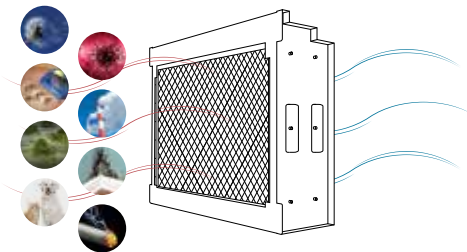


# VMCS600



4BRF



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

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

**Optional:**

- controllo CO<sub>2</sub> (CO2RF)
- filtro efficienza F7 (VMCS600 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.

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

**Optional:**

- CO<sub>2</sub> control (CO2RF)
- F7 efficiency filter (VMCS600 F7)
- modbus communication device (MODBUSRF)

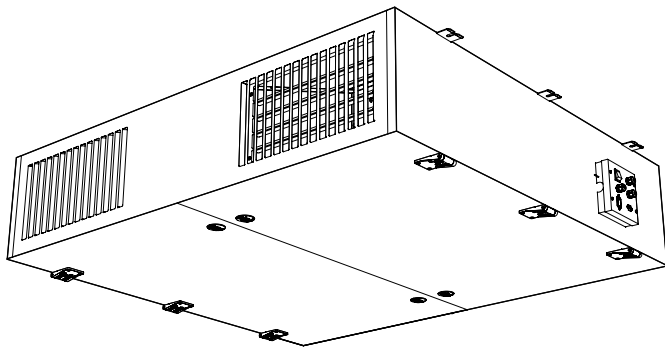
### VMCS600 - VMCS600FE

Portata aria rinnovo   Replacement airflow	600 mc/h
Portata aria estrazione   Extraction airflow	600 mc/h
Efficienza recupero termico*   Thermal recovery efficiency*	90 %
Potenza nominale singolo ventilatore (w)   Installed power single fan (w)	156
Pressione sonora dB(A)   Sound pressure dB(A)	38
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 <sub>2</sub>   CO <sub>2</sub> control	Opzionale   Optional

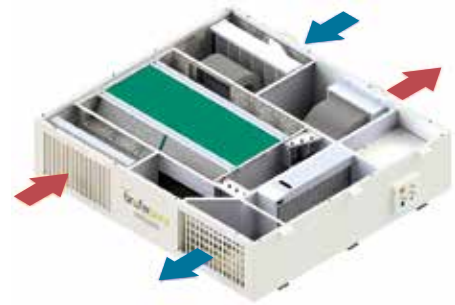
\* (UNI EN 308) aria rinnovo: 5°C 72% UR / aria espulsione: 25°C 28% UR  
 (UNI EN 308) fresh air: 5 ° C 72% RH / expulsion air: 25 ° C 28% RH



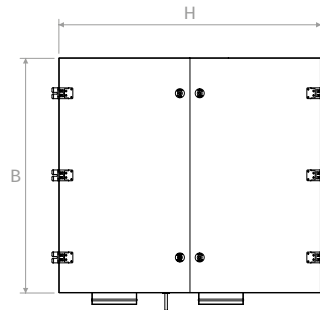
**DISEGNI | DRAWINGS**



PESO | WEIGHT: 170 kg



Vista dal basso | Bottom View

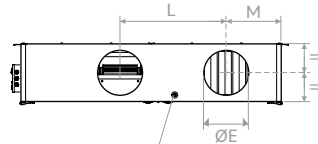


Vista laterale DX | Side view right

Vista frontale | front view

Vista laterale SX | Side view left

Vista posteriore | Rear view

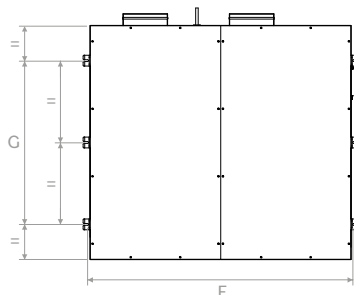


Ingresso alimentazione | Power supply input  
Ingresso controller | Controller input  
Pulsante accensione | Power button

Porte ispezione  
Inspection doors

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

Vista dall'alto | Top view



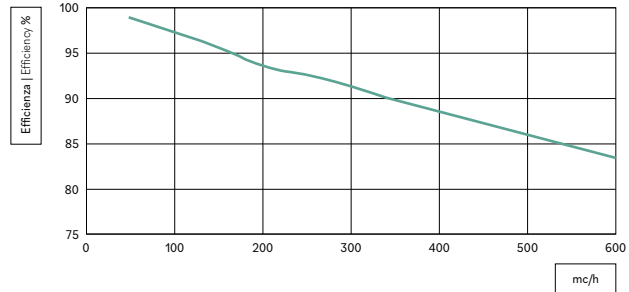
	<b>B</b>	<b>H</b>	<b>C</b>	<b>ØE</b>	<b>F</b>	<b>G</b>	<b>L</b>	<b>M</b>
mm	1300	1450	325	250	1478	910	591	307

## DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS

### SCAMBIATORE STANDARD CERTIFICATO EN 308 | STANDARD HEAT EXCHANGER EN 308 CERTIFIED

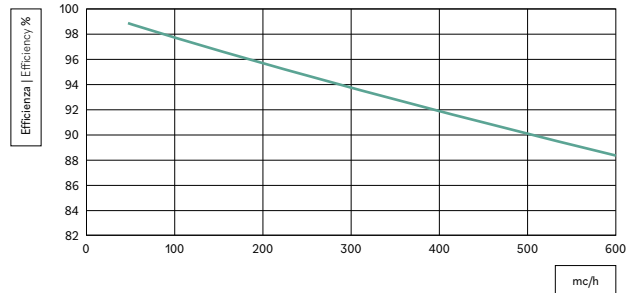
#### Diagramma efficienza estiva

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.



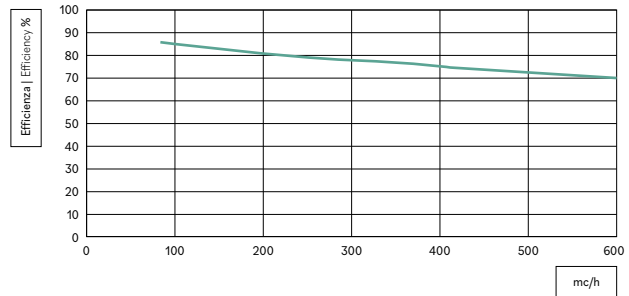
#### Diagramma efficienza invernale

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.



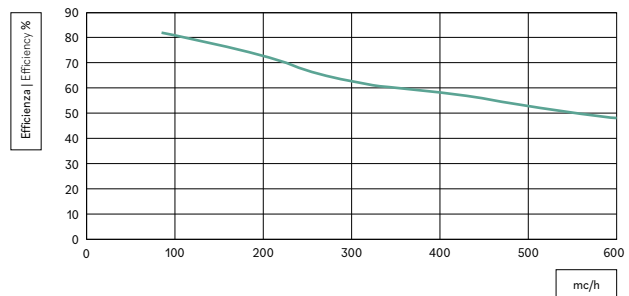
### SCAMBIATORE ENTALPICO (efficienza su temperatura) | ENTHALPIC HEAT EXCHANGER (temperature efficiency)

Aria esterna: + 5 °C / 70 % U.R.  
 Aria ambiente: 25°C / 50 % U.R.  
 Fresh air: + 5 °C / 70 % R.H.  
 Return air: 25°C / 50 % R.H.



### SCAMBIATORE ENTALPICO (efficienza su umidità) | ENTHALPIC HEAT EXCHANGER (humidity efficiency)

Aria esterna: + 5 °C / 70 % U.R.  
 Aria ambiente: 25°C / 50 % U.R.  
 Fresh air: + 5 °C / 70 % R.H.  
 Return air: 25°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	Frequenza   Frequency								
	Air flow rate	Hz								
	mc/h	63	125	250	500	1000	2000	4000	8000	
Velocità alta   High speed	600	40	51,5	52,5	52,5	54	53,5	44	31	dB
Velocità media   Medium speed	470	36	46,5	46,5	44	49	46	36,5	27	dB
Velocità bassa   Low speed	260	24	35,5	35	33	38,5	29,5	22	18	dB



**PREZZI | PRICES**

Modello   Model		€
<b>VMCS600</b>	versione standard   standard version	-
<b>VMCE600</b>	versione con scambiatore entalpico   version with enthalpic heat exchanger	-
<b>VMCS600FE</b>	versione con filtro elettronico   version with electronic filter	-
<b>VMCE600FE</b>	versione con scambiatore entalpico e filtro elettronico   version with enthalpic heat exchanger and electronic filter	-
<b>VMCS600G4</b>	filtro efficienza G4 (ricambio)   filter G4 efficiency (spare part)	-
<b>VMCS600M5</b>	filtro efficienza M5 (ricambio)   filter M5 efficiency (spare part)	-
<b>VMCS600F7</b>	filtro efficienza F7 per aria rinnovo   F7 efficiency filter for replacement air	-



	4BRF	C02RF	MODBUSRF
Modello   Model			
Controllo velocità   Speed control	●	●	
By-pass	●	●	
Antigelo   Defrost protection	●	●	
Intasamento filtri   Clogged filters	●	●	
Controllo umidità   Humidity control			
Controllo CO <sub>2</sub>   CO <sub>2</sub> control		●	
Funzione booster   Booster function	●		
Trasmettitore MODBUS   MODBUS gate way			●
Impostazione velocità   Speeds setting			
ON/OFF			
Allarmi puntuali   Punctual alarms	●	●	●
€	incluso nel prezzo included in the price		-

**DATI ECODSIGN | ECODSIGN DATA SHET**

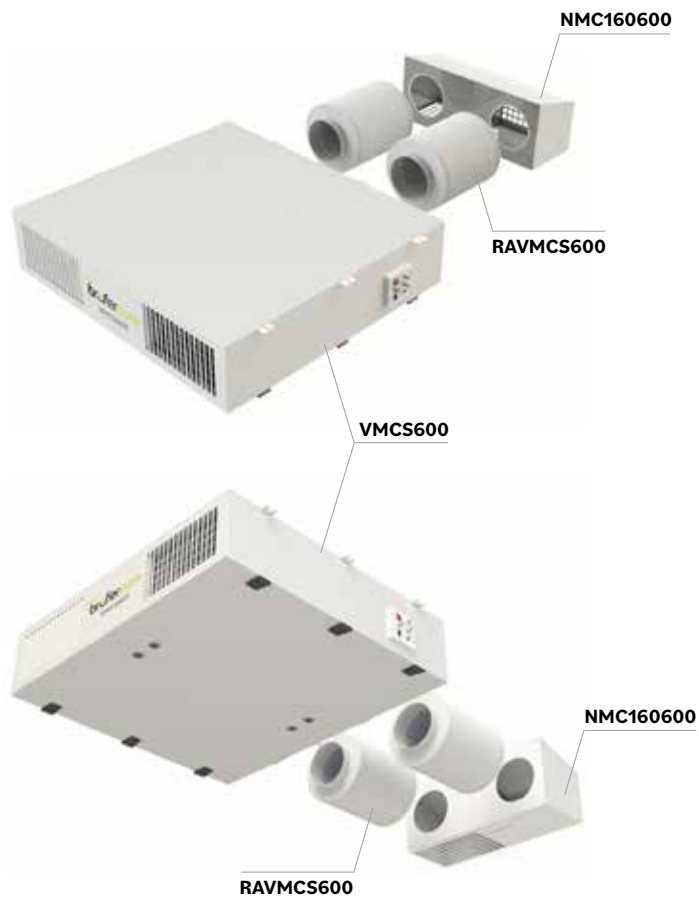
Modello Model	Efficienza Efficiency	Portata aria nominale Nominal air flow rate	Pressione statica utile Useful static pressure	SFPInt	SFP-2018	Velocità frontale Front speed	Efficienza ventilatore Fan Efficiency	Leakage interno Internal leakage	Leakage esterno External leakage
	%	mc/h	pa	w/m <sup>3</sup> /s	w/m <sup>3</sup> /s	m/s	%	%	%
<b>VMCS600</b>	86,2	470	150	1512	1656	0,92	47,5	6,4	4,9

# VMCS600

## ACCESSORI | ACCESSORIES

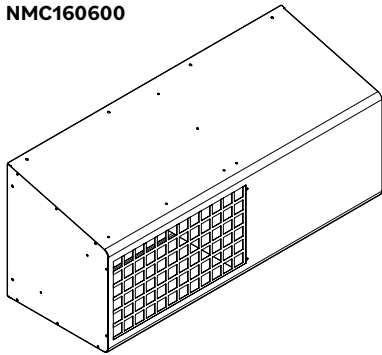
Modello   Model		€
<b>NMC160600</b>	 <p>Modulo compatto di espulsione / presa aria di rinnovo in lamiera zincata verniciata RAL 9016 Compact module exhaust / fresh air galvanized steel RAL 9016 painted</p>	-
<b>RAVMCS600</b>	 <p>Silenziatore circolare senza ogiva in lamiera zincata Circular sound attenuator with out ogive in galvanized steel</p>	<b>RAVMCS600250</b> (250 mm) -
		<b>RAVMCS600500</b> (500 mm) -
		<b>RAVMCS600750</b> (750 mm) -
		<b>RAVMCS6001000</b> (1000 mm) -

## APPLICAZIONI | APPLICATIONS

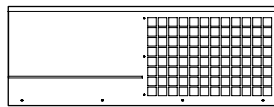


DISEGNI | DRAWINGS

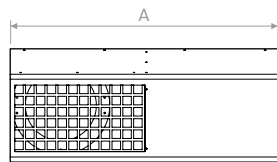
NMC160600



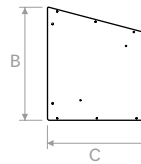
Vista dal basso | Bottom View



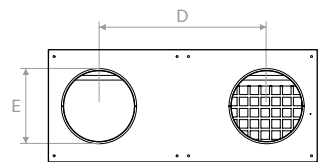
Vista frontale | Front View



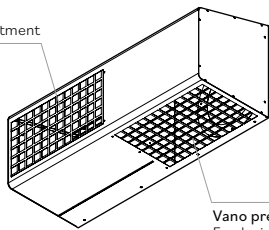
Vista laterale | Side View



Vista posteriore | Rear View



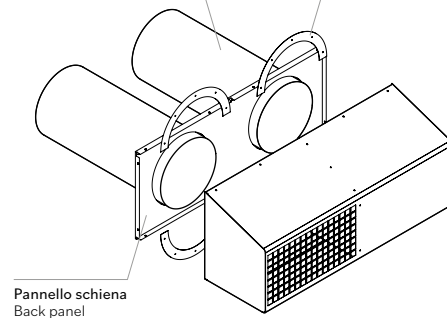
Vano di espulsione  
Exhaust air compartment



Vano presa aria esterna  
Fresh air compartment

Canali di uscita del muro  
Ducts coming out of the wall

Chigliottine per adattamento  
circonferenza dei canali  
Chillotines for circumference  
adaption of the ducts

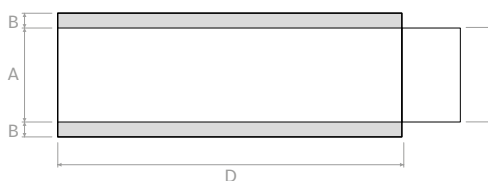


Pannello schiena  
Back panel

	A	B	C	D	E
mm	950	370	320	591	Ø 265

RAVMCS

Interno | Internal



Esterno | External



	A	B	C	D
mm	250	25	248	250 / 500 / 750 / 1000