

Alaskon VHR Heat Recovery Units

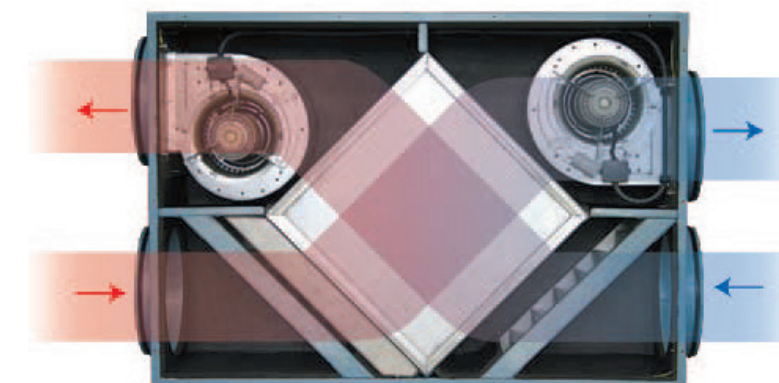
Are designed for both energy saving and improving indoor air quality. Using aluminium air-to-air plate type heat exchangers, they are able to work with a range of residential, commercial and industrial air-conditioning applications. Heat exchangers with high conductivity, crossflow or counterflow construction enable efficiencies of up to 85% when transferring heat from warm to cold air streams.

Alaskon VHR Heat Recovery Units come with in-built filtration.

Alaskon VHR Heat Recovery Units have fully insulated cabinets giving excellent sound and thermal insulation properties.

Alaskon VHR Heat Recovery Units come standard with electronic controllers that have:

- Both On/Off and automatic functions.
- 5 different speeds for each fan (supply and exhaust).
- Manual or automatic control for optionally installed electric heaters.
- BMS capability (relevant Gateway required).



Cross section airflow diagram of unit in cooling mode



Alaskon Heat Recovery controller

Electric Duct Heater (VCE)

Alaskon electrical heaters have TSEK certification, CE marked and GOST-R certification.

Technical specifications meet the requirements of directives EMC 89/336/EEC and are tested according to EN 55014-1, EN 61000-3-2/3-3 for EMC.

Electrical heaters are produced in single or three phase upon request in standard spiral duct dimensions. The heaters have overheat devices.

Heaters can be controlled manually by an SEC Controller or automatically by an FEC Controller.



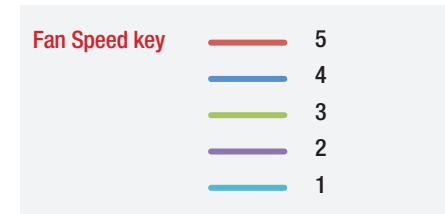
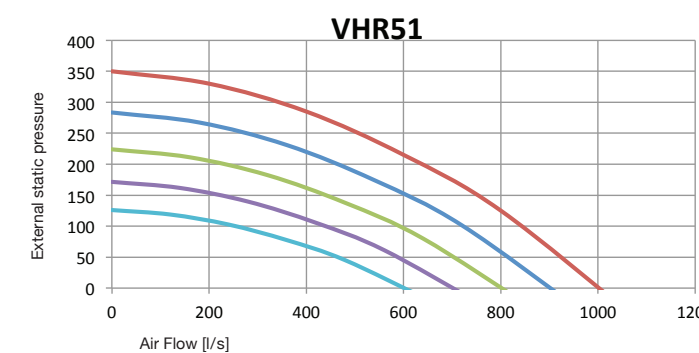
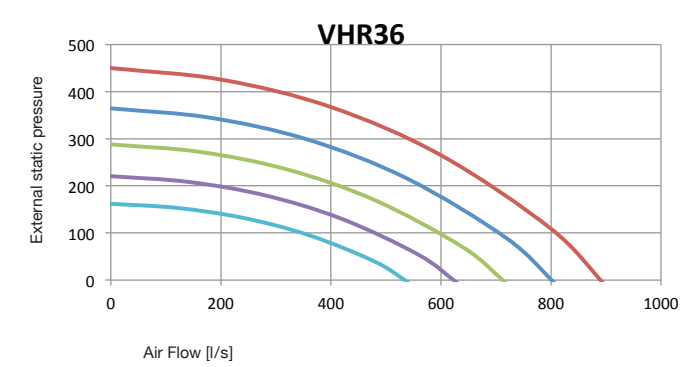
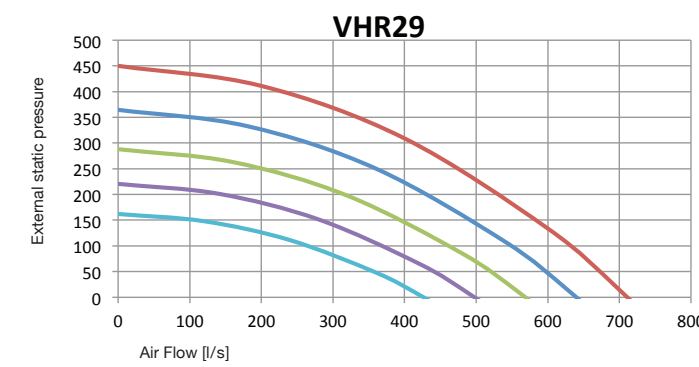
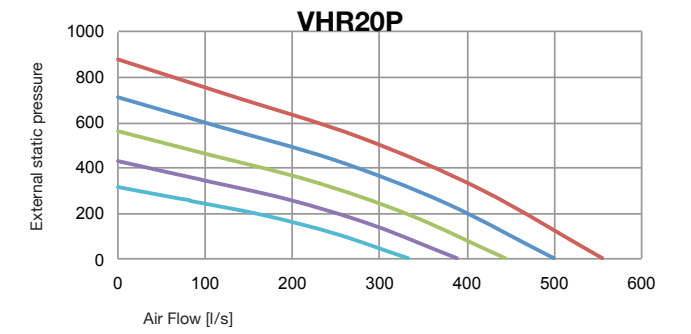
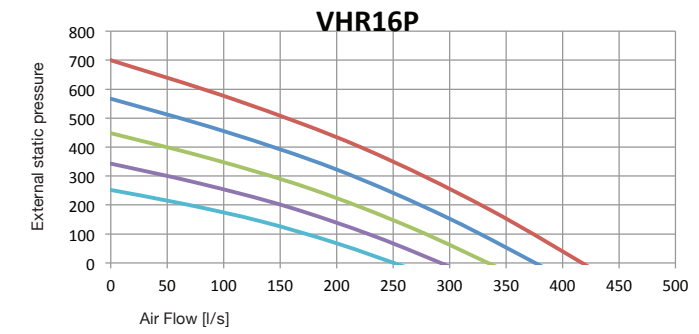
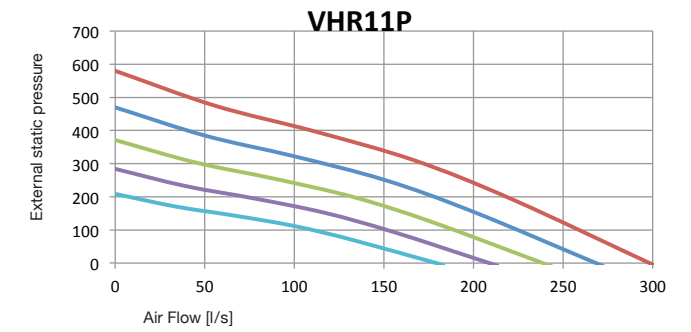
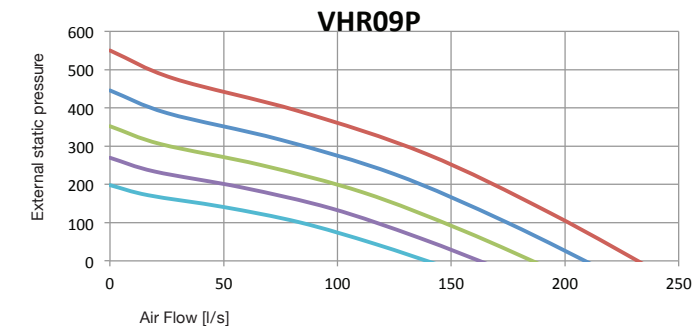
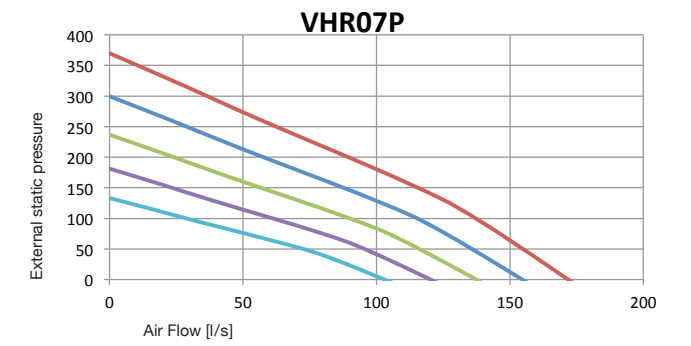
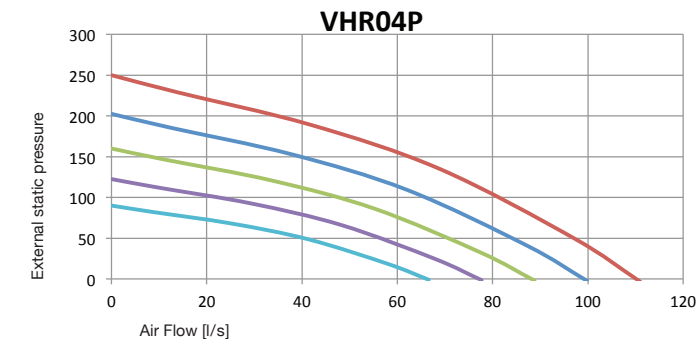
Technical Specifications for VHR Models

ALASKON MODEL		VHR 04 P	VHR 07 P	VHR 09 P	VHR 11 P	VHR 16 P	VHR 20P	VHR 29	VHR 36	VHR 51	
Order Code		FAN4450	FAN2468	FAN2445	FAN2469	FAN5536	FAN2441	FAN2442	FAN4402	FAN2447	
Air Flow 0 Pa*	l/s	110	170	235	300	410	550	700	880	1000	
Air Flow 150 Pa*	l/s	60	120	175	235	350	490	595	750	780	
Efficiency	%	Efficiency up to 70%, depending on working conditions									
ELECTRICAL	Voltage	230V / 50Hz									
	Motor Power	Watt	120	170	270	310	450	1000	1100	1100	1472
	Maximum current	A	0.50	0.80	1.20	1.40	2.05	4.5	11.0	11.0	12.0
Air Filter		Synthetic Filter – For Exhaust and Fresh Air									
OPTIONAL	Electrical Heater or Heater for Hot Water 90/70°C	kW	2 230V 1~	2 230V 1~	3 230V 1~	3 230V 1~	4 400V 3~	5 400V 3~	7 400V 3~	10 400V 3~	12 400V 3~

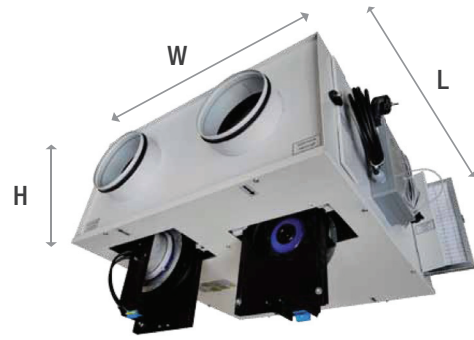
Dimensions for VHR Models

ALASKON MODEL		VHR 04 P	VHR 07 P	VHR 09 P	VHR 11 P	VHR 16 P	VHR 20 P	VHR 29	VHR 36	VHR 51
Length (mm)	L	800	900	900	940	1115	1115	1400	1450	1650
Width	W	740	860	860	1020	1030	1030	980	1100	1160
Height (mm)	H	295	335	335	450	430	430	420	595	690
Duct	Ød	Ø160	Ø200	Ø200	Ø250	Ø300	Ø300	Ø355	Ø400	Ø450
Weight (kg)		28	40	40	63	65	70	104	145	160
Dimensions of connection (mm)	W1	180	215	215	250	255	255	235	260	285
	W2	195	225	225	270	265	265	240	245	270
	W3	180	215	215	250	255	255	265	305	345
	W4	195	225	225	270	265	265	240	245	270
Service Clearance	S	400	450	450	500	550	550	450	450	500

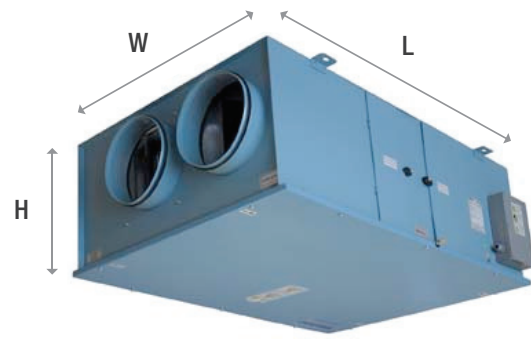
Airflow - External Static Pressure



Unit measurement guide



VHR 04 P - 11 P



VHR 15 - 51

