



Fan casing - 25 mm insulation type MVB

Double skinned ventilation box

Application

- Ventilation of medium and large rooms
- Can be used for air intake as well as exhaust
- Designed to meet the highest standards in thermal and acoustic insulation

Composition

- Structure with aluminium profiles
- Corners in reinforced polyamide
- Interchangeable, removable panels allowing any type of installation
- Outer layer: prelacquered steel plate (RAL 7035) with protection sheet
- Insulation: high-quality glass wool 25 mm, fire class A2-s1,d0 (M0)
- Inside in galvanized steel plate
- Internal elements access panel equipped with security bolt
- Built-in nuts for fastening on floor, wall or ceiling
- Round connections with lip seals

Fan

- Double inlet centrifugal fan, forward curved blades (except MVB 4A)
- Supply: 230Vac 1ph or 400Vac 3ph
- Insulation class B directly driven motor with thermal protection
- Motor-fan assembly mounted on anti-vibration mounts
- Flexible connection between fan and exhaust panel

Accessories

- Speed controller **TSC-1** or **TSCTK-1**
- Frequency converter 230V in / 3x230V out **FIS-13**
- Frequency converter 3x400V in / 3x400V out **FIS-44**
- Roof **MXV TCB** for outside use
- Canopy with guard **MXV AGC**
- Damper to be motorised **MXV RM**
- Flexibel connectors **MTS**
- Safety switch **MXV IPC**
- Filter **G4** or **F7**
- Electrical heating module **MXV BE**

- Hot water heating module **MXV BC**
- Chilled water module **MXV BF**
- Direct expansion coil module **MXV DX**

Order example

- **MVB 2000**

MVB: type of fan

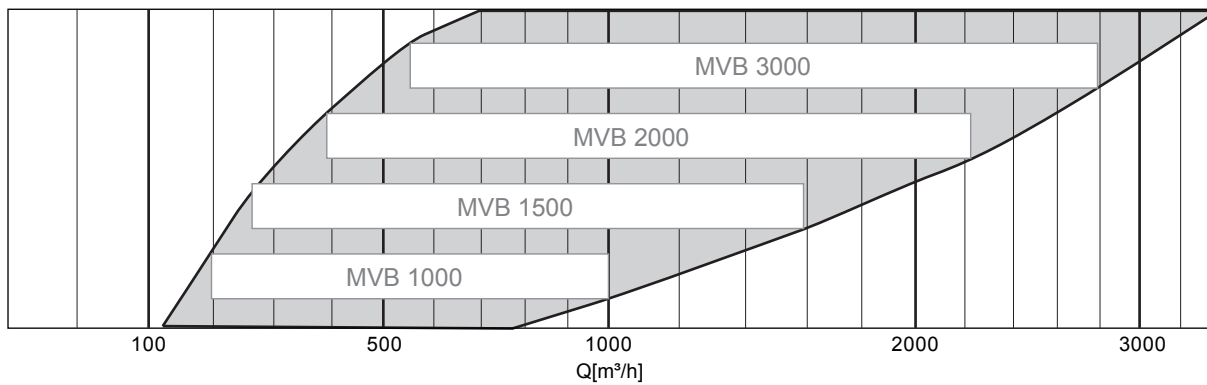
2000: maximum air volume

Air performance data									
	Q [m³/h]								
	50 Pa	100 Pa	150 Pa	200 Pa	250 Pa	300 Pa	350 Pa	400 Pa	450 Pa
MVB 1000	985	930	985	820	740	660	530	400	-
MVB 1500	-	1620	1515	1390	675	-	-	-	-
MVB 2000	-	2015	1870	1630	1010	-	-	-	-
MVB 3000	-	2820	2735	2655	2500	2305	1885	-	-
MVB 4000*	4210	4140	3950	3750	3560	3210	2800	-	-
MVB 4350*	-	4500	4460	4425	4290	4135	4100	3800	3750
MVB 6000*	5900	5720	5600	5420	5350	5110	4945	4750	-
MVB 6500*	5650	5535	5470	5380	5250	-	-	-	-

* niet meer verkrijgbaar / n'est plus disponible / no longer available

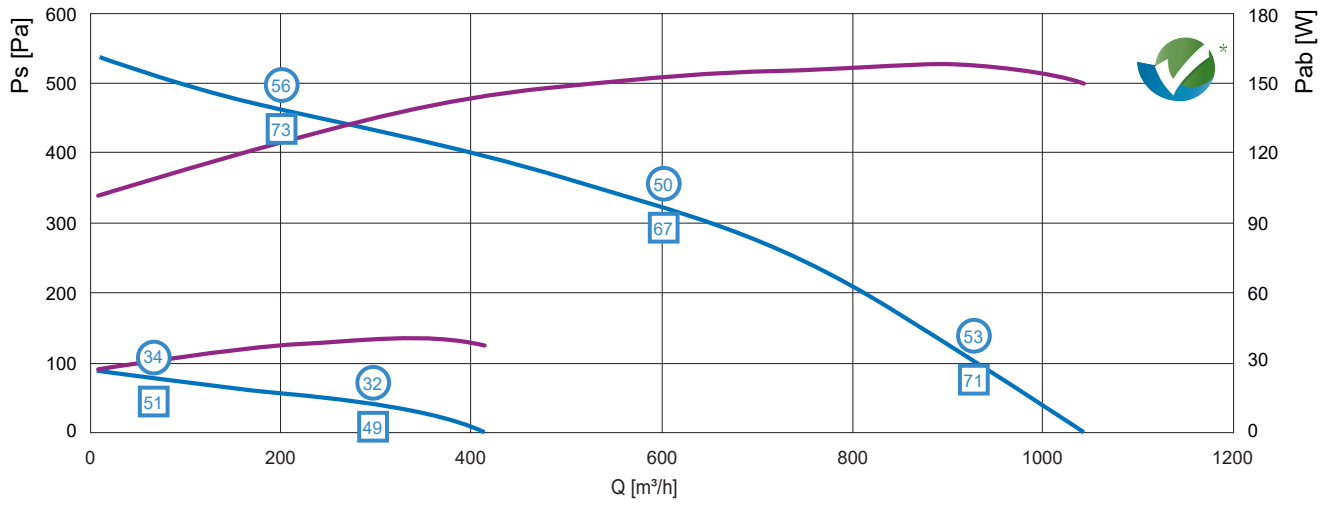
The MVB fan may never be used with free inlet. There should be a minimal counter-pressure as indicated above. Please measure the current at first starting.

Selection curves

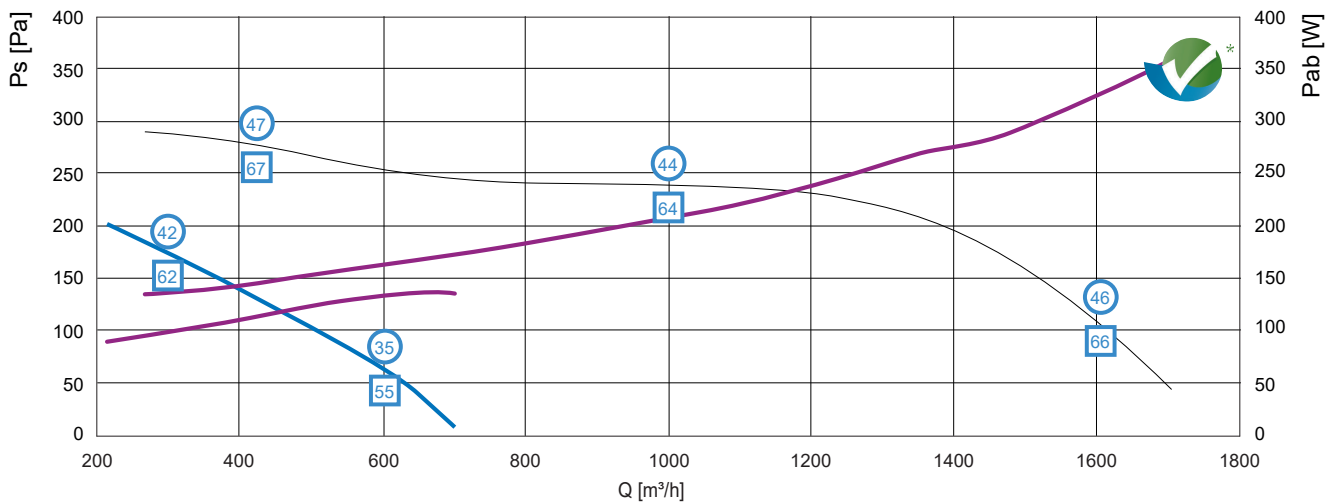


Selection curves

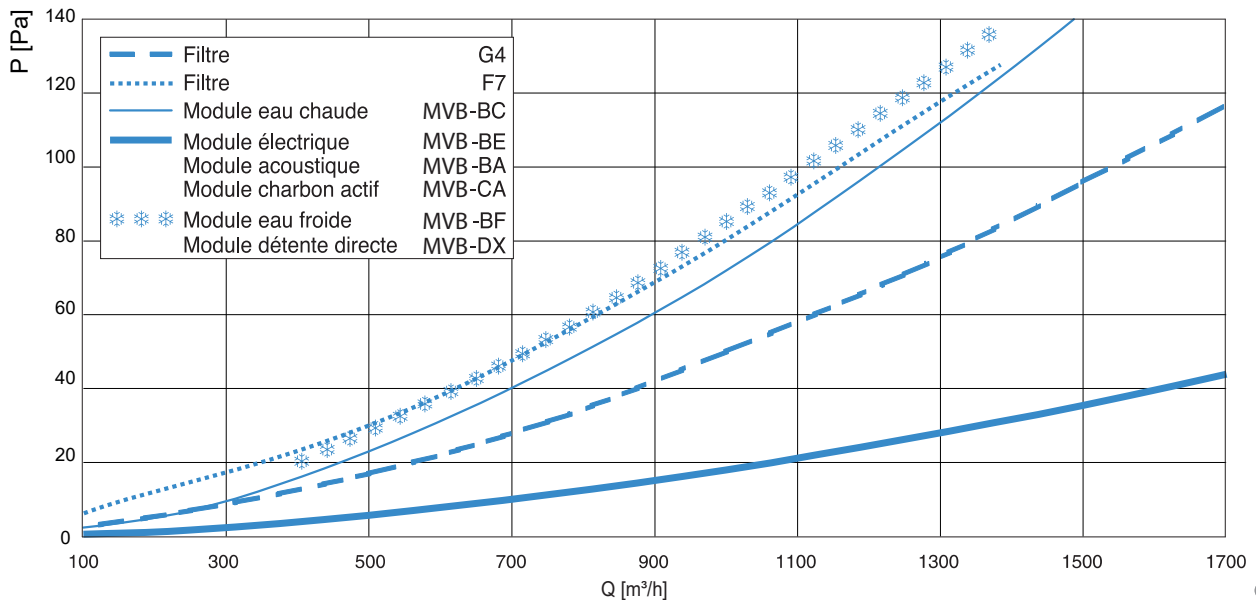
MVB 1000



MVB 1500

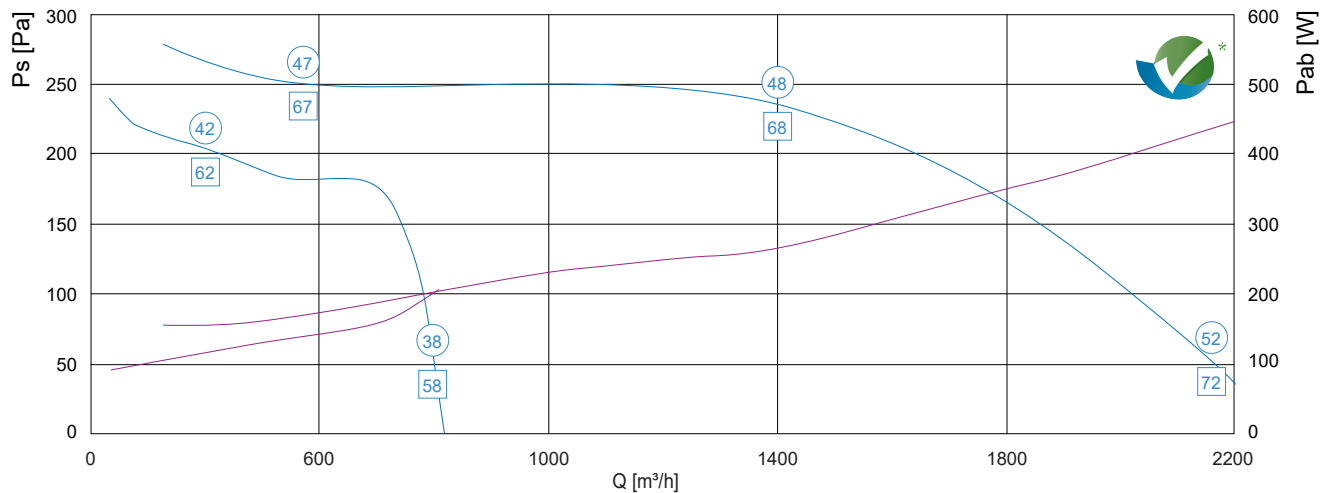


MVB 1000 - MVB 1500

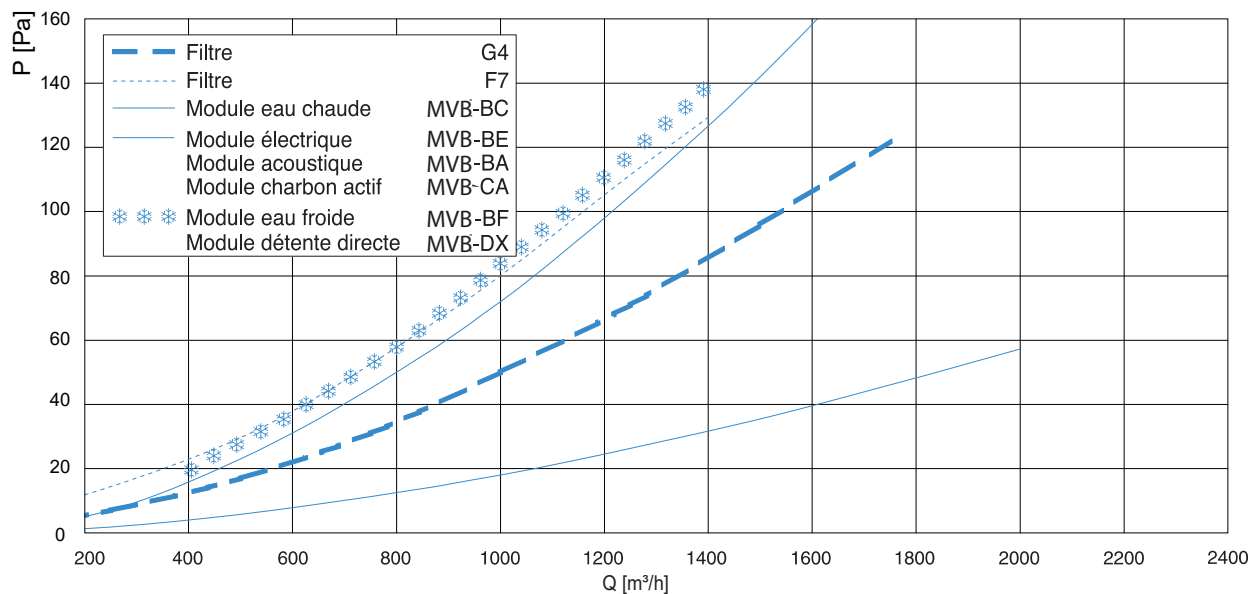


Selection curves

MVB 2000

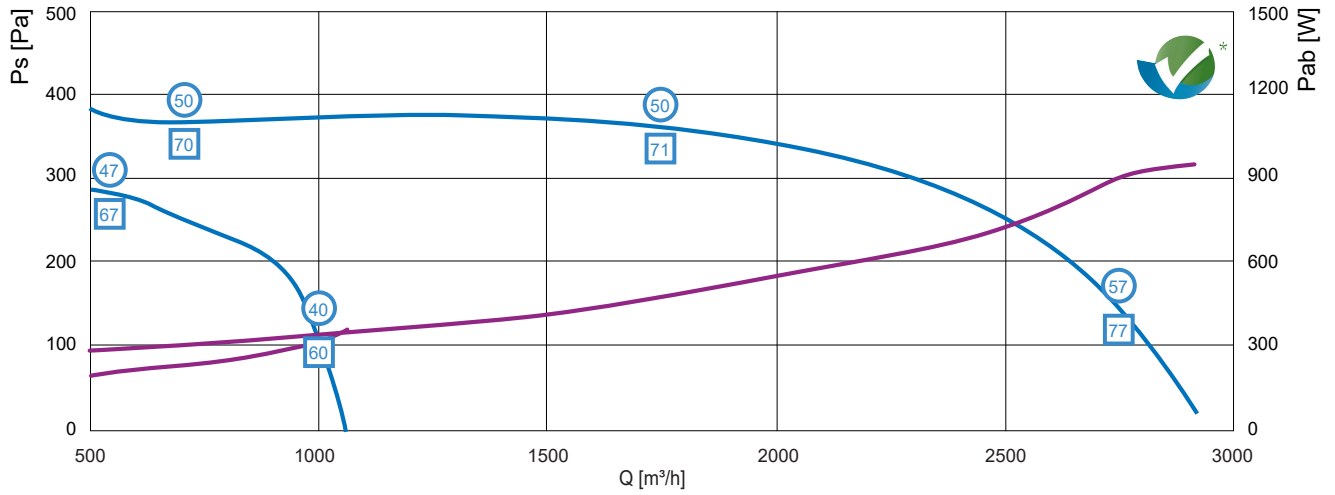


MVB 2000

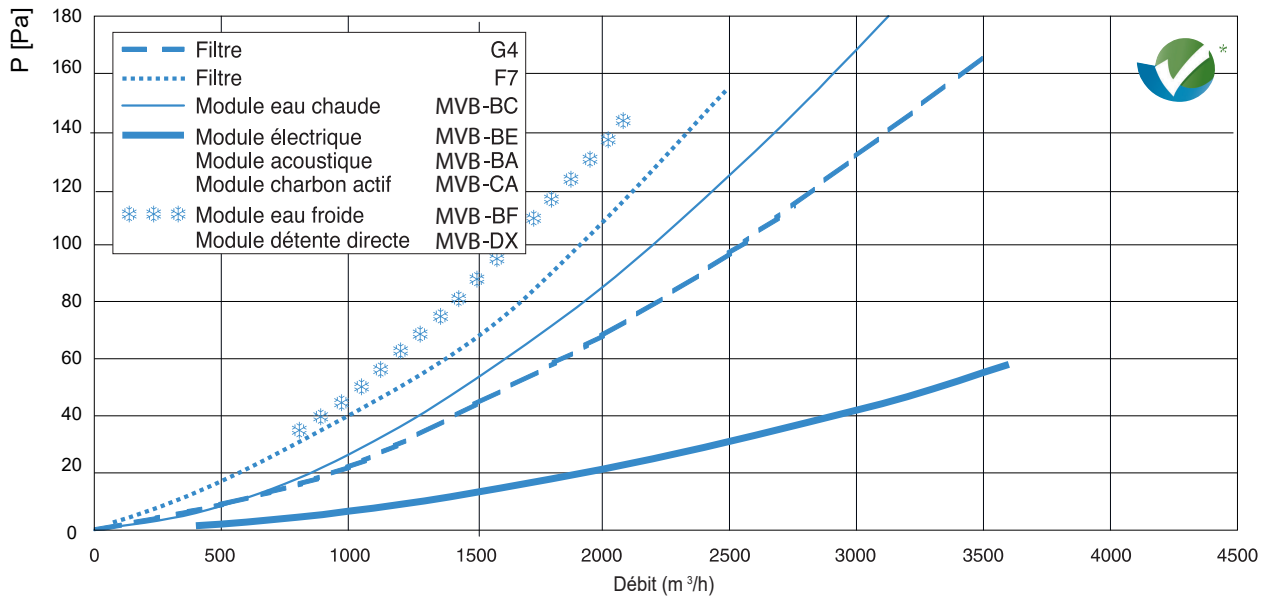


Selection curves

MVB 3000

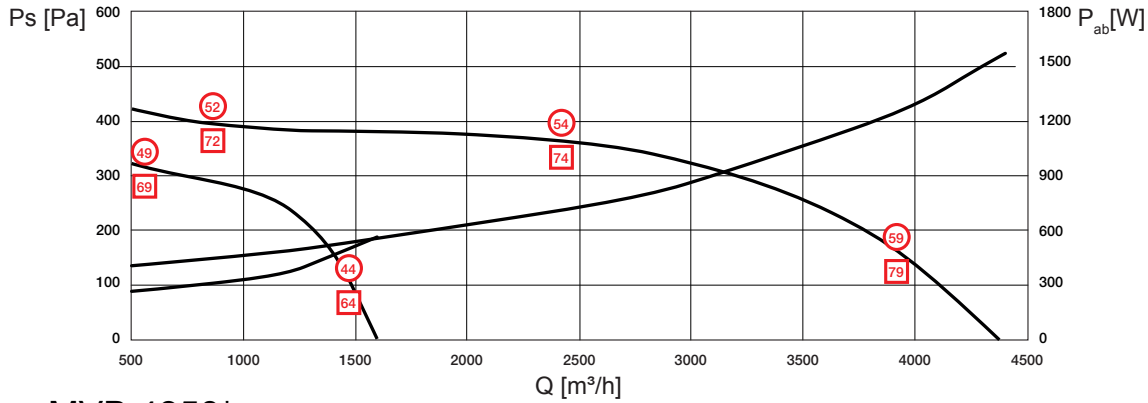


MVB 3000

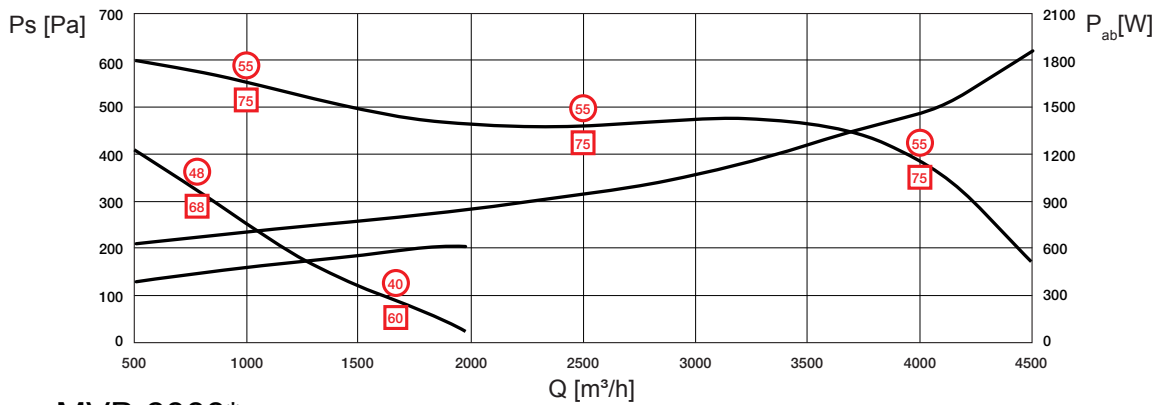


Selection curves

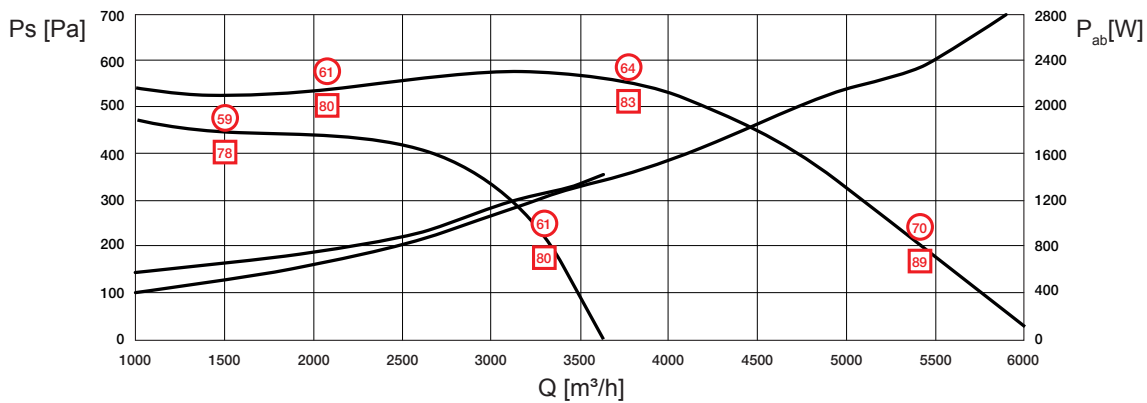
MVB 4000*



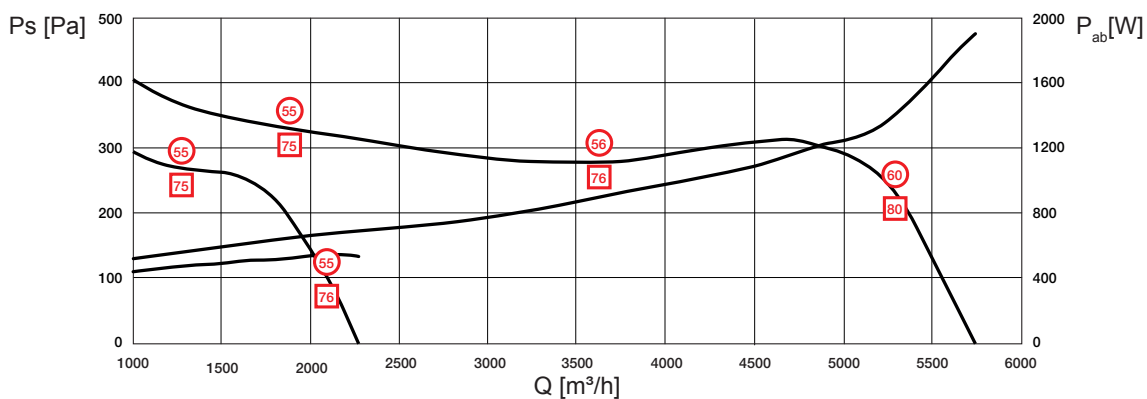
MVB 4350*



MVB 6000*



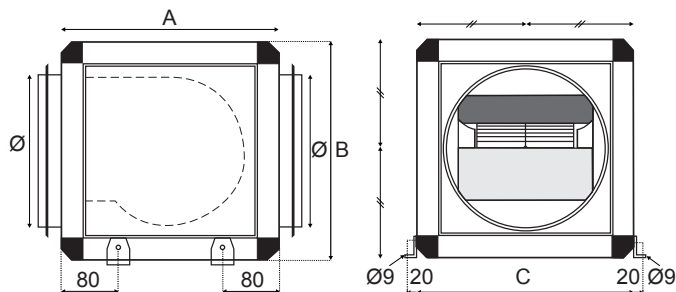
MVB 6500*



Technical data										
	U [V]	P [W]	I [A]	SC	Tm [°C]	To [°C]	TP	Lwa 5 [dB(A)]	Lpa @4m [dB(A)]	IP
MVB 1000	1 x 230	155	0.68	TSC-1-15	60	-25	PTI	73	56	IP44 / F
MVB 1500	1 x 230	147	1.60	TSC-1-22	40	-20	PTI	67	47	IP55 / F
MVB 2000	1 x 230	300	2.40	TSC-1-40	40	-20	PTI	67	47	IP55 / F
MVB 3000	1 x 230	500	5.00	TSC-1-50	40	-20	PTI	70	50	IP10 / F
MVB 4000*	1 x 230	550	7.40	TSC-1-110	40	-20	PTI	-	-	IP10 / F
MVB 4350*	1 x 230	550	8.00	TSC-1-110	40	-20	PTI	-	-	IP10 / F
MVB 6000*	3 x 230/400	1500	8.00/4.70	TSCTK-4-70 / FIS-4420E-2.2	40	-20	PTO	-	-	IP20 / B
MVB 6500*	1 x 230	1100	10.20	TSC-1-140	40	-20	PTI	-	-	IP20 / B

* niet meer verkrijgbaar / n'est plus disponible / no longer available

- SC = Speed controller
- Tm = Maximum air temperature
- To = Minimum operating temperature
- TP = Thermal protection
 - PTI = Thermal protection integrated
 - PTO = External thermal protection (to be connected on site)
- Lwa 5 = Sound power level @inlet
- Lpa = Sound pressure level



	Dimensions				
	A [mm]	B [mm]	C [mm]	Ø [mm]	Kg
MVB 1000	445	445	445	250	27
MVB 1500	445	445	445	315	32
MVB 2000	445	445	445	315	34
MVB 3000	545	545	545	400	46
MVB 4000*	545	545	545	400	34
MVB 4350*	645	645	645	450	42
MVB 6000*	745	745	745	500	50
MVB 6500*	745	745	745	500	52

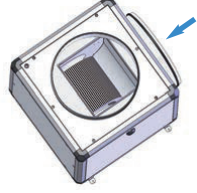
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Configurations

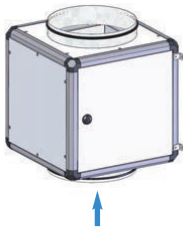
HH



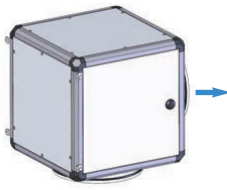
HV



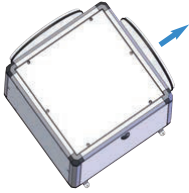
VV



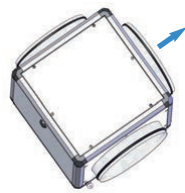
VH



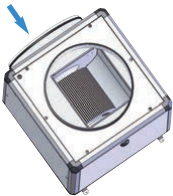
OH



2 OH



OV



2 OV

