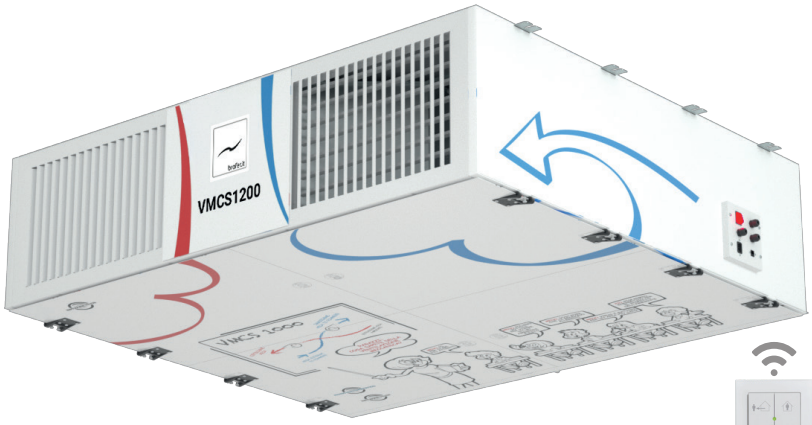
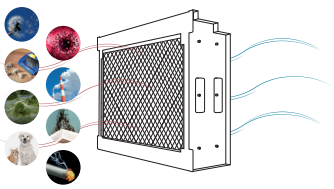


4BRF

VMCS1200



Filtro elettronico (optional)
efficienza UNI 11254 e PM 2,5 90/95%
Electronic filter (optional)
efficency UNI 11254 and PM 2,5 90/95%

UNITÀ DECENTRALIZZATA VMC AD ALTISSIMA EFFICIENZA

Recuperatore di calore: scambiatore del tipo in controcorrente in materiale plastico ad altissima efficienza. Completo di bypass automatico e vasca raccolta condensa.

Struttura: a sandwich afonizzata autoportante. Provvista di pannelli asportabili per le operazioni di manutenzione ordinaria e straordinaria. Completa di staffe per il fissaggio a soffitto.

Ventilatori: centrifughi a doppia aspirazione con motore elettrico EC brushless direttamente accoppiato con funzionamento a portata costante.

Filtri: efficienza G4 su ripresa ambiente. Efficienza M5 su presa aria esterna.

Optional:
- Controllo CO2 (CO2RF).
- Filtro efficienza F7 (VMCS1200 F7).
- Modulo comunicazione modbus (MODBUSRF).

DECENTRALIZED VMC HEAT RECOVERY UNIT WITH VERY HIGH EFFICIENCY

Heat recovery: high efficiency plastic counter-current exchanger. Complete with automatic bypass and condensate collection basin.

Structure: self-supporting soundproof sandwich structure. Equipped with removable panels for ordinary and extraordinary maintenance operations. Complete with brackets for ceiling fixing.

Fans: double inlet centrifugal fans with directly coupled brushless EC electric motor with constant flow operation.

Filters: G4 efficiency on return air. M5 efficiency on fresh air.

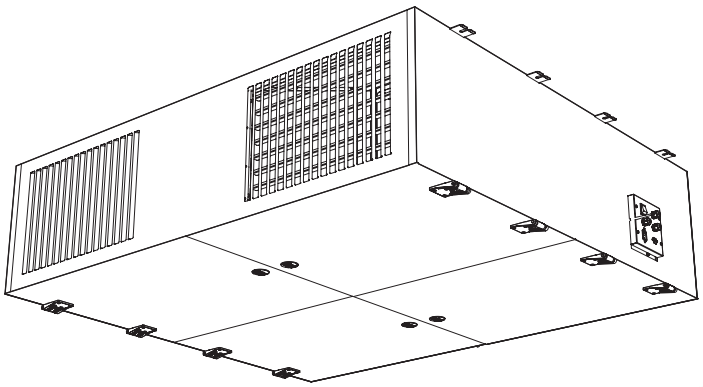
Optional:
- CO2 control (CO2RF).
- F7 efficiency filter (VMCS1200 F7).
- Modbus communication device (MODBUSRF).

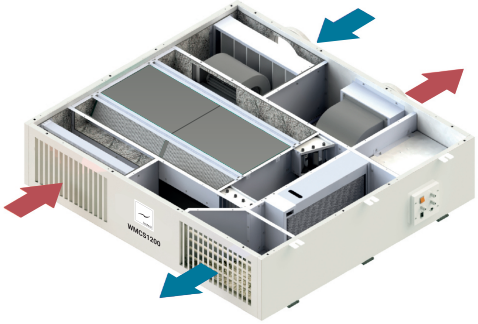
	VMCS1200 - VMCS1200FE
Portata aria rinnovo | Replacement airflow	1200 mc/h
Portata aria estrazione | Extraction airflow	1200 mc/h
Efficienza recupero termico* | Thermal recovery efficiency*	85 %
Potenza nominale singolo ventilatore (w) | Installed power single fan (w)	350
Filtrazione aria rinnovo | Replacement air filtration	M5 ISO COARSE ≥ 70 %
Filtrazione aria estrazione | Extraction air filtration	G4 ISO COARSE ≥ 65 %
Filtrazione aria rinnovo (opzionale) | Replacement air filtration (optional)	F7 ISO e PM1 ≥ 65 %
Filtrazione elettronica | Electronic filtration	**Opzionale** | Optional
Controllo CO_2 | CO_2 control	**Opzionale** | Optional

* (UNI EN 308) aria rinnovo: 5°C 72% UR / aria espulsione: 25°C 28% UR
(UNI EN 308) fresh air: 5 ° C 72% RH / expulsion air: 25 ° C 28% RH

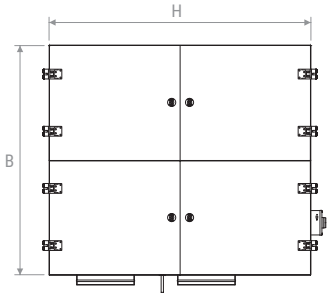
DISEGNI | DRAWINGS

PESO | WEIGHT: **220 kg**





Vista dal basso | Bottom View

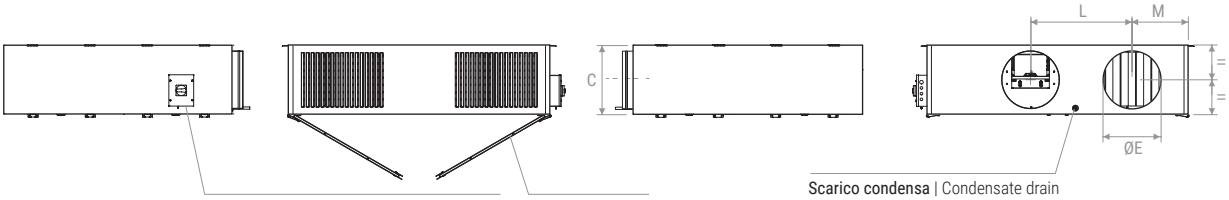


Vista laterale DX | Side view right

Vista frontale | Front view

Vista laterale SX | Side view left

Vista posteriore | Rear view

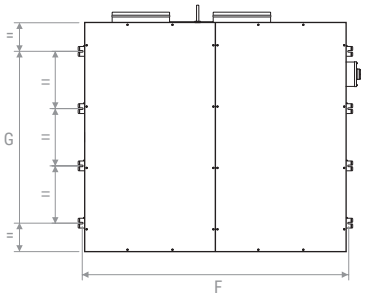


Ingresso alimentazione | Power supply input
Ingresso controller | Controller input
Pulsante accensione | Power button

Porte ispezione
Inspection doors

Scarico condensa | Condensate drain
Tubo vitreo Ø20 | Vitreous pipe Ø20

Vista dall'alto | Top view



	B	H	C	ØE	F	G	L	M
mm	1400	1600	426	355	1628	1050	623	344

VMCS1200

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS

SCAMBIATORE CERTIFICATO EN 308 | HEAT EXCHANGER EN 308 CERTIFIED

Diagramma efficienza estiva
Aria esterna: 32 °C / 50 % U.R.
Aria ambiente: 26 °C / 50 % U.R.
Summer efficiency chart
Fresh air: 32 °C / 50 % R.H.
Return air: 26 °C / 50 % R.H.

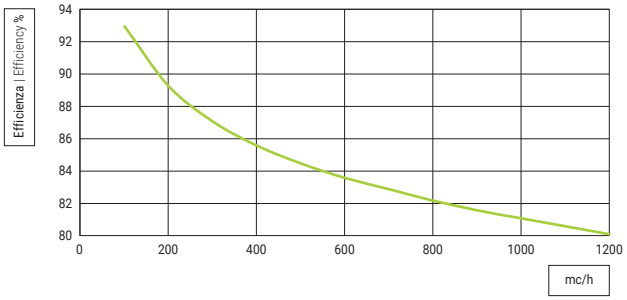
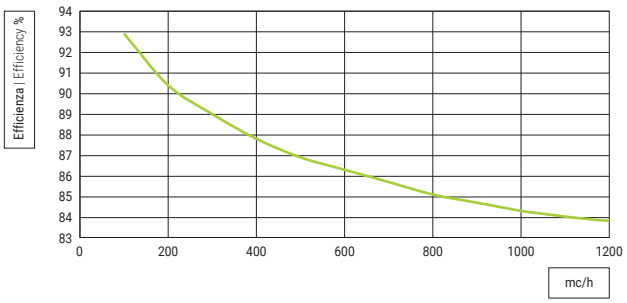


Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.



DATI ACUSTICI RELATIVI A POTENZA SONORA IRRAGGIATA DALLA STRUTTURA
ACOUSTIC DATA RELATIVE TO THE SOUND POWER RADIATED BY THE CASING

	Portata aria Air flow rate	Frequenza | Frequency								
	mc/h	Hz								
		63	125	250	500	1000	2000	4000	8000	
Velocità alta | High speed	1270	46,5	54	56	52,5	59	57	47	40,5	dB
Velocità media | Medium speed	910	42,5	47	46,5	45,5	53	51,5	39	32	dB
Velocità bassa | Low speed	740	39	43,5	43,5	42	49	45,5	34	27	dB

DATI ECODESIGN | ECODESIGN DATA SHET

Modello Model	Efficienza Efficiency	Portata aria nominale Nominal air flow rate	Pressione statica utile Useful static pressure	SFPInt	SFP-2018	Velocità frontale Front speed	Efficienza ventilatore Fan Efficiency	Leakage interno Internal leakage	Leakage esterno External lekage
	%	mc/h	pa	w/m³/s	w/m³/s	m/s	%	%	%
VMCS1200	79,4	850	250	1341	1436	1,44	53	4,5	5,2

VERSIONI DISPONIBILI | VERSIONS AVAILABLE

Modello | Model	
VMCS1200	**Versione standard** | Standard version
VMCS1200FE	**Versione con filtro elettronico** | Vesion with electronic filter
VMCS1200G4	**Filtro efficienza G4 (ricambio)** | Filter G4 efficiency (spare part)
VMCS1200M5	**Filtro efficienza M5 (ricambio)** | Filter M5 efficiency (spare part)
VMCS1200F7	**Filtro efficienza F7 per aria rinnovo** | F7 efficiency filter for replacement air

COMPOSIZIONE SISTEMI DI REGOLAZIONE | CONTROL SYSTEM COMPOSITION

	4BRF	**RHRF**	**CO2RF**	**MODBUSRF**	**APPRF**	**DSPRF**	**TSMART**
Modello Model							
Controllo velocità Speed control	●	●	●		●	●	●
By-pass						●	●
Intasamento filtri Clogged filters	●	●	●			●	●
Controllo umidità Humidity control		●					●
Controllo CO_2 CO_2 control			●				●
Funzione booster Booster function	●				●	●	●
Trasmettitore MODBUS MODBUS gate way				●			
Impostazione velocità Speeds setting		●	●			●	●
ON/OFF			●			●	●
Allarmi puntuali Punctual alarms	●	●	●			●	●

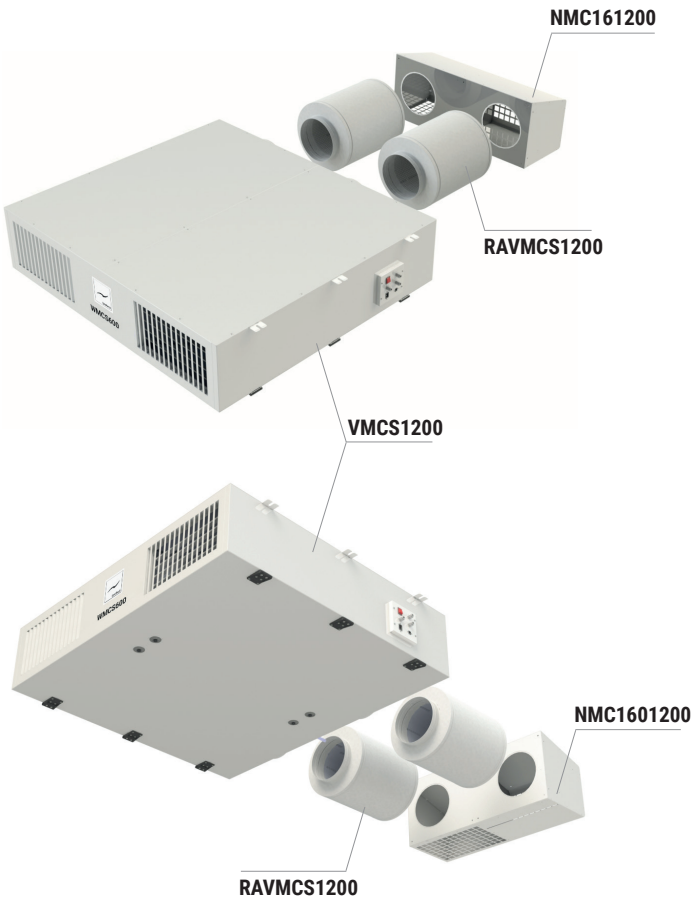
Descrizione dettagliata comandi a pag. 32-35 | Detailed commands device description on page 32-35

VMCS1200

ACCESSORI | ACCESSORIES

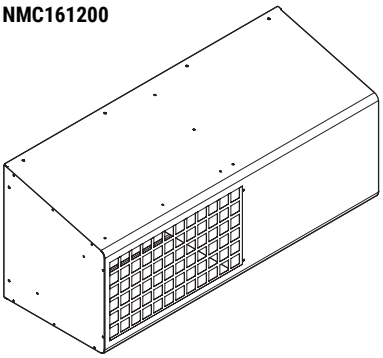
Modello | Model			
NMC161200		Modulo compatto di espulsione presa aria di rinnovo in lamiera zincata verniciata RAL 9016 Compact module exhaust fresh air galvanized steel RAL 9016 painted	
RAVMCS1200		Silenziatore circolare senza ogiva in lamiera zincata Circular sound attenuator with out ogive in galvanized steel	**RAVMCS1200250** (250 mm) **RAVMCS1200500** (500 mm) **RAVMCS1200750** (750 mm) **RAVMCS12001000** (1000 mm)

APPLICAZIONI | APPLICATIONS

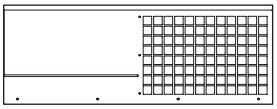


DISEGNI | DRAWINGS

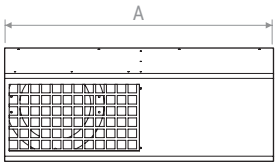
NMC161200



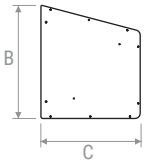
Vista dal basso | Bottom View



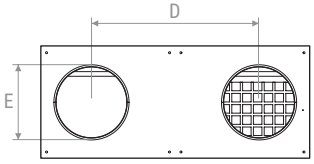
Vista frontale | Front View



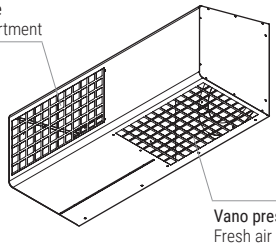
Vista laterale | Side View



Vista posteriore | Rear View



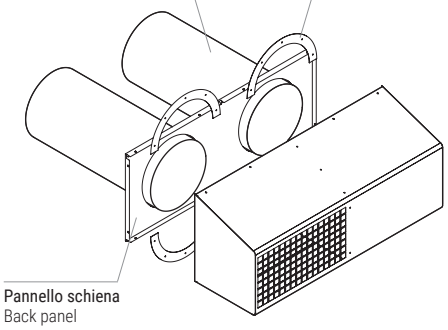
Vano di espulsione
Exhaust air compartment



Vano presa aria esterna
Fresh air compartment

Ghigliottine per adattamento circonferenza dei canali
Ghillottines for circumference adaption of the ducts

Canali di uscita del muro
Ducts coming out of the wall



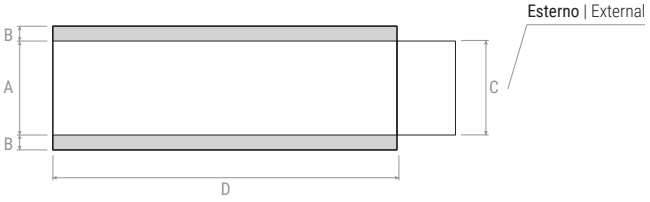
Pannello schiena
Back panel

	A	B	C	D	E
mm	1200	490	390	618	Ø 365

RAVMCS

Interno | Internal

Esterno | External



	A	B	C	D
mm	355	50	353	250 / 500 / 750 / 1000