

VM-400 EV



- **Up to 90% thermal efficiency**
- **Touch pad controls for user friendly operation from integrated or remote control panel(s)**
- **Delicate design and well dimensioned**
- **Automatic defrost function**

The VM-400 EV is a complete unit for ventilation in homes and smaller commercial buildings. The unit is painted white and designed for installation on the wall in laundry room, utility room or similar.

The counter flow heat exchanger ensures up to 90% thermal efficiency. An electrical pre-heater battery will melt rime or ice in the exchanger block, and defrost the unit as necessary.

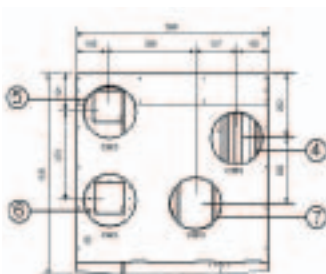
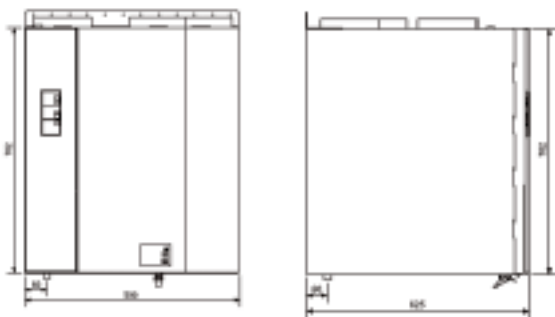
Airflow and minimum supply air temperature can be set from a user friendly control panel, integrated on the front of the unit, alternatively from one or more remote control panels. Discreet lamp indicators show chosen settings, electrical heater battery in operation and time for filter change. Commissioning 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.

Electrical connections

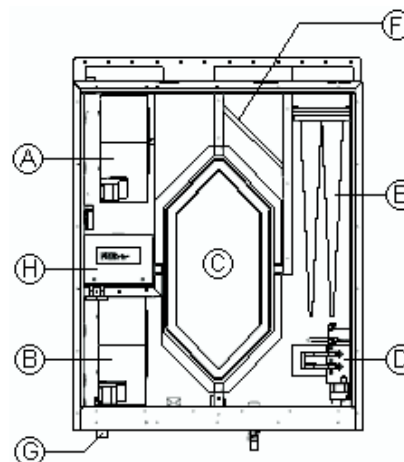
- Connection to mains supply via 1 m cable and plug for earthed connection
- 4-cores (12V) for signal from remote control panel, if installed
- 2-cores for potential free signal from separate timer, if installed

VM-400 EV

Voltage/frequency	V/Hz	230-240 / 50
Phases	~	1
Motors	W	2 x 138
Pre-heater battery (if installed)	W	2000
Fuse	A	10
Net weight / incl. packing	kg	58/66
Filter, inlet	bag	EU7
Filter, extract		aluminium



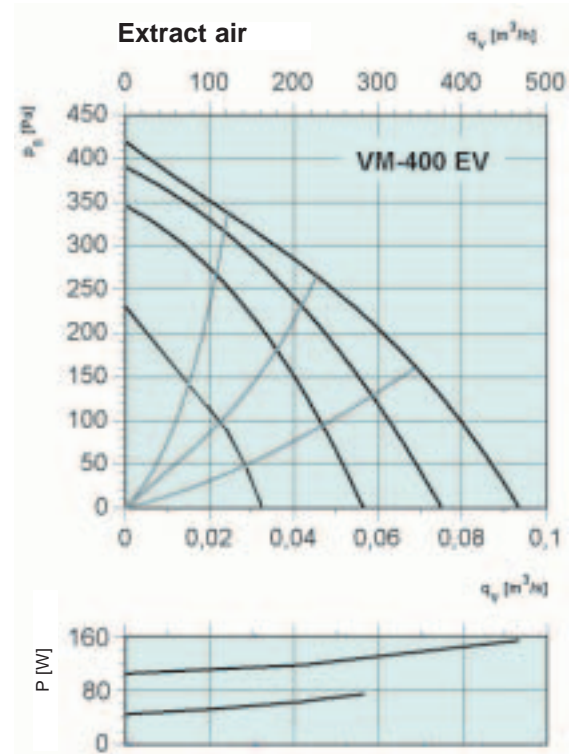
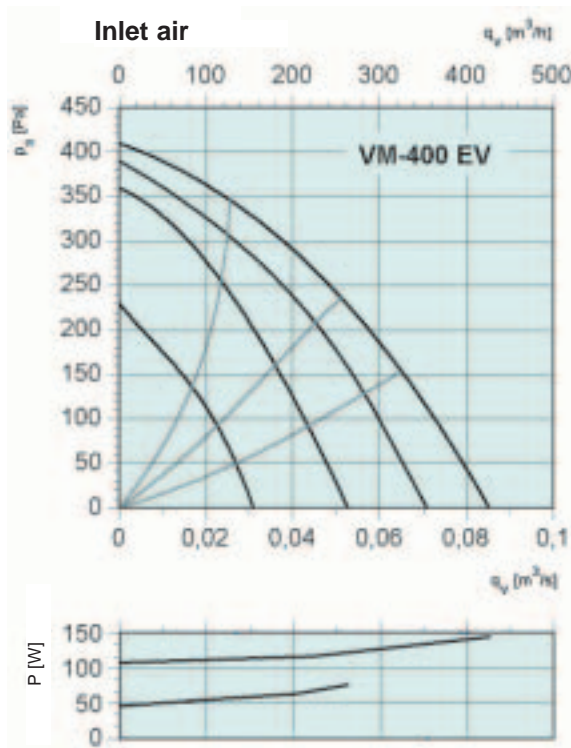
4. Fresh air intake, Ø160 mm
5. Stale air exhaust, Ø160 mm
6. Supply air, Ø160 mm
7. Extract air, Ø160 mm



- A Inlet fan
- B Extract fan
- C Counter flow heat exchanger block
- D Pre-heater battery
- E Fresh air filter
- F Extract filter
- G Condensation drain, Ø17,5 mm
- H Control functions

Capacity diagram

The diagram shows available pressure to duct



VM-400 EV

Inlet

L_{WA} outlet, dB(A)	Tot	Octave band, Hz							
		63	125	250	500	1k	2k	4k	8k
4 Max. 230V	69	54	61	64	64	60	59	54	48
3 Norm. high 160V	68	51	59	62	63	59	56	52	46
2 Norm. low 130V	64	48	56	59	59	55	52	47	41

Extract

L_{WA} inlet, dB(A)	Tot	Octave band, Hz							
		63	125	250	500	1k	2k	4k	8k
4 Max. 230V	60	46	49	57	56	46	46	37	31
3 Norm. high 160V	56	35	45	53	52	42	40	31	19
2 Norm. low 130V	54	43	46	49	50	42	42	30	21

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

Surroundings

L_{WA} , dB(A)	Tot	Octave band, Hz							
		63	125	250	500	1k	2k	4k	8k
4 Max. 230V	54	32	44	47	47	44	46	44	40
3 Norm. high 160V	52	30	43	46	45	43	43	42	37
2 Norm. low 130V	49	29	41	43	42	40	40	39	33

Temperature efficiency exchanger block

At air ratio 1:1 and air humidity 50%

Airflow, m ³ /h	Temperature efficiency, %
140	90
180	88
230	87
260	86

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



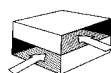
Control panel



Week timer



Duct cover



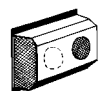
Summer block



Roof unit



Wall grill



Combi grill