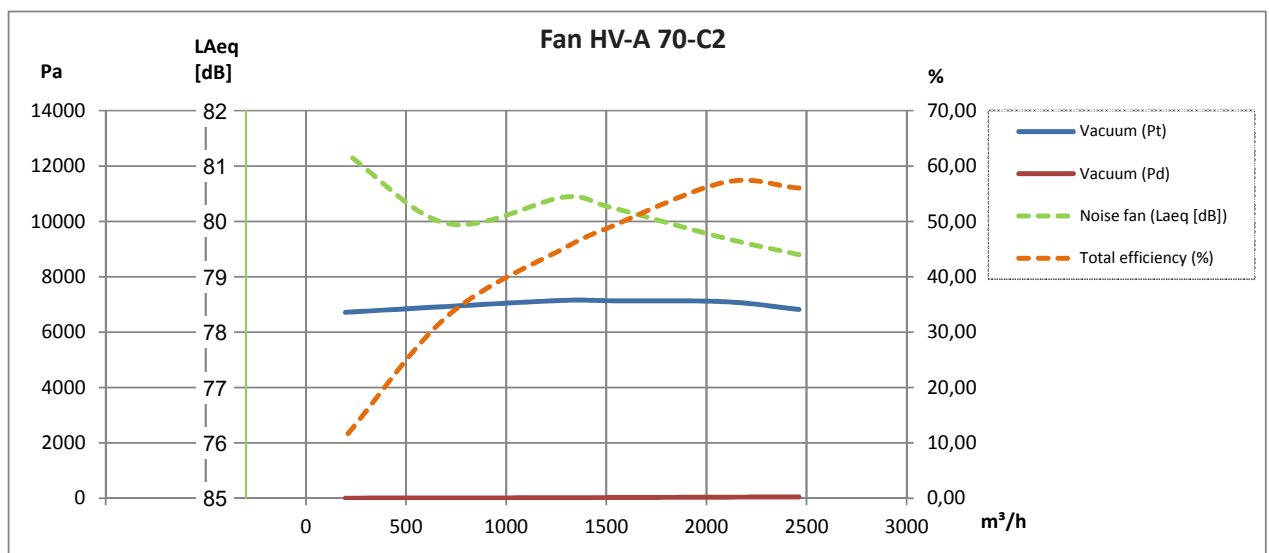
Type	A	B	C	D	E	F	G	H	I	J	K	L
HV-A 65-C2	1099	939	560	492	933	ø200	ø200	58	543	540	115	280
HV-A 70-C2	1099	939	560	492	933	ø200	ø200	75	614	540	132	280
HV-A 72-C2	1264	1104	677	572	1063	ø250	ø250	71	703	558	218	330
HV-A 78-C2	1292	1132	705	594	1086	ø315	ø315	83	749	558	230	330
HV-A 80-C2	1292	1132	705	594	1086	ø315	ø315	83	842	588	230	330

Please, note: Connection measurements are nipple measurements

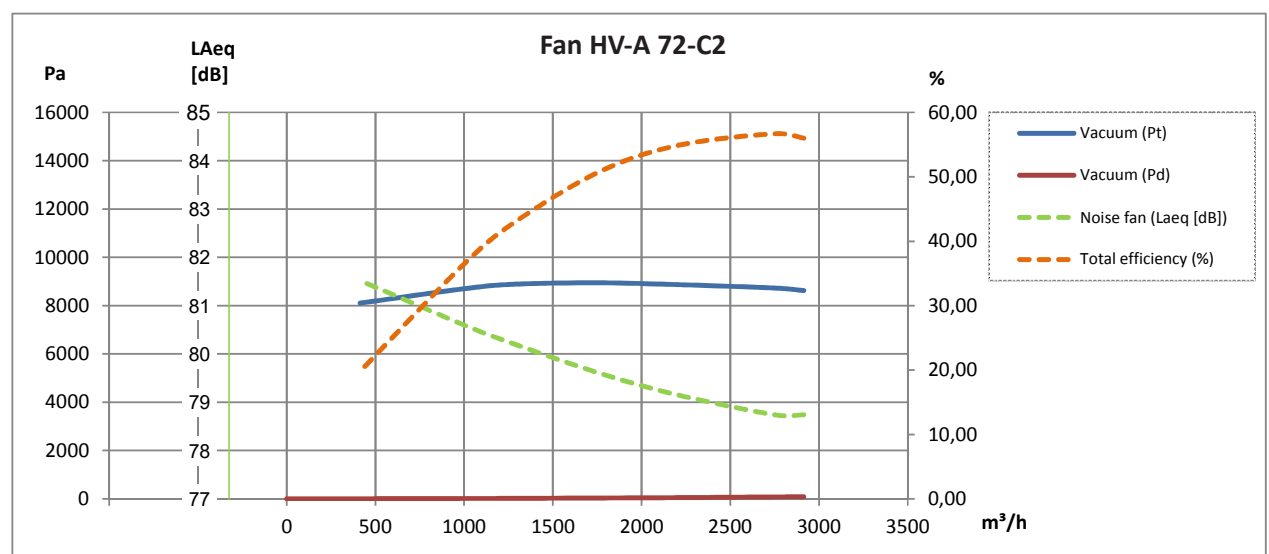
2-pole:



2-pole:

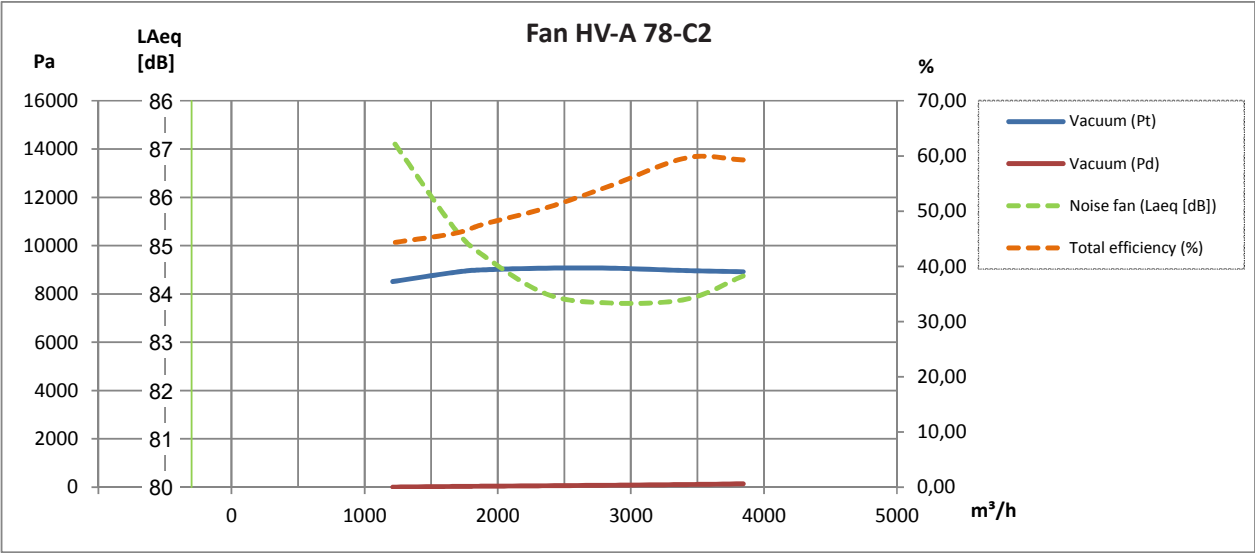


2-pole:

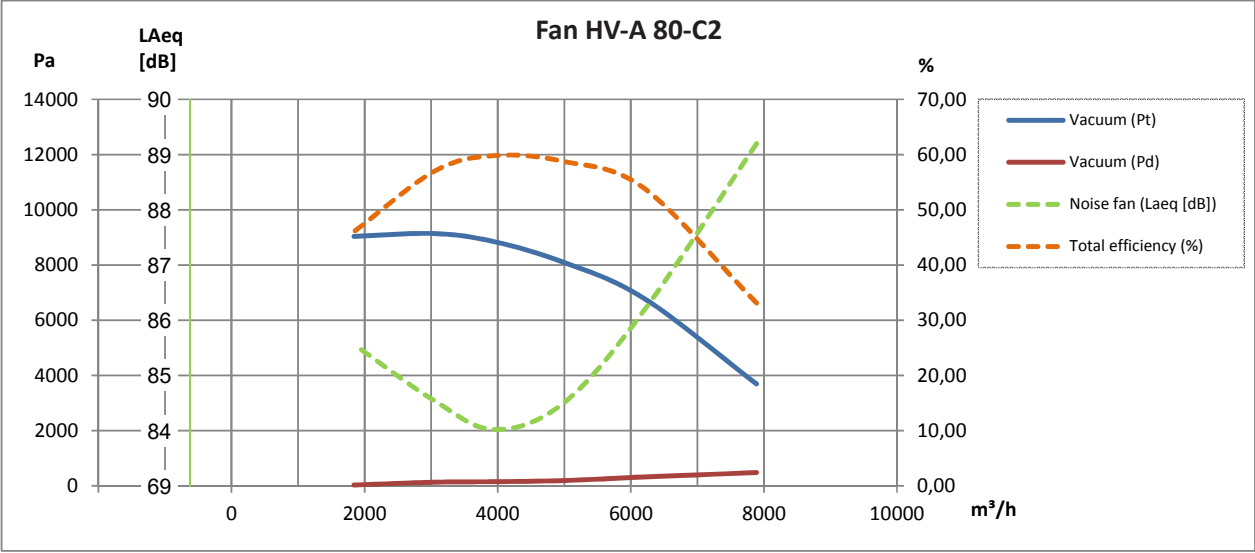




2-pole:



2-pole:



Sound enclosure type VAB-A*:

Type (Position RD0)	Item no.
HV-A 65	10 351 180
HV-A 70	10 351 280
HV-A 72	10 351 380
HV-A 78	10 351 480
HV-A 80	10 351 580

* Only for clean air transport



Fan wheels:

Type	Hub [mm]	Fan type**	[Hz]	Item no.
HV 65	ø38	C2	50	03 550 105
HV 70	ø38	C2	50	03 550 155
HV-A 72	ø42	C2	50	10 351 355
HV 78	ø42	C2	50	03 550 255
HV 80	ø48	C2	50	03 550 305

**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