

RDCD30



4BRF



**REGOLAZIONE PLUG AND PLAY
WIRELESS INCLUSA**

BY-PASS AUTOMATICO INCLUSO

**INSTALLAZIONE ORIZZONTALE-
VERTICALE-DESTRA-SINISTRA**

**WIRELESS PLUG AND PLAY CONTROL
SYSTEM INCLUDED**

AUTOMATIC BY-PASS INCLUDED

**INSTALLATION HORIZONTAL-
VERTICAL-RIGHT -LEFT**

STRUTTURA:

Struttura autoportante in EPS a tenuta con mantello esterno in acciaio completa di sistema estrazione filtri e drenaggio condensa.

RECUPERATORE DI CALORE:

Recuperatore di calore del tipo in controcorrente interamente realizzato in materiale plastico.

VENTILATORI:

Tipo plug fan con motori EC Brushless.

FILTRI:

Le unità sono provviste di serie con celle filtranti ondulate in fibra sintetica classe G4, in opzione filtro efficienza F7 su aria esterna.

STRUCTURE:

Free standing EPS seal structure with outer coat painted steel complete of filters ex traction system and drain condensate.

HEAT RECOVERY:

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

FANS:

Plug fan type with EC Brushless engine.



FILTERS:

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

TECHNIKAI JELLEMZŐK - GENERAL TECHNICAL DATA TABLE

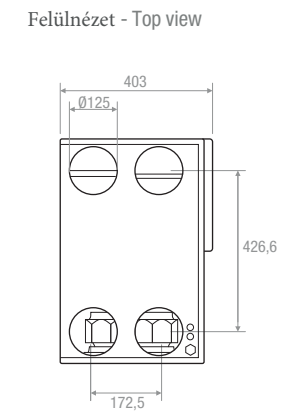
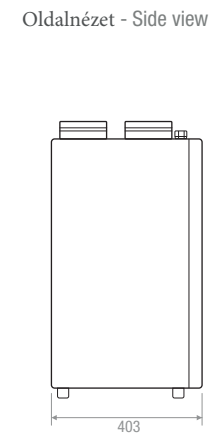
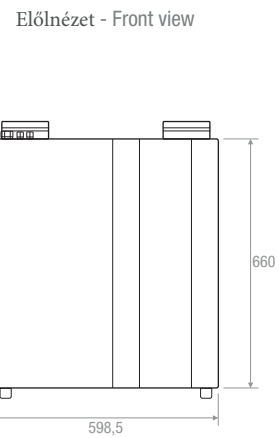
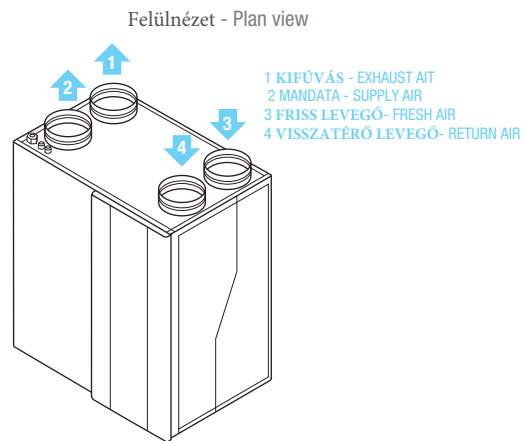
	RDCD30
Légszállítás (mc/h) - Nominal air flow (mc/h)	227
Statikus nyomás (pa) - Useful static pressure (pa)	100
VENTILÁTOR ADATOK - FANS (DATA FOR EACH FAN)	
Teljesítmény (w) - Installed power (W)	43
Áramfelvétel (A) - Current (A)	0,32
Áramellátás (V) - Rated voltage (V)	230
Frekvencia (Hz) - Frequency (HZ)	50
Sebesség fokozat (nr) - Speed (nr)	3+1
SZŰRŐ(K) - FILTERS	
Hatékonyság - Efficiency Standard	G4
Hatékonyság - Efficiency Optional	F7

ÁR - PRICES

Modell Model		Seb szabályzó Speed control	By-pass	Fagyvédelem Defrost protection	Intasamento filtri Clogged filters	Páraérzékelő Humidity control	Érzékelő CO ₂ CO ₂ control	Turbó funkció Booster function	MODBUS MODBUS gate way	
4BRF		•	•	•	•			•		
RHRF		•	•	•	•	•				
CO2RF		•	•	•	•		•			
MODBUSRF									•	

Plug and Play szabályzás - Plug and Play regulation.

ÁBRA - DRAWINGS



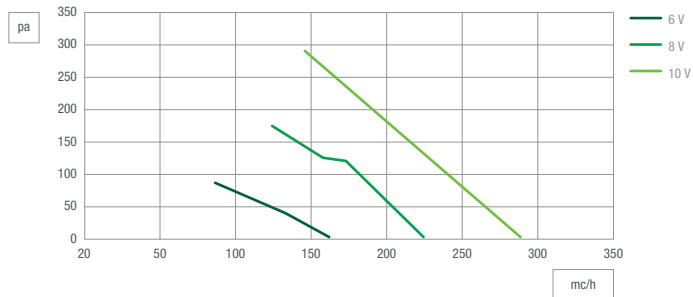
SÚLY - WEIGHT: 37 kg



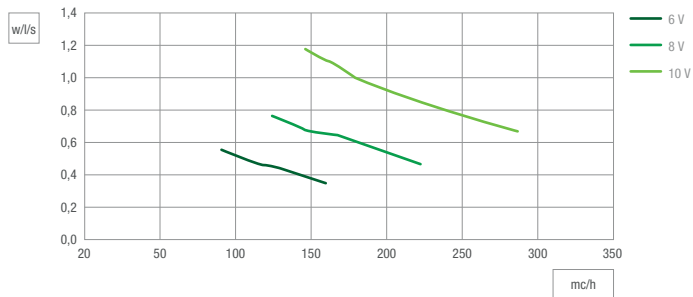
JELLEGŐRBÉK - PERFORMANCE CHARTS

IGAZOLT TELJESÍTMÉNY EN 13147:7:2011 - PERFORMANCE EN 13147:7:2011 CERTIFIED

Statikus nyomás
Useful static pressure
① ③



Ventilátor teljesítmény - S.F.P.
②



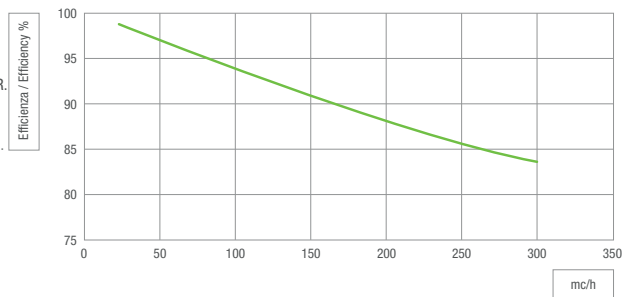
IGAZOLT TELJESÍTMÉNY EN 13147:7:2011 - HEAT EXCHANGER EN 13147:7:2011 CERTIFIED

Hatékonysági diagram
nyáron

Külső levegő: 32 °C / 50 % U.R.
Környezeti levegő: 26 °C / 50 % U.R.

Nyári hatékonyság

Friss levegő: 32 °C / 50 % R.H.
Visszatérő levegő: 26 °C / 50 % R.H.

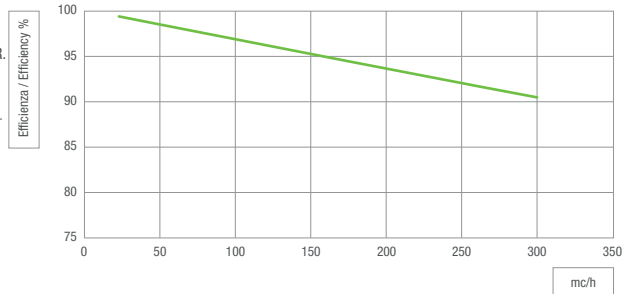


Hatékonysági diagram

Külső levegő: -5 °C / 80 % U.R.
Környezeti levegő: 20 °C / 50 % U.R.

Téli hatékonyság

Friss levegő: -5 °C / 80 % R.H.
Visszatérő levegő: 20 °C / 50 % R.H.



ZAJSZINT - RADIATED SOUND LEVEL

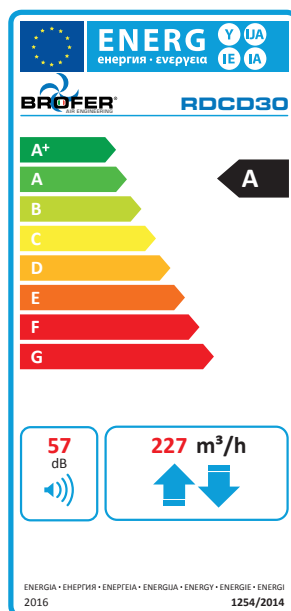
Sebesség - Speed	Hangnyomás - Sound pressure								
	Hz	63	125	250	500	1000	2000	4000	8000
10V		21	27	45	49	47	44	38	37
8V		18	29	44	48	44	42	36	34
6V		15	25	43	42	35	35	29	24



DICHIARAZIONE DI PRESTAZIONE DELL'UNITA DI RECUPERO DEL CALORE RDCD30

Nome o denominazione commerciale del fabbricante	BROFER		
Identificativo del modello del fornitore e opzioni installate	RDCD30		
Clima di riferimento	Temperato	Freddo	Caldo
SEC in [kWh/(m ² a)] per ogni tipo di clima (temperato, caldo, freddo)	-34,72	-71,65	-10,95
SEC Class	A	A+	E
Tipologia dichiarata dell'unità di ventilazione	UVR-B Bidirezionale		
Tipo di azionamento installato	Azionamento a velocità multiple		
Tipo di sistema di recupero del calore	a recupero		
Efficienza termica ¹	85		
Portata massima in [m ³ /h] ²	227		
Potenza elettrica complessiva massima portata [W]	106		
Livello di potenza sonora (LWA) in [dB(A)] ³	57,4		
Portata di riferimento in [m ³ /h] ⁴	158,4		
Differenze di pressione di riferimento [Pa]	50		
SPI in [W/m ³ /h] ⁵	0,289		
Fattore di controllo e tipologia	1		
Percentuale massima di trafilamento interno [%] ⁶	0,8		
Percentuale massima di trafilamento esterno [%] ⁶	0,5		
Indirizzo Internet con costruzioni	www.vmcbrofer.it		

- 1: Efficienza in conformità a EN13141-7:2010 alla portata di riferimento a 50 Pa;
 2: Portata massima a 100 Pa di pressione esterna;
 3: Irraggiamento dalla cassa alla portata di riferimento a 50 Pa di pressione esterna;
 4: La percentuale della portata di riferimento è del 70% della portata massima a 50 Pa di pressione esterna in conformità a EN13141-7:2010;
 5: In conformità a EN13141-7:2010 alla portata di riferimento;
 6: In conformità a EN13141-7:2010;
 SEC: Consumo energetico specifico.



DECLARATION OF PERFORMANCE HEAT RECOVERY UNIT RDCD30

Supplier name or trade mark	BROFER		
Supplier Model Identifier and options installed	RDCD30		
Reference climate	Temperate	Cold	Hot
SEC in [kWh/(m ² a)] per ogni tipo di clima (temperato, caldo, freddo)	-34,72	-71,65	-10,95
SEC Class	A	A+	E
Declared Typology	UVR-B Bidirectional		
Type of drive installed	Multi-speed drive		
Type of heat recovery	Recuperative		
Thermal efficiency ¹	85		
Maximum flow rate in [m ³ /h] ²	227		
Maximum electric Power in [W]	106		
Sound Power Level (LWA) in [dB(A)] ³	57,4		
Reference flow rate [m ³ /h] ⁴	158,4		
Reference pressure difference in [Pa]	50		
SPI in [W/m ³ /h] ⁵	0,289		
Control factor and typology	1		
Declared maximum internal leakage [%] ⁶	0,8		
Declared maximum external leakage [%] ⁶	0,5		
Internet address for pre/dis-assembly instruction	www.vmcbrofer.it		

- 1: Efficiency according EN13141-7:2010 at reference flow at 50 Pa;
 2: Maximum flow at 100 Pa external pressure;
 3: Casing radiation at reference flow rate at 50 Pa external pressure;
 4: Reference flow rate is 70% of maximum flow at 50 Pa external pressure according EN13141-7:2010;
 5: According EN13141-7:2010 at reference flow rate;
 6: According EN13141-7:2010;
 SEC: Specific Energy Consumption.

