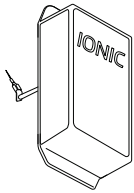
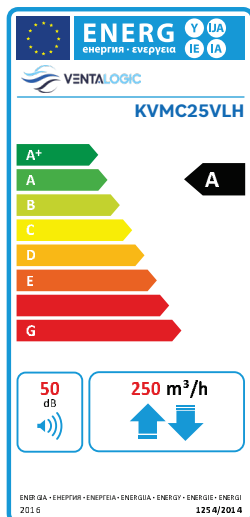


Optional - ECOFILTRO PLUS



Optional - IONIC



**UNIDADE DE VENTILAÇÃO MECÂNICA CONTROLADA (VMC) COM RECUPERADOR DE CALOR - ALTA EFICIÊNCIA
CONTROLO PLUG AND PLAY SEM FIOS INCLuíDO
BY-PASS AUTOMÁTICO INCLuíDO
INSTALAÇÃO HORIZONTAL-VERTICAL-DIREITA-ESQUERDA**

Recuperador de calor: contra-corrente inteiramente em material plástico.

Estrutura: autoportante em EPP selado com caixa externa em aço, com filtro de extração e sistema de drenagem de condensados.

Ventiladores: tipo plug fan com motores EC Brushless.

Filtros: VMC equipada com filtro padrão G4 de fibra sintética, filtro opcional F7.

**DOMESTIC CENTRALIZED HEAT RECOVERY UNIT WITH VERY HIGH EFFICIENCY AND WITH WIRELESS PLUG AND PLAY CONTROL SYSTEM INCLUDED
AUTOMATIC BY-PASS INCLUDED
INSTALLATION HORIZONTAL-VERTICAL-RIGHT -LEFT**

Heat recovery: heat exchanger of the type in countercurrent entirely made of plastic material.

Structure: free standing EPP seal, complete of filters ex traction system and drain condensate.

Fans: plug fan with EC Brushless engine single inlet.

Filters: the units are equipped with standard filter cells synthetic fiber efficiency G4, optional F7 efficiency on fresh air.

Caudal (mc/h) Nominal air flow (mc/h)	250
Pressão estática útil (pa) Useful static pressure (pa)	100

VENTILADORES | DATA FOR EACH FAN

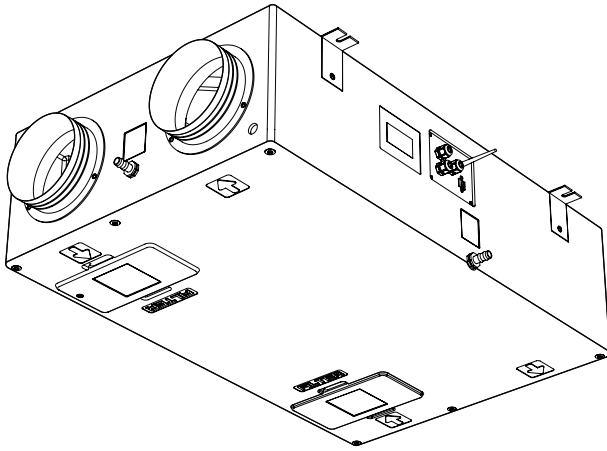
Potência nominal (por cada ventilador) (w) Installed power (W)	50
RPM (1/min) Round (1/MIN)	4320
Corrente (A) Current (A)	0,46
Tensão (V) Rated voltage (V)	230
Frequência (Hz) Frequency (HZ)	50
Velocidades (nr) Speed (nr)	3+(1 booster)

FILTROS | FILTERS

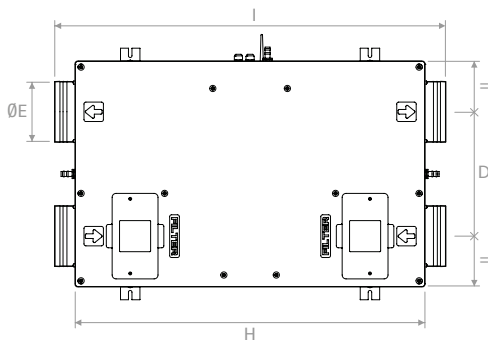
Eficiência Efficiency Standard	G4 ISO COARSE > 65 %
Eficiência Efficiency Optional	F7 ISO e PM1 > 65 %

DESENHO | DRAWINGS

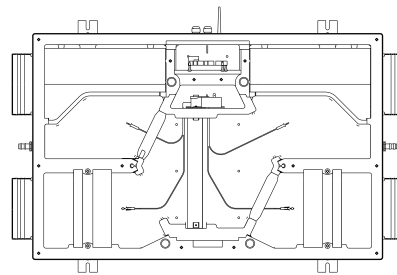
PESO | WEIGHT: 14 kg



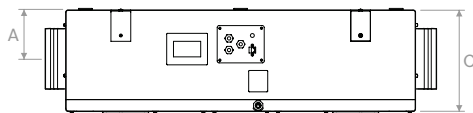
Vista Inferior | Bottom View



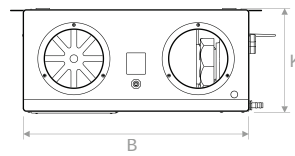
Vista interna | Internal view



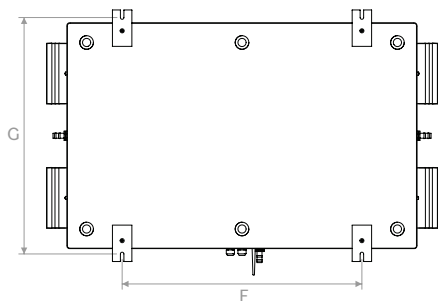
Vista lateral | Side view



Vista frontal | Front view



Vista de Plano | Plan view

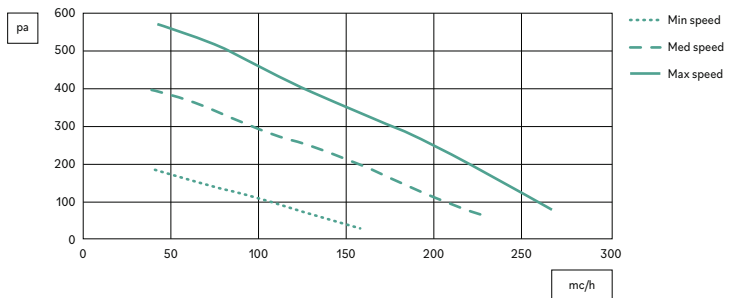


	A	B	C	D	ØE	F	G	H	I	K
mm	125	580	260	320	156	617	609	900	1005	268

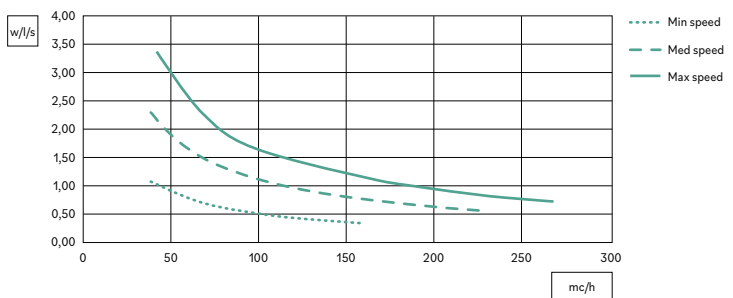
DIAGRAMA DE PRESTAÇÕES | PERFORMANCE CHARTS

PRESTAÇÃO CERTIFICADA EN 13141:7:2011 | PERFORMANCE EN 13141:7:2011 CERTIFIED

Pressão Estática Útil
Useful static pressure
① ③

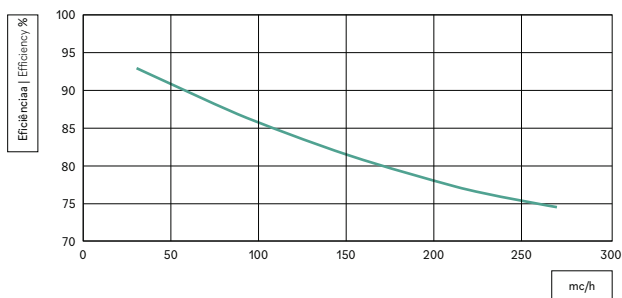


Potência específica do ventilador
S.F.P.
②

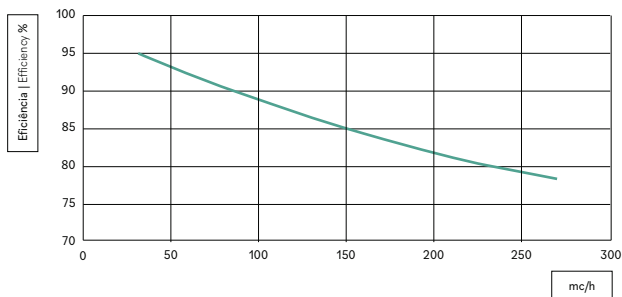


PERMUTADOR CERTIFICATO EN 308 | HEAT EXCHANGER EN 308 CERTIFIED

Desempenho:
Verão
Ar externo: 32 °C / 50 % H.R.
Ar ambiente: 26 °C / 50 % H.R.
Summer efficiency chart
Fresh air: 32 °C / 50 % R.H.
Return air: 26 °C / 50 % R.H.



Desempenho:
Inverno
Ar externo: - 5 °C / 80 % H.R.
Ar ambiente: 20 °C / 50 % H.R.
Winter efficiency chart
Fresh air: - 5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.

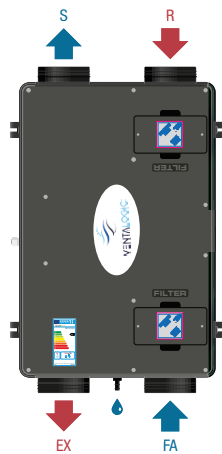


① Dados com filtro padrão G4 | Data with standard G4 filters
② Dados por cada ventilador | Data for single fan
③ Queda de pressão do ar com filtro F7, 80 pa na taxa máxima de fluxo de ar com filtro limpo
Air pressure drop with F7 efficiency filter 80 pa at maximum air flow rate with clean filter

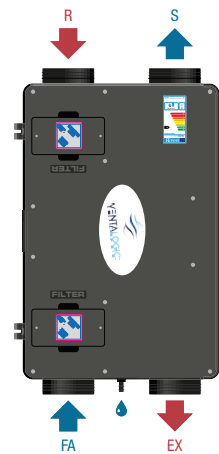
CONFIGURAÇÕES | CONFIGURATION

INSTALAÇÃO VERTICAL NA PAREDE | VERTICAL WALL INSTALLATION

Tipo | Type A (Standard)

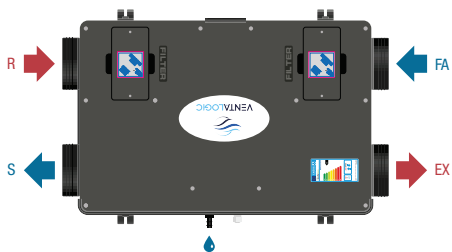


Tipo | Type B

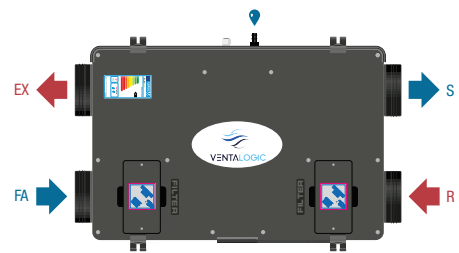


INSTALAÇÃO HORIZONTAL NO TETO | HORIZONTAL CEILING INSTALLATION

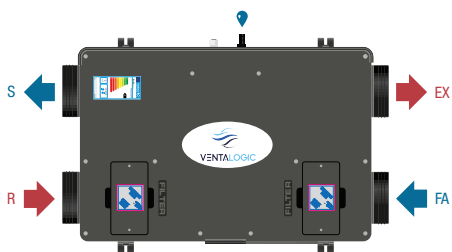
Tipo | Type A (Standard)



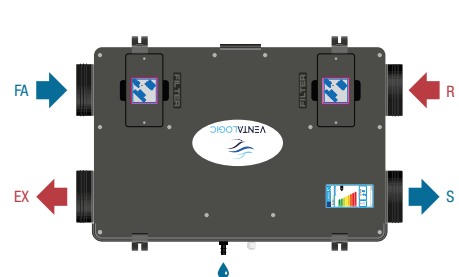
Tipo | Type A1 (Standard)



Tipo | Type B



Tipo | Type B1



Legenda | Legend
 EX= exaustão | exhaust air
 R= retorno | return
 FA= ar fresco | fresh air
 S= insuflação | supply

KVMC25VLH

DECLARAÇÃO DE DESEMPENHO DA UNIDADE VMC KVMC25VLH

DECLARATION OF PERFORMANCE HEAT RECOVERY UNIT

Marca comercial Supplier name or trade mark	VENTALOGIC								
Modelo da VMC e opções de instalação Supplier Model Identifier and options installed	KVMC25VLH + 4BRF			KVMC25VLH + RHRF / CO2RF			KVMC25VLH + RHRF / CO2RF -local		
Clima Reference climate	Temperado Temperate	Frio Cold	Quente Hot	Temperado Temperate	Frio Cold	Quente Hot	Temperado Temperate	Frio Cold	Quente Hot
SEC in [kWh/(m ² a)] por tipo de clima (temperado, frio, quente) for each type of climate (temperate, cold, hot)	-32,31	-79,19	-9,46	-35,88	-76,82	-12,44	-40,03	-82,35	-15,78
Classe energética Class	B	A+	F	A	A+	E	A	A+	E
Tipologia de VMC Declared Typology	UVR-B Bidirecional UVR-B Bidirectional			UVR-B Bidirecional UVR-B Bidirectional			UVR-B Bidirecional UVR-B Bidirectional		
Tipo de controlador instalado Type of drive installed	Múltiplas velocidades Multi-speed drive			Velocidade variável Variable speed			Velocidade variável Variable speed		
Tipo de sistema Type of heat recovery	Recuperador Recuperative			Recuperador Recuperative			Recuperador Recuperative		
Eficiência térmica ¹ Thermal efficiency ¹	77,1%			77,1%			77,1%		
Caudal máximo [m ³ /h] ² Maximum flow rate in [m ³ /h] ²	250			250			250		
Potência máxima [W] Maximum electric Power in [W]	114			114			114		
Nível sonoro (LWA) in [dB(A)] ³ Sound Power Level (LWA) in [dB(A)] ³	50			50			50		
Caudal de referência [m ³ /h] ⁴ Reference flow rate [m ³ /h] ⁴	175			175			175		
Diferencial de pressão [Pa] Reference pressure difference in [Pa]	50			50			50		
SPI [W/m ³ /h] ⁵	0,28			0,28			0,28		
Fator de controlo e tipologia Control factor and typology	1			0,85			0,65		
Percentagem máxima de fuga interna [%] ⁶ Declared maximum internal leakage [%] ⁶	0,7			0,7			0,7		
Percentagem máxima de fuga [%] ⁶ Declared maximum external leakage [%] ⁶	1,5			1,5			1,5		
SEC Clima temperato (kWh energia elétrica/ano) SEC Temperate climate (kWh electricity/annum)	396			298			193		
AHS (kWh energia primaria/ano) AHS (kWh primary energy/annum)	4.171	8.160	1.886	4.280	8.374	1.936	4.426	8.659	2.002
Website com o manual e intruções de uso Internet address for pre/dis-assembly instruction	www.ventalogic.com								

- 1: Em conformidade com a norma EN13141-7:2010 a 50 Pa | Efficiency according EN13141-7:2010 at reference flow at 50 Pa
2: Caudal máximo a 100 Pa de pressão externa | Maximum flow at 100 Pa external pressure
3: Radiação do invólucro à taxa de fluxo de referência a 50 Pa de pressão externa | Casing radiation at reference flow rate at 50 Pa external pressure
4: O caudal de referência é 70% do caudal máximo a 50 Pa de pressão externa, de acordo com a norma EN13141-7:2010
Reference flow rate is 70% of maximum flow at 50 Pa external pressure according EN13141-7:2010
5: Em conformidade com a norma EN13141-7:2010 | According EN13141-7:2010 at reference flow rate
6: Em conformidade com a norma EN13141-7:2010 | According EN13141-7:2010
SEC: Consumo energético específico | Specific Energy Consumption



VENTALOGIC

Ar puro Vida plena

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2400-765 Amor Leiria

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