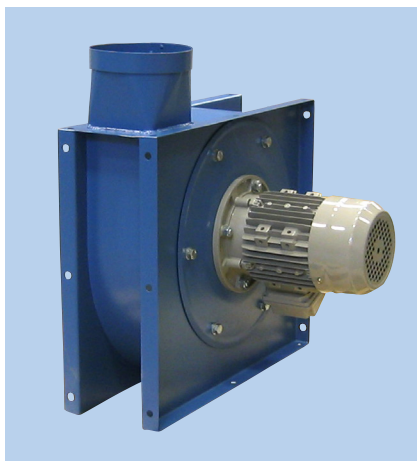




Centrifugal fan with open fan wheel that is used at source extraction from air pollutant or chip making work processes. The transported air may not contain adhesive or sticky fumes or dust.

Work area:

Max. pressure: 2,500Pa

Max air volume: 4,200m³/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

Fan order no.	Achieved efficiency	Measurement category	Efficiency category	Efficiency grade	VSD	Production year	Manufacturer page	Model number/type	Rated motor power input, flow rate and vacuum at optimal efficiency			Rpm.	Specific ratio	Disposal page	Environment page	Mounting measurement page
									kW	m³/h	Pa (Ps)					
03 256 000	28,3	D	Total	■	NO	CE-mark	0.B4	VH 900-O2	1,02	530	1980	2855	1,02	0.B4	0.B4	0.B4
03 261 000	44,8	D	Total	■	NO	CE-mark	0.B4	VH 1800-O2	1,65	1231	2165	2897	1,02	0.B4	0.B4	0.B4
03 266 000	60,9	D	Total	■	NO	CE-mark	0.B4	VH 2700-O2	1,75	1263	2475	2929	1,02	0.B4	0.B4	0.B4
03 281 000	51,1	D	Total	■	NO	CE-mark	0.B4	VH 3800/1-O2	3,54	2934	2235	2945	1,02	0.B4	0.B4	0.B4
03 283 000	51,3	D	Total	■	NO	CE-mark	0.B4	VH 3800/2-O2	4,51	3520	2135	2937	1,02	0.B4	0.B4	0.B4

■ No approved according to EU327/2011 ERP 2015

May be mounted on clean air side of Gram filter units as transport fan according to EU 327/2011 and EN 13349/2010

Construction:

Radial fan with open fan wheel mounted in 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)

Housing: Welded in 2mm steel plate

Fan housing can be mounted with various inlet positions (RD0, RD90, RD180, RD270)

Standard enamelling:

Powder enamelled for indoor mounting (RAL 5007), for outdoor placement galvanizing is also recommended

Motor: IE3, B5 flange motor without bimetallic sensor

3x400V 50Hz (three-phased motors can be frequency regulated)

Fan type VH-O is also available galvanized and spark-protected (copper ring in inlet)

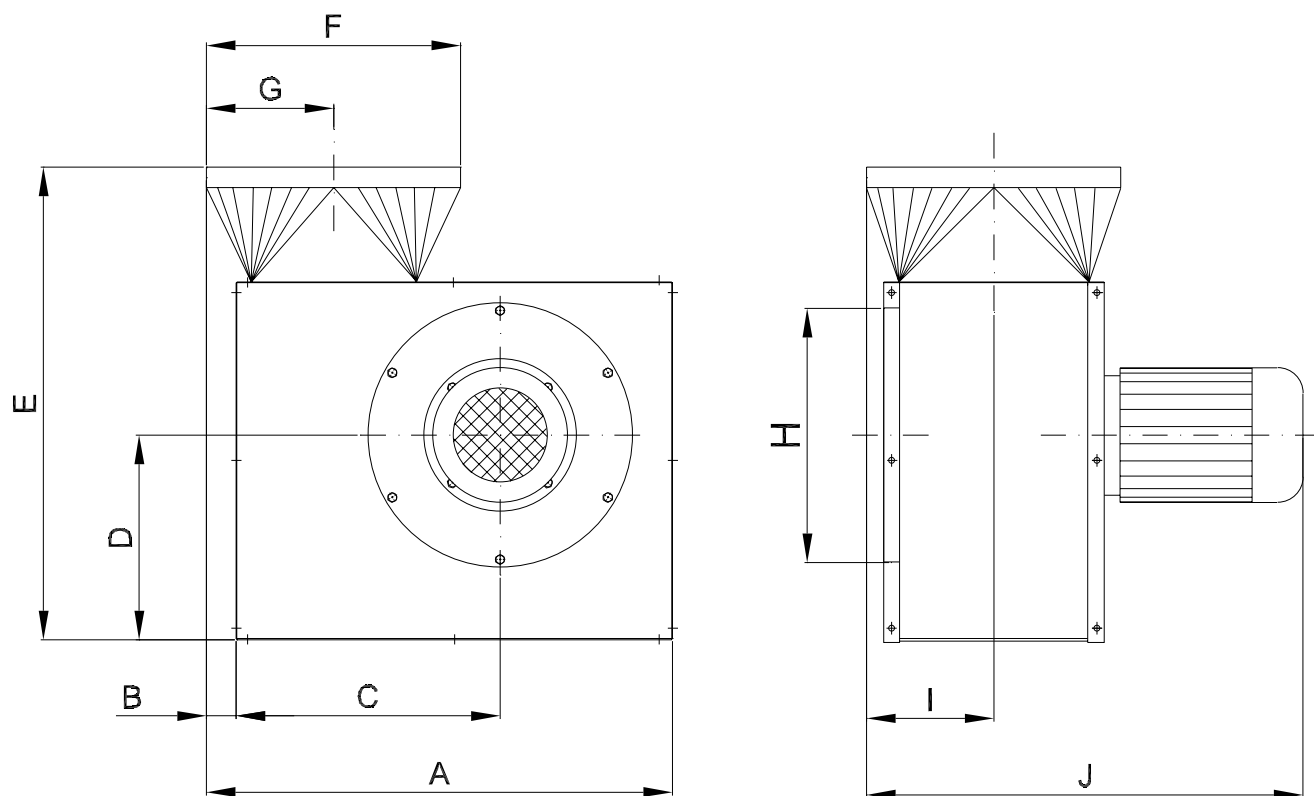
Constructed and tested according to:

- Machine Directive 2006/42/EU
- Electromagnetic Compatibility (EMC) Directive 2004/108/EU
- Low Voltage (LVD) Directive 2014/35/EU
- Harmonized standards: EN 12100, EN 60204-1, EN ISO 13857, ISO 12499
- Further standards: ISO 3746, ISO 5801
- As well as: EU Regulation no. 327/2011 (ERP 2013 and 2015)

Type	Order no.	Volt [V]	[rpm.]	[kW]	Rated current (Amp)	Start current [I_L/I_N]	Weight [kg]
VH 900-O2	03 256 000	3x400	2-pole	0,75	■	■	31,0
VH 1800-O2	03 261 000	3x400	2-pole	1,50	■	■	38,0
VH 2700-O2	03 266 000	3x400	2-pole	2,20	■	■	40,0
VH 3800/1-O2	03 281 000	3x400	2-pole	3,00	■	■	56,0
VH 3800/2-O2	03 283 000	3x400	2-pole	4,00	■	■	66,0

■ See section "General information" conc. electro motors

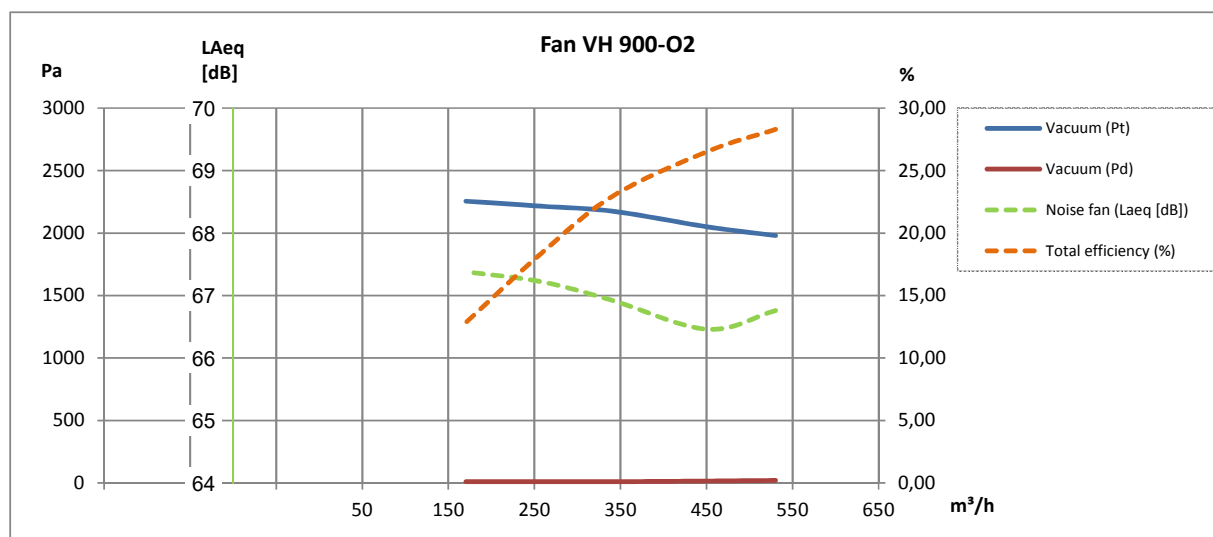
Motor data $\geq 0,75\text{kW}$, 3x400V, according to IE3-motors.



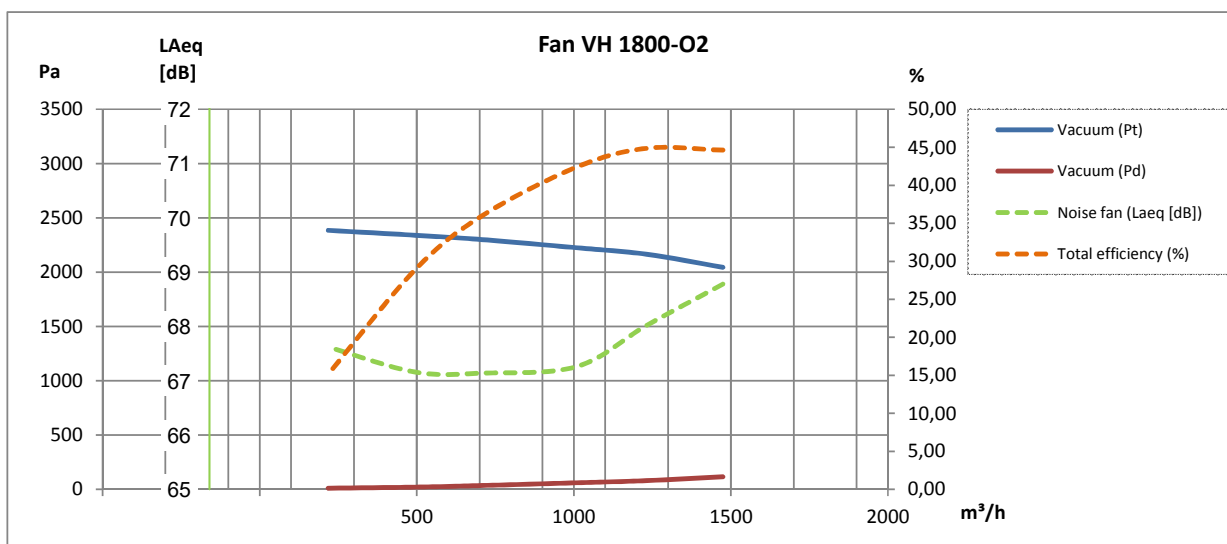
Type	Order no.	A	B	C	D	E	F	G	H	I	J
VH 900-O2	03 256 000	613	0	374	278	633	ø125	125	ø125	88	392
VH 1800-O2	03 261 000	613	0	374	278	633	ø160	125	ø160	88	428
VH 2700-O2	03 266 000	613	0	374	278	633	ø200	125	ø200	100	435
VH 3800/1-O2	03 281 000	686	0	417	324	688	ø250	150	ø250	144	581
VH 3800/2-O2	03 283 000	686	0	417	324	688	ø250	150	ø250	144	591

Please note: Connection measurements are nipple measurements

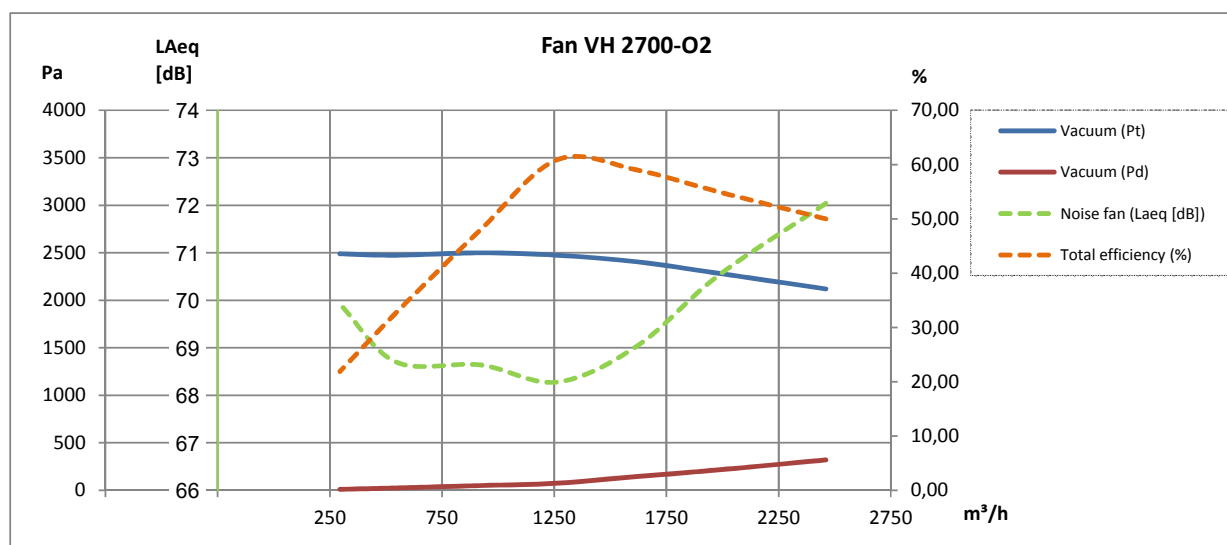
2-pole:



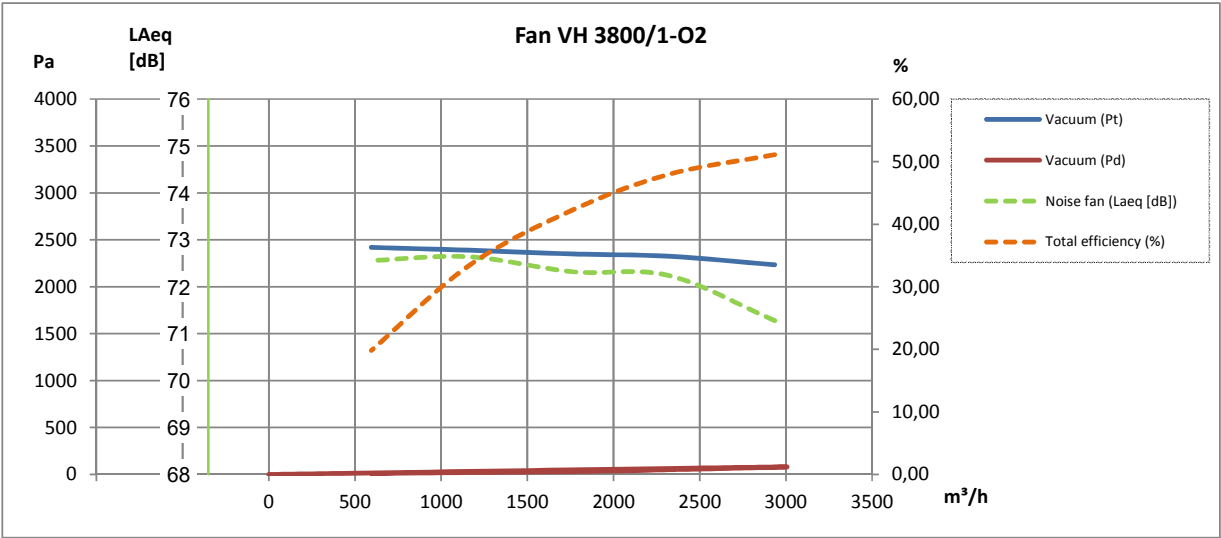
2-pole:



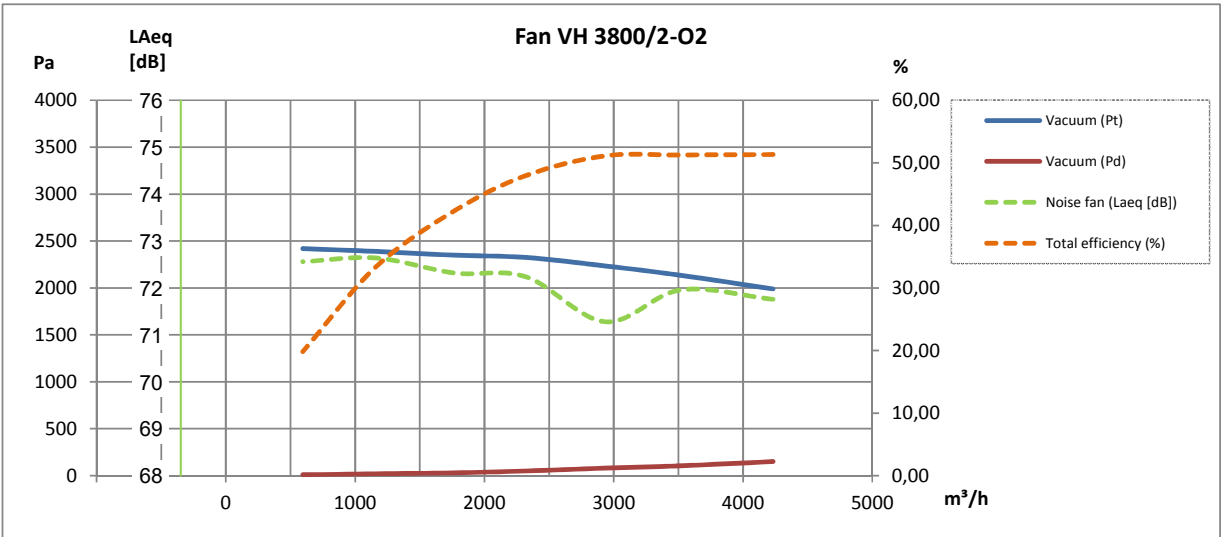
2-pole:



2-pole:



2-pole:



Description	Order no.
Additional payment for 60Hz operation (excl. possible special motor)	09 185 000

All versions of fan type VH-O is also available i a galvanized version spark protection in copper (Cu) on inlet!



Sound enclosure type VB*:

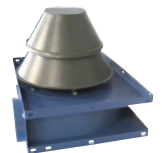
Type (Position RD0)	Order no.
VH 900	03 190 000
VH 1800	03 191 000
VH 2700	03 192 000
VH 3800/1, VH 3800/2	03 246 000
Additional payment for sound enclosure type VB with side outlet, fan position RD0	03 550 000

* Only for clean air transport



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

Type	Order no..
VH 900, VH 1800, VH 2700, VH 3800/1, VH 3800/2	03 010 800



Ventilatorvinger:

Type	Hub [mm]	Fan type**	[Hz]	Order no.
VH 900	ø19	O2	50	03 255 005
VH 1800	ø24	O2	50	03 260 005
VH 2800	ø24	O2	50	03 270 005
VH 3800/1 VH 3800/2	ø28	O2	50	03 280 005
VH 900	ø19	O2	60	03 255 205
VH 1800	ø24	O2	60	03 260 205
VH 2800	ø24	O2	60	03 270 205
VH 3800/1 VH 3800/2	ø28	O2	60	03 280 205

**Open Transport



Further is available:

- Pressure guard
- Mounting fittings
- Vibrations absorbers
- Safety grid
- FLEX flexible connections
- Motor starter Y-D
- Frequency converter

Photo:
Danfoss Frequency converter type VLT