

VR-400 EV



- **High efficiency heat recovery unit without need for defrosting will give the highest average efficiency over the year**
- **Changes automatically to summer operation with no heat recovery**
- **Flexible installation and no need for condensation drain**
- **User friendly operation and commissioning from integrated touch pad controls**
- **Built-in filter guard**

The VR-400 EV is a complete, white painted unit for ventilation of homes and smaller commercial buildings, developed for installation on the wall in laundry room, utility room or similar. The unit is double skinned, fully insulated and with complete control functions, equipped with centrifugal fans for inlet and extract air, rotating heat exchanger ensures a low power consumption and sufficient temperature on supply air without use of re-heater battery. For installations in very cold areas, VR-400 EV/2 with integrated re-heater battery, can be supplied as an alternative.

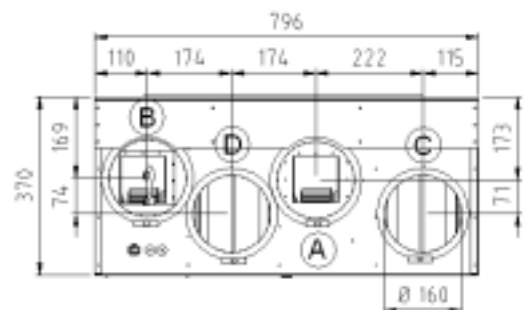
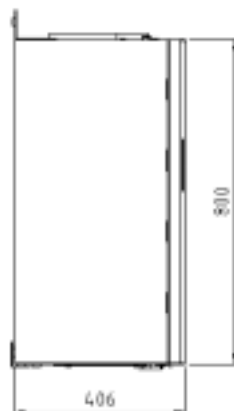
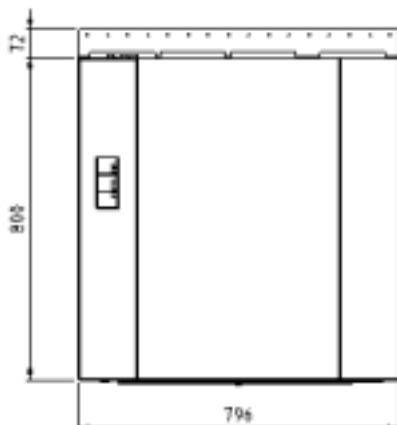
The unit will automatically alternate between normal operation with heat recovery and summer operation without heat recovery. This solution will also automatically recover chilled indoor air (cooling). The CE control panel is elegant, functional and easy to operate, with handy buttons for choice of airflow and supply air temperature. Discreet lamp indicators show chosen settings, electrical heater battery in operation (only VR-400 EV/2) or time for filter change. Commissioning of airflow on normal ventilation, choice of service intervals between filter changes and override of separate timer, if installed, can also be made from the control panel. Alarm menu will show possible operation malfunctions.

Electrical connection

- Connection to mains supply via 1 m cable and plug for earthed connection
- 4-cores (12V) for signal from remote control panel, if installed. Connection via external plug or alternatively on terminal block in the junction box. Use twin plugs for installation of several control panels.
- 2-cores for potential free signal from separate timer, if installed

VR-400 EV VR-400 EV/2

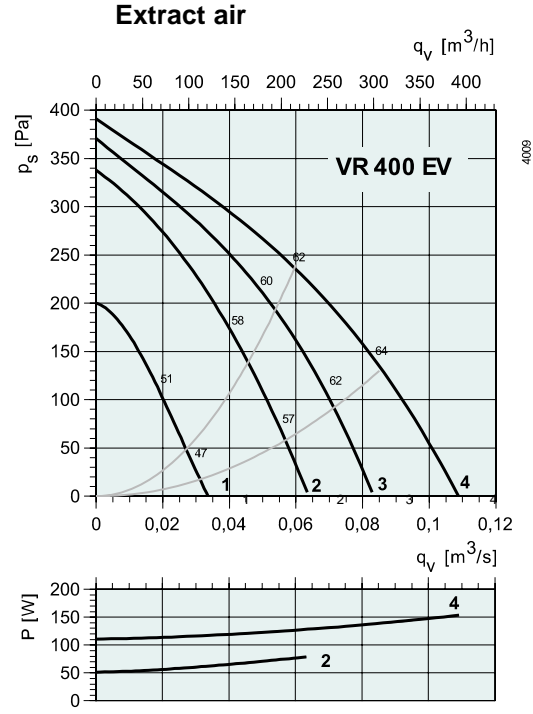
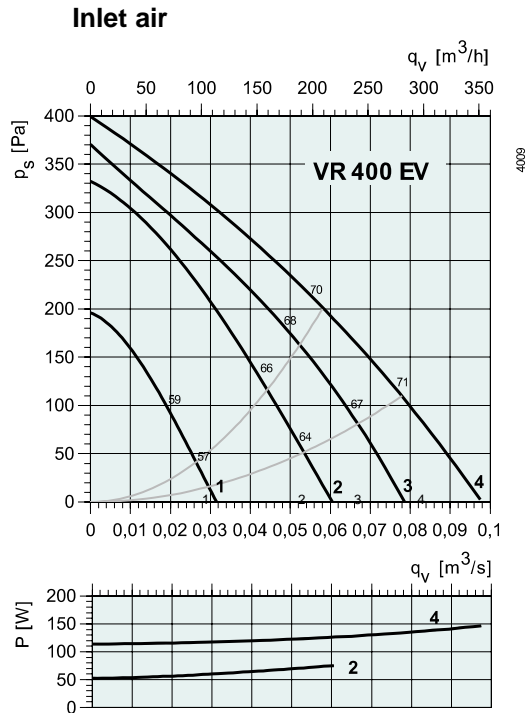
Voltage/frequency	V/Hz	230-240 / 50	230-240 / 50
Phases	~	1	1
Motors	W	2 x 138	2 x 138
Re-heater	W		1670
Fuse	A	10	10
Net weight / incl. packing	kg	59/69	59/69
Filter, inlet	bag	EU7	EU7
Filter, extract	bag	EU3	EU3



- A Exhaust air
- B Supply air
- C Fresh/outdoor air
- D Extract air

Capacity diagram

The diagram shows available pressure to duct



VR-400 EV

Inlet

L _{WA} outlet, dB(A)	Tot	Octave band, Hz							
		63	125	250	500	1k	2k	4k	8k
4 max, 230 V	70	56	56	63	64	63	63	54	48
3 normal high, 160 V	68	55	54	62	62	62	59	51	46
2 normal low, 130 V	66	54	52	60	60	59	55	48	41

Extract

L _{WA} outlet, dB(A)	Tot	Octave band, Hz							
		63	125	250	500	1k	2k	4k	8k
4 max, 230 V	62	48	49	56	60	48	43	35	29
3 normal high, 160 V	60	46	46	54	58	47	41	32	25
2 normal low, 130 V	58	45	44	51	56	44	38	29	28

Sound level exhaust ~ supply air, outlet
 Sound level fresh air ~ extract air, inlet

Surrounding

L _{WA} outlet, dB(A)	Tot	Octave band, Hz							
		63	125	250	500	1k	2k	4k	8k
4 max, 230 V	48	16	21	34	41	44	44	33	29
3 normal high, 160 V	46	11	18	32	40	42	40	29	24
2 normal low, 130 V	42	13	15	28	35	39	34	25	25

Temperature efficiency exchanger block
 At air ratio 1:1 and air humidity 50%



NOTE!

The tables show sound power level L_{WA}, not to be confused with sound pressure level L_{PA}

Additional equipment

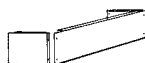
Specifications may be changed without notice



Control panel



Week timer



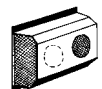
Duct cover



Roof unit



Wall grill



Combi grill