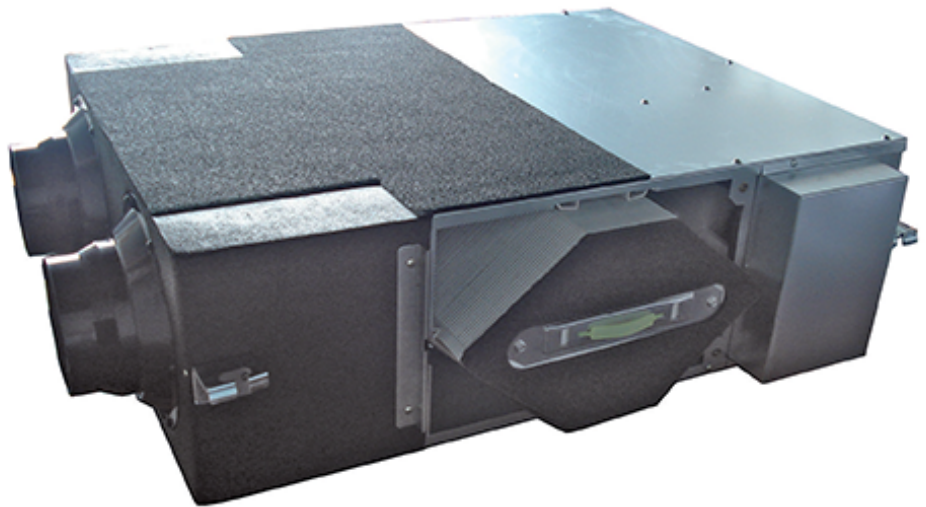


Heat recovery unit VMC-E 025÷130



Air flow rate: 250÷1.300 m³/h

- ✓ **Extremely compact**
- ✓ **High efficiency recovery**
- ✓ **Very silent**
- ✓ **Brushless DC fans**



Web code: VMC01

Fresh air terminal unit with counterflow static heat recovery.

Construction features

- Galvanised sheet steel self-bearing structure, insulated internally and externally.
- Recovery unit: thanks to a high yield static type heat exchanger with counterflows consisting of flat layers of special paper that allow total heat exchange, thereby recovering both sensitive and latent heat. The air flows are kept separate by relevant sealing. Maintenance is easily performed on the heat exchanger and filters thanks to side extraction.
- By-pass motorised system of the recovery unit actuated automatically by the electronic control
- Air filtration in F9 efficiency class (with G3 pre-filter) on the fresh air and G3 filter on return air.
- Integrated dirty filter signal pressure switches.
- Fans: fresh air inlet and centrifugal expulsion with BRUSHLESS EC motors that allow higher efficiency to be achieved in comparison to traditional motors with energy savings of up to 60%. 10-speed management option.
- Ducting connections with plastic round fittings.
- Incorporated electrical panel with electronic board to control the free-cooling and fan functions.

Controls

- KPST- Touch screen remote control panel
- KQSW- CO2 wall sensor for fan regulation
- KUSW- Wall humidity sensor for fan regulation

Technical Data

VMC MODEL		25	35	50	80	100	130
Nominal air flow	m ³ /h	250	350	500	750	1000	1300
Nominal available static pressure	Pa	90	140	110	140	140	140
Total nominal absorbed power	W	80	130	150	320	390	500
Total maximum absorbed current	A	0,5	0,6	0,6	1,4	2,1	2,7
Int S.F.P.	W/m ³ /s	812	670	547	865	881	873
① Sound pressure	dB(A)	34	37	39	42	43	44
Electrical supply	V-ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Speed number		10	10	10	10	10	10
HEAT RECOVERY							
② Winter efficiency (temp/enthalpy)	%	73/65	74/65	76/67	76/65	76/62	74/59
③ Summer efficiency (temp/enthalpy)	%	73/62	74/62	76/63	76/63	76/60	74/58
④ Dry thermal efficiency	%	73	74	76	76	76	74
DIMENSIONS AND WEIGHT		25	35	50	80	100	130
Length/Depth/Height	mm	815/650/270	815/855/270	895/955/270	1185/1200/390	1200/1290/390	1200/1290/390
Weight	Kg	30	37	43	71	83	83

Data at the following conditions:

- ① Sound pressure level assessed at 1 m, with all 4 air nozzles ducted, on the machine inspection side and under nominal operating conditions
- ② Nominal winter conditions: outdoor air: -5°C; 80% TH. Ambient air: 20°C; 50% RH.
- ③ Nominal summer conditions: outdoor air: 32°C; 50% TH. Ambient air: 26°C; 50% RH.
- ④ According to EU Regulation 1253/2014

RHOSS S.P.A. declines all responsibility for possible mistakes in this document and reserves the right to alter the features of their products without notice.

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