BRK

Scheda tecnica
Data sheet

Listino
Price list

UNITÀ DI RECUPERO CALORE DI TIPO COMMERCIALE AD ALTISSIMA EFFICIENZA
BY-PASS INCLUSO
MOTORI EC CON INVERTER
INSTALLAZIONE ORIZZONTALE

Recuperatore di calore: in controcorrente interamente realizzato in alluminio. In corrispondenza dello stesso è prevista una vasca per il drenaggio della condensa.

Struttura: il telaio portante è realizzato con profili di alluminio e pannellatura sandwich afonica Le unità sono provviste di pannelli asportabili per accedere all'interno ed effettuare le operazioni di manutenzione ordinaria e straordinaria.

Ventilatori: plug fan con motore EC Brushless (modelli BRK 1600, BRK 2400). Ventilatore centrifugo a doppia aspirazione a pale avanti con motore EC Brushless a portata costante (modello BRK900).

Filtri: le unità sono provviste di serie con celle filtranti ondulate in fibra sintetica classe G4, telaio in acciaio zincato e reti di protezione in filo di acciaio zincato elettrosaldato.

COMMERCIAL HEAT RECOVERY UNIT WITH VERY HIGH EFICIENCY
BY-PASS INCLUDED
EC MOTORS WITH FREQUENCY CONVERTER
HORIZONTAL INSTALLATION

Heat recovery: the heat exchanger is the counterflow type all-aluminium. On the same is installed a condensate drain basin.

Structure: the frame is made of aluminium and galvanized steel sandwich sound proof panels. The units are equipped with removable panels for access to the interior and make routine and extraordinary maintenance.

Fans: plug fan with EC Brushless engine (models BRK 1600, BRK 2400). Fan centrifugal double inlet for ward blades with EC Brushless engine constant air flow (model BRK 900)

Filters: the units are equipped with standard filter cells wavy synthetic fiber efficiency G4, galvanized steel frame and safety nets in electro galvanized steel wire.

	BRK900	BRK1600	BRK2400
Portata aria (mc/h) | Nominal air flow (mc/h)	900	1600	2400
Pressione statica utile (pa) | Useful static pressure (pa)	100	170	90
VENTILATORE DIRETTAMENTE ACCOPPIATO (dati per singolo ventilatore) | FANS (data for each fan)			
Potenza nominale (w) | Installed power (W)	240	480	500
I nominale (A) | Current (A)	1,8	3,6	3,8
Tensione (V) | Rated voltage (V)	230	230	230
Frequenza (Hz) | Frequency (HZ)	50	50	50
Velocità (nr) | Speeds (nr)	1	1	1
FILTRI | FILTERS			
Acrilici ondulati efficienza | Corrugated acrylic efficiency		G4 ISO COARSE > 65 %	

Con temperature esterne < +2°C necessario preriscaldamento | With fresh air temperature < +2°C it is necessary pre-heating

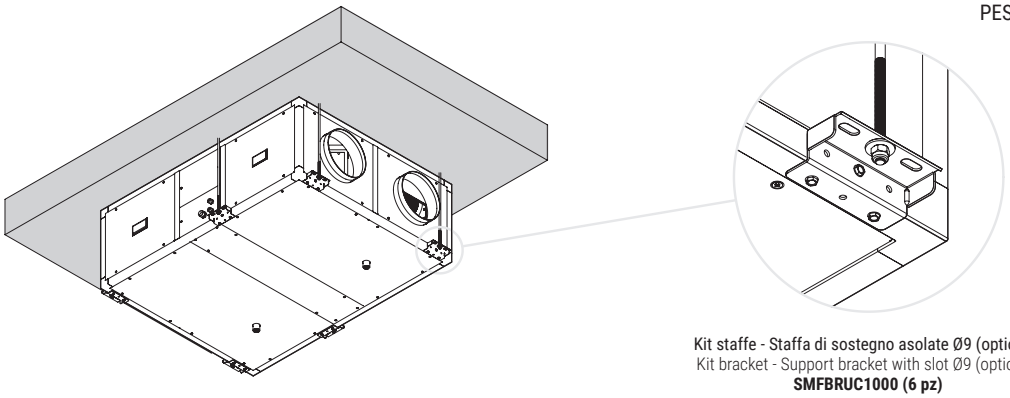
DATI ECODESIGN | ECODESIGN DATA SHEET

Modello Model	Efficienza Efficiency	Portata aria nominale Nominal air flow	Pressione statica utile Useful static pressure	SFPInt	SFP-2018	Velocità frontale Frontal speed	Efficienza ventilatore Fan efficiency	Leakage interno Internal leakage	Leakage esterno External leakage
	%	mc/h	pa	w/m³/s	w/m³/s	m³/s	%	%	%
BRK900	73,2	800	230	972	1252	1,66	37	6,6	3,9
BRK1600	74,5	1300	370	1137	1270	1,63	49	7,3	5,5
BRK2400	74	2000	230	936	1226	2,08	55	7,3	5,5

DISEGNI | DRAWINGS

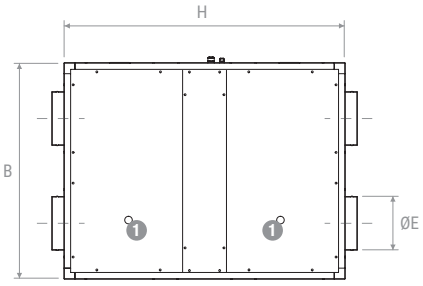
BRK900

PESO | WEIGHT: **100 kg**

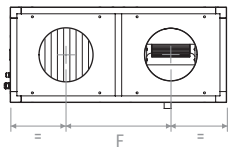


Kit staffe - Staffa di sostegno asolate Ø9 (optional)
Kit bracket - Support bracket with slot Ø9 (optional)
SMFBRUC1000 (6 pz)

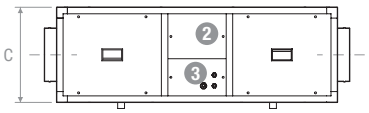
Vista dal basso | Bottom view



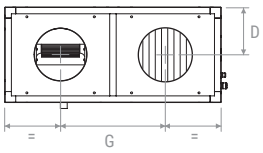
Vista frontale | Front view



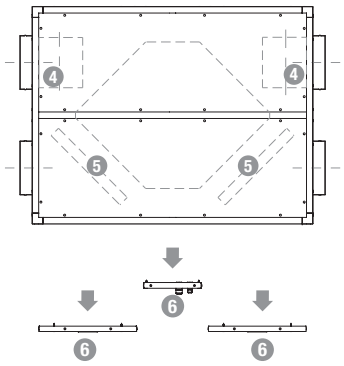
Vista laterale | Side view



Vista posteriore | Rear view



Vista dall'alto | Top view



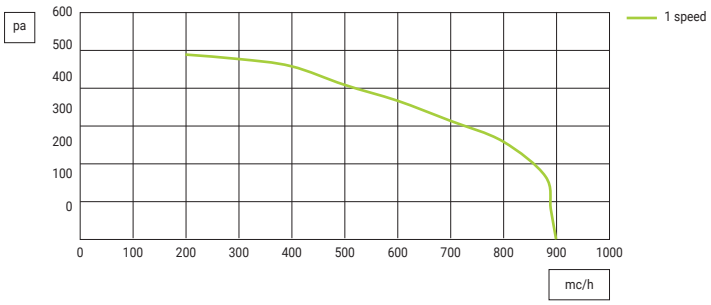
1. **Scarico condensa** | Condensed drain
2. **Comando by pass** | By pass control
3. **Ingresso alimentazione** | Power in
4. **Ventilatore** | Fan
5. **Filtro G4** | G4 filter efficiency
6. **Pannelli d'ispezione** | Ispection panels

	H	B	C	D	ØE	F	G
mm	1300	1000	440	220	250	485	485

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS

BRK900

Pressione statica utile
Useful static pressure



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.

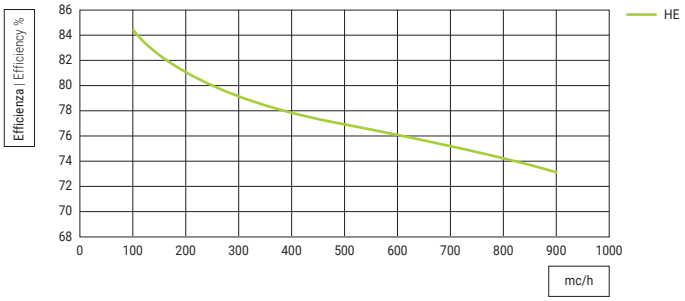
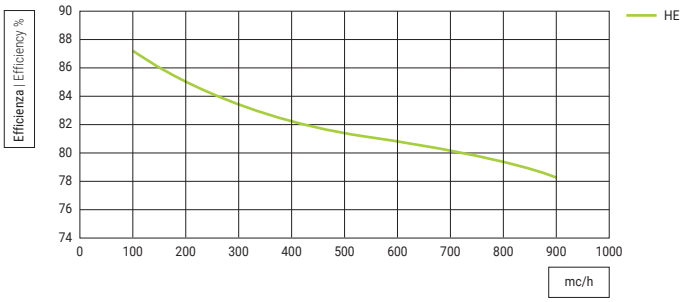


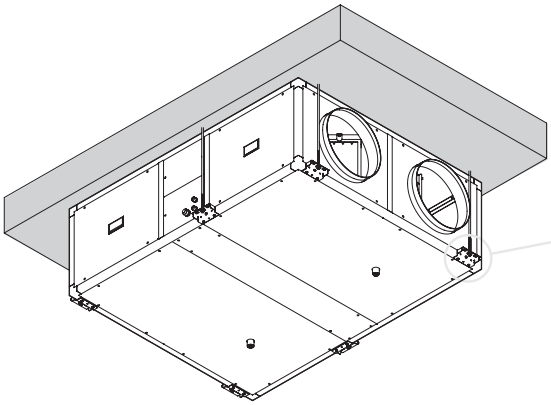
Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.

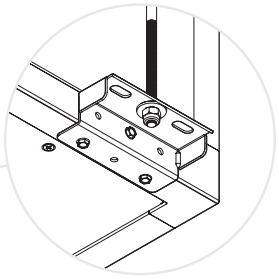


PROFESSIONAL

DISEGNI | DRAWINGS **BRK1600**

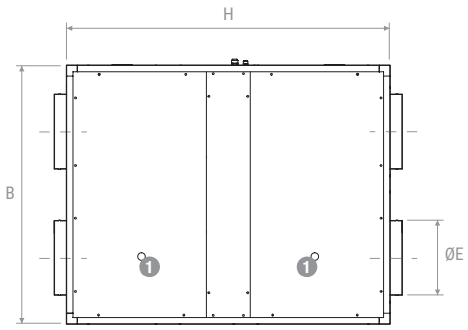
PESO | WEIGHT: **155 kg**



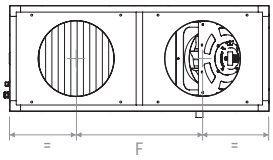


Kit staffe - Staffa di sostegno asolate Ø9 (optional)
Kit bracket - Support bracket with slot Ø9 (optional)
SMFBRUC1000 (6 pz)

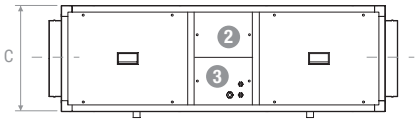
Vista dal basso | Bottom view



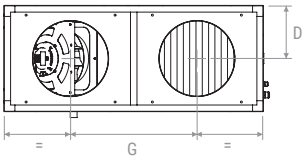
Vista frontale | Front view



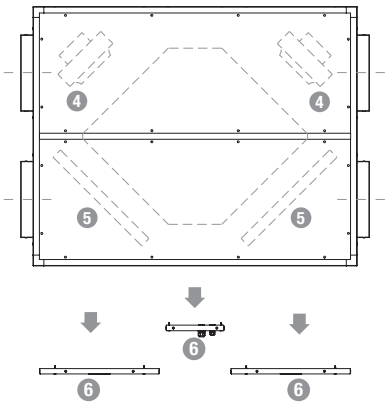
Vista laterale | Side view



Vista posteriore | Rear view



Vista dall'alto | Top view

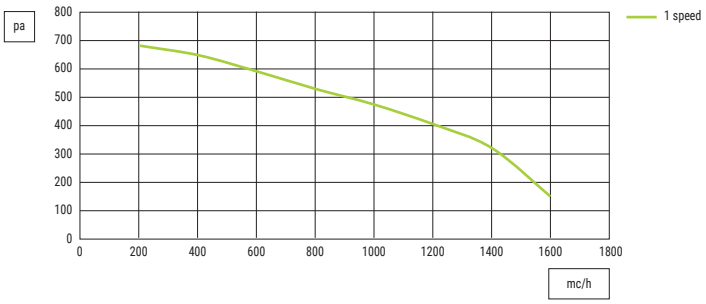


1. **Scarico condensa** | Condensed drain
2. **Comando by pass** | By pass control
3. **Ingresso alimentazione** | Power in
4. **Ventilatore** | Fan
5. **Filtro G4** | G4 filter efficiency
6. **Pannelli d'ispezione** | Ispection panels

	H	B	C	D	ØE	F	G
mm	1500	1200	490	245	355	585	585

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS BRK1600

Pressione statica utile
Useful static pressure



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.

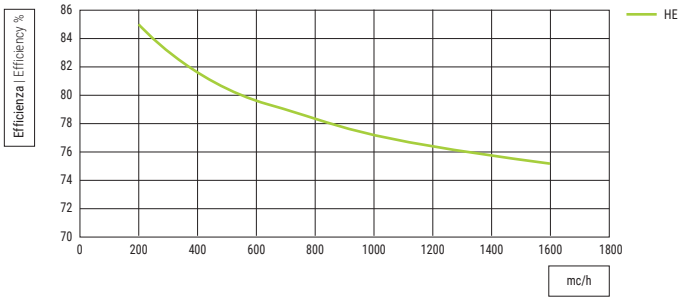
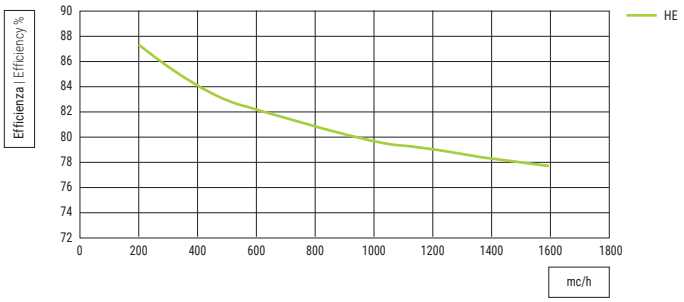


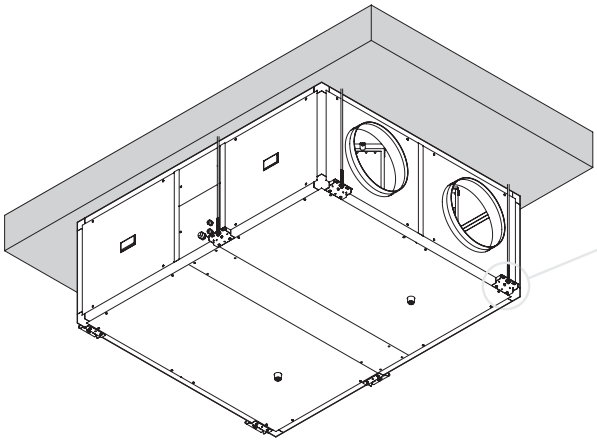
Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.

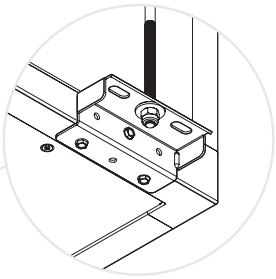


PROFESSIONAL

BRK

DISEGNI | DRAWINGS **BRK2400**

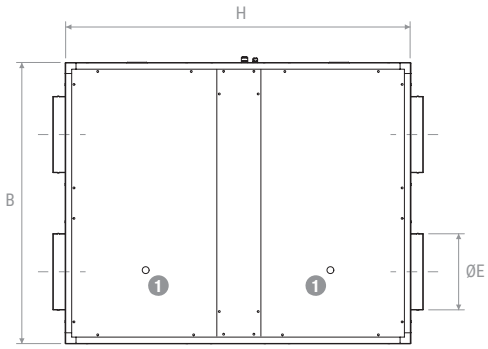




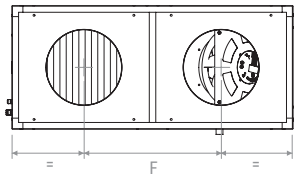
PESO | WEIGHT: **195 kg**

Kit staffe - Staffa di sostegno asolate Ø9 (optional)
Kit bracket - Support bracket with slot Ø9 (optional)
SMFBRUC1000 (6 pz)

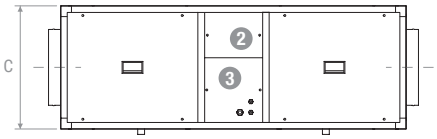
Vista dal basso | Bottom view



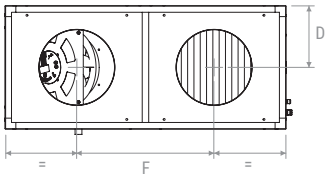
Vista frontale | Front view



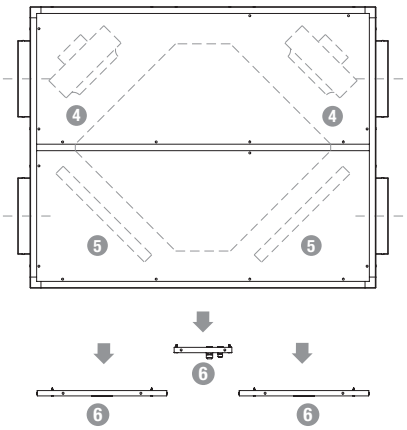
Vista laterale | Side view



Vista posteriore | Rear view



Vista dall'alto | Top view

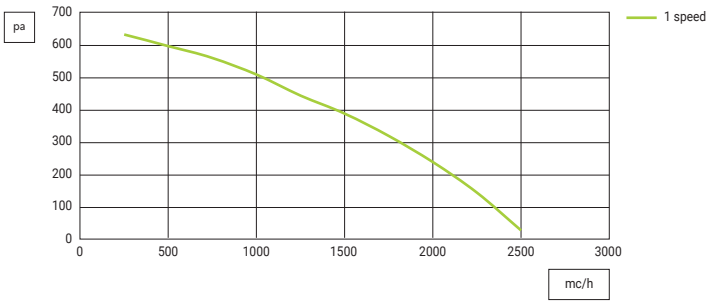


1 **Scarico condensa** | Condensed drain
2 **Comando by pass** | By pass control
3 **Ingresso alimentazione** | Power in
4 **Ventilatore** | Fan
5 **Filtro G4** | G4 filter efficiency
6 **Pannelli d'ispezione** | Ispection panels

	H	B	C	D	ØE	F	G
mm	1600	1300	570	285	355	635	635

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS BRK2400

Pressione statica utile
Useful static pressure



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.

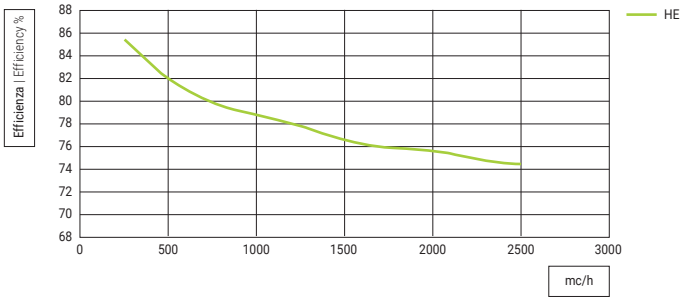
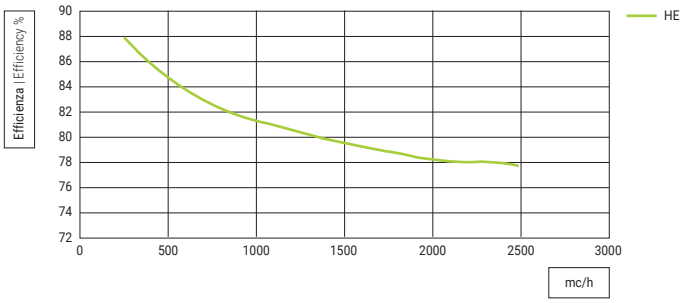


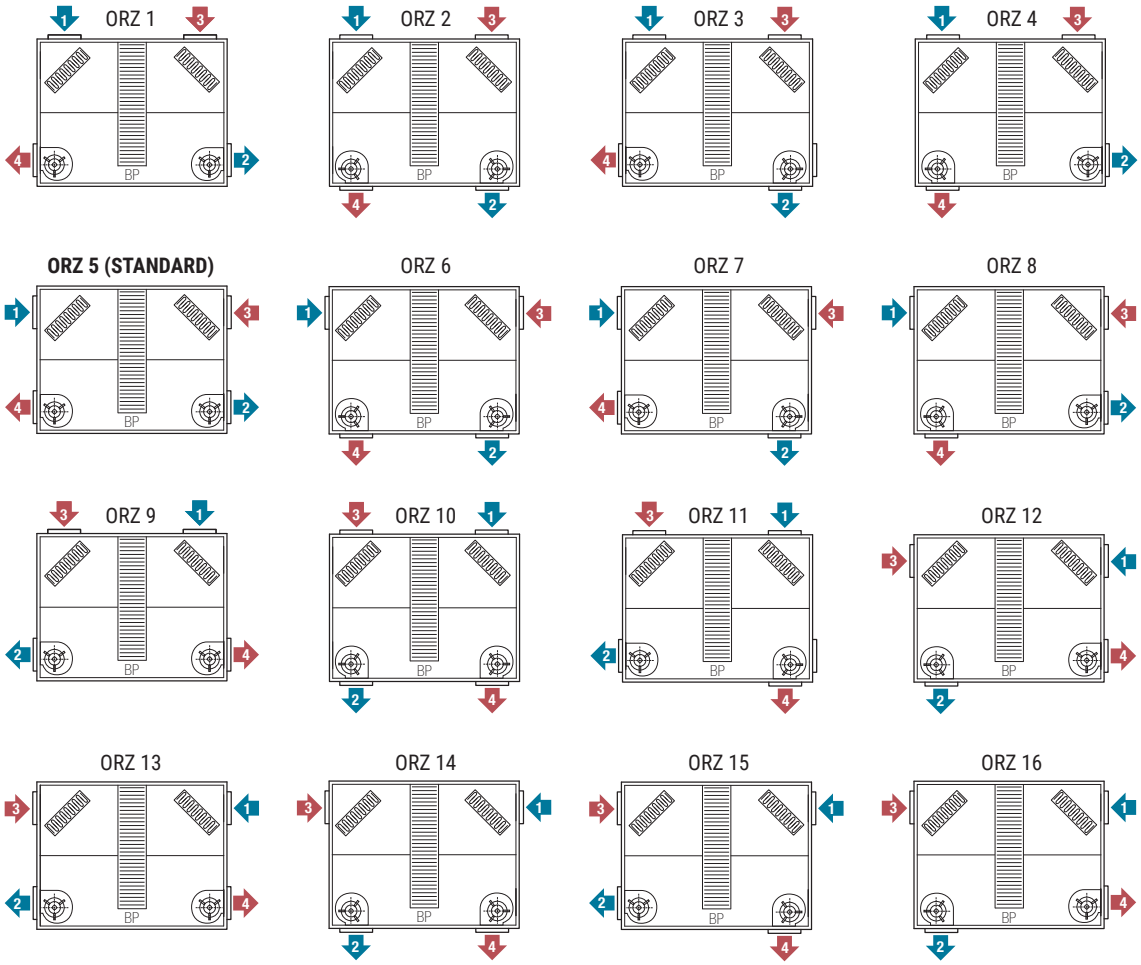
Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.



PROFESSIONAL

CONFIGURAZIONE | CONFIGURATION

ORIENTAMENTO VERSIONE ORIZZONTALE (vista superiore) | CONFIGURATIONS HORIZONTAL VERSION (top view)



Leggenda | Legend
1 = **aria esterna** | fresh air
2 = **mandata** | supply
3 = **ripresa** | return
4 = **espulsione** | exhaust air

PREZZI | PRICES

Modello | Model		€
BRK900BM *	(1)	3.485,00
BRK1600BM *	(1)	4.280,00
BRK2400BM *	(1)	4.985,00
BRK900BA **	(1)	3.885,00
BKR1600BA **	(1)	4.680,00
BRK2400BA **	(1)	5.390,00
BRK900BAR **	(2)	3.885,00
BKR1600BAR **	(2)	4.680,00
BRK2400BAR **	(2)	5.390,00

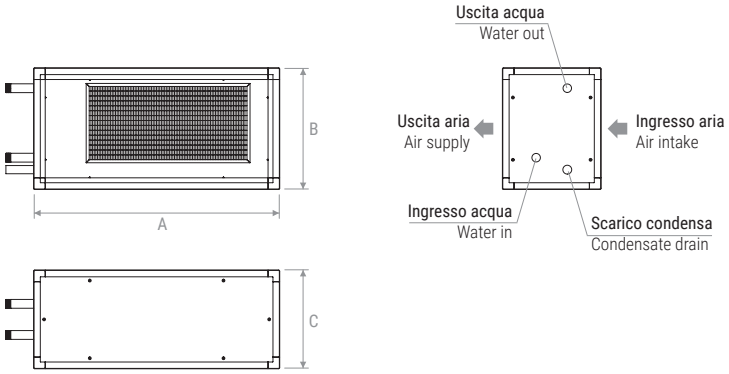
* **By-pass manuale** | Manual by-pass
** **By-pass automatico** | Automatic by-pass
(1) **Gestibile solo con REP** | Manageable only with REP
(2) **Gestibile con REP e con i controlli di pagina 378-379** | Manageable with REP and with controls page 378-379

ACCESSORI | ACCESSORIES

Modello | Model			€
REP		**Regolatore velocità** | Speed control **Consigliati 2 regolatori di velocità per unità** | Racommended 2 speed controls for unit	84,26
SMFBRUC1000		**Kit staffe per installazione a soffitto** | Kit brackets fot ceiling mounting	179,52

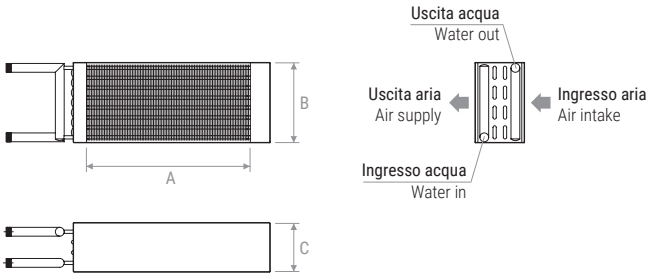
PROFESSIONAL

GRUPPO POST TRATTAMENTO ESTIVO | SUMMER COOLING GROUP



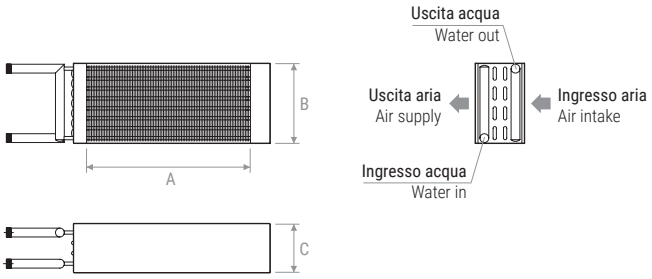
Aria ingresso: 29,5°C - 65% U.R. / Acqua ingresso: 7°C / Acqua uscita: 12°C Air inlet: 29,5°C - 65% U.R. / Water in: 7°C / Water out: 12°C								Dimensioni | Dimensions			
Modello | Model	Temperatura aria uscita Exit air temperature	U.R. aria uscita Exit air relative humidity	Potenzialità Capacity	Portata acqua Water flow	Perdita carico lato aria Air pressure drop	Perdita carico lato acqua Pressure drop water side	Diametro attacchi Diameter water connections	Base gruppo Base group	Altezza gruppo Height group	Spessore gruppo Thickness group	
	°C	%	Kw	mc/h	pa	kpa	pollici | inches	A mm	B mm	C mm	€
BAFREC1000	16	96	9,21	1,6	73	12,3	3/4	750	370	300	1.204,02
BAFREC1500	16	96	14	2,4	66	10,6	3/4	900	430	300	1.325,20
BAFREC2500	16	93	23,6	4,1	67	24,7	1	1150	490	300	1.827,54

BATTERIA POST-RISCALDAMENTO ALTA TEMPERATURA | POST- HEATING HIGH TEMPERATURE COIL



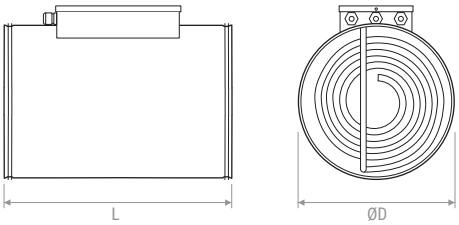
Aria ingresso: 8°C / Acqua ingresso: 70°C / Acqua uscita: 60°C Air inlet: 8°C / Water in: 70°C / Water out: 60°C									Dimensioni | Dimensions		
Modello | Model	Temperatura aria uscita Exit air temperature	Potenzialità Capacity	Portata acqua Water flow	Perdita carico lato aria Air pressure drop	Perdita carico lato acqua Pressure drop water side	Diametro attacchi Diameter water connections	Base passaggio aria Base air passage	Altezza passaggio aria Height air passage	Spessore Thickness air passage	
	°C	Kw	mc/h	pa	kpa	pollici | inches	A mm	B mm	C mm	€
BRATREC1000	25	5,92	0,5	24	4,3	1/2	400	240	90	531,02
BRATREC1500	25	8,89	0,8	22	12,8	1/2	500	300	90	579,48
BRATREC2500	25	14,8	1,3	22	6	3/4	700	360	100	670,86

BATTERIA POST-RISCALDAMENTO BASSA TEMPERATURA | POST-HEATING LOW TEMPERATURE COIL



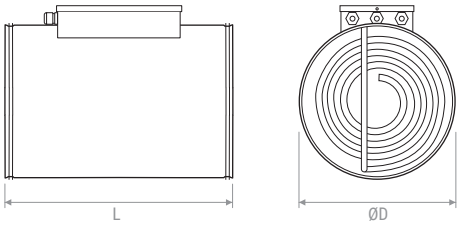
Aria ingresso: 8°C / Acqua ingresso: 45°C / Acqua uscita: 40°C Air inlet: 8°C / Water in: 45°C / Water out: 40°C						Dimensioni | Dimensions			
Modello | Model	Temperatura aria uscita Exit air temperature	Potenzialità Capacity	Portata acqua Water flow	Perdita carico lato aria Air pressure drop	Perdita carico lato acqua Pressure drop water side	Diametro attacchi Diameter water connection	Base passaggio aria Base air passage	Altezza passaggio aria Height air passage	Spessore Thickness air passage	
	°C	Kw	mc/h	pa	kpa	pollici | inches	A mm	B mm	C mm	€
BRBTREC1000	30	7,67	1,3	34	7,9	3/4	500	240	150	670,86
BRBTREC1500	30	11,5	2	30	6,4	3/4	650	300	150	784,38
BRBTREC2500	30	19,2	3,3	30	11,5	1	900	360	160	1.004,70

BATTERIA ELETTRICA TRIFASE | ELECTRICAL COIL 400 VOLT



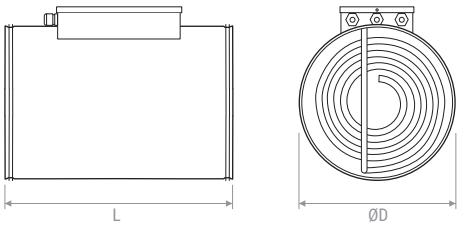
Aria ingresso: 8°C / Alimentazione: 400 Volt - 50 Hz Air inlet: 8°C / Electrical data: 400 Volt - 50 Hz				Dimensioni | Dimensions		
Modello | Model	Temperatura aria uscita Exit air temperature	Potenzialità Capacity	Stadi Levels	Ø D Diametro Diameter	L Lunghezza Lenght	
	°C	Kw	NR.	mm	mm	€
BETREC1000	20	4,5	3	250	370	413,10
BETREC1500	20	6,6	3	355	373	510,00
BETREC2500	20	10,5	3	355	373	773,38

BATTERIA ELETTRICA MONOFASE | ELECTRICAL COIL 230 VOLT



Aria ingresso: 8°C / Alimentazione: 230 Volt - 50 Hz Air inlet: 8°C / Electrical data: 230 Volt - 50 Hz				Dimensioni | Dimensions		
Modello | Model	Temperatura aria uscita Exit air temperature	Potenzialità Capacity	Stadi Levels	Ø D Diametro Diameter	L Lunghezza Lenght	
	°C	Kw	NR.	mm	mm	€
BEMREC1000	20	4,2	3	250	370	353,64
BEMREC1500	20	6,3	3	355	373	526,54
BEMREC2500	20	10,6	3	355	373	666,48

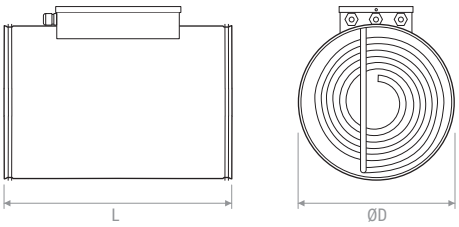
BATTERIA ELETTRICA TRIFASE AUTOREGOLANTE | ELECTRICAL COIL 400 VOLT SELF-REGULATING



Aria ingresso: 8°C / Alimentazione: 400 Volt - 50 Hz Air inlet: 8°C / Electrical data: 400 Volt - 50 Hz		Dimensioni | Dimensions		
Modello | Model	Potenzialità Capacity	Ø D Diametro Diameter	L Lunghezza Lenght	
	Kw	mm	mm	€
BETREC025006000AR	6	250	370	912,90
BETREC035509000AR	9	355	373	1.138,32
BETREC035512000AR	12	355	373	1.298,46

Adatte solo per funzionamento come batterie di pre-riscaldamento | Suitable only for pre-heating battery operating

BATTERIA ELETTRICA MONOFASE AUTOREGOLANTE | ELECTRICAL COIL 230 VOLT SELF-REGULATING



Aria ingresso: 8°C / Alimentazione: 230 Volt - 50 Hz Air inlet: 8°C / Electrical data: 230 Volt - 50 Hz		Dimensioni | Dimensions		
Modello | Model	Potenzialità Capacity	Ø D Diametro Diameter	L Lunghezza Lenght	
	Kw	mm	mm	€
BEMREC025004200AR	4,2	250	370	864,96
BEMREC025006000AR	6	250	370	912,90

Adatte solo per funzionamento come batterie di pre-riscaldamento | Suitable only for pre-heating battery operating

FILTRI ALTA EFFICIENZA | HIGH EFFICIENCY FILTERS

Modello | Model	Efficienza | Efficiency	€
GFTBRK900	F7 ISO e PM1 > 65 %	101,75
GFTBRK1600	F7 ISO e PM1 > 65 %	110,04
GFTBRK2400	F7 ISO e PM1 > 65 %	132,72

Installabili nell'unità al posto dei filtri G4 di serie. Prezzo al pezzo
Installable inside the unit instead of G4 series filters. Price for pieces

SET FILTRI G4 | G4 SET FILTER

Modello | Model	Efficienza | Efficiency	€
FABRK900	G4 ISO COARSE > 65 %	38,56
FABRK1600	G4 ISO COARSE > 65 %	39,68
FABRK2400	G4 ISO COARSE > 65 %	50,70

Prezzo per set di 2 filtri | Price for set of 2 filters

SISTEMA DI REGOLAZIONE BASE | BASIC CONTROL SYSTEM

	 **CTRDSPRF**	 **CTRTSMART**
Controllo velocità | Speed control	•	•
Contollo by-pass | By-pass control	•	•
Intasamento filtri | Clogging filter	•	•
Comunicazione MODBUS 485 | MODBUS485 communication	•	•
Impostazione velocità | Speed setting	•	•
ON/OFF	•	•
Allarmi puntuali | Specific allarms	•	•
Programmazione giornaliera / settimanale | Daily / weekly programming timer	•	•
Controllo velocità ventilatori da sonda CO_2 posta a display Fan control speed from CO_2 probe installed on display		•
Controllo velocità ventilatori da sonda umidità posta a display Control fan speed from humidity probe installed on display		•
Connessione wi-fi network | Connection to wi-fi network		•

Le protezioni elettriche per i componenti di potenza posti all'interno delle unità sono a carico dell'installatore secondo le leggi dei singoli paesi.
Electrical protections for power components inside the units are the responsibility of the installer according to the laws of the each countries.

SISTEMA DI REGOLAZIONE AVANZATI | ADVANCED CONTROL SYSTEM

CTRBTRI (sistema controllo batteria idronica) | (hydronic coil control system)
- **Controllo temperatura a punto fisso in mandata** | Fixed point temperature control in supply
- **Selezione stagione** | Season selection

CTRBTRE (sistema controllo batteria elettrica) | (electric battery control system)
- **Controllo temperatura a punto fisso in mandata** | Fixed point temperature control in supply
- **Segnale attivazione batteria** | coil activation signal

CTRRH (sistema controllo in funzione della U.R.) **con sonda interna unità** | (control system in function of R.H.) with probe internal unit
- **Controllo velocità ventilatori da R.H. solo per CTRDSPRF** | Control fan speed by R.H. only for CTRDSPRF

CTRCO2 (sistema controllo in funzione della CO^2) **con sonda posta in ambiente** | (control system in function of CO^2) with probe installed in the room
- **Controllo velocità ventilatori da CO_2 solo per CTRDSPRF** | Control fan speed by CO_2 only for CTRDSPRF

CTRBTRI e CTRBRE non possono essere gestiti in contemporanea | CTRBTRI and CTRBRE cannot be managed simultaneously
CTRRH e CTRCO2 non possono essere gestiti in contemporanea | CTRRH and CTRCO2 cannot be managed simultaneously

COMPOSIZIONE SISTEMI DI REGOLAZIONE | CONTROL SYSTEMS COMPOSITION

Modello | Model	Elenco componenti | List of components	€
CTRDSPRF	**Scheda elettronica** | PCB **Sonde temperatura interne** | Internal temperature probes **Cablaggio e collaudo sistema** | Wiring and system commissioning **Pannello di comando remoto wireless** | Wireless remote control panel	662,10
CTRTSMART	**Scheda elettronica** | PCB **Sonde temperatura interne** | Internal temperature probes **Cablaggio e collaudo sistema** | Wiring and system commissioning **Pannello di comando remoto wireless touch screen** Wireless remote control panel touch screen	995,90

Modello | Model		Elenco componenti | List of components	€
CTRBTRI		**Valvola a 3 vie** | 3-way valve **Servomotore controllo valvola** | Valve control servomotor **Sonda temperatura da canale** | Duct temperature probe **Cablaggio e collaudo sistema** | Wiring and system commissioning	465,00
CTRBTRE		**Modulo segnale controllo Q.E. potenza batteria elettrica** Control signal module Q.E. battery power electric **Sonda temperatura da canale** | Duct temperature probe **Cablaggio e collaudo sistema** | Wiring and system commissioning	111,30
CTRRH		**Modulo controllo U.R.** | Control module R.H. **Sonda U.R. interna unità** | Internal R.H.. probe unit **Cablaggio e collaudo sistema** | Wiring and system commissioning	66,80
CTRCO2		**Modulo controllo CO_2** | Control module CO_2 **Modulo rilevazione CO_2 ambiental wireless** Wireless ambient CO_2 detection module **Cablaggio e collaudo sistema** | Wiring and system commissioning	408,20

CTRBTRE per funzionare deve essere accoppiato ad un quadro di potenza (vedi sotto BRUCQE) che può anche essere eseguito dall'installatore elettrico su schema Brofer.
To function CTRBTRE must be coupled to a power panel (see below BRUCQE) which can also be made by the electrical installer on the Brofer scheme

QUADRO ELETTRICO POTENZA BATTERIE ELETTRICA | POWER ELECTRIC BOX ELECTRIC BATTERY

Modello | Model	Kw	€
BRUCQE45	4,5	544,68
BRUCQE66	6,6	657,90
BRUCQE105	10,5	953,70
BRUCQE150	15	1.066,92

BRUC

Scheda tecnica
Data sheet

Listino
Price list

UNITÀ DI RECUPERO CALORE DI TIPO COMMERCIALE AD ALTISSIMA EFFICIENZA BY-PASS AUTOMATICO INCLUSO

Recuperatore di calore: in controcorrente interamente realizzato in alluminio. In corrispondenza dello stesso è prevista una vasca per il drenaggio della condensa.

Struttura: il telaio portante è realizzato con profili di alluminio e pannellatura sandwich afonica. Le unità sono provviste di pannelli asportabili per accedere all'interno ed effettuare le operazioni di manutenzione ordinaria e straordinaria.

Ventilatori: del tipo centrifugo a doppia aspirazione con motore elettrico direttamente accoppiato. I motori sono a 3 velocità mentre le giranti sono bilanciate sia staticamente che dinamicamente per ridurre al minimo le vibrazioni ed il rumore.

Filtri: le unità sono provviste di serie con celle filtranti ondulate in fibra sintetica classe G4, telaio in acciaio zincato e reti di protezione in filo di acciaio zincato elettrosaldato.

COMMERCIAL HEAT RECOVERY UNIT WITH VERY HIGH EFICIENCY AUTOMATIC BY-PASS INCLUDED

Heat recovery: the recuperator is the counterflow type all-aluminium. On the same is installed a condensate drain basin.

Structure: the frame is made of aluminium and galvanized steel sandwich sound proof panels. The units are equipped with removable panels for access to the interior and make routine and extraordinary maintenance.

Fans: centrifugal double suction with an electric motor directly couple. The motors are 3 speed while the wheels are both statically and dynamically balanced to minimize vibration and noise.

Filters: the units are equipped with standard filter cells wavy synthetic fiber efficiency G4, galvanized steel frame and safety nets in electro galvanized steel wire.

	BRUC 1000	BRUC 1500	BRUC 2000	BRUC 2500	BRUC 3500
Portata aria (mc/h) | Nominal air flow (mc/h)	1000	1500	2000	2500	3500
Pressione statica utile (pa) | Useful static pressure (pa)	170	200	180	240	150
VENTILATORE DIRETTAMENTE ACCOPPIATO (dati per singolo ventilatore) | FANS (data for eac fan)					
Potenza nominale (w) | Installed power (W)	373	373	373	550	750
Poli (nr) | Poles (nr)	4	4	4	4	4
Giri (1/min) | Round (1/min)	1130	1130	1130	1400	1400
I nominale (A) | Current (A)	2,75	2,75	2,75	4,0	7,8
Tensione (V) | Rated voltage (V)	230	230	230	230	230
Frequenza (Hz) | Frequency (HZ)	50	50	50	50	50
Velocità (nr) | Speeds (nr)	3	3	3	3	3
FILTRI | FILTERS					
Acrilici ondulati efficienza | Corrugated acrylic efficiency	G4 ISO COARSE > 65 %				

Con temperature esterne < -3°C necessario preriscaldamento | With fresh air temperature < -3°C it is necessary pre-heating

DATI ECODESIGN | ECODESIGN DATA SHEET

Modello Model	Efficienza Efficiency	Portata aria nominale Nominal air flow	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/m³/s	w/m³/s	m/s	%	%	%
BRUC1000	81,6	1000	170	1430,3	1496,3	1,56	28,8	7,3	5,5
BRUC1500	81,3	1500	200	1253,7	1466,5	1,54	35,9	6,8	4,6
BRUC2000	81,3	2000	180	1286,4	1445,6	1,59	33,9	5,9	4,1
BRUC2500	81,5	2500	240	1244,2	1430,8	1,56	34,1	5,7	3,7
BRUC3500	80,6	3500	150	1200,5	1362,1	1,58	32,3	5,3	3,2

LIVELLO LW DI POTENZA SONORA IRRAGGIATO DAL CASING
SOUND POWER LW RADIATED FROM THE CASING SHEET

Dati misurati alla massima velocità | Data measured at maximum speed
Frequenza | Frequency (Hz)

	125	250	500	1000	2000	4000	8000	LwdB(A)
BRUC1000	59	61,2	55,4	52,3	42,6	37,3	39,8	57,6
BRUC1500	64,1	69,5	61,4	51,1	44,6	39,1	37,8	63,3
BRUC2000	63,8	72,2	64,5	56,1	48	41,3	40,8	66,2
BRUC2500	71,3	75	67,8	57,5	51,2	42,6	43,2	69,2
BRUC3500	72,2	77,1	69,1	60,2	54,4	44,2	45,1	70,9

LIVELLO LW DI POTENZA SONORA IRRAGGIATO DAL VENTILATORE
SOUND POWER LW RADIATED FROM THE FAN

Dati misurati alla massima velocità | Data measured at maximum speed
Frequenza | Frequency (Hz)

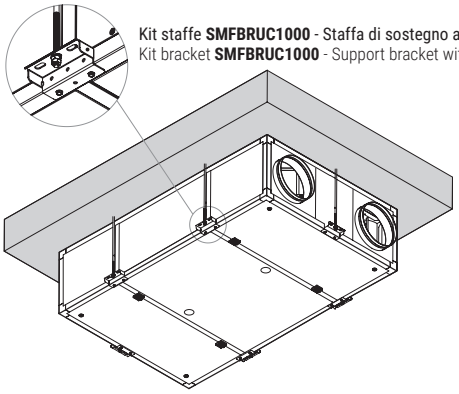
	125	250	500	1000	2000	4000	8000	LwdB(A)
BRUC1000	60,2	69	62,7	56,6	57,9	52,4	61,3	66,6
BRUC1500	68,2	79,1	73,7	67,3	65,2	59,4	64,8	75,5
BRUC2000	71,3	81,6	76,5	76,1	71	65,8	73,9	80,9
BRUC2500	73,2	79	76,9	75,4	70,6	69	73,5	80,5
BRUC3500	74,7	80,6	79	77,3	72,4	70,8	75,1	81,9

DISEGNI | DRAWINGS

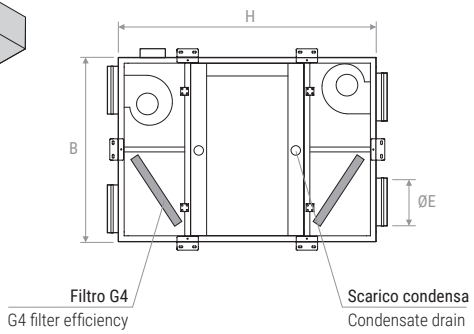
BRUC1000

INSTALLAZIONE ORIZZONTALE | HORIZONTAL INSTALLATION

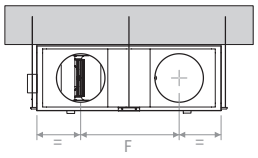
PESO | WEIGHT: **160 kg**



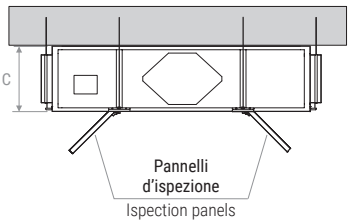
Vista dal basso | Bottom view



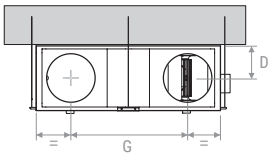
Vista frontale | Front view



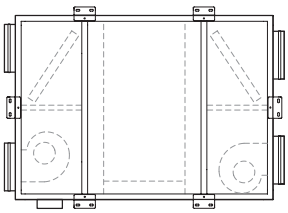
Vista laterale | Side view



Vista posteriore | Rear view



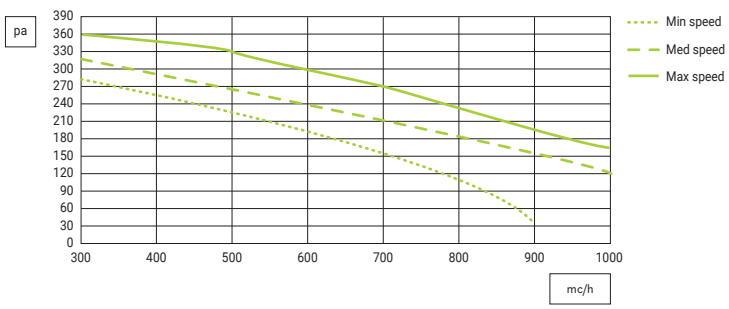
Vista dall'alto | Top view



	H	B	C	D	ØE	F	G
mm	1800	1000	430	175	250	485	485

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS

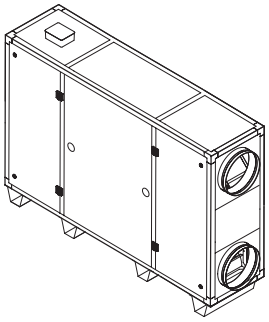
Pressione statica utile
Useful static pressure



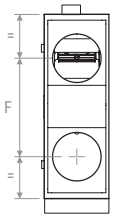
DISEGNI | DRAWINGS

BRUC1000

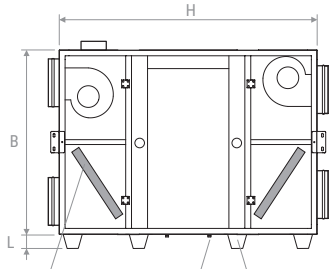
INSTALLAZIONE VERTICALE | VERTICAL INSTALLATION



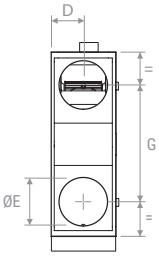
Vista laterale destra
Right side view



Lato ispezione
Inspection side



Vista laterale sinistra
Left side view

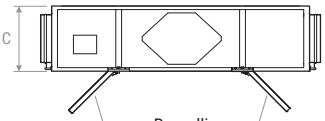


Filtro G4
G4 filter efficiency

Scarico condensa
Condensate drain

Kit punti di appoggio **MSPBRUC1000**
Kit support points **MSPBRUC1000**

Vista superiore | Upper view



Pannelli d'ispezione
Ispection panels

	H	B	C	D	ØE	F	G	L
mm	1800	1000	430	175	250	485	485	100

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.

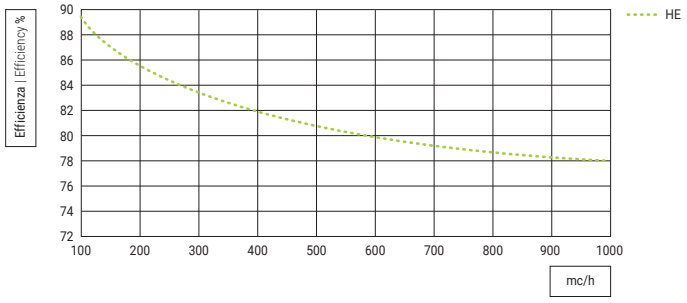
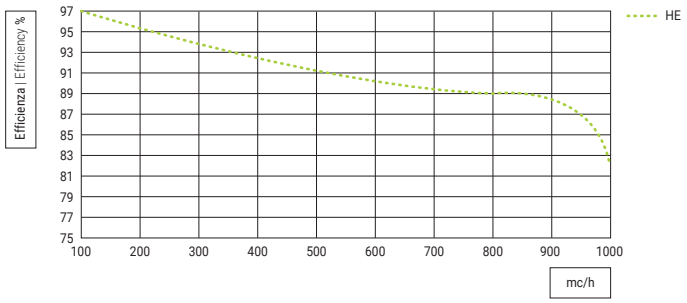


Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.



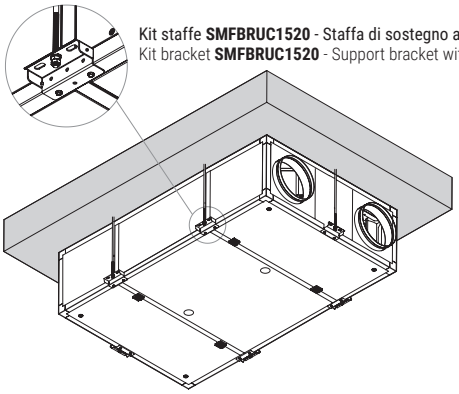
PROFESSIONAL

DISEGNI | DRAWINGS

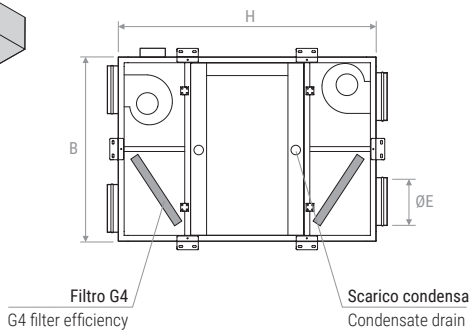
BRUC1500

INSTALLAZIONE ORIZZONTALE | HORIZONTAL INSTALLATION

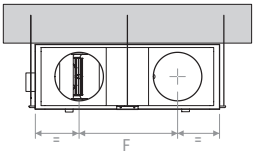
PESO | WEIGHT: **185 kg**



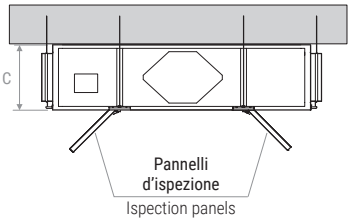
Vista dal basso | Bottom view



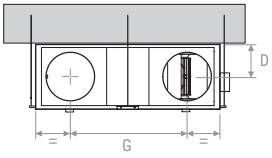
Vista frontale | Front view



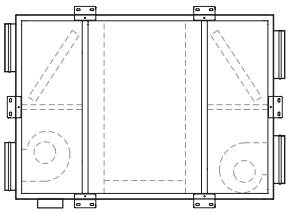
Vista laterale | Side view



Vista posteriore | Rear view



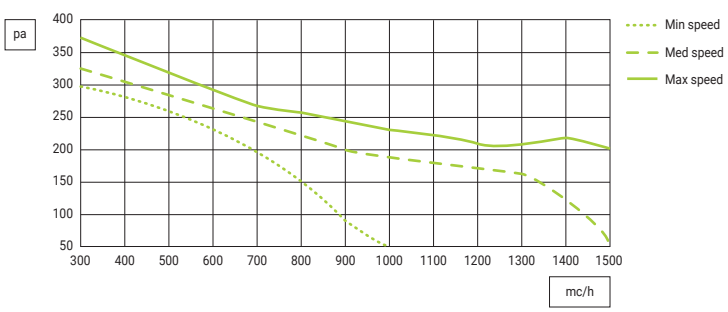
Vista dall'alto | Top view



	H	B	C	D	ØE	F	G
mm	2000	1100	510	255	355	498	622

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS

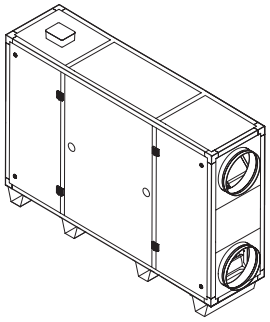
Pressione statica utile
Useful static pressure



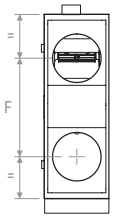
DISEGNI | DRAWINGS

BRUC1500

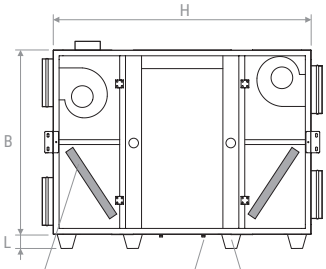
INSTALLAZIONE VERTICALE | VERTICAL INSTALLATION



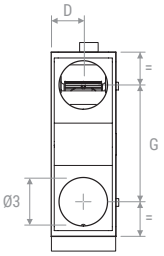
Vista laterale destra
Right side view



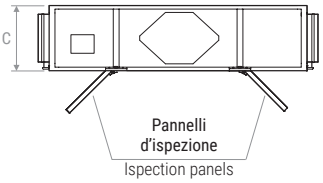
Lato ispezione
Inspection side



Vista laterale sinistra
Left side view



Vista superiore | Upper view



	H	B	C	D	ØE	F	G	L
mm	2000	1100	510	255	355	498	622	100

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.

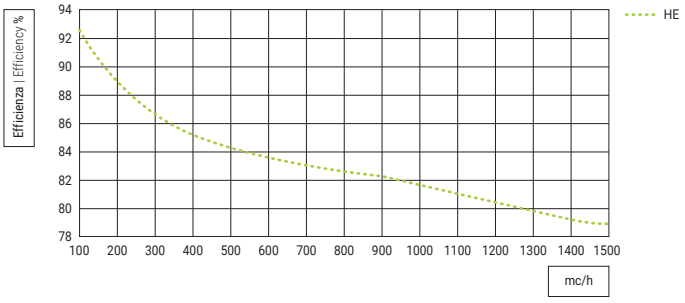
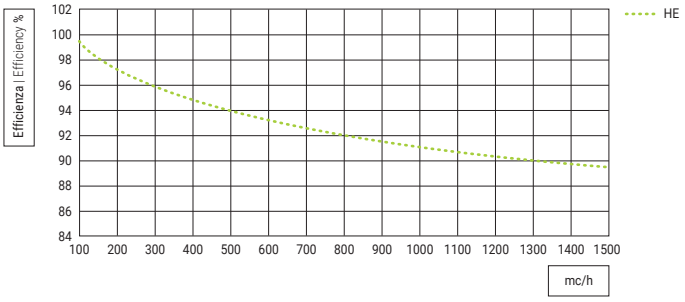


Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.



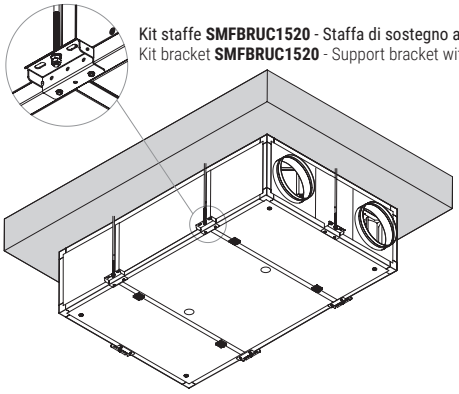
PROFESSIONAL

DISEGNI | DRAWINGS

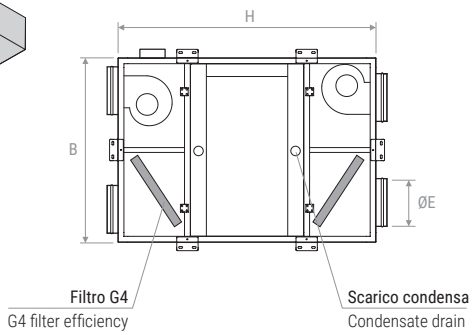
BRUC2000

INSTALLAZIONE ORIZZONTALE | HORIZONTAL INSTALLATION

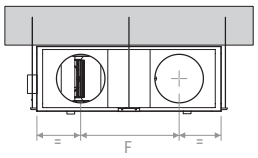
PESO | WEIGHT: **230 kg**



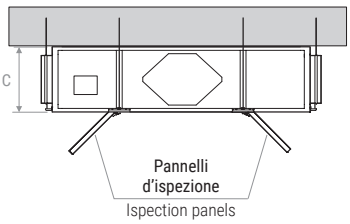
Vista dal basso | Bottom view



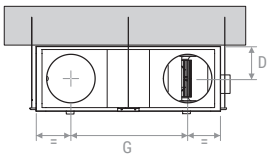
Vista frontale | Front view



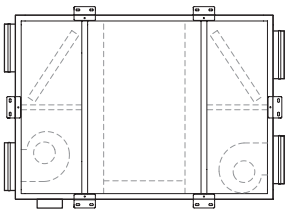
Vista laterale | Side view



Vista posteriore | Rear view



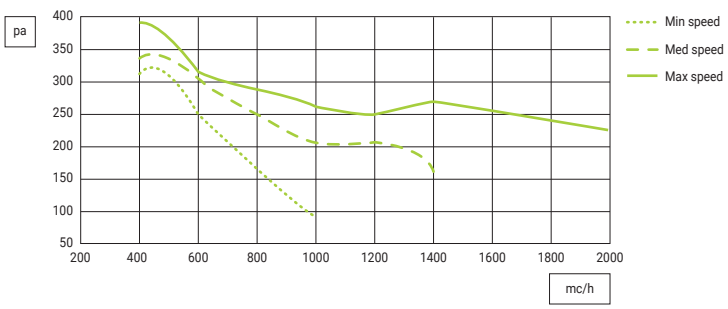
Vista dall'alto | Top view



	H	B	C	D	ØE	F	G
mm	2000	1400	510	255	355	798	922

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS

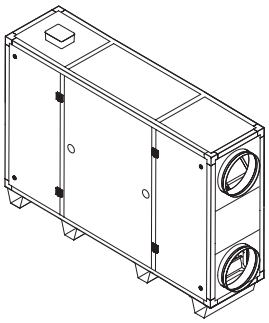
Pressione statica utile
Useful static pressure

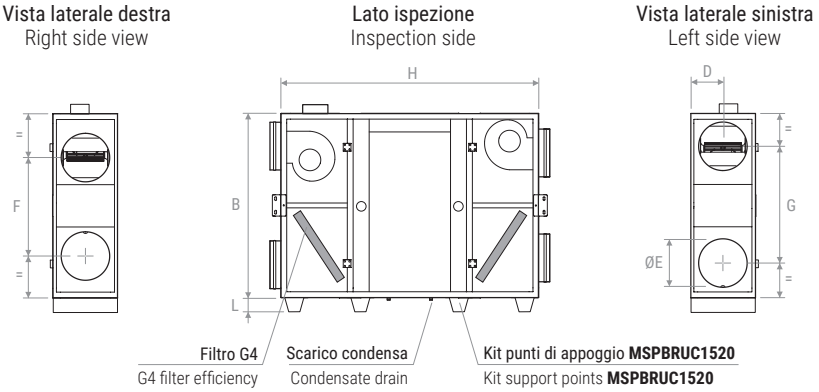


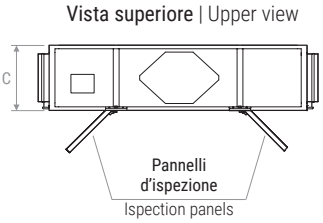
DISEGNI | DRAWINGS

BRUC2000

INSTALLAZIONE VERTICALE | VERTICAL INSTALLATION







	H	B	C	D	ØE	F	G	L
mm	2000	1400	510	255	355	798	922	100

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.

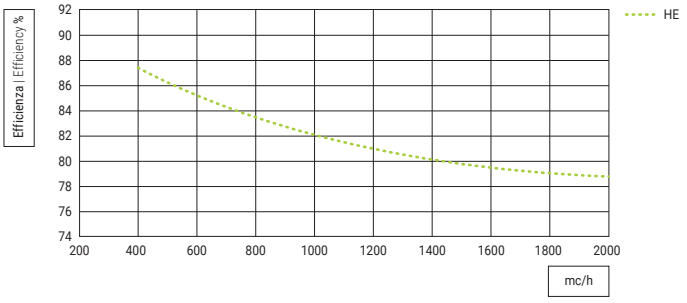
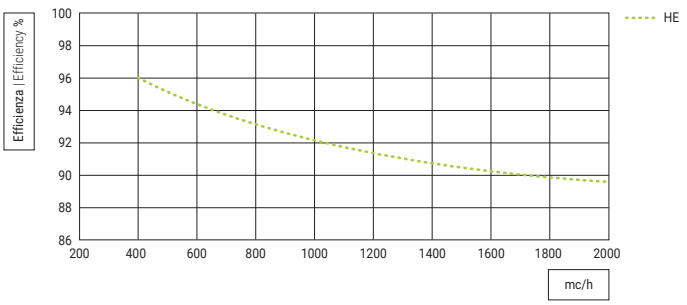


Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.



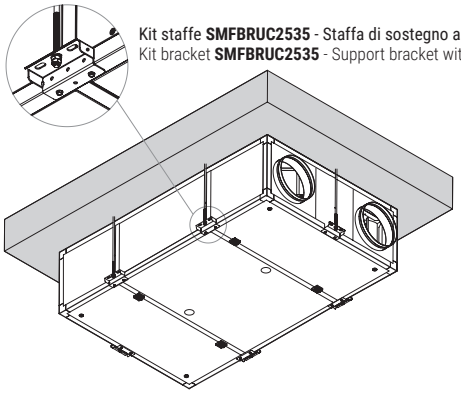
PROFESSIONAL

DISEGNI | DRAWINGS

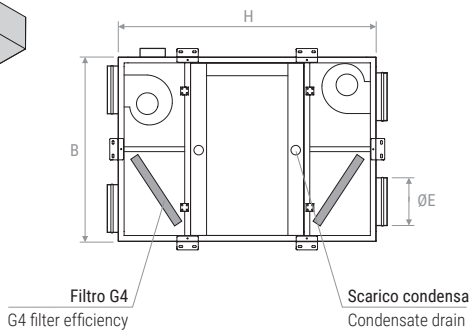
BRUC2500

INSTALLAZIONE ORIZZONTALE | HORIZONTAL INSTALLATION

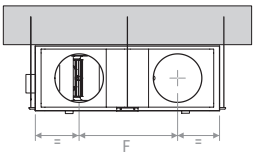
PESO | WEIGHT: **310 kg**



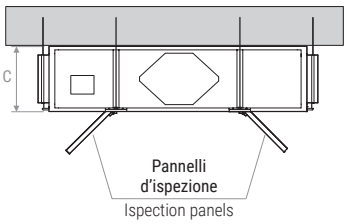
Vista dal basso | Bottom view



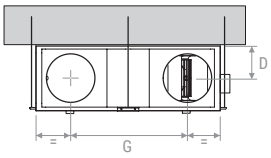
Vista frontale | Front view



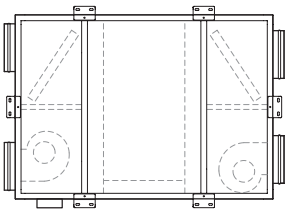
Vista laterale | Side view



Vista posteriore | Rear view



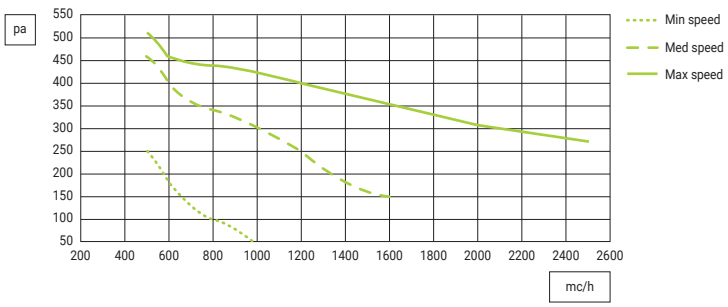
Vista dall'alto | Top view



	H	B	C	D	ØE	F	G
mm	2250	1400	650	365	355	860	860

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS

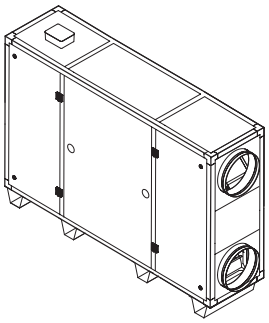
Pressione statica utile
Useful static pressure



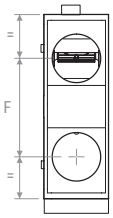
DISEGNI | DRAWINGS

BRUC2500

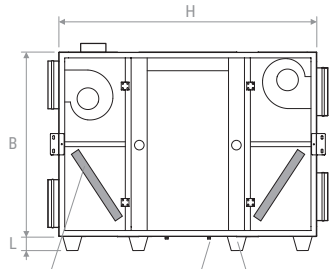
INSTALLAZIONE VERTICALE | VERTICAL INSTALLATION



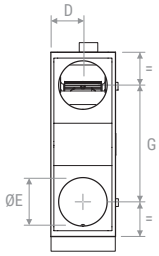
Vista laterale destra
Right side view



Lato ispezione
Inspection side



Vista laterale sinistra
Left side view

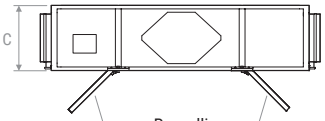


Filtro G4
G4 filter efficiency

Scarico condensa
Condensate drain

Kit punti di appoggio **MSPBRUC2535**
Kit support points **MSPBRUC2535**

Vista superiore | Upper view



Pannelli d'ispezione
Ispection panels

	H	B	C	D	ØE	F	G	L
mm	2250	1400	650	365	355	860	860	100

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.

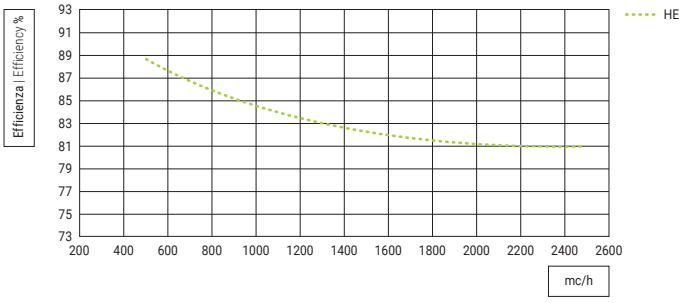
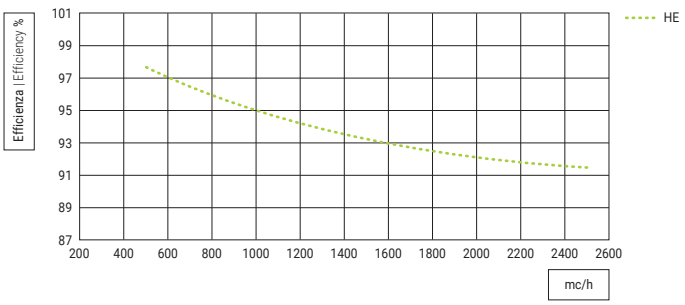


Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.



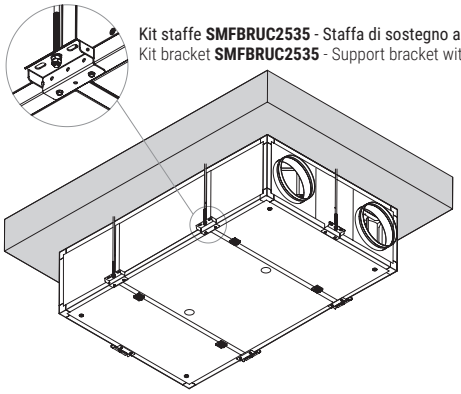
PROFESSIONAL

DISEGNI | DRAWINGS

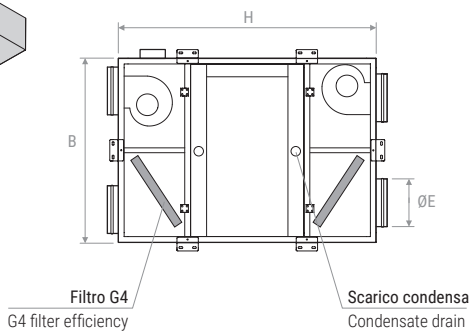
BRUC3500

INSTALLAZIONE ORIZZONTALE | HORIZONTAL INSTALLATION

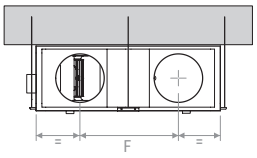
PESO | WEIGHT: **350 kg**



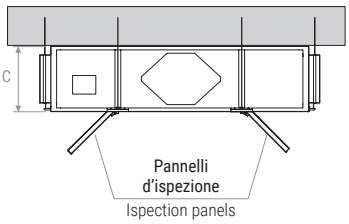
Vista dal basso | Bottom view



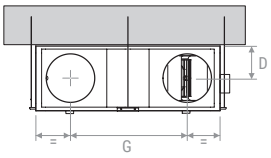
Vista frontale | Front view



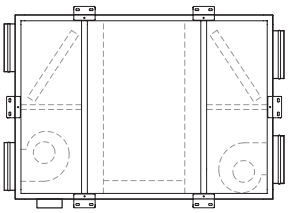
Vista laterale | Side view



Vista posteriore | Rear view



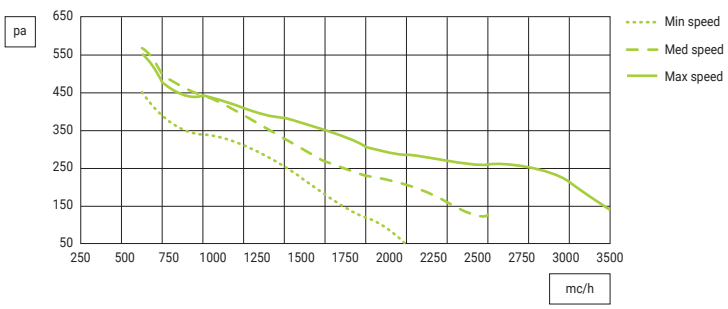
Vista dall'alto | Top view



	H	B	C	D	E	F	G
mm	2500	1650	650	365	400	985	985

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS

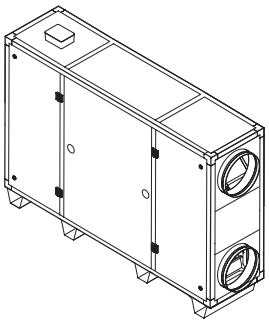
Pressione statica utile
Useful static pressure



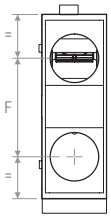
DISEGNI | DRAWINGS

BRUC3500

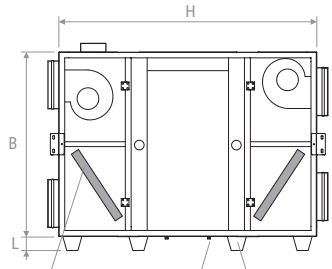
INSTALLAZIONE VERTICALE | VERTICAL INSTALLATION



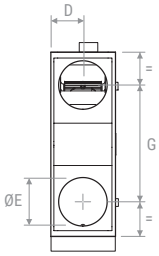
Vista laterale destra
Right side view



Lato ispezione
Inspection side



Vista laterale sinistra
Left side view

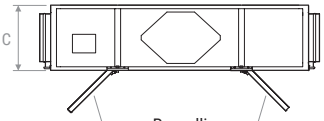


Filtro G4
G4 filter efficiency

Scarico condensa
Condensate drain

Kit punti di appoggio **MSPBRUC2535**
Kit support points **MSPBRUC2535**

Vista superiore | Upper view



Pannelli d'ispezione
Ispection panels

	H	B	C	D	ØE	F	G	L
mm	2500	1650	650	365	400	985	985	100

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.

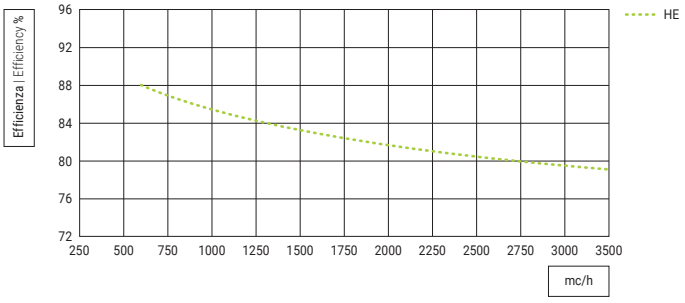
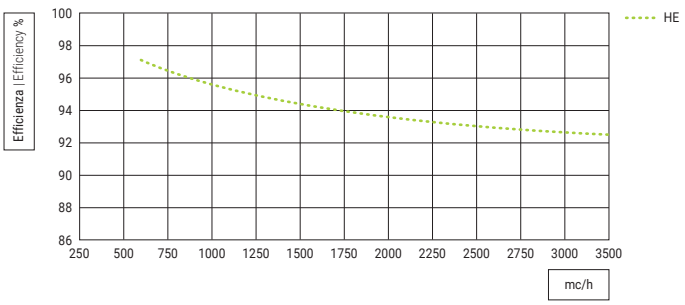


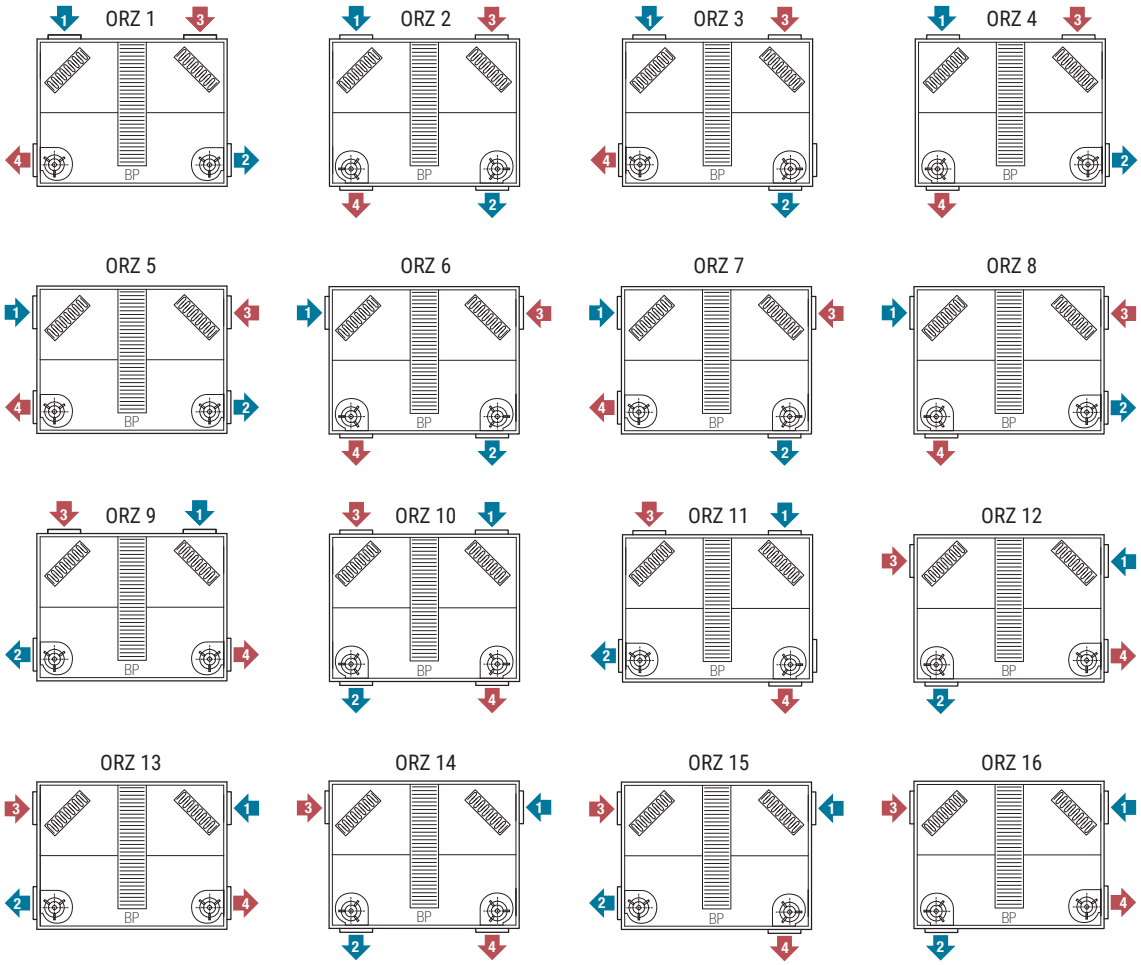
Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.



PROFESSIONAL

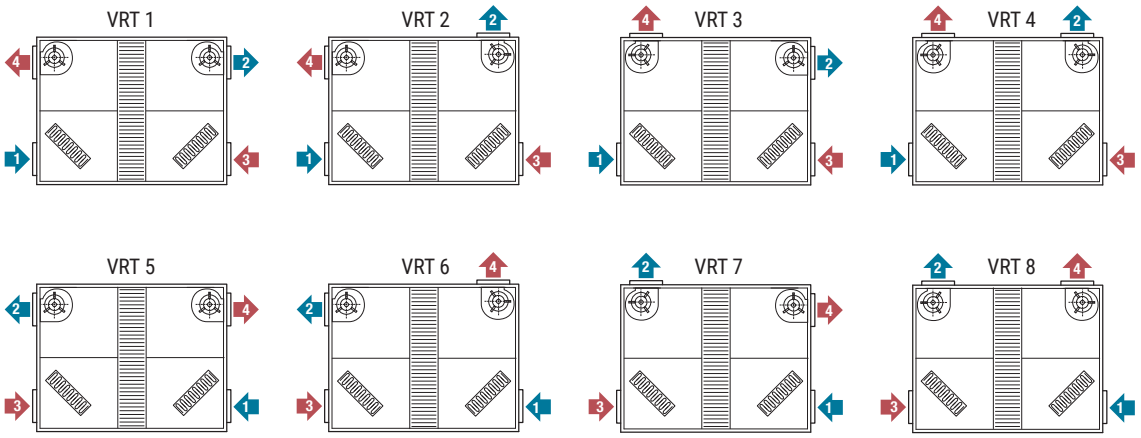
CONFIGURAZIONE | CONFIGURATION

ORIENTAMENTO VERSIONE ORIZZONTALE (vista superiore) | CONFIGURATIONS HORIZONTAL VERSION (top view)



ORZ 5 = STANDARD

ORIENTAMENTO VERSIONE VERTICALE (vista frontale lato ispezione) | CONFIGURATIONS VERTICAL VERSION (front view inspection side)



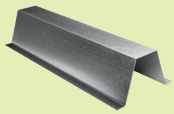
Leggenda | Legend
1 = aria esterna | fresh air
2 = mandata | supply
3 = ripresa | return
4 = espulsione | exhaust air

PREZZI | PRICES

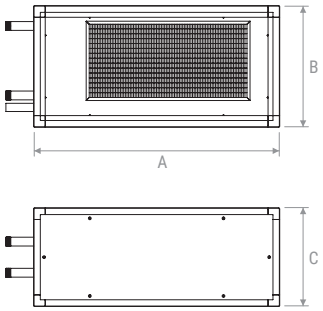
Modello | Model	€
BRUC1000	4.337,04
BRUC1500	5.203,94
BRUC2000	5.699,66
BRUC2500	6.938,96
BRUC3500	8.797,40

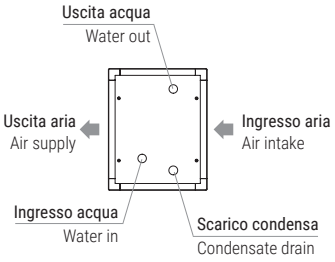
Versione da esterno BRUCOE e BRUCVE prezzi a richiesta
Outdoor version BRUCOE and BRUCVE prices on request

ACCESSORI | ACCESSORIES

Modello | Model			€
R3V		Regolatore velocità | Speed control Consigliati 2 regolatori di velocità per unità Racommended 2 speed controls for unit	58,86
SMFBRUC1000 **SMFBRUC1520** **SMFBRUC2535**		Kit staffe per installazione a soffitto | Kit brackets fot ceiling mounting	179,52
MSPBRUC1000 **MSPBRUC1520** **MSPBRUC2535**		Kit punti di appoggio per installazione verticale Kit support points for vertical installation	129,96

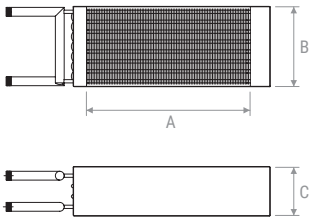
GRUPPO POST TRATTAMENTO ESTIVO | SUMMER COOLING GROUP

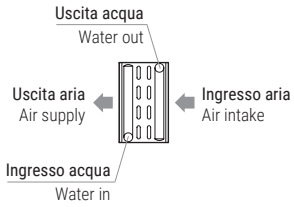




Aria ingresso: 29,5°C - 65% U.R. / Acqua ingresso: 7°C / Acqua uscita: 12°C Air inlet: 29,5°C - 65% U.R. / Water in: 7°C / Water out: 12°C							Dimensioni | Dimensions			
Modello | Model	Temperatura aria uscita Exit air temperature	U.R. aria uscita Exit air relative humidity	Potenzialità Capacity	Portata acqua Water flow	Perdita carico lato aria Air pressure drop	Perdita carico lato acqua Pressure drop water side	Diametro attacchi Diameter water connections	Base gruppo Base group	Altezza gruppo Height group	Spessore gruppo Thickness group	
	°C	%	Kw	mc/h	pa	kpa	pollici | inches	A mm	B mm	C mm	€
BAFREC1000	16	96	9,21	1,6	73	12,3	3/4	750	370	300	1.204,02
BAFREC1500	16	96	14	2,4	66	10,6	3/4	900	430	300	1.325,20
BAFREC2000	16	93	18,9	3,2	68	20,6	3/4	1100	430	300	1.510,32
BAFREC2500	16	93	23,6	4,1	67	24,7	1	1150	490	300	1.827,54
BAFREC3500	16	93	33,1	5,7	62	18,9	1	1400	610	300	2.171,28

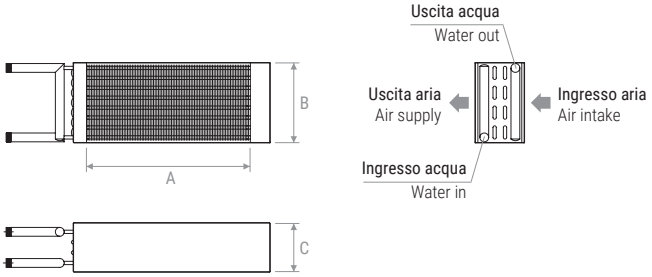
BATTERIA POST-RISCALDAMENTO ALTA TEMPERATURA | POST- HEATING HIGH TEMPERATURE COIL





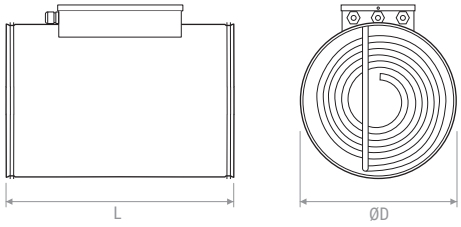
Aria ingresso: 8°C / Acqua ingresso: 70°C / Acqua uscita: 60°C Air inlet: 8°C / Water in: 70°C / Water out: 60°C						Dimensioni | Dimensions				
Modello | Model	Temperatura aria uscita Exit air temperature	Potenzialità Capacity	Portata acqua Water flow	Perdita carico lato aria Air pressure drop	Perdita carico lato acqua Pressure drop water side	Diametro attacchi Diameter water connections	Base passaggio aria Base air passage	Altezza passaggio aria Height air passage	Spessore Thickness air passage	
	°C	Kw	mc/h	pa	kpa	pollici | inches	A mm	B mm	C mm	€
BRATREC1000	25	5,92	0,5	24	4,3	1/2	400	240	90	531,02
BRATREC1500	25	8,89	0,8	22	12,8	1/2	500	300	90	579,48
BRATREC2000	25	11,8	1	26	23,6	1/2	600	300	90	600,38
BRATREC2500	25	14,8	1,3	22	6	3/4	700	360	100	670,86
BRATREC3500	25	20,7	1,8	20	16,7	3/4	800	480	100	773,38

BATTERIA POST-RISCALDAMENTO BASSA TEMPERATURA | POST-HEATING LOW TEMPERATURE COIL



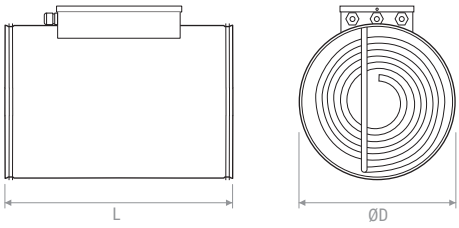
Aria ingresso: 8°C / Acqua ingresso: 45°C / Acqua uscita: 40°C Air inlet: 8°C / Water in: 45°C / Water out: 40°C						Dimensioni | Dimensions			
Modello | Model	Temperatura aria uscita Exit air temperature	Potenzialità Capacity	Portata acqua Water flow	Perdita carico lato aria Air pressure drop	Perdita carico lato acqua Pressure drop water side	Diametro attacchi Diameter water connection	Base passaggio aria Base air passage	Altezza passaggio aria Height air passage	Spessore Thickness air passage	
	°C	Kw	mc/h	pa	kpa	pollici | inches	A mm	B mm	C mm	€
BRBTREC1000	30	7,67	1,3	34	7,9	3/4	500	240	150	670,86
BRBTREC1500	30	11,5	2	30	6,4	3/4	650	300	150	784,38
BRBTREC2000	30	15,3	2,7	31	12,6	3/4	850	300	150	854,88
BRBTREC2500	30	19,2	3,3	30	11,5	1	900	360	160	1.004,70
BRBTREC3500	30	26,8	4,7	28	15,1	1	1000	480	160	1.234,92

BATTERIA ELETTRICA TRIFASE | ELECTRICAL COIL 400 VOLT



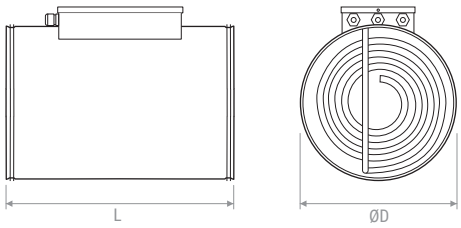
Aria ingresso: 8°C / Alimentazione: 400 Volt - 50 Hz Air inlet: 8°C / Electrical data: 400 Volt - 50 Hz				Dimensioni | Dimensions		
Modello | Model	Temperatura aria uscita Exit air temperature	Potenzialità Capacity	Stadi Levels	Ø D Diametro Diameter	L Lunghezza Lenght	
	°C	Kw	NR.	mm	mm	€
BETREC1000	20	4,5	3	250	370	413,10
BETREC1500	20	6,6	3	355	373	510,00
BETREC2000	20	8,4	3	355	373	645,56
BETREC2500	20	10,5	3	355	373	773,38
BETREC3500	20	15	3	400	630	821,82

BATTERIA ELETTRICA MONOFASE | ELECTRICAL COIL 230 VOLT



Aria ingresso: 8°C / Alimentazione: 230 Volt - 50 Hz Air inlet: 8°C / Electrical data: 230 Volt - 50 Hz				Dimensioni | Dimensions		
Modello | Model	Temperatura aria uscita Exit air temperature	Potenzialità Capacity	Stadi Levels	Ø D Diametro Diameter	L Lunghezza Lenght	
	°C	Kw	NR.	mm	mm	€
BEMREC1000	20	4,2	3	250	370	353,64
BEMREC1500	20	6,3	3	355	373	526,54
BEMREC2000	20	8,4	3	355	373	553,02
BEMREC2500	20	10,6	3	355	373	666,48
BEMREC3500	20	15	3	400	630	725,94

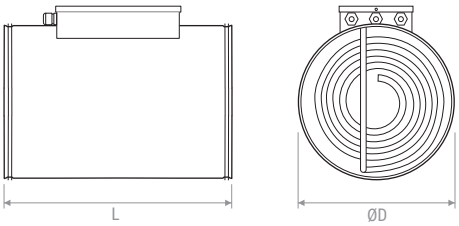
BATTERIA ELETTRICA TRIFASE AUTOREGOLANTE | ELECTRICAL COIL 400 VOLT SELF-REGULATING



Aria ingresso: 8°C / Alimentazione: 400 Volt - 50 Hz Air inlet: 8°C / Electrical data: 400 Volt - 50 Hz		Dimensioni | Dimensions		
Modello | Model	Potenzialità Capacity	Ø D Diametro Diameter	L Lunghezza Lenght	
	Kw	mm	mm	€
BETREC025006000AR	6	250	370	912,90
BETREC035509000AR	9	355	373	1.138,32
BETREC035512000AR	12	355	373	1.298,46
BETREC035515000AR	15	355	373	1.404,54
BETREC035518000AR	18	355	373	1.514,70
BETREC040024000AR	24	400	630	2.102,22

Adatte solo per funzionamento come batterie di pre-riscaldamento | Suitable only for pre-heating battery operating

BATTERIA ELETTRICA MONOFASE AUTOREGOLANTE | ELECTRICAL COIL 230 VOLT SELF-REGULATING



Aria ingresso: 8°C / Alimentazione: 230 Volt - 50 Hz Air inlet: 8°C / Electrical data: 230 Volt - 50 Hz		Dimensioni | Dimensions		
Modello | Model	Potenzialità Capacity	Ø D Diametro Diameter	L Lunghezza Lenght	
	Kw	mm	mm	€
BEMREC025004200AR	4,2	250	370	864,96
BEMREC025006000AR	6	250	370	912,90

Adatte solo per funzionamento come batterie di pre-riscaldamento | Suitable only for pre-heating battery operating

FILTRI ALTA EFFICIENZA | HIGH EFFICIENCY FILTERS

Modello | Model	Efficienza | Efficiency	€
GFTBRUC1000	F7 ISO e PM1 > 65 %	106,90
GFTBRUC1500	F7 ISO e PM1 > 65 %	128,94
GFTBRUC2000	F7 ISO e PM1 > 65 %	245,62
GFTBRUC2500	F7 ISO e PM1 > 65 %	245,62
GFTBRUC3500	F7 ISO e PM1 > 65 %	245,62

Installabili nell'unità al posto dei filtri G4 di serie. Prezzo al pezzo
Installable inside the unit instead of G4 series filters. Price for pieces

Adatti per versioni da interno e per BRUCVE
Suitable for indoor version and BRUCVE

Modello | Model	Efficienza | Efficiency	€
GFTBRUCOE1000	F7 ISO e PM1 > 65 %	106,90
GFTBRUCOE1500	F7 ISO e PM1 > 65 %	128,94
GFTBRUCOE2000	F7 ISO e PM1 > 65 %	245,62
GFTBRUCOE2500	F7 ISO e PM1 > 65 %	245,62
GFTBRUCOE3500	F7 ISO e PM1 > 65 %	245,62

Installabili nell'unità al posto dei filtri G4 di serie. Prezzo al pezzo
Installable inside the unit instead of G4 series filters. Price for pieces

Adatti per BRUCOE
Suitable for BRUCOE

SET FILTRI G4 | G4 SET FILTER

Modello | Model	Efficienza | Efficiency	€
FABRUC1000	G4 ISO COARSE > 65 %	39,68
FABRUC1500	G4 ISO COARSE > 65 %	45,20
FABRUC2000	G4 ISO COARSE > 65 %	50,70
FABRUC2500	G4 ISO COARSE > 65 %	56,72
FABRUC3500	G4 ISO COARSE > 65 %	68,04

Prezzo per set di 2 filtri | Price for set of 2 filters

Adatti per versioni da interno e per BRUCVE
Suitable for indoor version and BRUCVE

Modello | Model	Efficienza | Efficiency	€
FABRUCOE1000	G4 ISO COARSE > 65 %	39,68
FABRUCOE1500	G4 ISO COARSE > 65 %	45,20
FABRUCOE2000	G4 ISO COARSE > 65 %	50,70
FABRUCOE2500	G4 ISO COARSE > 65 %	56,72
FABRUCOE3500	G4 ISO COARSE > 65 %	68,04

Prezzo per set di 2 filtri | Price for set of 2 filters

Adatti per BRUCOE
Suitable for BRUCOE

BRUCEC

Scheda tecnica
Data sheet

Listino
Price list

UNITÀ DI RECUPERO CALORE DI TIPO COMMERCIALE AD ALTISSIMA EFFICIENZA
BY-PASS AUTOMATICO INCLUSO
MOTORI EC CON INVERTER

Recuperatore di calore: in controcorrente interamente realizzato in alluminio. In corrispondenza dello stesso è prevista una vasca per il drenaggio della condensa.

Struttura: il telaio portante è realizzato con profili di alluminio e pannellatura sandwich afonica Le unità sono provviste di pannelli asportabili per accedere all'interno ed effettuare le operazioni di manutenzione ordinaria e straordinaria.

Ventilatori: plug fan con motore EC Brushless (modelli BRUCEC700, BRUCEC1000) centrifugo a doppia aspirazione con motore elettrico a rotore esterno EC Brushless direttamente accoppiato completo di inverter con interfaccia Modbus (modelli BRUCEC2000, BRUCEC3500, BRUCEC4500).

Filtri: le unità sono provviste di serie con celle filtranti ondulate in fibra sintetica classe G4, telaio in acciaio zincato e reti di protezione in filo di acciaio zincato elettrosaldato.

COMMERCIAL HEAT RECOVERY UNIT WITH VERY HIGH EFICIENCY
AUTOMATIC BY-PASS INCLUDED
EC MOTORS WITH FREQUENCY CONVERTER

Heat recovery: the recuperator is the counterflow type all-aluminium. On the same is installed a condensate drain basin.

Structure: the frame is made of aluminium and galvanized steel sandwich sound proof panels. The units are equipped with removable panels for access to the interior and make routine and extraordinary maintenance.

Fans: plug fan with EC Brushless engine (models BRUCEC700, BRUCEC1000) centrifugal double suction with electric motor with external rotor EC Brushless direct driven complete of frequency converter. Modbus interface (models BRUCEC2000, BRUCEC3500, BRUCEC4500).

Filters: the units are equipped with standard filter cells wavy synthetic fiber efficiency G4, galvanized steel frame and safety nets in electro galvanized steel wire.

	BRUCEC700	BRUCEC1000	BRUCEC2000	BRUCEC3500	BRUCEC4500
Portata aria (mc/h) | Nominal air flow (mc/h)	700	1000	2000	3500	4500
Pressione statica utile (pa) | Useful static pressure (pa)	110	190	390	240	350
VENTILATORE DIRETTAMENTE ACCOPPIATO (dati per singolo ventilatore) | FANS (data for each fan)					
Potenza nominale (w) | Installed power (W)	113	207	1050	1050	2000
I nominale (A) | Current (A)	0,8	1,4	4,51	4,53	9,52
Tensione (V) | Rated voltage (V)	230	230	230	230	230
Frequenza (Hz) | Frequency (HZ)	50	50	50	50	50
Velocità (nr) | Speeds (nr)	1	1	1	1	1
FILTRI | FILTERS					
Acrilici ondulati efficienza | Corrugated acrylic efficiency	G4 ISO COARSE > 65 %				

Con temperature esterne < -3°C necessario preriscaldamento | With fresh air temperature < -3°C it is necessary pre-heating

DATI ECODESIGN | ECODESIGN DATA SHEET

Modello Model	Efficienza Efficiency	Portata aria nominale Nominal air flow	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/m³/s	w/m³/s	m/s	%	%	%
BRUCEC700	79,3	700	110	832	1439	1,24	42	6,6	3,9
BRUCEC1000	81,6	1000	190	946	1496	1,56	44	7,3	5,5
BRUCEC2000	80,7	2000	390	1303,2	1526,4	1,69	51	7,3	5,5
BRUCEC3500	81,7	3500	240	1202,4	1497,6	2,75	55	6,8	4,6
BRUCEC4500	81,3	4500	350	1432,8	1440,0	2,85	56	5,9	4,1

LIVELLO LW DI POTENZA SONORA IRRAGGIATO DAL CASING
SOUND POWER LW RADIATED FROM THE CASING SHEET

Modello Model	Dati misurati alla massima velocità | Data measured at maximum speed Frequenza | Frequency (Hz)							
	125	250	500	1000	2000	4000	8000	LwdB(A)
BRUCEC700	60,7	63,4	57,2	54,4	43,9	40,1	41,6	58,7
BRUCEC1000	63	65,2	59,4	56,3	46,6	41,3	43,8	61,6
BRUCEC2000	64,3	73,3	65,2	57,9	50,1	43,3	41,2	67
BRUCEC3500	73,4	76,2	68,4	59	53,4	44,6	44,4	70,3
BRUCEC4500	74,2	78,7	70,5	62,3	55,3	46,4	47,1	71,6

LIVELLO LW DI POTENZA SONORA IRRAGGIATO DAL VENTILATORE
SOUND POWER LW RADIATED FROM THE FAN

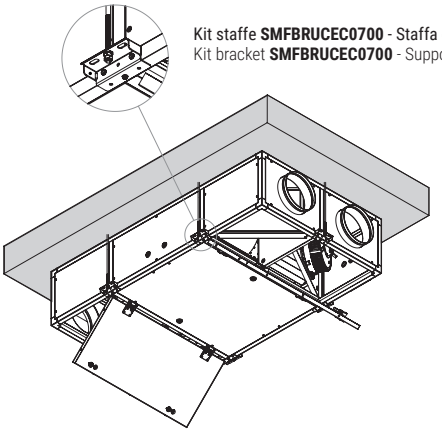
Modello Model	Dati misurati alla massima velocità | Data measured at maximum speed Frequenza | Frequency (Hz)							
	125	250	500	1000	2000	4000	8000	LwdB(A)
BRUCEC700	61,9	69,5	62,4	57,2	56,7	52,9	63,2	67,3
BRUCEC1000	64,2	73	66,7	60,6	61,9	56,4	65,3	70,6
BRUCEC2000	72,4	83,2	77,1	77,4	72,2	67,1	75,2	80,3
BRUCEC3500	74,2	78	78,4	76,6	73,1	71,4	74,6	79,2
BRUCEC4500	75,3	81,5	80,2	78,2	74,5	72,9	76,4	78,2

DISEGNI | DRAWINGS

BRUCEC700

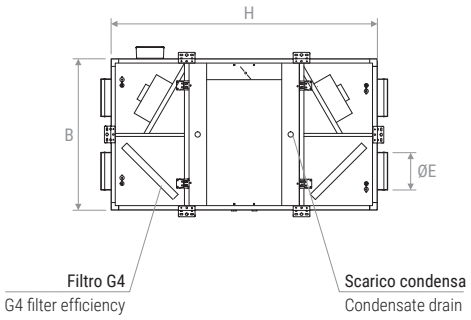
INSTALLAZIONE ORIZZONTALE | HORIZONTAL INSTALLATION

PESO | WEIGHT: **135 kg**

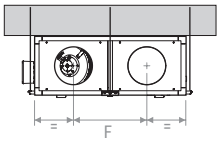


Kit staffe **SMFBRUCEC0700** - Staffa di sostegno asolate Ø9 (optional)
Kit bracket **SMFBRUCEC0700** - Support bracket with slot Ø9 (optional)

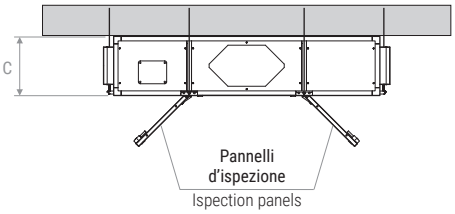
Vista dal basso | Bottom view



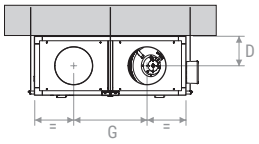
Vista frontale | Front view



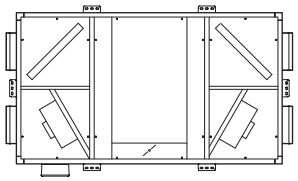
Vista laterale | Side view



Vista posteriore | Rear view



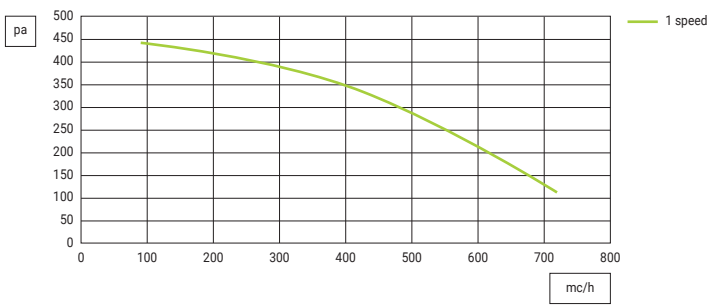
Vista dall'alto | Top view



	H	B	C	D	ØE	F	G
mm	1760	1000	390	195	250	485	485

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS

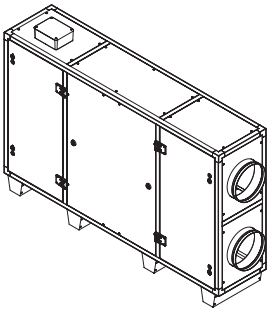
Pressione statica utile
Useful static pressure



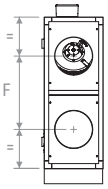
DISEGNI | DRAWINGS

BRUCEC700

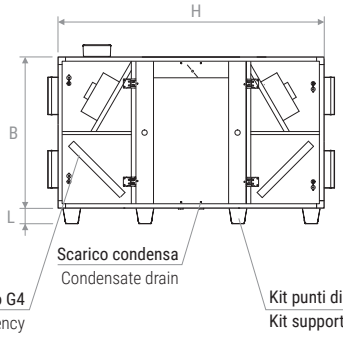
INSTALLAZIONE VERTICALE | VERTICAL INSTALLATION



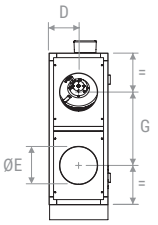
Vista laterale destra
Right side view



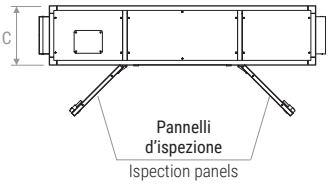
Lato ispezione
Inspection side



Vista laterale sinistra
Left side view



Vista superiore | Upper view



	H	B	C	D	ØE	F	G	L
mm	1760	1000	390	175	250	485	485	100

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.

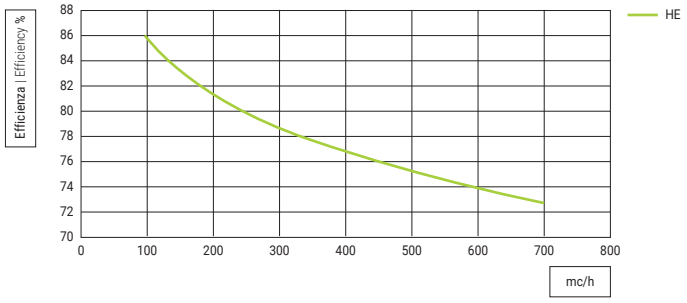
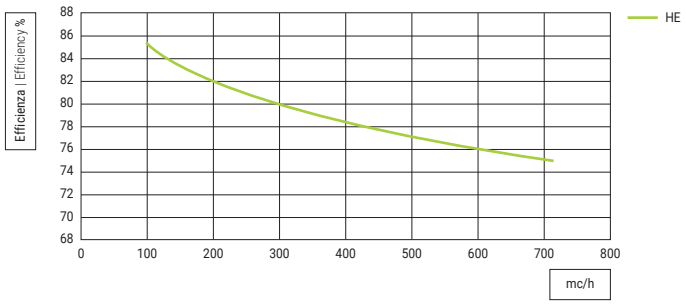


Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.



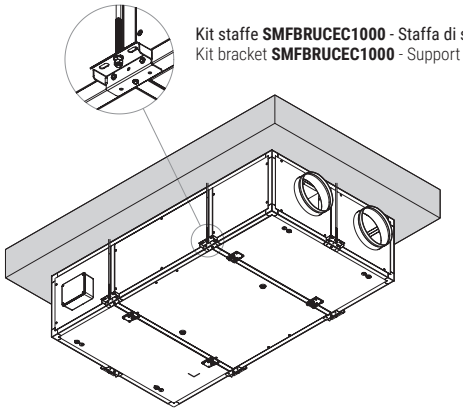
PROFESSIONAL

DISEGNI | DRAWINGS

BRUCEC1000

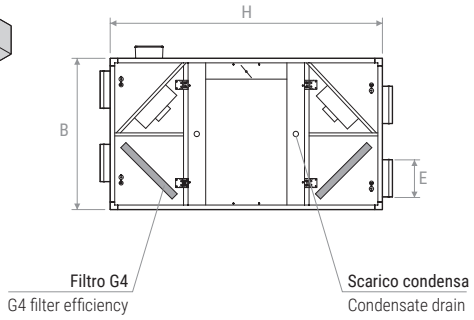
INSTALLAZIONE ORIZZONTALE | HORIZONTAL INSTALLATION

PESO | WEIGHT: **150 kg**

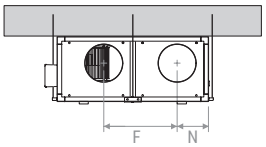


Kit staffe **SMFBRUCEC1000** - Staffa di sostegno asolate Ø9 (optional)
Kit bracket **SMFBRUCEC1000** - Support bracket with slot Ø9 (optional)

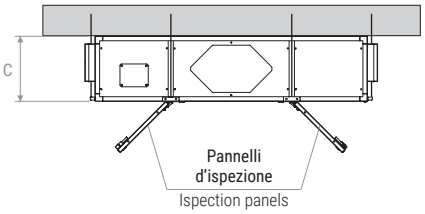
Vista dal basso | Bottom view



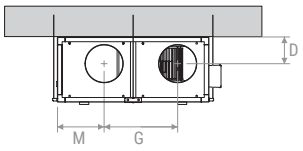
Vista frontale | Front view



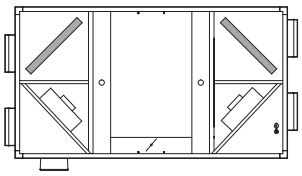
Vista laterale | Side view



Vista posteriore | Rear view



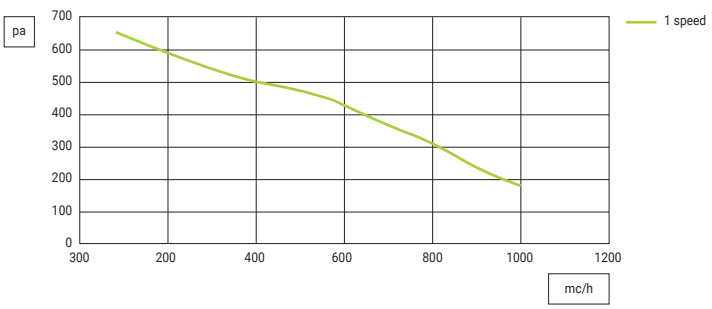
Vista dall'alto | Top view



	H	B	C	D	ØE	F	G	M	N
mm	1800	1000	430	175	250	485	485	308	207

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS

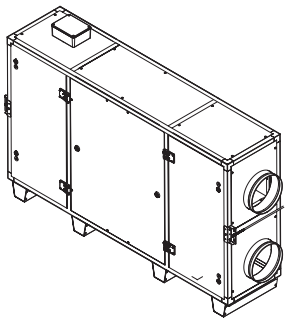
Pressione statica utile
Useful static pressure

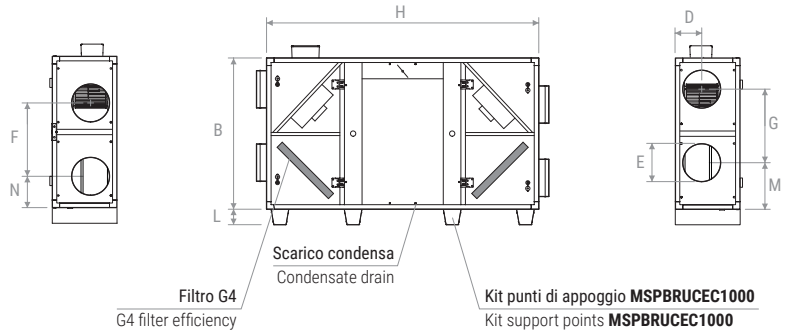


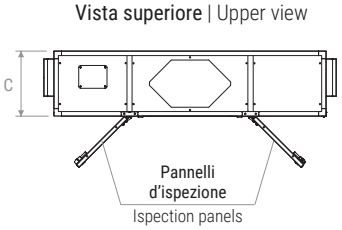
DISEGNI | DRAWINGS

BRUCEC1000

INSTALLAZIONE VERTICALE | VERTICAL INSTALLATION







	H	B	C	D	ØE	F	G	L	M	N
mm	1800	1000	430	175	250	485	485	100	308	207

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.

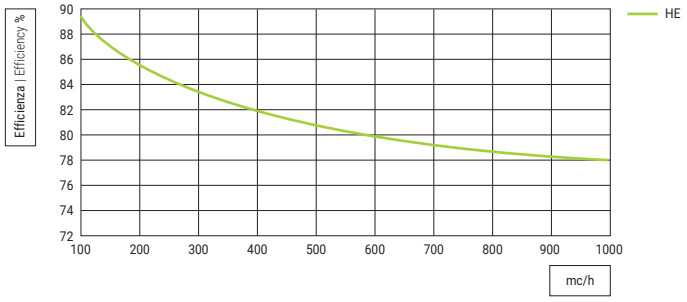
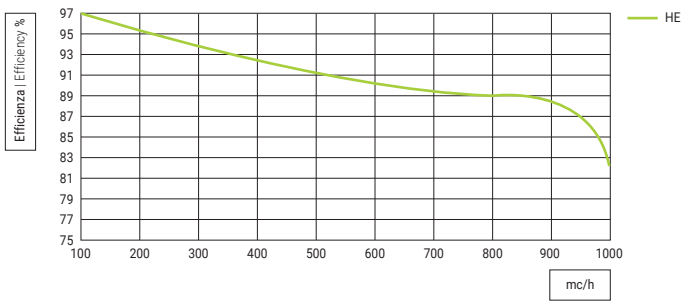


Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.



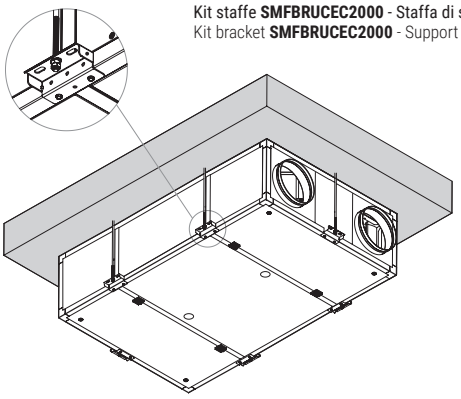
PROFESSIONAL

DISEGNI | DRAWINGS

BRUCEC2000

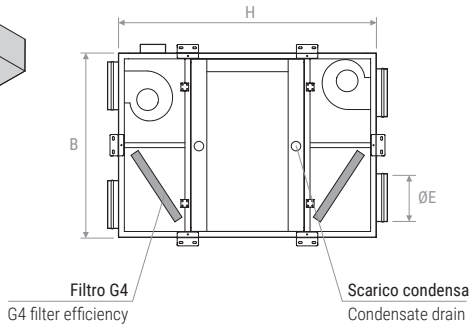
INSTALLAZIONE ORIZZONTALE | HORIZONTAL INSTALLATION

PESO | WEIGHT: **215 kg**

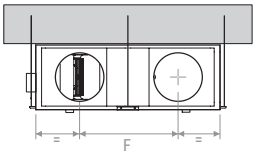


Kit staffe **SMFBRUCEC2000** - Staffa di sostegno asolate Ø9 (optional)
Kit bracket **SMFBRUCEC2000** - Support bracket with slot Ø9 (optional)

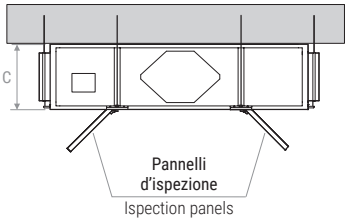
Vista dal basso | Bottom view



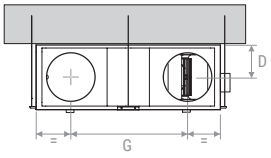
Vista frontale | Front view



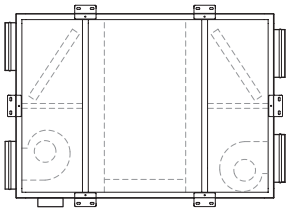
Vista laterale | Side view



Vista posteriore | Rear view



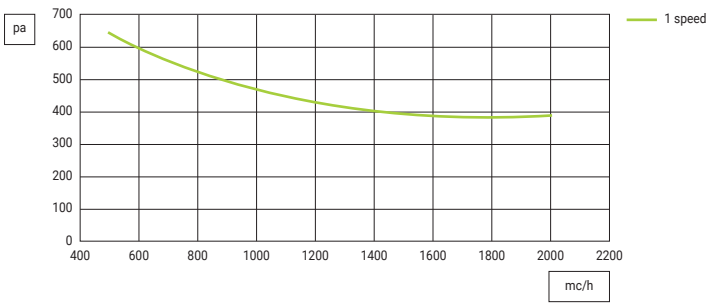
Vista dall'alto | Top view



	H	B	C	D	ØE	F	G
mm	2000	1100	510	255	355	498	622

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS

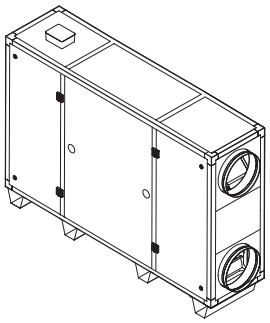
Pressione statica utile
Useful static pressure



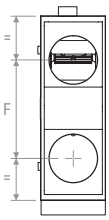
DISEGNI | DRAWINGS

BRUCEC2000

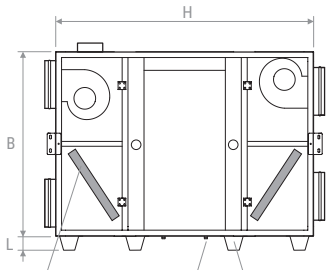
INSTALLAZIONE VERTICALE | VERTICAL INSTALLATION



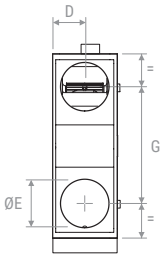
Vista laterale destra
Right side view



Lato ispezione
Inspection side



Vista laterale sinistra
Left side view

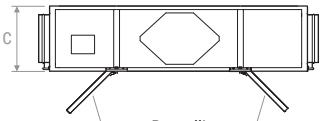


Filtro G4
G4 filter efficiency

Scarico condensa
Condensate drain

Kit punti di appoggio **MSPBRUCEC2000**
Kit support points **MSPBRUCEC2000**

Vista superiore | Upper view



Pannelli d'ispezione
Ispection panels

	H	B	C	D	ØE	F	G	L
mm	2000	1100	510	255	355	498	622	100

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.

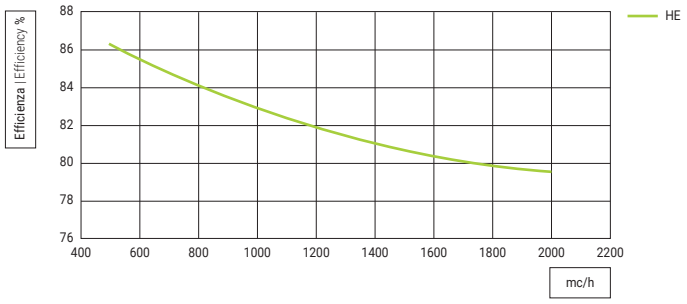
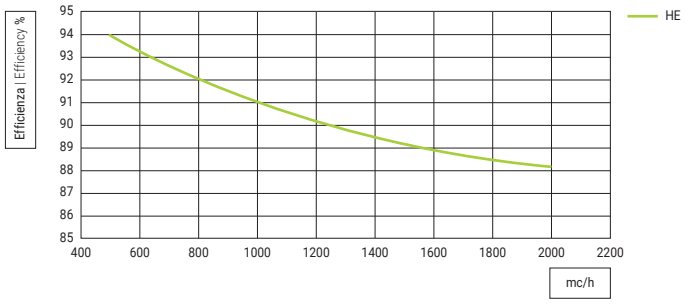


Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.



PROFESSIONAL

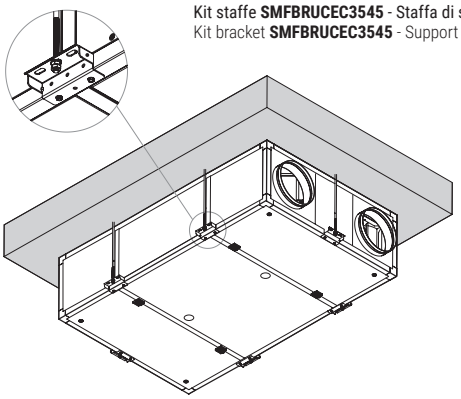
DISEGNI | DRAWINGS

BRUCEC3500

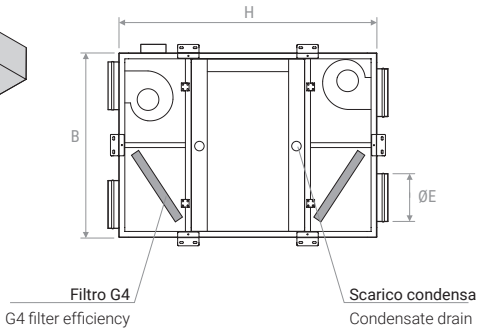
INSTALLAZIONE ORIZZONTALE | HORIZONTAL INSTALLATION

PESO | WEIGHT: **360 kg**

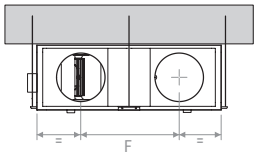
Kit staffe **SMFBRUCEC3545** - Staffa di sostegno asolate Ø9 (optional)
Kit bracket **SMFBRUCEC3545** - Support bracket with slot Ø9 (optional)



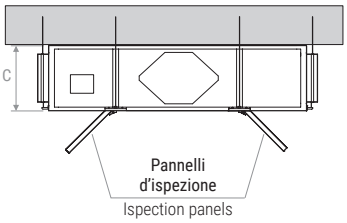
Vista dal basso | Bottom view



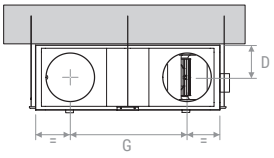
Vista frontale | Front view



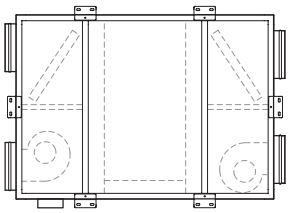
Vista laterale | Side view



Vista frontale | Front view



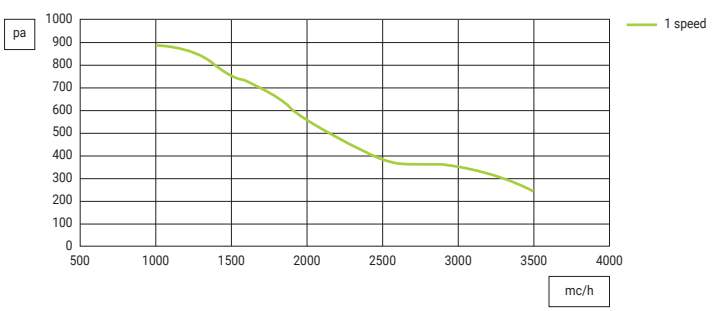
Vista dall'alto | Top view



	H	B	C	D	ØE	F	G
mm	2250	1400	650	365	355	860	860

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS

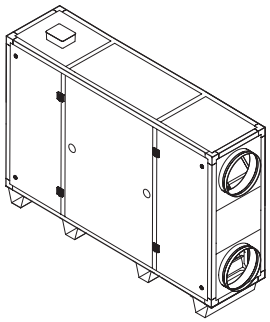
Pressione statica utile
Useful static pressure



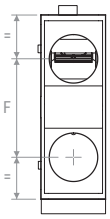
DISEGNI | DRAWINGS

BRUCEC3500

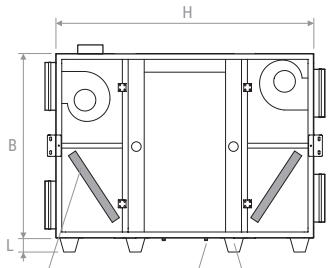
INSTALLAZIONE VERTICALE | VERTICAL INSTALLATION



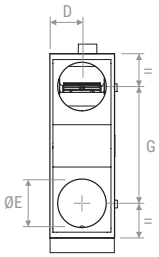
Vista laterale destra
Right side view



Lato ispezione
Inspection side



Vista laterale sinistra
Left side view

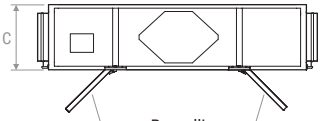


Filtro G4
G4 filter efficiency

Scarico condensa
Condensate drain

Kit punti di appoggio **MSPBRUCEC3545**
Kit support points **MSPBRUCEC3545**

Vista superiore | Upper view



Pannelli
d'ispezione
Ispection panels

	H	B	C	D	ØE	F	G	L
mm	2250	1400	650	365	355	860	860	100

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.

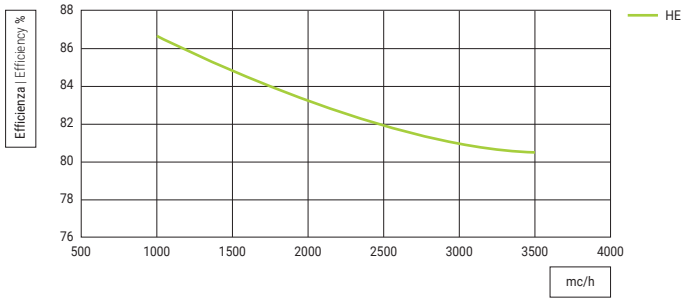
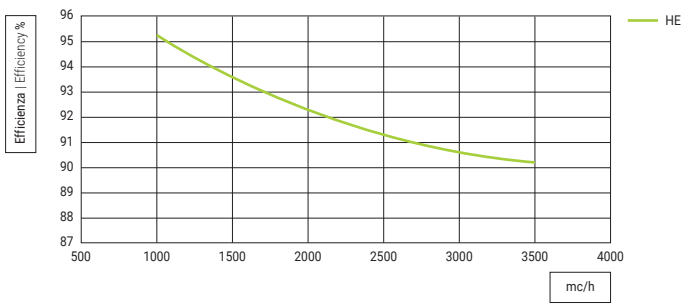


Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.



PROFESSIONAL

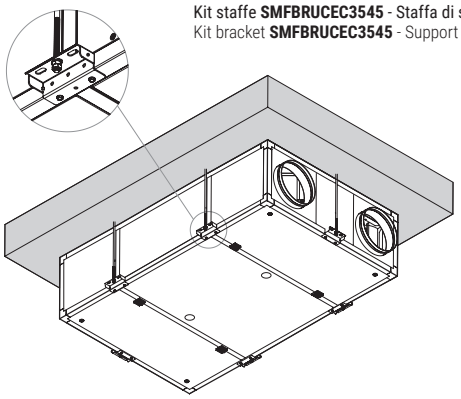
DISEGNI | DRAWINGS

BRUCEC4500

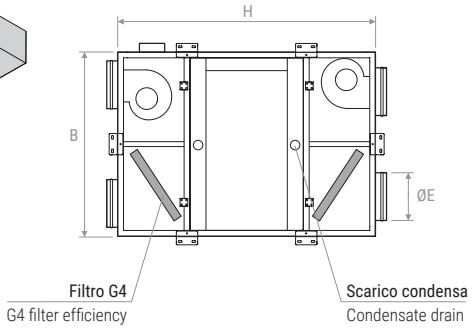
INSTALLAZIONE ORIZZONTALE | HORIZONTAL INSTALLATION

PESO | WEIGHT: **400 kg**

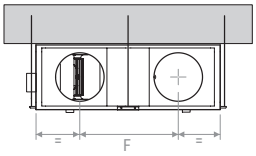
Kit staffe **SMFBRUCEC3545** - Staffa di sostegno asolate Ø9 (optional)
Kit bracket **SMFBRUCEC3545** - Support bracket with slot Ø9 (optional)



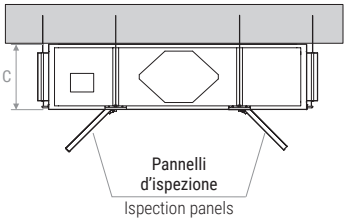
Vista dal basso | Bottom view



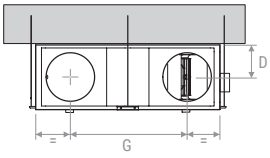
Vista frontale | Front view



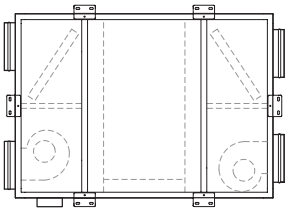
Vista laterale | Side view



Vista posteriore | Rear view



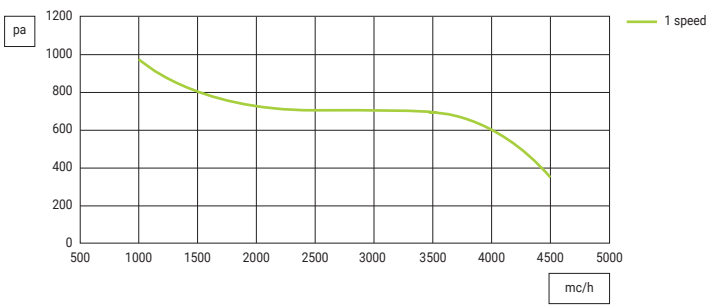
Vista dall'alto | Top view



	H	B	C	D	ØE	F	G
mm	2500	1650	650	365	400	985	985

DIAGRAMMI PRESTAZIONALI | PERFORMANCE CHARTS

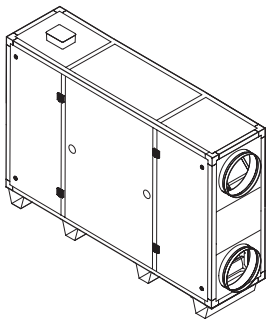
Pressione statica utile
Useful static pressure



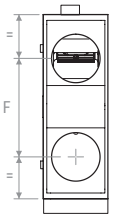
DISEGNI | DRAWINGS

BRUCEC4500

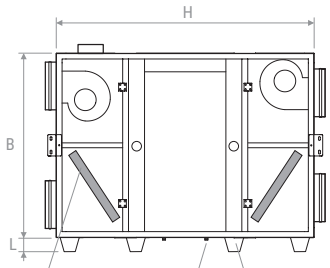
INSTALLAZIONE VERTICALE | VERTICAL INSTALLATION



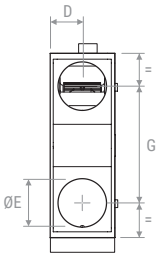
Vista laterale destra
Right side view



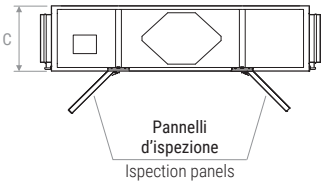
Lato ispezione
Inspection side



Vista laterale sinistra
Left side view



Vista superiore | Upper view



	H	B	C	D	ØE	F	G	L
mm	2500	1650	650	365	400	985	985	100

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.

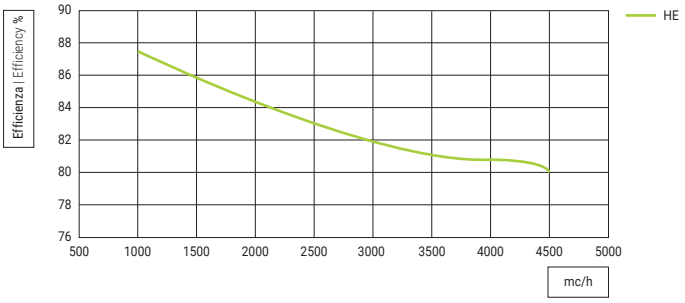
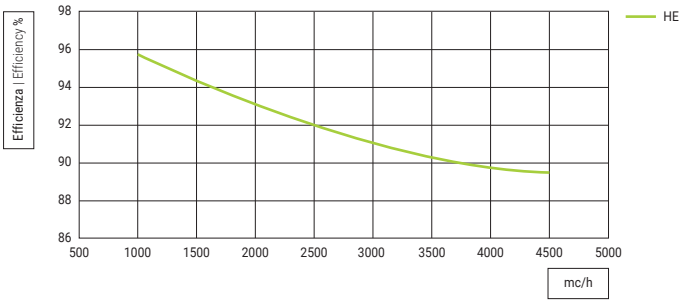


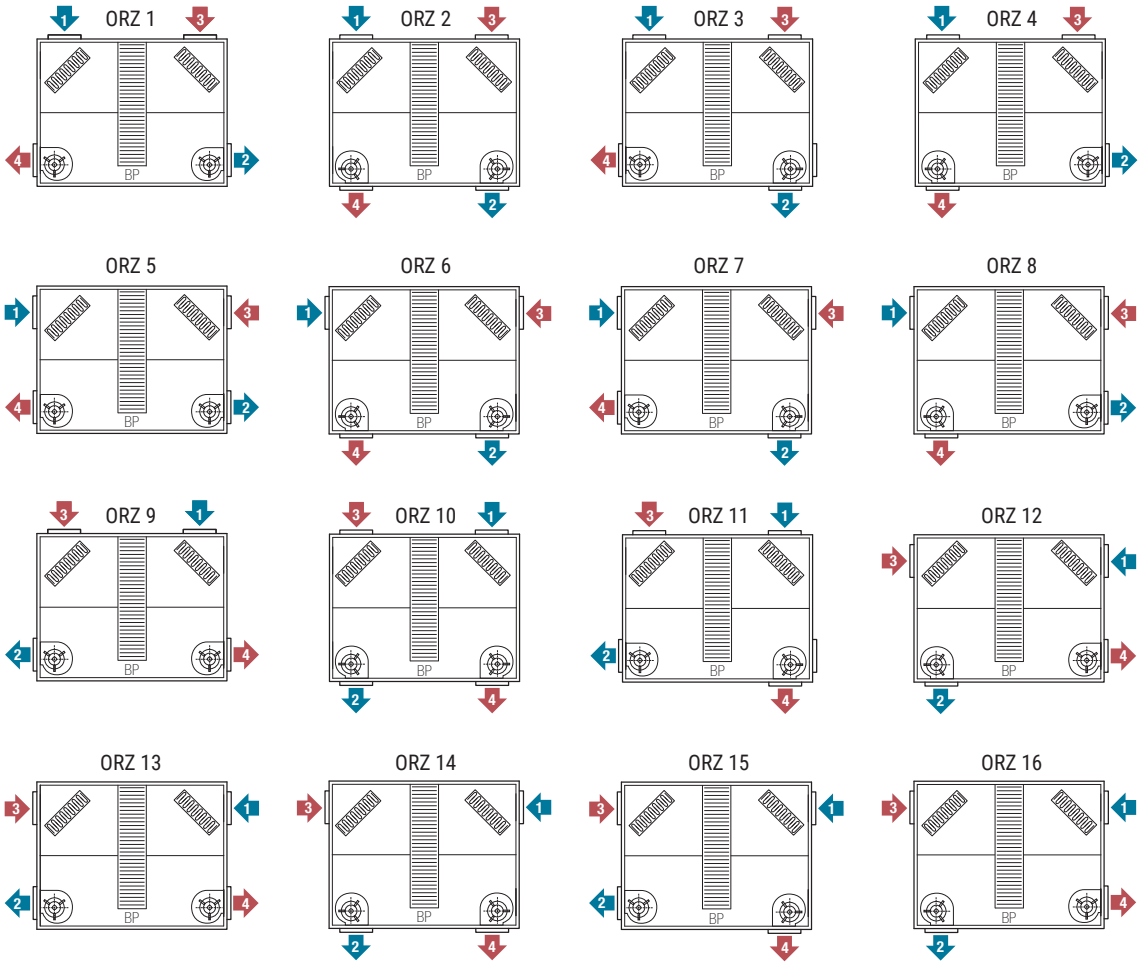
Diagramma efficienza invernale
Aria esterna: - 5 °C / 80 % U.R.
Aria ambiente: 20 °C / 50 % U.R.
Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.



PROFESSIONAL

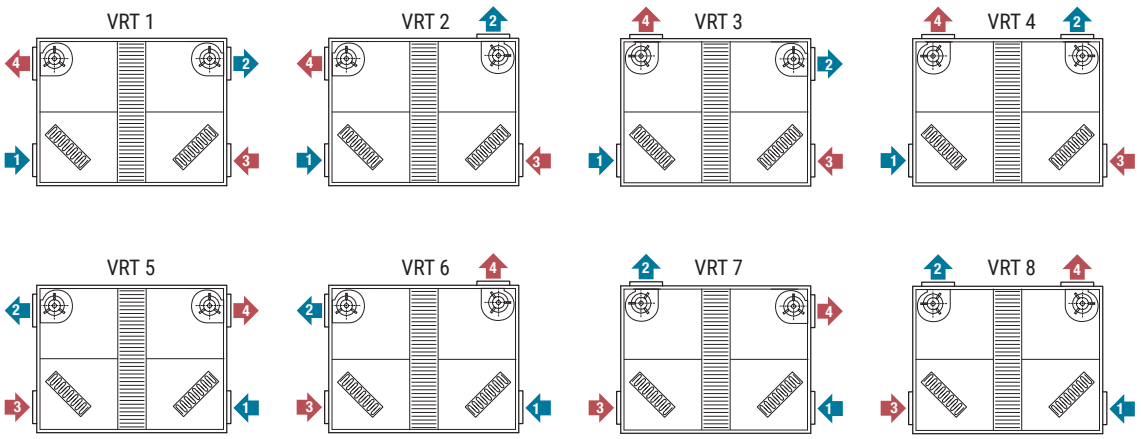
CONFIGURAZIONE | CONFIGURATION

ORIENTAMENTO VERSIONE ORIZZONTALE (vista superiore) | CONFIGURATIONS HORIZONTAL VERSION (top view)



ORZ 5 = STANDARD

ORIENTAMENTO VERSIONE VERTICALE (vista frontale lato ispezione) | CONFIGURATIONS VERTICAL VERSION (front view inspection side)



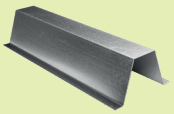
Leggenda | Legend
1 = aria esterna | fresh air
2 = mandata | supply
3 = ripresa | return
4 = espulsione | exhaust air

PREZZI | PRICES

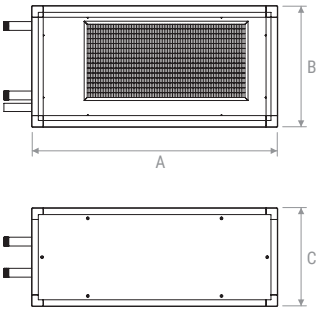
Modello | Model	€
BRUCEC700	4.075,92
BRUCEC1000	4.681,80
BRUCEC2000	6.318,80
BRUCEC3500	9.354,84
BRUCEC4500	10.842,00

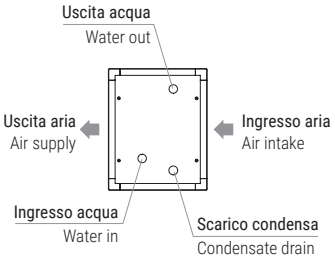
Versione da esterno BRUCECOE e BRUCECVE prezzi a richiesta
Outdoor version BRUCECOE and BRUCECVE prices on request

ACCESSORI | ACCESSORIES

Modello | Model			€
REP		**Regolatore velocità** | Speed control **Consigliati 2 regolatori di velocità per unità** Racommended 2 speed controls for unit	84,26
SMFBRUCEC0700 **SMFBRUCEC1000** **SMFBRUCEC2000** **SMFBRUCEC3545**		**Kit staffe per installazione a soffitto** | Kit brackets fot ceiling mounting	179,52
MSPBRUCEC0700 **MSPBRUCEC1000** **MSPBRUCEC2000** **MSPBRUCEC3545**		**Kit punti di appoggio per installazione verticale** Kit support points for vertical installation	129,96

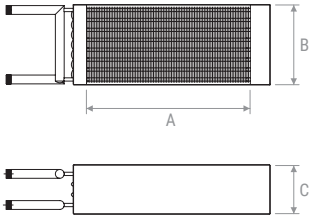
GRUPPO POST TRATTAMENTO ESTIVO | SUMMER COOLING GROUP

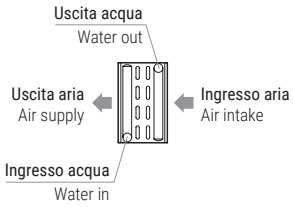




Aria ingresso: 29,5°C - 65% U.R. / Acqua ingresso: 7°C / Acqua uscita: 12°C Air inlet: 29,5°C - 65% U.R. / Water in: 7°C / Water out: 12°C							Dimensioni | Dimensions			
Modello | Model	Temperatura aria uscita Exit air temperature	U.R. aria uscita Exit air relative humidity	Potenzialità Capacity	Portata acqua Water flow	Perdita carico lato aria Air pressure drop	Perdita carico lato acqua Pressure drop water side	Diametro attacchi Diameter water connections	Base gruppo Base group	Altezza gruppo Height group	Spessore gruppo Thickness group	
	°C	%	Kw	mc/h	pa	kpa	pollici | inches	A mm	B mm	C mm	€
BAFREC1000*	16	96	9,21	1,6	73	12,3	3/4	750	370	300	1.204,02
BAFREC2000	16	93	18,9	3,2	68	26,6	3/4	1100	430	300	1.510,32
BAFREC3500	16	93	33,1	5,7	62	18,9	1	1400	610	300	2.171,28
BAFREC4500	17,2	90	42,5	7,3	83	28,3	1	1600	610	300	2.986,46

BATTERIA POST-RISCALDAMENTO ALTA TEMPERATURA | POST- HEATING HIGH TEMPERATURE COIL

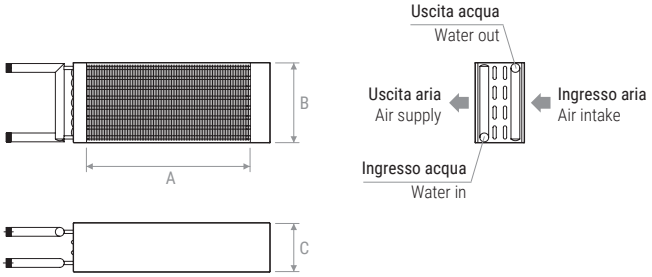




Aria ingresso: 8°C / Acqua ingresso: 70°C / Acqua uscita: 60°C Air inlet: 8°C / Water in: 70°C / Water out: 60°C						Dimensioni | Dimensions			
Modello | Model	Temperatura aria uscita Exit air temperature	Potenzialità Capacity	Portata acqua Water flow	Perdita carico lato aria Air pressure drop	Perdita carico lato acqua Pressure drop water side	Diametro attacchi Diameter water connections	Base passaggio aria Base air passage	Altezza passaggio aria Height air passage	Spessore Thickness air passage	
	°C	Kw	mc/h	pa	kpa	pollici | inches	A mm	B mm	C mm	€
BRATREC1000*	25	8,89	0,8	22	12,8	1/2	500	300	90	531,02
BRATREC2000	25	11,8	1	26	23,6	1/2	600	300	90	600,38
BRATREC3500	25	20,7	1,8	20	16,7	3/4	800	480	100	773,38
BRATREC4500	25	26,6	2,3	27	8	1	1000	480	120	888,42

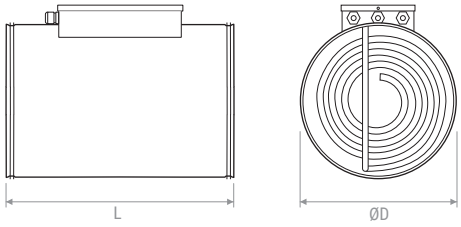
*** Adatto per BRUCEC1000 e BRUCEC700** | Suitable fot BRUCEC1000 and BRUCEC700

BATTERIA POST-RISCALDAMENTO BASSA TEMPERATURA | POST-HEATING LOW TEMPERATURE COIL



Aria ingresso: 8°C / Acqua ingresso: 45°C / Acqua uscita: 40°C Air inlet: 8°C / Water in: 45°C / Water out: 40°C						Dimensioni | Dimensions			
Modello | Model	Temperatura aria uscita Exit air temperature	Potenzialità Capacity	Portata acqua Water flow	Perdita carico lato aria Air pressure drop	Perdita carico lato acqua Pressure drop water side	Diametro attacchi Diameter water connection	Base passaggio aria Base air passage	Altezza passaggio aria Height air passage	Spessore Thickness air passage	
	°C	Kw	mc/h	pa	kpa	pollici | inches	A mm	B mm	C mm	€
BRBTREC1000*	30	7,67	1,3	34	7,9	3/4	500	240	150	670,86
BRBTREC2000	30	15,3	2,7	31	12,6	3/4	850	300	150	854,88
BRBTREC3500	30	26,8	4,7	28	15,1	1	1000	480	160	1.234,92
BRBTREC4500	30	34,4	6	37	10	1½	1300	480	170	1.568,66

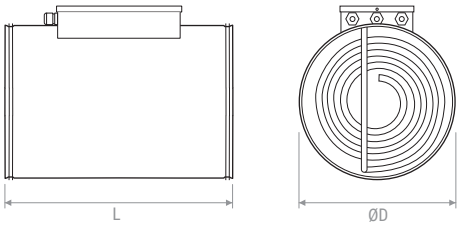
BATTERIA ELETTRICA TRIFASE | ELECTRICAL COIL 400 VOLT



Aria ingresso: 8°C / Alimentazione: 400 Volt - 50 Hz Air inlet: 8°C / Electrical data: 400 Volt - 50 Hz				Dimensioni | Dimensions		
Modello | Model	Temperatura aria uscita Exit air temperature	Potenzialità Capacity	Stadi Levels	Ø D Diametro Diameter	L Lunghezza Lenght	
	°C	Kw	NR.	mm	mm	€
BETREC1000*	20	4,5	3	250	370	413,10
BETREC1500	20	6,6	3	355	373	510,00
BETREC2500	20	10,5	3	355	373	773,38
BETREC3500	20	15	3	400	630	821,82

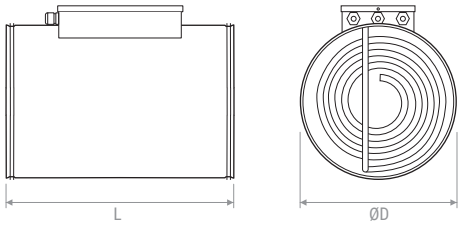
*** Adatto per BRUCEC1000 e BRUCEC700** | Suitable fot BRUCEC1000 and BRUCEC700

BATTERIA ELETTRICA MONOFASE | ELECTRICAL COIL 230 VOLT



Aria ingresso: 8°C / Alimentazione: 230 Volt - 50 Hz Air inlet: 8°C / Electrical data: 230 Volt - 50 Hz				Dimensioni | Dimensions		
Modello | Model	Temperatura aria uscita Exit air temperature	Potenzialità Capacity	Stadi Levels	Ø D Diametro Diameter	L Lunghezza Lenght	
	°C	Kw	NR.	mm	mm	€
BEMREC1000*	20	4,2	3	250	370	353,64
BEMREC1500	20	6,3	3	355	373	526,54
BEMREC2500	20	10,6	3	355	373	666,48
BEMREC3500	20	15	3	400	630	725,94

BATTERIA ELETTRICA TRIFASE AUTOREGOLANTE | ELECTRICAL COIL 400 VOLT SELF-REGULATING

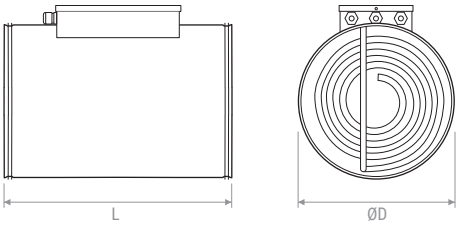


Aria ingresso: 8°C / Alimentazione: 400 Volt - 50 Hz Air inlet: 8°C / Electrical data: 400 Volt - 50 Hz		Dimensioni | Dimensions		
Modello | Model	Potenzialità Capacity	Ø D Diametro Diameter	L Lunghezza Lenght	
	Kw	mm	mm	€
BETREC025006000AR	6	250	370	912,90
BETREC035509000AR	9	355	373	1.138,32
BETREC035512000AR	12	355	373	1.298,46
BETREC035515000AR	15	355	373	1.404,54
BETREC035518000AR	18	355	373	1.514,70
BETREC040024000AR	24	400	630	2.102,22

Adatte solo per funzionamento come batterie di pre-riscaldamento | Suitable only for pre-heating battery operating

* Adatto per BRUCEC1000 e BRUCEC700 | Suitable fot BRUCEC1000 and BRUCEC700

BATTERIA ELETTRICA MONOFASE AUTOREGOLANTE | ELECTRICAL COIL 230 VOLT SELF-REGULATING



Aria ingresso: 8°C / Alimentazione: 230 Volt - 50 Hz Air inlet: 8°C / Electrical data: 230 Volt - 50 Hz		Dimensioni | Dimensions		
Modello | Model	Potenzialità Capacity	Ø D Diametro Diameter	L Lunghezza Lenght	
	Kw	mm	mm	€
BEMREC025004200AR	4,2	250	370	864,96
BEMREC025006000AR	6	250	370	912,90

Adatte solo per funzionamento come batterie di pre-riscaldamento | Suitable only for pre-heating battery operating

FILTRI ALTA EFFICIENZA | HIGH EFFICIENCY FILTERS

Modello | Model	Efficienza | Efficiency	€	
GFTBRUC0700	F7 ISO e PM1 > 65 %	105,78	adatto per | suitable for **BRUCEC700**
GFTBRUC1000	F7 ISO e PM1 > 65 %	106,90	adatto per | suitable for **BRUCEC1000**
GFTBRUC1500	F7 ISO e PM1 > 65 %	128,94	adatto per | suitable for **BRUCEC2000**
GFTBRUC2500	F7 ISO e PM1 > 65 %	245,62	adatto per | suitable for **BRUCEC3500**
GFTBRUC3500	F7 ISO e PM1 > 65 %	245,62	adatto per | suitable for **BRUCEC4500**

Installabili nell'unità al posto dei filtri G4 di serie. Prezzo al pezzo | Installable inside the unit instead of G4 series filters. Price for pieces
Adatti per versioni da interno e per BRUCECVE | Suitable for indoor version and for BRUCECVE

Modello | Model	Efficienza | Efficiency	€	
GFTBRUCOE0700	F7 ISO e PM1 > 65 %	105,78	adatto per | suitable for **BRUCECOE700**
GFTBRUCOE1000	F7 ISO e PM1 > 65 %	106,90	adatto per | suitable for **BRUCECOE1000**
GFTBRUCOE1500	F7 ISO e PM1 > 65 %	128,94	adatto per | suitable for **BRUCECOE2000**
GFTBRUCOE2500	F7 ISO e PM1 > 65 %	245,62	adatto per | suitable for **BRUCECOE3500**
GFTBRUCOE3500	F7 ISO e PM1 > 65 %	245,62	adatto per | suitable for **BRUCECOE4500**

Installabili nell'unità al posto dei filtri G4 di serie. Prezzo al pezzo | Installable inside the unit instead of G4 series filters. Price for pieces
Adatti per BRUCECOE | Suitable for BRUCECOE

SET FILTRI G4 | G4 SET FILTER

Modello | Model	Efficienza | Efficiency	€
FABRUCEC0700	G4 ISO COARSE > 65 %	38,56
FABRUCEC1000	G4 ISO COARSE > 65 %	39,68
FABRUCEC2000	G4 ISO COARSE > 65 %	50,70
FABRUCEC3500	G4 ISO COARSE > 65 %	56,72
FABRUCEC4500	G4 ISO COARSE > 65 %	68,04

Prezzo per set di 2 filtri | Price for set of 2 filters
Adatti per versioni da interno e per BRUCECVE
Suitable for indoor version and for BRUCECVE

Modello | Model	Efficienza | Efficiency	€
FABRUCECOE0700	G4 ISO COARSE > 65 %	38,56
FABRUCECOE1000	G4 ISO COARSE > 65 %	39,68
FABRUCECOE2000	G4 ISO COARSE > 65 %	50,70
FABRUCECOE3500	G4 ISO COARSE > 65 %	56,72
FABRUCECOE4500	G4 ISO COARSE > 65 %	68,04

Prezzo per set di 2 filtri | Price for set of 2 filters
Adatti per BRUCECOE | Suitable for BRUCECOE

SISTEMA DI REGOLAZIONE BASE | BASIC CONTROL SYSTEM

	 CTRDSPRF	 CTRTSMART
Controllo velocità | Speed control	•	•
Contollo by-pass | By-pass control	•	•
Intasamento filtri | Clogging filter	•	•
Comunicazione MODBUS 485 | MODBUS485 communication	•	•
Impostazione velocità | Speed setting	•	•
ON/OFF	•	•
Allarmi puntuali | Specific allarms	•	•
Programmazione giornaliera / settimanale | Daily / weekly programming timer	•	•
Controllo velocità ventilatori da sonda CO_2 posta a display Fan control speed from CO_2 probe installed on display		•
Controllo velocità ventilatori da sonda umidità posta a display Control fan speed from humidity probe installed on display		•
Connessione wi-fi network | Connection to wi-fi network		•

Le protezioni elettriche per i componenti di potenza posti all'interno delle unità sono a carico dell'installatore secondo le leggi dei singoli paesi.
Electrical protections for power components inside the units are the responsibility of the installer according to the laws of the each countries.

SISTEMA DI REGOLAZIONE AVANZATI | ADVANCED CONTROL SYSTEM

CTRBTRI (sistema controllo batteria idronica) | (hydronic coil control system)
- **Controllo temperatura a punto fisso in mandata** | Fixed point temperature control in supply
- **Selezione stagione** | Season selection

CTRBTRE (sistema controllo batteria elettrica) | (electric battery control system)
- **Controllo temperatura a punto fisso in mandata** | Fixed point temperature control in supply
- **Segnale attivazione batteria** | coil activation signal

CTRRH (sistema controllo in funzione della U.R.) **con sonda interna unità** | (control system in function of R.H.) with probe internal unit
- **Controllo velocità ventilatori da R.H. solo per CTRDSPRF** | Control fan speed by R.H. only for CTRDSPRF

CTRCO2 (sistema controllo in funzione della CO^2) **con sonda posta in ambiente** | (control system in function of CO^2) with probe installed in the room
- **Controllo velocità ventilatori da CO_2 solo per CTRDSPRF** | Control fan speed by CO_2 only for CTRDSPRF

CTRBTRI e CTRBRE non possono essere gestiti in contemporanea | CTRBTRI and CTRBRE cannot be managed simultaneously
CTRRH e CTRCO2 non possono essere gestiti in contemporanea | CTRRH and CTRCO2 cannot be managed simultaneously

COMPOSIZIONE SISTEMI DI REGOLAZIONE | CONTROL SYSTEMS COMPOSITION

Modello | Model	Elenco componenti | List of components	€
CTRDSPRF	**Scheda elettronica** | PCB **Sonde temperatura interne** | Internal temperature probes **Cablaggio e collaudo sistema** | Wiring and system commissioning **Pannello di comando remoto wireless** | Wireless remote control panel	662,10
CTRTSMART	**Scheda elettronica** | PCB **Sonde temperatura interne** | Internal temperature probes **Cablaggio e collaudo sistema** | Wiring and system commissioning **Pannello di comando remoto wireless touch screen** Wireless remote control panel touch screen	995,90

Modello | Model		Elenco componenti | List of components	€
CTRBTRI		**Valvola a 3 vie** | 3-way valve **Servomotore controllo valvola** | Valve control servomotor **Sonda temperatura da canale** | Duct temperature probe **Cablaggio e collaudo sistema** | Wiring and system commissioning	465,00
CTRBTRE		**Modulo segnale controllo Q.E. potenza batteria elettrica** Control signal module Q.E. battery power electric **Sonda temperatura da canale** | Duct temperature probe **Cablaggio e collaudo sistema** | Wiring and system commissioning	111,30
CTRRH		**Modulo controllo U.R.** | Control module R.H. **Sonda U.R. interna unità** | Internal R.H.. probe unit **Cablaggio e collaudo sistema** | Wiring and system commissioning	66,80
CTRCO2		**Modulo controllo CO_2** | Control module CO_2 **Modulo rilevazione CO_2 ambiental wireless** Wireless ambient CO_2 detection module **Cablaggio e collaudo sistema** | Wiring and system commissioning	408,20

CTRBTRE per funzionare deve essere accoppiato ad un quadro di potenza (vedi sotto BRUCQE) che può anche essere eseguito dall'installatore elettrico su schema Brofer.
To function CTRBTRE must be coupled to a power panel (see below BRUCQE) which can also be made by the electrical installer on the Brofer scheme

QUADRO ELETTRICO POTENZA BATTERIE ELETTRICA | POWER ELECTRIC BOX ELECTRIC BATTERY

Modello | Model	Kw	€
BRUCQE45	4,5	544,68
BRUCQE66	6,6	657,90
BRUCQE105	10,5	953,70
BRUCQE150	15	1.066,92