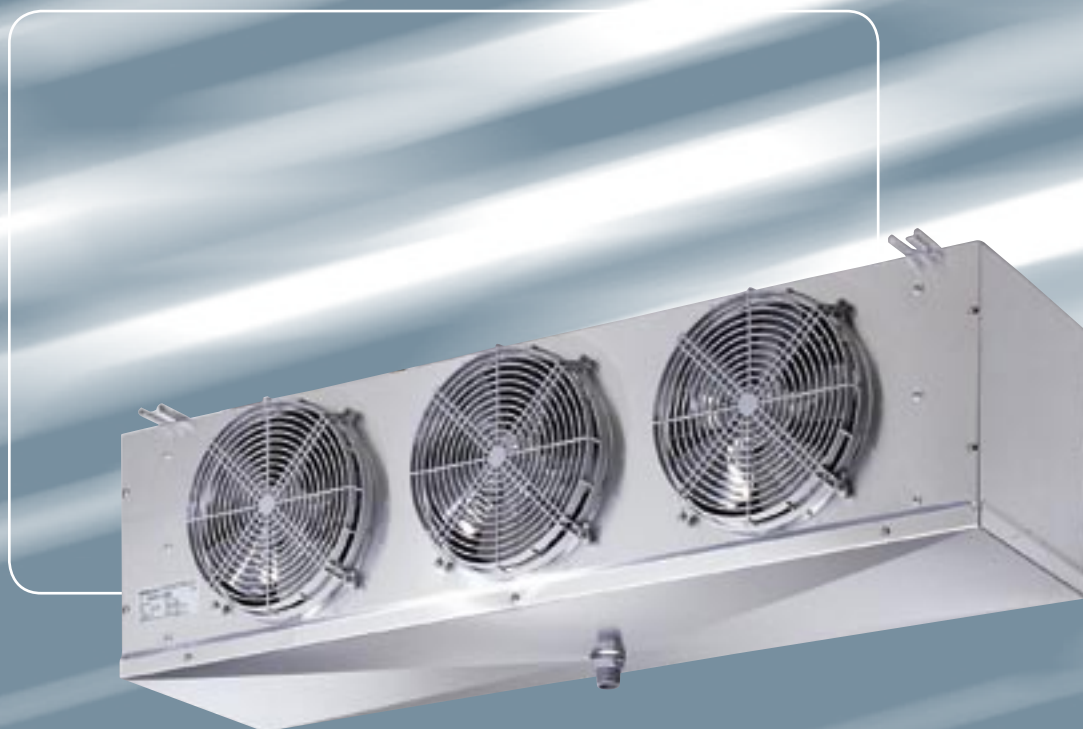


AEROEVAPORATORI CUBICI A SOFFITTO
Ceiling cubic unit coolers



RIVACOLD

Tabella / Table

(A)	RC125 - 16 RC125 - 16ED
(B)	RC225 - 25 RC225 - 25ED RC225 - 30 RC225 - 30ED
(C)	RC325 - 33 RC325 - 33ED RC325 - 45 RC325 - 45ED
(D)	RC425 - 61 RC425 - 61ED



Aeroevaporatori cubici a soffitto RC

RC Ceiling cubic unit coolers

Caratteristiche generali

Gli aeroevaporatori della serie RC sono stati ideati per essere installati in celle frigorifere per la conservazione di prodotti freschi e congelati.

La forma estremamente compatta, permette l'installazione anche in celle di dimensioni ridotte.

La serie ED, fornita di resistenze di sbrinamento già montate, è adatta per essere utilizzata alle basse temperature.

Il funzionamento in modalità aspirante del motoventilatore, evita la formazione di condensa sulla ventola.

General features

RC range unit coolers have been designed to be installed inside cold rooms suited for fresh and frozen goods storage.

Their shape, being extremely compact, allows the installation also in cold rooms having very small dimensions.

The ED version is fitted with defrosting heaters and is suitable for being used at low temperature applications.

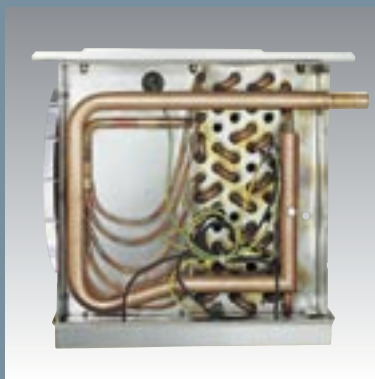
The fan motors operate in the suction mode and prevent the condensate forming on the fan.

Optional - Optional items

- Batteria verniciata
Varnished coil
- Resistenza per il tubo di scarico con alimentazione elettrica 220V/1/50Hz (per alimentazioni differenti consultare il nostro ufficio tecnico).
Drainage pipe heater of 220V/1/50Hz voltages (for different voltages please contact our technical dept).



Lato collegamento elettrico
Electrical connection side.



Lato collegamento frigorifero
Pipe connection side.

Caratteristiche costruttive



Manufacturing features

Batteria

La batteria è costruita con alette in alluminio (passo 5,3 mm) e tubo in rame da 3/8".

La batteria viene collaudata con azoto / elio ad una pressione di 25 bar.

Motoventilatore

Il motoventilatore utilizzato ha le seguenti caratteristiche:

- costruito nel rispetto delle norme EN 60335-1, con protezione termica interna
- diametro ventola 250 mm, inclinazione 28°
- alimentazione 230-240V/1/50-60Hz
- grado di protezione IP42
- classe di isolamento B
- temperatura di funzionamento da -40°C a +40°C
- esecuzione elettrica conforme alla direttiva 2006/95/CE Bassa Tensione

Carenatura

È realizzata in alluminio. Le soluzioni costruttive adottate conferiscono robustezza alla carenatura e garantiscono l'assenza di vibrazioni durante il funzionamento. Le viti, le rondelle e i dadi sono di acciaio inossidabile.

Coil

The coil is made of aluminium fins, (fin spacing 5,3 mm) and 3/8" copper tube.

It is tested with nitrogen / helium at a pressure of 25 bar.

Fan motor

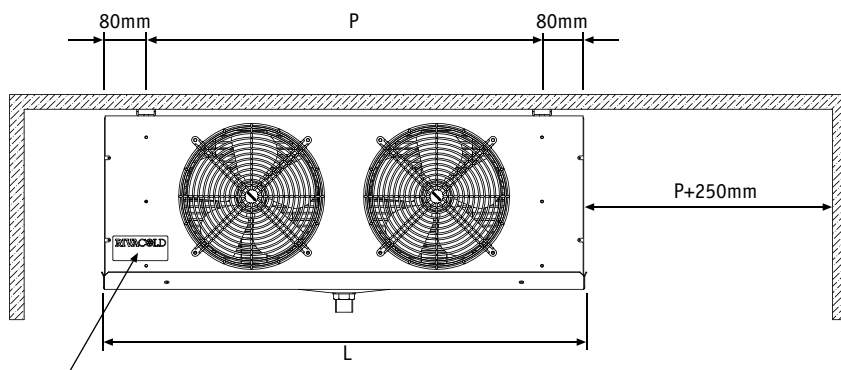
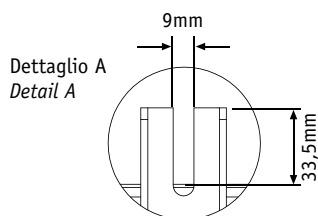
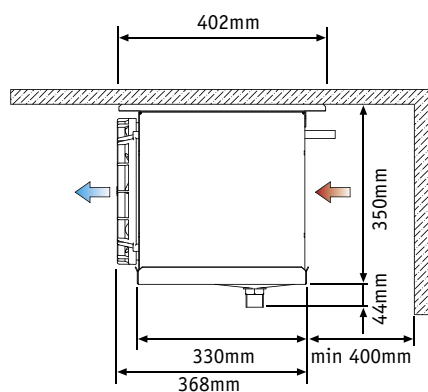
The fan motor model in use has the following features:

- *manufactured following EN 60335-1 laws, with internal thermal protection*
- *fan diameter 250mm, 28° inclination*
- *power supply 230-240V/1/50-60Hz*
- *IP42 protection rate*
- *B insulation class*
- *operating temperature from -40°C to +40°C*
- *electrics made in conformity with 2006/95/CE Low Tension directive*

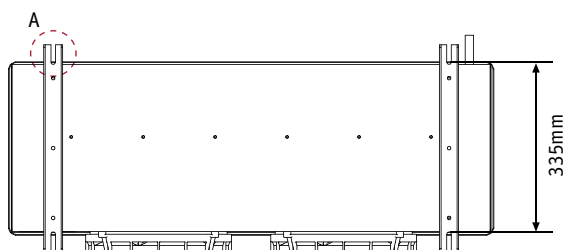
Housing

The housing is made of aluminium. The manufacturing solutions used give the housing strength and guarantees the absence of vibrations during the functioning. Screws, washers and nuts are made of stainless steel.





Etichetta di riconoscimento
Identifying label



Serie RC / RC Range

Modello Model	RC	125-16 125-16ED	225-25 225-25ED	225-30 225-30ED	325-33 325-33ED	325-45 325-45ED	425-61 425-61ED
Dimensioni Dimensions (mm)	P	400	770	770	1140	1140	1510
	L	574	944	944	1314	1314	1684
Attacchi Connections	Ø ingresso Ø inlet	12mm	12mm	12mm	12mm	12mm	12mm
	Ø uscita Ø outlet	16mm	16mm	22mm	22mm	22mm	28mm
	Ø scarico Ø drain	1" Gas (33mm)	1" Gas (33mm)	1" Gas (33mm)	1" Gas (33mm)	1" Gas (33mm)	1" Gas (33mm)

Caratteristiche tecniche

Technical features

Serie RC / RC Range

5,3 mm Passo alette / Fin spacing

Modello Model	RC	125-16 125-16ED	225-25 225-25ED	225-30 225-30ED	325-33 325-33ED	325-45 325-45ED	425-61 425-61ED
Capacità ΔT 10 T.cella +2°C Capacity ΔT 10 Room T. +2°C	kW	1,76	2,74	3,48	4,14	4,96	6,87
Portata d'aria Air flow	m ³ /h	736	1602	1445	2364	2167	2890
Freccia d'aria Air throw	m	7	7,5	7	7,5	7	7
Superficie totale Total surface	m ²	5,59	7,36	11	11	16,5	21,9
Volume circuito evaporatore Unit cooler volume circuit	dm ³	1,89	2,27	3,57	3,17	4,77	6,7
Motoventilatori Fan motors	n x Ømm	1x250	2x250	2x250	3x250	3x250	4x250
Assorbimento motori (*) Motor power consumption	A	0,45	0,9	0,9	1,35	1,35	1,8
	W	65	130	130	195	195	260
Sbrinamento elettrico (*) Electrical defrost	W	750	1350	1350	1950	1950	2700
Peso netto Net weight	vers. standard standard vers.	kg	10,6	17,7	19,7	25,2	28,2
	vers. ED ED vers.	kg	11,3	19	21	27	30

(*) Alimentazione elettrica: motoventilatori 230V/1/50Hz, sbrinamento elettrico predisposto per 400/3/50Hz
Power supply: fan motors 230/1/50Hz, electrical defrost present for 400/3/50Hz

Scelta evaporatore

Model choice

Per una corretta scelta dell'evaporatore, utilizzare le tabelle "Potenza Frigorifera". Nelle tabelle vengono riportate le rese frigorifere calcolate per un range di temperatura cella che va da -40°C a +15°C ed un ΔT (differenza tra la temperatura dell'aria in entrata e la temperatura di evaporazione del refrigerante) che va da 5°C a 10°C, utilizzando come refrigerante il gas R404A. I parametri per la scelta dell'evaporatore sono: la temperatura della cella, il valore ΔT ed il carico termico. Nella colonna corrispondente alla temperatura cella desiderata, sceglieremo il modello che in corrispondenza del ΔT richiesto, avrà una resa uguale o superiore al carico termico.

For a correct choice of the unit cooler, use the "refrigerating output" tables.

In these tables are quoted the refrigerating capacities calculated for a cold room temperature ranging from -40°C to +15°C and a ΔT (i.e. difference between the inlet air temperature and the gas evaporating temperature) from 5°C to 10°C, by using R404A gas.

The parameters valid for the unit cooler choice are the following ones: the cold room temperature, the ΔT value and the heat load. In the column corresponding to the requested cold room temperature we will choose the model that, matching the line of the requested ΔT , will have a capacity equal or bigger than the heat load.

In caso di utilizzo di refrigeranti diversi da R404A, la resa riportata a catalogo va moltiplicata per i fattori correttivi qui sotto riportati
In case of using a different gas from R404A, the stated refrigerating capacity is to be multiplied by the following corrective factors

GAS	Fattore correttivo Corrective factor
R134a	0,91
R507	1
R407f mid	0,95
R407f dew	1,22
R407a mid	0,95
R407a dew	1,22

**R404A****Potenza frigorifera***Refrigerating output***RIVACOLD****RC125-16 RC125-16ED**

	Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	1,00	1,11	1,22	1,31	1,39	1,46	1,54	1,63	1,73	1,76	1,78	1,80	1,83	1,86	1,92	2,01
ΔT 9 UR/RH 79%	kW	0,92	1,02	1,11	1,19	1,25	1,31	1,38	1,46	1,56	1,58	1,60	1,61	1,63	1,69	1,73	1,79
ΔT 8 UR/RH 82%	kW	0,84	0,92	0,99	1,06	1,11	1,16	1,20	1,27	1,36	1,38	1,39	1,40	1,43	1,48	1,52	1,58
ΔT 7 UR/RH 85%	kW	0,75	0,81	0,87	0,92	0,96	0,99	1,04	1,10	1,18	1,19	1,20	1,20	1,25	1,28	1,32	1,38
ΔT 6 UR/RH 89%	kW	0,65	0,70	0,74	0,78	0,81	0,84	0,88	0,93	1,00	1,01	1,02	1,03	1,07	1,11	1,14	1,19
ΔT 5 UR/RH 93%	kW	0,54	0,57	0,60	0,63	0,65	0,67	0,71	0,76	0,83	0,83	0,83	0,87	0,90	0,93	0,96	1,01

RC225-25 RC225-25ED

	Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	1,21	1,41	1,62	1,83	2,02	2,17	2,33	2,50	2,69	2,74	2,79	2,83	2,88	2,94	3,04	3,19
ΔT 9 UR/RH 79%	kW	1,14	1,32	1,51	1,69	1,83	1,97	2,10	2,24	2,44	2,48	2,52	2,55	2,59	2,68	2,75	2,86
ΔT 8 UR/RH 82%	kW	1,06	1,22	1,38	1,53	1,65	1,76	1,87	1,99	2,15	2,18	2,21	2,24	2,28	2,36	2,43	2,54
ΔT 7 UR/RH 85%	kW	0,96	1,10	1,24	1,35	1,45	1,53	1,63	1,73	1,87	1,89	1,91	1,93	2,00	2,06	2,12	2,21
ΔT 6 UR/RH 89%	kW	0,86	0,97	1,07	1,16	1,24	1,30	1,38	1,48	1,61	1,62	1,63	1,66	1,73	1,79	1,84	1,92
ΔT 5 UR/RH 93%	kW	0,74	0,82	0,89	0,95	1,00	1,06	1,13	1,22	1,33	1,34	1,35	1,40	1,45	1,50	1,56	1,65

RC225-30 RC225-30ED

	Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	1,84	2,07	2,31	2,53	2,72	2,88	3,02	3,20	3,42	3,48	3,53	3,58	3,63	3,70	3,82	4,00
ΔT 9 UR/RH 79%	kW	1,71	1,92	2,13	2,31	2,46	2,60	2,72	2,88	3,09	3,13	3,17	3,21	3,25	3,36	3,45	3,59
ΔT 8 UR/RH 82%	kW	1,57	1,75	1,93	2,07	2,19	2,28	2,41	2,55	2,74	2,78	2,80	2,84	2,89	2,99	3,07	3,19
ΔT 7 UR/RH 85%	kW	1,42	1,56	1,70	1,81	1,91	1,98	2,06	2,19	2,38	2,40	2,42	2,42	2,53	2,60	2,68	2,80
ΔT 6 UR/RH 89%	kW	1,24	1,36	1,46	1,54	1,60	1,66	1,75	1,86	2,01	2,03	2,04	2,07	2,16	2,23	2,30	2,41
ΔT 5 UR/RH 93%	kW	1,04	1,13	1,20	1,26	1,30	1,35	1,43	1,52	1,66	1,67	1,68	1,75	1,81	1,88	1,95	2,06

RC325-33 RC325-33ED

	Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	2,08	2,37	2,68	2,96	3,21	3,40	3,58	3,81	4,07	4,14	4,20	4,29	4,35	4,44	4,58	4,79
ΔT 9 UR/RH 79%	kW	1,94	2,21	2,47	2,70	2,89	3,07	3,22	3,42	3,67	3,72	3,77	3,82	3,86	3,99	4,10	4,27
ΔT 8 UR/RH 82%	kW	1,79	2,02	2,24	2,43	2,57	2,72	2,85	3,03	3,25	3,29	3,32	3,36	3,42	3,54	3,64	3,79
ΔT 7 UR/RH 85%	kW	1,61	1,80	1,98	2,11	2,24	2,34	2,47	2,62	2,82	2,85	2,87	2,89	2,99	3,07	3,16	3,30
ΔT 6 UR/RH 89%	kW	1,42	1,57	1,69	1,80	1,90	1,98	2,09	2,22	2,40	2,42	2,44	2,47	2,57	2,65	2,74	2,88
ΔT 5 UR/RH 93%	kW	1,19	1,29	1,39	1,47	1,53	1,60	1,70	1,82	1,98	1,98	1,99	2,08	2,15	2,22	2,30	2,42

Tc = temperatura cella / cold room temperature

Potenza frigorifera**R404A****RC***Refrigerating output***RC325-45 RC325-45ED**

	Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	1,89	2,23	2,64	3,05	3,43	3,78	4,09	4,45	4,84	4,96	5,06	5,16	5,26	5,41	5,60	5,89
ΔT 9 UR/RH 79%	kW	1,80	2,12	2,49	2,84	3,17	3,45	3,75	4,06	4,42	4,52	4,61	4,69	4,79	4,96	5,11	5,34
ΔT 8 UR/RH 82%	kW	1,68	1,99	2,31	2,61	2,89	3,12	3,35	3,62	3,94	4,01	4,08	4,15	4,25	4,41	4,55	4,76
ΔT 7 UR/RH 85%	kW	1,56	1,83	2,10	2,35	2,58	2,74	2,96	3,19	3,47	3,53	3,58	3,63	3,77	3,89	4,02	4,22
ΔT 6 UR/RH 89%	kW	1,41	1,64	1,86	2,06	2,22	2,37	2,55	2,76	3,02	3,06	3,10	3,17	3,30	3,42	3,54	3,72
ΔT 5 UR/RH 93%	kW	1,24	1,42	1,59	1,74	1,86	1,98	2,13	2,30	2,53	2,56	2,59	2,70	2,81	2,92	3,04	3,22

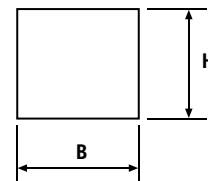
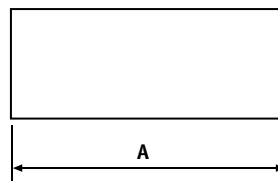
RC425-61 RC425-61ED

	Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	3,14	3,62	4,16	4,66	5,10	5,50	5,84	6,26	6,74	6,87	6,99	7,10	7,22	7,38	7,63	8,01
ΔT 9 UR/RH 79%	kW	2,95	3,40	3,87	4,30	4,67	4,96	5,25	5,67	6,11	6,22	6,32	6,41	6,51	6,73	6,93	7,23
ΔT 8 UR/RH 82%	kW	2,74	3,14	3,54	3,90	4,20	4,44	4,68	5,00	5,39	5,48	5,55	5,63	5,74	5,95	6,13	6,40
ΔT 7 UR/RH 85%	kW	2,50	2,85	3,17	3,45	3,70	3,85	4,09	4,37	4,71	4,78	4,83	4,88	5,05	5,21	5,37	5,61
ΔT 6 UR/RH 89%	kW	2,23	2,51	2,76	2,97	3,14	3,29	3,49	3,74	4,06	4,11	4,15	4,22	4,39	4,55	4,70	4,63
ΔT 5 UR/RH 93%	kW	1,91	2,12	2,31	2,44	2,56	2,70	2,87	3,09	3,38	3,41	3,44	3,58	3,72	3,85	4,00	4,23

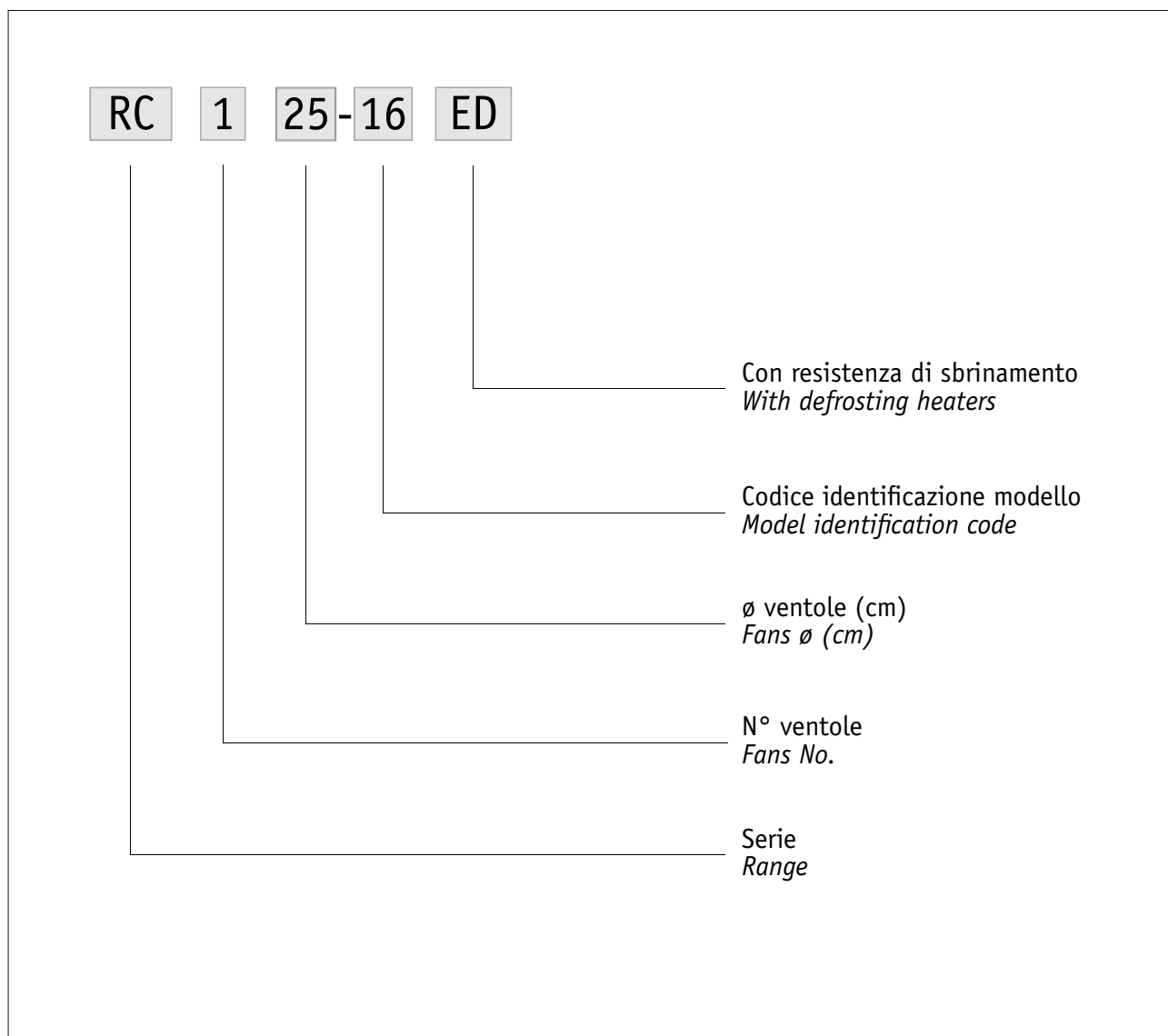
Tc = temperatura cella / cold room temperature

Dimensione imballi*Packages dimensions*

Codice Code	Dimensioni imballo evaporatore Evaporator package dimensions			
	A mm	B mm	H mm	Peso Weight kg
RC1....	660	430	410	2,5
RC2....	1030	430	410	3,0
RC3....	1400	430	410	3,5
RC4....	1770	430	410	4,0



LETTURA CODICE / MODEL DESIGNATION



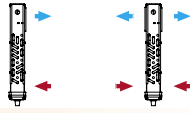
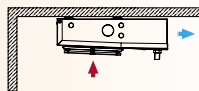
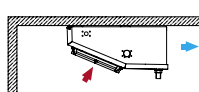
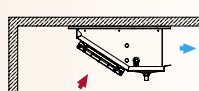
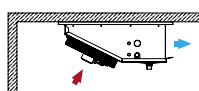
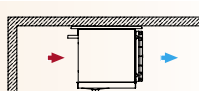
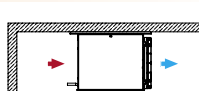
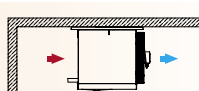
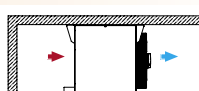
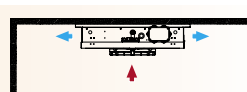
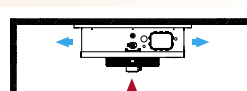
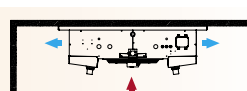
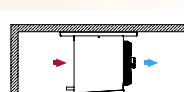
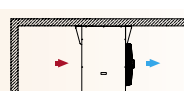
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Aeroevaporatori Rivacold

Rivacold units coolers

Serie Range	Potenza / Capacity										Ventole Fans	
	1000W	2000W	4000W	8000W	16000W	32000W	64000W	128000W	256000W			
RM	132 W											2
RS	107 - 2760 W											1 - 4
RSV	341 - 3080 W											1 - 2
RSI 250	420 - 5380 W											1 - 4
RSI 350		1440 - 11900 W										2 - 4
RC	538 - 8005 W											1 - 4
RCS	383 - 8465 W											1 - 4
RCMR 350		1670 - 23150 W										1 - 4
RCMR 450			3760 - 60900 W									1 - 4
RDF 250	374 - 6185 W											1 - 4
RDF 350		1630 - 19000 W										2 - 5
RDFR 500			3020 - 82050 W									1 - 4
RCBR 500			4020 - 73750 W									1 - 4
RCBR 630			4588 - 170569 W									1 - 4



NOTES

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A member of **RIVACOLD GROUP** 



AEROEVAPORATORI CUBICI A SOFFITTO
Ceiling cubic unit coolers



RIVACOLD

Tabella / Table

(A) RCS1250404
RCS1250404ED
RCS1250604
RCS1250604ED
RCS1250406
RCS1250406ED
RCS1250606
RCS1250606ED
RCS1250408
RCS1250408ED
RCS1250608
RCS1250608ED



(A)

(B) RCS2250404
RCS2250404ED
RCS2250604
RCS2250604ED
RCS2250406
RCS2250406ED
RCS2250606
RCS2250606ED
RCS2250408
RCS2250408ED
RCS2250608
RCS2250608ED



(B)

(C) RCS3250404
RCS3250404ED
RCS3250604
RCS3250604ED
RCS3250406
RCS3250406ED
RCS3250606
RCS3250606ED
RCS3250408
RCS3250408ED
RCS3250608
RCS3250608ED



(C)

(D) RCS4250404
RCS4250404ED
RCS4250604
RCS4250604ED
RCS4250406
RCS4250406ED
RCS4250606
RCS4250606ED
RCS4250408
RCS4250408ED
RCS4250608
RCS4250608ED



(D)

Aeroevaporatori cubici a soffitto RCS

RCS Ceiling cubic unit coolers

Caratteristiche generali

Gli aeroevaporatori della serie RCS sono stati ideati per essere installati in celle frigorifere per la conservazione di prodotti freschi e congelati.

La forma estremamente compatta, permette l'installazione anche in celle di dimensioni ridotte.

La gamma RCS è disponibile in diverse combinazioni di passi alette e ranghi opportunamente dimensionati a seconda dell'applicazione richiesta.

La versione ED, fornita di resistenze di sbrinamento già montate, è adatta per essere utilizzata alle basse temperature.

Il funzionamento in modalità aspirante del motoventilatore, evita la formazione di condensa sulla ventola.

General features

RCS range unit coolers have been designed to be installed inside cold rooms suited for fresh and frozen goods storage.

Their shape, being extremely compact, allows the installation also in cold rooms having very small dimensions.

RCS range is available in different combinations of fin spacing dimensions and tube rows properly sized according to the needed applications.

The ED version is fitted with defrosting heaters and is suitable for being used at low temperature applications.

The fan motors operate in the draw through mode and prevent the condensate forming on the fan.

Optional - Optional items

- Batteria verniciata
Varnished coil
- Resistenza per il tubo di scarico con alimentazione elettrica 220V/1/50Hz (per alimentazioni differenti contattare il nostro ufficio tecnico).

Drainage pipe heater of 220V/1/50Hz voltage (for different voltages please contact our technical dept).



Lato collegamento elettrico.
Electrical connection side.



Lato collegamento frigorifero.
Pipe connection side.

Caratteristiche costruttive



Manufacturing features

Batteria

La batteria è costruita con alette in alluminio, tubo in rame da 12 mm e geometria 37,5 x 32,5.

Gli RCS si suddividono in 3 gruppi, ognuno specifico a seconda della temperatura cella richiesta (T_c):

passo alette 4mm per T_c da -5°C a $+15^{\circ}\text{C}$;

passo alette 6mm per T_c da -20°C a $+15^{\circ}\text{C}$;

passo alette 8mm per T_c da -40°C a $+4^{\circ}\text{C}$.

Ogni gruppo è a sua volta disponibile con 4 e 6 ranghi.

La batteria viene collaudata con azoto ad una pressione di 25 bar.

Motoventilatore

Il motoventilatore utilizzato ha le seguenti caratteristiche:

- costruito nel rispetto delle norme EN 60335-1, con protezione termica interna
- diametro ventola 250mm
- alimentazione 230-240V/1/50-60Hz
- grado di protezione IP44
- classe di isolamento F
- temperatura di funzionamento da -40°C a $+40^{\circ}\text{C}$
- esecuzione elettrica conforme alla direttiva 2006/95/CE Bassa Tensione

Carenatura

È realizzata in alluminio. Le soluzioni costruttive adottate conferiscono robustezza alla carenatura e garantiscono l'assenza di vibrazioni durante il funzionamento. Le viti, le rondelle e i dadi sono di acciaio inossidabile.

Coil

The coil is made of aluminium fins, 12 mm rifled copper tube and a geometry of 37,5 x 32,5.

RCS unit coolers can be classified in three groups

according to the needed cold room temperature (T_c):

4mm fin spacing for a T_c from -5°C to $+15^{\circ}\text{C}$;

6mm fin spacing for a T_c from -20°C to $+15^{\circ}\text{C}$

8mm fin spacing for a T_c from -40°C to $+4^{\circ}\text{C}$.

Each fin spacing group is also available with 4 and 6 rows.

The coils are tested with nitrogen at a pressure of 25 bar.

Fan motor

The fan motor model in use has the following features:

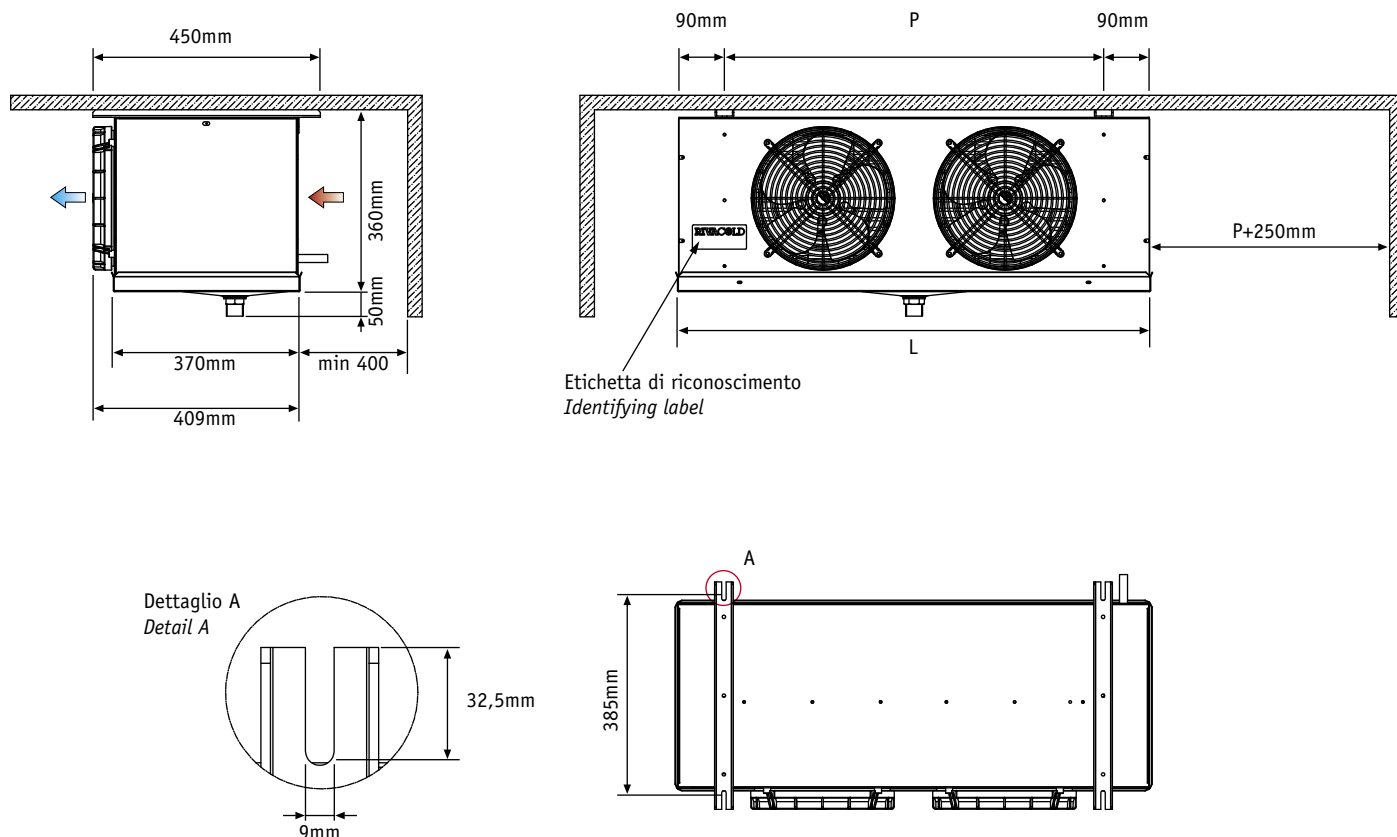
- manufactured following EN 60335-1 laws, with internal thermal protection
- fan diameter 250mm
- power supply 230-240V/1/50-60Hz
- IP44 protection rate
- F insulation class
- operating temperature from -40°C to $+40^{\circ}\text{C}$
- electrics made in conformity with 2006/95/CE Low Tension directive

Housing

The housing is made of aluminium. The manufacturing solutions used give the housing strength and guarantee the absence of vibrations during the functioning.

Screws, washers and nuts are made of stainless steel.





Serie RCS / RCS Range

Modello Model	RCS	1250404-1250404ED 1250604-1250604ED 1250406-1250406ED 1250606-1250606ED 1250408-1250408ED 1250608-1250608ED	2250404-2250404ED 2250604-2250604ED 2250406-2250406ED 2250606-2250606ED 2250408-2250408ED 2250608-2250608ED	3250404-3250404ED 3250604-3250604ED 3250406-3250406ED 3250606-3250606ED 3250408-3250408ED 3250608-3250608ED	4250404-4250404ED 4250604-4250604ED 4250406-4250406ED 4250606-4250606ED 4250408-4250408ED 4250608-4250608ED
Dimensioni Dimensions (mm)	P	380	750	1120	1490
	L	574	944	1314	1684
Attacchi Connections	ø ingresso - ø inlet	12 x 1mm - 1/2" SAE	12 x 1mm - 1/2" SAE	12 x 1mm - 1/2" SAE	16 x 1mm - 5/8" SAE
	ø uscita - ø outlet	12 x 1mm	16 x 1mm	22 x 1mm	28 x 1,5mm
	ø scarico - ø drain	1" Gas (33mm)	1" Gas (33mm)	1" Gas (33mm)	1" Gas (33mm)

Caratteristiche tecniche



Technical features

Serie RCS / RCS Range

4 mm Passo alette / Fin spacing

Modello Model	RCS	1250404 1250404ED	1250604 1250604ED	2250404 2250404ED	2250604 2250604ED	3250404 3250404ED	3250604 3250604ED	4250404 4250404ED	4250604 4250604ED
Capacità ΔT 10 T.cella +2°C Capacity ΔT 10 Room T. +2°C	kW	1,60	1,81	3,24	3,65	4,88	5,53	6,51	7,41
Portata d'aria Air flow	m ³ /h	787	701	1575	1358	2362	2037	3149	2716
Freccia d'aria Air throw	m	8	7	9	8	11	10	14	13
Superficie totale Total surface	m ²	7,03	10,5	13,9	20,8	20,7	31,1	27,6	41,3
Peso netto Net weight	vers. standard standard vers.	kg	13,8	14,5	21,9	23,3	29,8	31,9	40,6
	vers. ED ED vers.	kg	14,5	15,4	23,2	25,0	31,6	34,3	43,0

Serie RCS / RCS Range

6 mm Passo alette / Fin spacing

Modello Model	RCS	1250406 1250406ED	1250606 1250606ED	2250406 2250406ED	2250606 2250606ED	3250406 3250406ED	3250606 3250606ED	4250406 4250406ED	4250606 4250606ED
Capacità ΔT 10 T.cella +2°C Capacity ΔT 10 Room T. +2°C	kW	1,47	1,74	2,97	3,51	4,46	5,31	5,88	7,10
Portata d'aria Air flow	m ³ /h	917	809	1835	1575	2752	2362	3582	3149
Freccia d'aria Air throw	m	8	8	10	9	13	11	15	14
Superficie totale Total surface	m ²	4,9	7,3	9,6	14,4	14,3	21,4	19,0	28,5
Peso netto Net weight	vers. standard standard vers.	kg	13,2	13,6	20,7	21,5	28,0	29,2	38,2
	vers. ED ED vers.	kg	13,9	14,5	22,0	23,2	29,8	31,6	40,6

Serie RCS / RCS Range

8 mm Passo alette / Fin spacing

Modello Model	RCS	1250408 1250408ED	1250608 1250608ED	2250408 2250408ED	2250608 2250608ED	3250408 3250408ED	3250608 3250608ED	4250408 4250408ED	4250608 4250608ED
Capacità ΔT 10 T.cella -20°C Capacity ΔT 10 Room T. -20°C	kW	1,05	1,16	2,13	2,44	3,23	3,72	4,33	5,01
Portata d'aria Air flow	m ³ /h	982	874	1964	1748	2947	2622	3929	3496
Freccia d'aria Air throw	m	8	8	10	10	14	13	15	15
Superficie totale Total surface	m ²	3,8	5,7	7,4	11,2	11,1	16,7	14,8	22,2
Peso netto Net weight	vers. standard standard vers.	kg	12,9	13,1	20,1	20,6	27,1	27,9	37,0
	vers. ED ED vers.	kg	13,6	14,1	21,4	22,3	28,9	30,3	39,4

Serie RCS / RCS Range

Modello Model	RCS	1250404	1250604	2250404	2250604	3250404	3250604	4250404	4250604
		1250404ED	1250604ED	2250404ED	2250604ED	3250404ED	3250604ED	4250404ED	4250604ED
		1250406	1250606	2250406	2250606	3250406	3250606	4250406	4250606
		1250406ED	1250606ED	2250406ED	2250606ED	3250406ED	3250606ED	4250406ED	4250606ED
		1250408	1250608	2250408	2250608	3250408	3250608	4250408	4250608
		1250408ED	1250608ED	2250408ED	2250608ED	3250408ED	3250608ED	4250408ED	4250608ED
Volume circuito evaporatore Unit cooler volume circuit	dm ³	1,72	2,58	3,16	4,75	4,61	6,92	6,05	9,10
Motoventilatori Fan motors	n x Ømm	1x250	1x250	2x250	2x250	3x250	3x250	4x250	4x250
Assorbimento motori (*) Motor power consumption	A	0,35	0,35	0,70	0,70	1,05	1,05	1,40	1,40
	W	80	80	160	160	240	240	320	320
Sbrinamento elettrico (*) Electrical defrost	W	750	750	1350	1350	1950	1950	2700	2700

(*) Alimentazione elettrica: motoventilatori 230V/1/50Hz, sbrinamento elettrico predisposto per 400V/3/50Hz
Power supply: fan motors 230/1/50Hz, electrical defrost preset for 400V/3/50Hz

Scelta evaporatore

Model choice

Per una corretta scelta dell'evaporatore, utilizzare le tabelle "potenza frigorifera". Nelle tabelle vengono riportate le rese frigorifere calcolate per un range di temperatura cella (Tc) che varia in funzione del passo alette e della macchina. Per ogni passo alette si consiglia la seguente applicazione: passo alette 4 mm, utilizzo ad una Tc ≥ +2°C; passo alette 6 mm, utilizzo ad una Tc ≥ -15°C; passo alette 8 mm, utilizzo ad una Tc ≥ -40°C. Inoltre tali rese vengono calcolate in funzione di un ΔT (differenza tra la temperatura dell'aria in entrata e la temperatura di evaporazione del refrigerante) che va da 5°C a 10°C, utilizzando come refrigerante il gas R404A. I parametri per la scelta dell'evaporatore sono: la temperatura della cella, il valore di ΔT ed il carico termico. Nella colonna corrispondente alla temperatura cella desiderata, scegliamo il modello che in corrispondenza del ΔT richiesto, avrà una resa uguale o superiore al carico termico.

For a correct choice of the unit cooler, use the "refrigerating output" tables. In these tables are quoted the refrigerating capacities calculated for a cold room temperature (Tc) that changes according to the fin spacing of the unit cooler. For each different type of fin spacing we recommend to use the following applications:
4 mm fin spacing, Tc ≥ +2°C;
6 mm fin spacing, Tc ≥ -15°C;
8 mm fin spacing, Tc ≥ -40°C.
Those capacities are calculated on the base of a ΔT value (i.e. difference between the inlet air temperature and the gas evaporating temperature) from 5°C to 10°C, by using R404A gas.
The parameters valid for the unit cooler choice are the following ones: the cold room temperature, the ΔT value and the heat load.
In the column corresponding to the requested cold room temperature we will choose the model that, matching the line of the requested ΔT, will have a capacity equal or bigger than the heat load.

In caso di utilizzo di refrigeranti diversi da R404A, la resa riportata a catalogo va moltiplicata per i fattori correttivi qui sotto riportati

In case of using a different gas from R404A, the stated refrigerating capacity is to be multiplied by the following corrective factors

GAS	Fattore correttivo Corrective factor
R134a	0,91
R507	1
R407f mid	0,95
R407f dew	1,22
R407a mid	0,95
R407a dew	1,22

Potenza frigorifera

R404A



Refrigerating output

RCS1250404 RCS1250404ED

4 mm Passo alette / Fin spacing

4 Numero ranghi / Rows number

Tc	-5°C*	0°C*	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	1,49	1,59	1,60	1,61	1,63	1,64	1,66	1,70	1,76
ΔT 9 UR/RH 79% kW	1,34	1,42	1,43	1,44	1,46	1,47	1,49	1,52	1,57
ΔT 8 UR/RH 82% kW	1,17	1,24	1,25	1,26	1,27	1,28	1,30	1,33	1,38
ΔT 7 UR/RH 85% kW	1,00	1,06	1,07	1,07	1,08	1,09	1,11	1,13	1,16
ΔT 6 UR/RH 89% kW	0,83	0,89	0,90	0,90	0,91	0,92	0,94	0,96	0,99
ΔT 5 UR/RH 93% kW	0,66	0,71	0,72	0,72	0,73	0,74	0,76	0,78	0,81

RCS1250604 RCS1250604ED

4 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

Tc	-5°C*	0°C*	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	1,63	1,77	1,81	1,84	1,87	1,90	1,96	2,02	2,11
ΔT 9 UR/RH 79% kW	1,49	1,61	1,65	1,67	1,70	1,72	1,78	1,83	1,91
ΔT 8 UR/RH 82% kW	1,34	1,45	1,47	1,49	1,51	1,54	1,59	1,63	1,69
ΔT 7 UR/RH 85% kW	1,17	1,27	1,28	1,29	1,32	1,35	1,39	1,42	1,47
ΔT 6 UR/RH 89% kW	0,99	1,07	1,08	1,09	1,12	1,15	1,18	1,21	1,26
ΔT 5 UR/RH 93% kW	0,81	0,89	0,90	0,91	0,93	0,96	0,99	1,02	1,07

RCS2250404 RCS2250404ED

4 mm Passo alette / Fin spacing

4 Numero ranghi / Rows number

Tc	-5°C*	0°C*	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	3,04	3,21	3,24	3,25	3,28	3,29	3,33	3,42	3,56
ΔT 9 UR/RH 79% kW	2,71	2,86	2,88	2,90	2,92	2,94	2,99	3,04	3,12
ΔT 8 UR/RH 82% kW	2,37	2,50	2,51	2,53	2,55	2,58	2,61	2,65	2,71
ΔT 7 UR/RH 85% kW	2,02	2,13	2,14	2,15	2,16	2,18	2,22	2,25	2,30
ΔT 6 UR/RH 89% kW	1,67	1,77	1,78	1,79	1,81	1,83	1,87	1,90	1,95
ΔT 5 UR/RH 93% kW	1,33	1,41	1,42	1,43	1,45	1,48	1,51	1,55	1,61

RCS2250604 RCS2250604ED

4 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

Tc	-5°C*	0°C*	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	3,32	3,58	3,65	3,71	3,76	3,82	3,91	4,03	4,21
ΔT 9 UR/RH 79% kW	3,02	3,25	3,31	3,35	3,40	3,44	3,55	3,64	3,78
ΔT 8 UR/RH 82% kW	2,70	2,90	2,94	2,97	3,00	3,06	3,16	3,24	3,36
ΔT 7 UR/RH 85% kW	2,35	2,53	2,55	2,57	2,62	2,68	2,75	2,82	2,93
ΔT 6 UR/RH 89% kW	2,01	2,16	2,18	2,19	2,23	2,31	2,37	2,44	2,55
ΔT 5 UR/RH 93% kW	1,65	1,78	1,80	1,83	1,87	1,92	1,98	2,05	2,16

Tc = temperatura cella / cold room temperature

(*) Per modelli passo alette 4 mm, si consiglia un utilizzo ad una Tc ≥ +2°C / For 4 mm fin spacing models we recommend to use the application Tc ≥ +2°C

RCS3250404 RCS3250404ED

4 mm Passo alette / *Fin spacing*

4 Numero ranghi / *Rows number*

Tc	-5°C*	0°C*	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	4,58	4,84	4,88	4,90	4,93	4,95	5,01	5,13	5,31
ΔT 9 UR/RH 79% kW	4,08	4,30	4,33	4,34	4,37	4,42	4,49	4,56	4,67
ΔT 8 UR/RH 82% kW	3,56	3,76	3,77	3,79	3,82	3,86	3,91	3,97	4,06
ΔT 7 UR/RH 85% kW	3,03	3,19	3,20	3,22	3,24	3,27	3,32	3,37	3,45
ΔT 6 UR/RH 89% kW	2,51	2,66	2,68	2,70	2,72	2,75	2,79	2,85	2,94
ΔT 5 UR/RH 93% kW	1,99	2,12	2,13	2,15	2,17	2,21	2,27	2,32	2,40

RCS3250604 RCS3250604ED

4 mm Passo alette / *Fin spacing*

6 Numero ranghi / *Rows number*

Tc	-5°C*	0°C*	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	5,04	5,43	5,53	5,61	5,69	5,77	5,90	6,07	6,33
ΔT 9 UR/RH 79% kW	4,57	4,92	5,00	5,06	5,13	5,19	5,36	5,49	5,69
ΔT 8 UR/RH 82% kW	4,08	4,39	4,44	4,48	4,53	4,61	4,76	4,88	5,06
ΔT 7 UR/RH 85% kW	3,55	3,81	3,85	3,87	3,95	4,03	4,13	4,23	4,38
ΔT 6 UR/RH 89% kW	3,03	3,26	3,28	3,30	3,35	3,47	3,57	3,67	3,82
ΔT 5 UR/RH 93% kW	2,48	2,68	2,71	2,75	2,81	2,89	2,98	3,07	3,21

RCS4250404 RCS4250404ED

4 mm Passo alette / *Fin spacing*

4 Numero ranghi / *Rows number*

Tc	-5°C*	0°C*	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	6,13	6,46	6,51	6,54	6,59	6,60	6,68	6,85	7,11
ΔT 9 UR/RH 79% kW	5,45	5,75	5,78	5,79	5,83	5,89	5,99	6,08	6,22
ΔT 8 UR/RH 82% kW	4,76	5,01	5,03	5,06	5,10	5,15	5,22	5,30	5,42
ΔT 7 UR/RH 85% kW	4,05	4,26	4,28	4,30	4,33	4,36	4,42	4,50	4,62
ΔT 6 UR/RH 89% kW	3,35	3,55	3,57	3,60	3,63	3,66	3,73	3,80	3,91
ΔT 5 UR/RH 93% kW	2,65	2,82	2,84	2,86	2,89	2,95	3,02	3,09	3,20

RCS4250604 RCS4250604ED

4 mm Passo alette / *Fin spacing*

6 Numero ranghi / *Rows number*

Tc	-5°C*	0°C*	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	6,76	7,28	7,41	7,52	7,61	7,72	7,89	8,12	8,47
ΔT 9 UR/RH 79% kW	6,13	6,59	6,69	6,78	6,86	6,94	7,16	7,33	7,59
ΔT 8 UR/RH 82% kW	5,46	5,87	5,94	5,99	6,05	6,16	6,36	6,51	6,74
ΔT 7 UR/RH 85% kW	4,75	5,10	5,14	5,17	5,21	5,39	5,51	5,66	5,89
ΔT 6 UR/RH 89% kW	4,05	4,36	4,38	4,40	4,46	4,64	4,76	4,89	5,09
ΔT 5 UR/RH 93% kW	3,31	3,58	3,63	3,68	3,74	3,85	3,98	4,10	4,28

Tc = temperatura cella / *cold room temperature*

(*) Per modelli passo alette 4 mm, si consiglia un utilizzo ad una Tc ≥ +2°C / *For 4 mm fin spacing models we recommend to use the application Tc ≥ +2°C*

Potenza frigorifera

R404A



Refrigerating output

RCS1250406 RCS1250406ED		6 mm Passo alette / Fin spacing								4 Numero ranghi / Rows number			
Tc		-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	1,15	1,23	1,30	1,38	1,46	1,47	1,48	1,50	1,51	1,52	1,56	1,62
ΔT 9 UR/RH 79%	kW	1,04	1,11	1,17	1,23	1,30	1,31	1,32	1,33	1,35	1,37	1,39	1,42
ΔT 8 UR/RH 82%	kW	0,92	0,97	1,02	1,08	1,14	1,15	1,16	1,17	1,18	1,19	1,22	1,27
ΔT 7 UR/RH 85%	kW	0,79	0,83	0,87	0,92	0,97	0,98	0,98	0,99	1,00	1,02	1,03	1,05
ΔT 6 UR/RH 89%	kW	0,66	0,69	0,73	0,76	0,81	0,82	0,82	0,83	0,84	0,86	0,88	0,91
ΔT 5 UR/RH 93%	kW	0,53	0,55	0,58	0,61	0,65	0,66	0,66	0,67	0,68	0,70	0,72	0,75

RCS1250606 RCS1250606ED		6 mm Passo alette / Fin spacing								6 Numero ranghi / Rows number			
Tc		-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	1,22	1,34	1,46	1,58	1,71	1,74	1,77	1,80	1,82	1,87	1,93	2,02
ΔT 9 UR/RH 79%	kW	1,13	1,22	1,33	1,44	1,55	1,58	1,60	1,62	1,65	1,70	1,74	1,80
ΔT 8 UR/RH 82%	kW	1,02	1,10	1,19	1,28	1,38	1,40	1,42	1,44	1,47	1,51	1,55	1,61
ΔT 7 UR/RH 85%	kW	0,90	0,97	1,04	1,12	1,21	1,22	1,23	1,24	1,28	1,32	1,35	1,40
ΔT 6 UR/RH 89%	kW	0,78	0,83	0,88	0,96	1,03	1,04	1,05	1,07	1,11	1,14	1,17	1,22
ΔT 5 UR/RH 93%	kW	0,64	0,68	0,72	0,77	0,84	0,85	0,86	0,88	0,91	0,94	0,97	1,02

RCS2250406 RCS2250406ED		6 mm Passo alette / Fin spacing								4 Numero ranghi / Rows number			
Tc		-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	2,38	2,52	2,66	2,79	2,95	2,97	2,99	3,01	3,03	3,05	3,13	3,25
ΔT 9 UR/RH 79%	kW	2,14	2,26	2,37	2,49	2,62	2,64	2,66	2,68	2,71	2,74	2,78	2,84
ΔT 8 UR/RH 82%	kW	1,88	1,98	2,04	2,14	2,26	2,27	2,29	2,31	2,33	2,36	2,40	2,46
ΔT 7 UR/RH 85%	kW	1,62	1,69	1,74	1,82	1,92	1,93	1,94	1,95	1,97	2,00	2,04	2,10
ΔT 6 UR/RH 89%	kW	1,34	1,38	1,44	1,51	1,60	1,61	1,62	1,64	1,66	1,69	1,72	1,77
ΔT 5 UR/RH 93%	kW	1,06	1,09	1,14	1,20	1,28	1,29	1,30	1,31	1,34	1,37	1,41	1,47

RCS2250606 RCS2250606ED		6 mm Passo alette / Fin spacing								6 Numero ranghi / Rows number			
Tc		-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	2,56	2,80	2,98	3,21	3,45	3,51	3,62	3,66	3,71	3,79	3,91	4,09
ΔT 9 UR/RH 79%	kW	2,35	2,55	2,71	2,91	3,12	3,17	3,21	3,25	3,29	3,39	3,47	3,59
ΔT 8 UR/RH 82%	kW	2,12	2,29	2,42	2,59	2,78	2,81	2,83	2,86	2,91	3,01	3,08	3,19
ΔT 7 UR/RH 85%	kW	1,87	1,98	2,11	2,25	2,41	2,43	2,45	2,50	2,55	2,61	2,67	2,76
ΔT 6 UR/RH 89%	kW	1,60	1,68	1,79	1,91	2,06	2,08	2,10	2,13	2,19	2,25	2,31	2,40
ΔT 5 UR/RH 93%	kW	1,30	1,37	1,46	1,56	1,69	1,71	1,74	1,77	1,82	1,88	1,94	2,03

Tc = temperatura cella / cold room temperature

(*) Per modelli passo alette 6 mm, si consiglia un utilizzo ad una Tc ≥ -15°C / For 6 mm fin spacing models we recommend to use the application Tc ≥ -15°C

RCS3250406 RCS3250406ED

6 mm Passo alette / Fin spacing

4 Numero ranghi / Rows number

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	3,62	3,82	4,01	4,15	4,43	4,46	4,49	4,52	4,53	4,58	4,70	4,88
ΔT 9 UR/RH 79%	kW	3,24	3,41	3,52	3,69	3,89	3,91	3,92	3,95	4,00	4,05	4,12	4,23
ΔT 8 UR/RH 82%	kW	2,85	2,98	3,07	3,22	3,39	3,41	3,43	3,45	3,48	3,53	3,59	3,68
ΔT 7 UR/RH 85%	kW	2,44	2,54	2,61	2,74	2,88	2,89	2,91	2,93	2,95	3,00	3,05	3,13
ΔT 6 UR/RH 89%	kW	2,02	2,08	2,16	2,27	2,40	2,42	2,44	2,46	2,48	2,53	2,58	2,66
ΔT 5 UR/RH 93%	kW	1,59	1,63	1,70	1,80	1,91	1,92	1,94	1,96	2,01	2,06	2,11	2,19

RCS3250606 RCS3250606ED

6 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	3,91	4,27	4,53	4,86	5,22	5,31	5,38	5,45	5,52	5,63	5,79	6,03
ΔT 9 UR/RH 79%	kW	3,59	3,89	4,11	4,40	4,72	4,78	4,84	4,90	4,95	5,11	5,23	5,41
ΔT 8 UR/RH 82%	kW	3,24	3,48	3,66	3,91	4,19	4,24	4,27	4,32	4,39	4,53	4,64	4,81
ΔT 7 UR/RH 85%	kW	2,85	3,00	3,19	3,39	3,64	3,67	3,68	3,71	3,83	3,92	4,02	4,17
ΔT 6 UR/RH 89%	kW	2,43	2,55	2,71	2,88	3,10	3,11	3,13	3,17	3,29	3,38	3,47	3,61
ΔT 5 UR/RH 93%	kW	1,96	2,07	2,20	2,35	2,54	2,57	2,61	2,66	2,73	2,82	2,91	3,05

RCS4250406 RCS4250406ED

6 mm Passo alette / Fin spacing

4 Numero ranghi / Rows number

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	4,85	5,11	5,36	5,55	5,84	5,88	5,91	5,95	5,96	6,03	6,18	6,41
ΔT 9 UR/RH 79%	kW	4,35	4,56	4,71	4,93	5,19	5,22	5,23	5,27	5,34	5,41	5,50	5,64
ΔT 8 UR/RH 82%	kW	3,82	3,99	4,10	4,30	4,53	4,56	4,59	4,63	4,67	4,71	4,79	4,91
ΔT 7 UR/RH 85%	kW	3,27	3,40	3,49	3,65	3,84	3,86	3,88	3,90	3,93	4,00	4,07	4,18
ΔT 6 UR/RH 89%	kW	2,70	2,77	2,88	3,02	3,20	3,22	3,25	3,28	3,31	3,37	3,44	3,55
ΔT 5 UR/RH 93%	kW	2,10	2,18	2,27	2,39	2,55	2,56	2,58	2,61	2,67	2,74	2,81	2,92

RCS4250606 RCS4250606ED

6 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	5,27	5,74	6,09	6,52	6,99	7,10	7,20	7,29	7,38	7,52	7,75	8,10
ΔT 9 UR/RH 79%	kW	4,84	5,22	5,52	5,89	6,31	6,40	6,47	6,55	6,62	6,83	6,98	7,21
ΔT 8 UR/RH 82%	kW	4,35	4,60	4,91	5,23	5,60	5,66	5,71	5,77	5,86	6,05	6,19	6,40
ΔT 7 UR/RH 85%	kW	3,82	4,02	4,27	4,54	4,86	4,89	4,93	5,02	5,12	5,24	5,36	5,54
ΔT 6 UR/RH 89%	kW	3,27	3,41	3,61	3,85	4,14	4,16	4,18	4,23	4,39	4,51	4,63	4,81
ΔT 5 UR/RH 93%	kW	2,62	2,78	2,94	3,14	3,40	3,44	3,49	3,54	3,65	3,76	3,88	4,06

Tc = temperatura cella / cold room temperature

(*) Per modelli passo alette 6 mm, si consiglia un utilizzo ad una Tc ≥ -15°C / For 6 mm fin spacing models we recommend to use the application Tc ≥ -15°C

Potenza frigorifera

R404A



Refrigerating output

RCS1250408 RCS1250408ED

8 mm Passo alette / Fin spacing

4 Numero ranghi / Rows number

Tc		-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76%	kW	0,70	0,79	0,89	0,98	1,05	1,10	1,16	1,22	1,28	1,29	1,30
ΔT 9 UR/RH 79%	kW	0,65	0,73	0,82	0,89	0,95	0,99	1,03	1,08	1,14	1,15	1,16
ΔT 8 UR/RH 82%	kW	0,60	0,67	0,73	0,79	0,83	0,87	0,90	0,95	1,00	1,01	1,01
ΔT 7 UR/RH 85%	kW	0,54	0,59	0,64	0,68	0,71	0,74	0,77	0,81	0,85	0,86	0,86
ΔT 6 UR/RH 89%	kW	0,46	0,50	0,54	0,57	0,59	0,61	0,64	0,67	0,71	0,72	0,72
ΔT 5 UR/RH 93%	kW	0,38	0,41	0,43	0,45	0,47	0,49	0,51	0,54	0,57	0,58	0,58

RCS1250608 RCS1250608ED

8 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

Tc		-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76%	kW	0,70	0,80	0,90	1,03	1,16	1,27	1,36	1,46	1,57	1,60	1,62
ΔT 9 UR/RH 79%	kW	0,66	0,75	0,84	0,96	1,07	1,16	1,24	1,33	1,42	1,45	1,46
ΔT 8 UR/RH 82%	kW	0,60	0,69	0,78	0,88	0,96	1,04	1,10	1,18	1,27	1,28	1,29
ΔT 7 UR/RH 85%	kW	0,53	0,62	0,70	0,78	0,85	0,90	0,96	1,03	1,10	1,11	1,12
ΔT 6 UR/RH 89%	kW	0,48	0,55	0,62	0,68	0,73	0,77	0,82	0,88	0,94	0,95	0,95
ΔT 5 UR/RH 93%	kW	0,41	0,47	0,52	0,56	0,59	0,63	0,67	0,72	0,78	0,79	0,80

RCS2250408 RCS2250408ED

8 mm Passo alette / Fin spacing

4 Numero ranghi / Rows number

Tc		-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76%	kW	1,51	1,69	1,87	2,03	2,13	2,25	2,35	2,45	2,58	2,60	2,61
ΔT 9 UR/RH 79%	kW	1,40	1,55	1,70	1,83	1,91	2,00	2,09	2,18	2,28	2,30	2,31
ΔT 8 UR/RH 82%	kW	1,28	1,40	1,52	1,60	1,68	1,75	1,82	1,90	2,00	2,01	2,02
ΔT 7 UR/RH 85%	kW	1,16	1,23	1,30	1,38	1,44	1,49	1,55	1,62	1,70	1,71	1,72
ΔT 6 UR/RH 89%	kW	0,97	1,03	1,09	1,15	1,19	1,23	1,28	1,34	1,42	1,43	1,44
ΔT 5 UR/RH 93%	kW	0,79	0,83	0,87	0,90	0,94	0,97	1,01	1,07	1,14	1,15	1,15

RCS2250608 RCS2250608ED

8 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

Tc		-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76%	kW	1,48	1,71	1,94	2,20	2,44	2,61	2,81	3,00	3,21	3,26	3,30
ΔT 9 UR/RH 79%	kW	1,33	1,57	1,81	2,03	2,23	2,38	2,54	2,71	2,90	2,93	2,96
ΔT 8 UR/RH 82%	kW	1,24	1,45	1,66	1,85	2,00	2,12	2,26	2,40	2,57	2,60	2,62
ΔT 7 UR/RH 85%	kW	1,15	1,32	1,49	1,64	1,74	1,85	1,96	2,08	2,23	2,24	2,26
ΔT 6 UR/RH 89%	kW	1,03	1,16	1,29	1,39	1,49	1,57	1,66	1,77	1,90	1,92	1,95
ΔT 5 UR/RH 93%	kW	0,88	0,98	1,08	1,14	1,21	1,28	1,35	1,44	1,56	1,57	1,60

Tc = temperatura cella / cold room temperature

RCS3250408 RCS3250408ED

8 mm Passo alette / Fin spacing

4 Numero ranghi / Rows number

Tc		-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76%	kW	2,32	2,59	2,86	3,05	3,23	3,39	3,54	3,69	3,87	3,90	3,91
ΔT 9 UR/RH 79%	kW	2,15	2,37	2,59	2,75	2,89	3,02	3,14	3,28	3,44	3,46	3,48
ΔT 8 UR/RH 82%	kW	1,97	2,13	2,29	2,42	2,53	2,63	2,74	2,86	3,00	3,01	3,03
ΔT 7 UR/RH 85%	kW	1,72	1,85	1,98	2,08	2,16	2,24	2,33	2,43	2,55	2,56	2,57
ΔT 6 UR/RH 89%	kW	1,47	1,56	1,65	1,73	1,79	1,85	1,92	2,01	2,13	2,14	2,16
ΔT 5 UR/RH 93%	kW	1,18	1,25	1,32	1,36	1,41	1,46	1,52	1,60	1,70	1,71	1,72

RCS3250608 RCS3250608ED

8 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

Tc		-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76%	kW	2,25	2,62	2,99	3,38	3,72	3,98	4,26	4,54	4,85	4,92	4,98
ΔT 9 UR/RH 79%	kW	2,07	2,43	2,79	3,12	3,40	3,61	3,85	4,09	4,37	4,42	4,47
ΔT 8 UR/RH 82%	kW	1,95	2,25	2,55	2,82	3,02	3,22	3,42	3,63	3,87	3,91	3,94
ΔT 7 UR/RH 85%	kW	1,78	2,03	2,28	2,49	2,64	2,80	2,97	3,14	3,35	3,37	3,39
ΔT 6 UR/RH 89%	kW	1,58	1,78	1,98	2,11	2,25	2,37	2,51	2,66	2,85	2,86	2,88
ΔT 5 UR/RH 93%	kW	1,38	1,50	1,62	1,73	1,83	1,93	2,04	2,17	2,34	2,37	2,40

RCS4250408 RCS4250408ED

8 mm Passo alette / Fin spacing

4 Numero ranghi / Rows number

Tc		-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76%	kW	3,14	3,49	3,84	4,10	4,33	4,53	4,72	4,93	5,17	5,20	5,22
ΔT 9 UR/RH 79%	kW	2,93	3,19	3,45	3,68	3,87	4,03	4,20	4,37	4,59	4,61	4,62
ΔT 8 UR/RH 82%	kW	2,61	2,84	3,07	3,24	3,39	3,52	3,65	3,81	4,00	4,03	4,06
ΔT 7 UR/RH 85%	kW	2,30	2,48	2,66	2,78	2,89	2,99	3,10	3,24	3,40	3,42	3,44
ΔT 6 UR/RH 89%	kW	1,99	2,10	2,21	2,31	2,39	2,47	2,56	2,68	2,84	2,86	2,88
ΔT 5 UR/RH 93%	kW	1,60	1,68	1,76	1,82	1,88	1,92	2,00	2,10	2,24	2,26	2,28

RCS4250608 RCS4250608ED

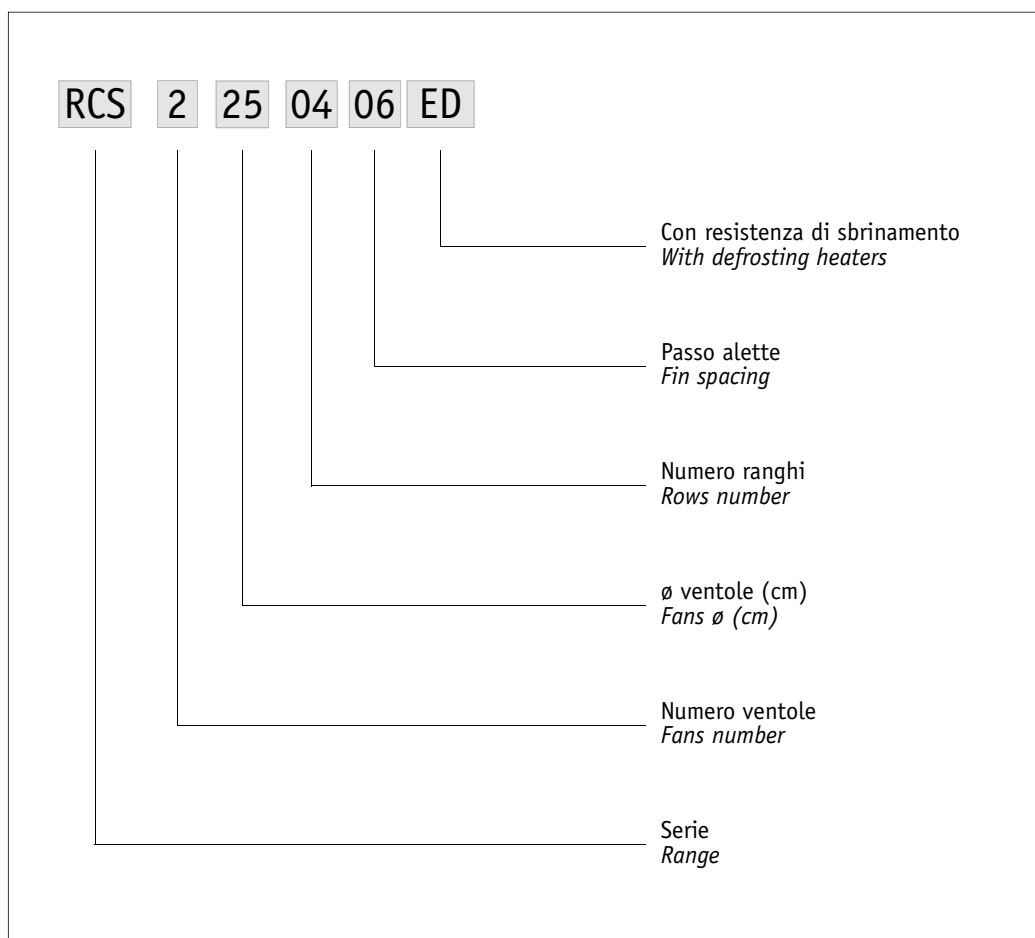
8 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

Tc		-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76%	kW	2,97	3,51	4,05	4,56	5,01	5,34	5,71	6,08	6,49	6,58	6,65
ΔT 9 UR/RH 79%	kW	2,81	3,29	3,77	4,20	4,52	4,84	5,16	5,48	5,84	5,91	5,97
ΔT 8 UR/RH 82%	kW	2,62	3,03	3,44	3,80	4,05	4,32	4,57	4,85	5,18	5,22	5,26
ΔT 7 UR/RH 85%	kW	2,41	2,74	3,07	3,31	3,54	3,75	3,97	4,20	4,48	4,51	4,53
ΔT 6 UR/RH 89%	kW	2,19	2,41	2,63	2,84	3,01	3,18	3,35	3,56	3,81	3,86	3,91
ΔT 5 UR/RH 93%	kW	1,86	2,02	2,18	2,32	2,45	2,57	2,72	2,90	3,12	3,16	3,20

Tc = temperatura cella / cold room temperature

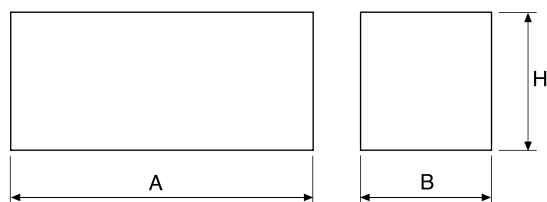
LETTURA CODICE / MODEL DESIGNATION



Dimensioni imballi

Packages dimensions

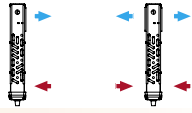
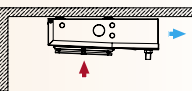
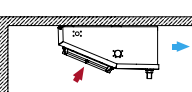
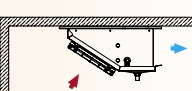
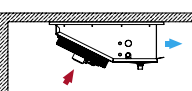
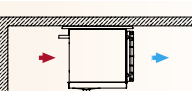
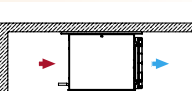
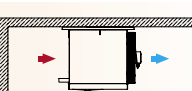
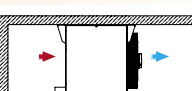
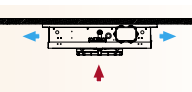
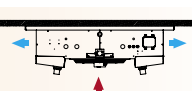
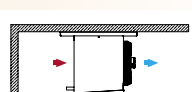
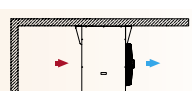
Codice Code	Dimensioni imballo evaporatore Evaporator package dimensions			
	A mm	B mm	H mm	Peso Weight kg
RCS1250.....	660	470	410	3,1
RCS2250.....	1030	470	410	3,6
RCS3250.....	1400	470	410	4,1
RCS4250.....	1770	470	410	4,6



Per ulteriori informazioni, contattare il nostro ufficio tecnico / For further information, please contact our technical dept

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Descriptions, technical data and pictures are to be considered as a guide and not binding. Rivacold reserves the right to change in whole or part, the specification detailed in this documentation without prior notice and, when necessary to achieve continuous productions, to use alternative manufactures of components for design accomplishment.

Serie Range	Potenza / Capacity										Ventole Fans	
	1000W	2000W	4000W	8000W	16000W	32000W	64000W	128000W	256000W			
RM	132 W											2
RS	107 - 2760 W											1 - 4
RSV	341 - 3080 W											1 - 2
RSI 250	420 - 5830 W											1 - 4
RSI 350		1440 - 11900 W										2 - 4
RC	538 - 8005 W											1 - 4
RCS	383 - 8465 W											1 - 4
RCMR 350		1670 - 23150 W										1 - 4
RCMR 450			3760 - 60900 W									1 - 4
RDF 250	374 - 6185 W											1 - 4
RDF 350		1630 - 19000 W										2 - 5
RDFR 500			3020 - 82050 W									1 - 4
RCBR 500			4020 - 73750 W									1 - 4
RCBR 630			4588 - 170569 W									1 - 4

RIVACOLD s.r.l.

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A Member of **RIVACOLD GROUP** 



AEROEVAPORATORI CUBICI A SOFFITTO

tubo rigato

Ceiling cubic unit coolers

rifled tube

Ø 350_450



RIVACOLD

Tabella / Table

(A)	RCMR1350604
	RCMR1350604ED
	RCMR1350606
	RCMR1350606ED
	RCMR1350608
	RCMR1350608ED
(B)	RCMR2350404
	RCMR2350404ED
	RCMR2350804
	RCMR2350804ED
	RCMR2350406
	RCMR2350406ED
	RCMR2350806
	RCMR2350806ED
	RCMR2350408
	RCMR2350408ED
(C)	RCMR3350604
	RCMR3350604ED
	RCMR3350606
	RCMR3350606ED
	RCMR3350608
	RCMR3350608ED
(D)	RCMR4350604
	RCMR4350604ED
	RCMR4350606
	RCMR4350606ED
	RCMR4350608
	RCMR4350608ED



(A)



(B)



(C)



(D)

Ø 350

Aeroevaporatori cubici a soffitto RCMR tubo rigato

RIVACOLD

RCMR Ceiling cubic unit coolers rifled tubes

Caratteristiche generali

Gli aeroevaporatori della serie RCMR Ø350 sono stati ideati per essere installati in celle frigorifere per la conservazione di prodotti freschi e congelati.

Questa gamma completa le applicazioni della gamma RC e RCS pur mantenendo dimensioni compatte, arriva a coprire rese maggiori adatte per applicazioni su celle di media grandezza.

La gamma RCMR Ø350 è disponibile in diverse combinazioni di passi alette e ranghi opportunamente dimensionati a seconda dell'applicazione richiesta.

Tutti i modelli sono realizzati con geometria 37,5 x 32,5 e tubo da 12 mm rigato.

La serie ED, fornita di resistenze di sbrinamento già montate, è adatta per essere utilizzata alle basse temperature.

Il funzionamento in modalità aspirante del motoventilatore, evita la formazione di condensa sulla ventola.

General features

RCMR Ø350 range unit coolers have been designed to be installed inside cold rooms suited for fresh and frozen goods storage. This range completes the RC and RCS range applications and though having extremely compact dimensions, reaches bigger capacities suited for medium size cold rooms.

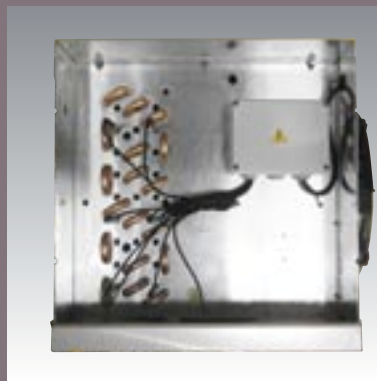
RCMR Ø350 range is available in different combinations of fin spacing dimensions and tube rows properly sized according to the needed applications. All models are built with a geometry of 37,5 x 32,5 and 12mm rifled tube.

The ED version is supplied with mounted defrosting heaters and is suitable for being used at low temperature applications.

The fan motors operate in the draw through mode and prevent the condensate forming on the fan.

Optional - Optional items

- Batteria verniciata
Varnished coil
- Resistenza per il tubo di scarico con alimentazione elettrica 220V/1/50Hz (per alimentazioni differenti consultare il nostro ufficio tecnico).
Drainage pipe heater of 220V/1/50Hz voltages (for different voltages please contact our technical dept).



Lato collegamento elettrico
electrical connection side.



Lato collegamento frigorifero
pipe connection side.

Caratteristiche costruttive

Manufacturing features

Batteria

La batteria è costituita da alette in alluminio, tubo in rame da 12mm rigato e geometria 37,5 x 32,5.

Gli RCMR ø350 si suddividono in tre gruppi, ognuno specifico a seconda della temperatura della richiesta (Tc): passo alette 4mm per Tc da -5°C a +15°C; passo alette 6mm per Tc da -20°C a +15°C; passo alette 8mm per Tc da -40°C a +4°C. La batteria viene collaudata con azoto da una pressione di 25 bar.

Motoventilatore

Il motoventilatore utilizzato ha le seguenti caratteristiche:

- costruito nel rispetto delle norme EN 60335-1, con protezione termica interna
- diametro ventola 350 mm, rotore esterno
- alimentazione 230-240V/1/50-60Hz
- grado di protezione IP44
- classe di isolamento F
- temperatura di funzionamento da -40°C a +65°C
- esecuzione elettrica conforme alla direttiva 2006/95/CE Bassa Tensione

Carenatura

È realizzata in alluminio. Le soluzioni costruttive adottate conferiscono robustezza alla carenatura e garantiscono l'assenza di vibrazioni durante il funzionamento. Le viti, le rondelle e i dadi sono in acciaio inossidabile.

Ø 350



Coil

The coil is made in aluminum fins, 12mm rifled copper tube and a geometry of 37,5 x 32,5.

RCMR ø350 unit coolers can be classified in three groups according to the needed cold room temperature (Tc): 4mm fin spacing for a Tc from -5°C to +15°C; 6mm fin spacing for a Tc from -20°C to +15°C; 8mm fin spacing for a Tc from -40°C to +4°C.

The coils are tested with nitrogen at a pressure of 25 bar.

Fan motors

The fan motor models in use has the following features:

- manufactured following EN 60335-1 laws, with internal thermal protection
- fan diameter 350 mm, external rotor
- power supply 230-240V/1/50-60Hz
- IP44 protection rate
- F insulation class
- operating temperature from -40°C to +65°C
- electrics made in conformity with 2006/95/CE low tension directive

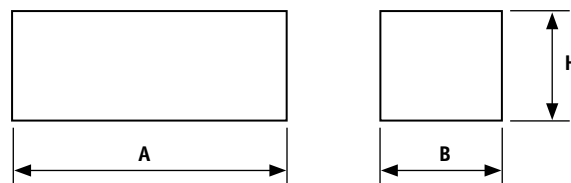
Housing

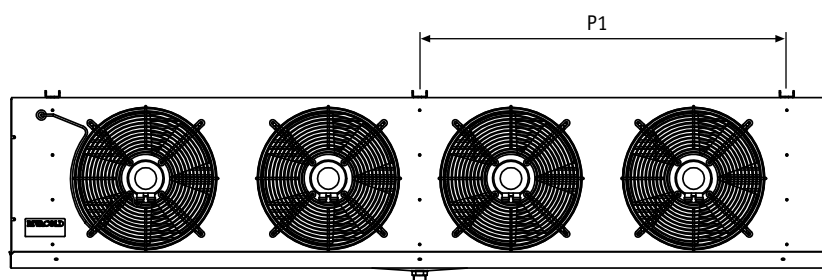
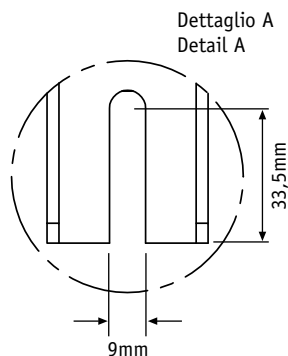
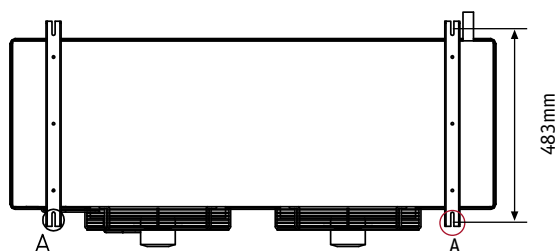
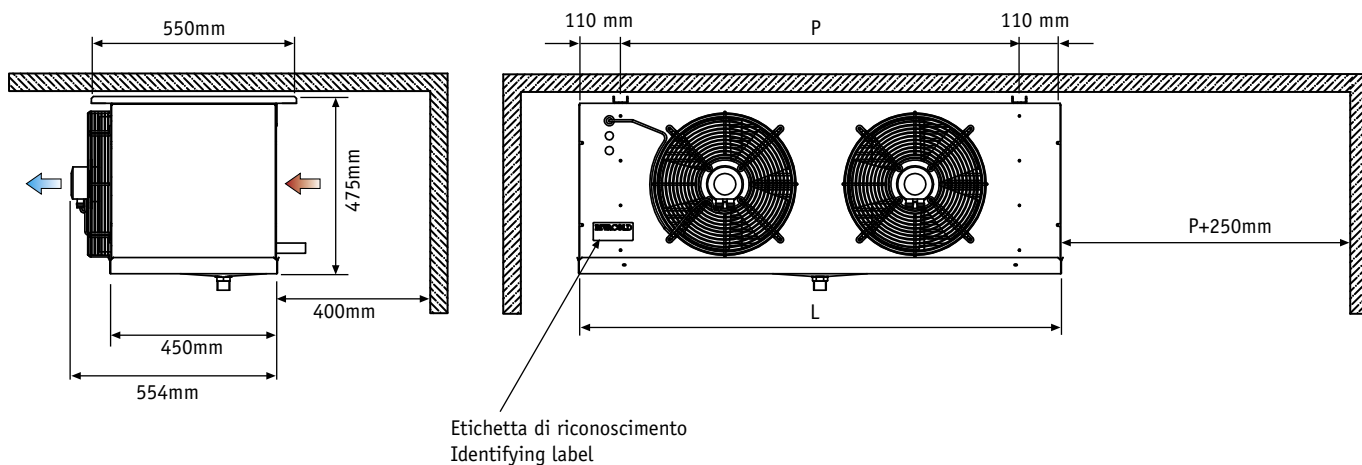
The housing is made of aluminium. The manufacturing solutions used give the housing strength and guarantee the absence of vibrations during the functioning. Screws, washers and nuts are made of stainless steel.

Dimensione imballi

Packages dimensions

Codice Code	Dimensioni imballo evaporatore Evaporator package dimensions			
	A mm	B mm	H mm	Peso Weight kg
RCMR1350....	990	715	600	7,2
RCMR2350....	1350	715	600	12,0
RCMR3350....	1800	715	600	15,0
RCMR4350....	2250	715	600	18,0





Serie RCMR / RCMR Range

Modello Model	RCMR	1350604 1350606 1350608	1350604ED 1350606ED 1350608ED	2350404 2350406 2350408	2350404ED 2350406ED 2350408ED	2350804 2350806 2350808	2350804ED 2350806ED 2350808ED	3350604 3350606 3350608	3350604ED 3350606ED 3350608ED	4350604 4350606 4350608	4350604ED 4350606ED 4350608ED
Dimensioni Dimensions (mm)	P	710		1070		1070		1520		1970	
	P1	-		-		-		-		985	
	L	944		1304		1304		1754		2204	
Attacchi Connections	Ø ingresso Ø inlet	12x1mm 1/2" SAE		12x1mm 1/2" SAE		16x1mm 5/8" SAE		22 x 1mm		28 x 1,5mm	
	Ø uscita Ø outlet	22 x 1mm		28 x 1,5mm		28 x 1,5mm		35 x 1,5mm		42 x 1,5mm	
	Ø scarico Ø drain	1" Gas (33mm)		1"Gas (33mm)		1"Gas (33mm)		1"Gas (33mm)		1"Gas (33mm)	

Caratteristiche costruttive

Ø 350



Technical features

Serie RCMR / RCMR Range

4 mm Passo alette / Fin spacing

Modello Model	RCMR	1350604 1350604ED	2350404 2350404ED	2350804 2350804ED	3350604 3350604ED	4350604 4350604ED
Capacità ΔT 10 T.cella +2°C Capacity ΔT 10 Room T. +2°C	kW	6,40	9,43	11,30	15,40	20,70
Portata d'aria Air flow	m ³ /h	2081,5	4078	3150	4978	6637,5
Freccia d'aria Air throw	m	10	14	14	15	18
Superficie totale Total surface	m ²	23,90	24,30	48,60	52,00	67,60
Peso netto Net weight	vers. standard standard vers.	kg	28,24	37,71	48,66	61,29
	vers. ED ED vers.	kg	30,14	40,21	51,16	64,89

Serie RCMR / RCMR Range

6 mm Passo alette / Fin spacing

Modello Model	RCMR	1350606 1350606ED	2350406 2350406ED	2350806 2350806ED	3350606 3350606ED	4350606 4350606ED
Capacità ΔT 10 T.cella +2°C Capacity ΔT 10 Room T. +2°C	kW	5,76	8,15	11,20	15,00	20,10
Portata d'aria Air flow	m ³ /h	2170,5	4287	3656,5	5990	7987,5
Freccia d'aria Air throw	m	11	14	14	16	21
Superficie totale Total surface	m ²	16,50	16,80	33,50	35,90	46,70
Peso netto Net weight	vers. standard standard vers.	kg	26,16	35,60	46,55	56,76
	vers. ED ED vers.	kg	28,06	38,10	49,05	60,36

Serie RCMR / RCMR Range

8 mm Passo alette / Fin spacing

Modello Model	RCMR	1350608 1350608ED	2350408 2350408ED	2350808 2350808ED	3350608 3350608ED	4350608 4350608ED
Capacità ΔT 10 T.cella -20°C Capacity ΔT 10 Room T. -20°C	kW	3,99	5,84	8,30	10,90	14,90
Portata d'aria Air flow	m ³ /h	2251,5	4503	4162,5	6497	8662,5
Freccia d'aria Air throw	m	11	14	14	18	23
Superficie totale Total surface	m ²	12,80	13,00	26,00	27,90	36,20
Peso netto Net weight	vers. standard standard vers.	kg	25,12	34,54	44,44	54,51
	vers. ED ED vers.	kg	27,02	37,04	46,94	58,11

Serie RCMR / RCMR Range

Modello Model	RCMR	1350604 1350604ED	2350404 2350404ED	2350804 2350804ED	3350604 3350604ED	4350604 4350604ED
		1350606 1350606ED	2350406 2350406ED	2350806 2350806ED	3350606 3350606ED	4350606 4350606ED
		1350608 1350608ED	2350408 2350408ED	2350808 2350808ED	3350608 3350608ED	4350608 4350608ED
Volume circuito evaporatore Unit cooler volume circuit	dm ³	5,35	5,26	10,60	11,10	14,30
Motoventilatori Fan motors	n x Ømm	1x350	2x350	2x350	3x350	4x350
Assorbimento motori (*) Motor power consumption	A	0,58	1,16	1,16	1,74	2,32
	W	130	260	260	390	520
Sbrinamento elettrico (*) Electrical defrost	W	2250	2500	3900	4646	6060

(*) Alimentazione elettrica: motoventilatori 230V/1/50Hz, sbrinamento elettrico predisposto per 400/3/50Hz
Power supply: fan motors 230/1/50Hz, electrical defrost present for 400/3/50Hz

Scelta evaporatore

Model choice

Per una corretta scelta dell'evaporatore, utilizzare le tabelle "potenza frigorifera". Nelle tabelle vengono riportate le rese frigorifere calcolate per un range di temperatura cella (Tc) che varia in funzione del passo alette della macchina. Per ogni passo alette si consiglia la seguente applicazione:

passo alette 4 mm, utilizzo ad una Tc ≥ +2°C;
passo alette 6 mm, utilizzo ad una Tc ≥ -15°C;
passo alette 8 mm, utilizzo ad una Tc ≥ -35°C.
Inoltre tali rese vengono calcolate in funzione di un ΔT (differenza tra la temperatura dell'aria in entrata e la temperatura di evaporazione del refrigerante) che va da 5°C a 10°C, utilizzando come refrigerante il gas R404A.

Impiegando altri refrigeranti, la capacità va moltiplicata per il fattore correttivo di seguito riportato: R134a = 0,91; R507/R404A = 1.

I parametri per la scelta dell'evaporatore sono: la temperatura della cella, il valore ΔT ed il carico termico. Nella colonna corrispondente alla temperatura cella desiderata, sceglieremo il modello che in corrispondenza del ΔT richiesto, avrà una resa uguale o superiore al carico termico.

For a correct choice of the unit cooler, use the "refrigerating output" tables.

In these tables are quoted the refrigerating capacities calculated for a cold room temperature (Tc) that changes according to the, fin spacing of the unit cooler. For each different type of fin spacing we recommend to use the following applications: 4 mm fin spacing, Tc ≥ +2°C; 6 mm fin spacing, Tc ≥ -15°C; 8 mm fin spacing, Tc ≥ -35°C. Those capacities are calculated on the base of a ΔT value (i.e. difference between the inlet air temperature and the gas evaporating temperature) from 5°C to 10°C, by using R404A gas.

In case of a different gas in use, the capacity is to be multiplied by the relevant corrective factor: R134a = 0,91; R507/R404A = 1.

The parameters valid for the unit cooler choice are the following ones: the cold room temperature, the ΔT value and the heat load.

In the column corresponding to the requested cold room temperature we will choose the model that, matching the line of the requested ΔT, will have a capacity equal or bigger than the heat load.

Potenza frigorifera

R404A

Ø 350



Refrigerating output

RCMR1350604 RCMR1350604ED

4 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

Tc	-5°C*	0°C*	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	5,85	6,28	6,40	6,51	6,62	6,74	6,88	7,08	7,38
ΔT 9 UR/RH 79% kW	5,37	5,78	5,88	5,98	6,07	6,19	6,35	6,52	6,78
ΔT 8 UR/RH 82% kW	4,87	5,24	5,33	5,41	5,50	5,61	5,78	5,94	6,18
ΔT 7 UR/RH 85% kW	4,35	4,69	4,76	4,81	4,91	5,04	5,18	5,33	5,56
ΔT 6 UR/RH 89% kW	3,78	4,10	4,16	4,21	4,29	4,44	4,58	4,74	4,98
ΔT 5 UR/RH 93% kW	3,25	3,54	3,59	3,65	3,76	3,89	4,03	4,17	4,38

RCMR2350404 RCMR2350404ED

4 mm Passo alette / Fin spacing

4 Numero ranghi / Rows number

Tc	-5°C*	0°C*	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	8,85	9,33	9,43	9,52	9,61	9,76	9,86	10,10	10,46
ΔT 9 UR/RH 79% kW	7,97	8,41	8,50	8,57	8,67	8,77	8,95	9,13	9,40
ΔT 8 UR/RH 82% kW	7,16	7,58	7,64	7,69	7,81	7,89	8,09	8,26	8,52
ΔT 7 UR/RH 85% kW	6,33	6,72	6,76	6,81	6,89	7,04	7,19	7,36	7,62
ΔT 6 UR/RH 89% kW	5,53	5,89	5,93	5,99	6,07	6,25	6,40	6,57	6,83
ΔT 5 UR/RH 93% kW	4,70	5,04	5,07	5,14	5,28	5,42	5,58	5,76	6,03

RCMR2350804 RCMR2350804ED

4 mm Passo alette / Fin spacing

8 Numero ranghi / Rows number

Tc	-5°C*	0°C*	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	10,30	11,00	11,30	11,50	11,70	11,90	12,10	12,50	13,10
ΔT 9 UR/RH 79% kW	9,46	10,20	10,30	10,50	10,70	10,90	11,20	11,50	11,95
ΔT 8 UR/RH 82% kW	8,56	9,21	9,37	9,52	9,66	9,86	10,20	10,50	10,95
ΔT 7 UR/RH 85% kW	7,49	8,08	8,21	8,32	8,45	8,69	8,95	9,23	9,65
ΔT 6 UR/RH 89% kW	6,59	7,15	7,26	7,36	7,51	7,78	8,03	8,32	8,76
ΔT 5 UR/RH 93% kW	5,67	6,19	6,27	6,37	6,58	6,82	7,07	7,35	7,77

Tc = temperatura cella / cold room temperature

(*) Per modelli passo alette 4mm, si consiglia un utilizzo ad una Tc ≥ +2°C - For 4mm fin spacing models we recommend to use the application Tc ≥ +2°C



Ø 350

R404A

Potenza frigorifera

Refrigerating output

RIVACOLD

RCMR3350604 RCMR3350604ED

4 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

Tc	-5°C*	0°C*	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	14,20	15,10	15,40	15,60	15,80	16,00	16,30	16,80	17,55
ΔT 9 UR/RH 79% kW	13,00	13,80	14,10	14,20	14,40	14,70	15,00	15,40	16,00
ΔT 8 UR/RH 82% kW	11,70	12,50	12,70	12,80	13,00	13,20	13,60	14,00	14,60
ΔT 7 UR/RH 85% kW	10,40	11,10	11,30	11,40	11,60	11,90	12,20	12,50	12,95
ΔT 6 UR/RH 89% kW	9,13	9,83	9,94	10,10	10,20	10,60	10,90	11,20	11,65
ΔT 5 UR/RH 93% kW	7,81	8,47	8,55	8,68	8,93	9,22	9,54	9,87	10,37

RCMR4350604 RCMR4350604ED

4 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

Tc	-5°C*	0°C*	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	19,30	20,40	20,70	21,00	21,20	21,50	21,90	22,40	23,15
ΔT 9 UR/RH 79% kW	17,60	18,70	18,90	19,10	19,30	19,70	20,10	20,60	21,35
ΔT 8 UR/RH 82% kW	15,80	16,80	17,00	17,20	17,40	17,70	18,20	18,70	19,45
ΔT 7 UR/RH 85% kW	14,00	15,00	15,10	15,20	15,50	15,80	16,20	16,70	17,45
ΔT 6 UR/RH 89% kW	12,30	13,20	13,30	13,40	13,70	14,10	14,50	14,90	15,50
ΔT 5 UR/RH 93% kW	10,50	11,30	11,40	11,60	11,90	12,30	12,70	13,10	13,70

Tc = temperatura cella / cold room temperature

(*) Per modelli passo alette 4mm, si consiglia un utilizzo ad una Tc ≥ +2°C - For 4mm fin spacing models we recommend to use the application Tc ≥ +2°C

Potenza frigorifera

R404A

Ø 350



Refrigerating output

RCMR1350606 RCMR1350606ED

6 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	4,37	4,67	4,97	5,29	5,66	5,76	5,86	5,94	6,05	6,17	6,34	6,60
ΔT 9 UR/RH 79%	kW	4,02	4,29	4,52	4,81	5,16	5,24	5,32	5,40	5,50	5,64	5,79	6,02
ΔT 8 UR/RH 82%	kW	3,66	3,86	4,09	4,35	4,67	4,74	4,81	4,88	4,97	5,12	5,27	5,50
ΔT 7 UR/RH 85%	kW	3,27	3,44	3,64	3,87	4,17	4,22	4,27	4,35	4,46	4,59	4,72	4,92
ΔT 6 UR/RH 89%	kW	2,85	3,01	3,19	3,41	3,68	3,73	3,78	3,85	3,98	4,11	4,24	4,44
ΔT 5 UR/RH 93%	kW	2,43	2,56	2,72	2,92	3,17	3,22	3,27	3,37	3,48	3,61	3,74	3,94

RCMR2350406 RCMR2350406ED

6 mm Passo alette / Fin spacing

4 Numero ranghi / Rows number

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	6,71	6,99	7,30	7,65	8,06	8,15	8,23	8,30	8,44	8,52	8,72	9,02
ΔT 9 UR/RH 79%	kW	6,09	6,36	6,64	6,96	7,35	7,42	7,48	7,57	7,66	7,82	7,98	8,22
ΔT 8 UR/RH 82%	kW	5,49	5,71	5,96	6,25	6,61	6,67	6,72	6,81	6,89	7,07	7,22	7,45
ΔT 7 UR/RH 85%	kW	4,84	5,04	5,26	5,52	5,86	5,90	5,94	6,02	6,15	6,29	6,43	6,64
ΔT 6 UR/RH 89%	kW	4,20	4,36	4,56	4,81	5,14	5,17	5,23	5,30	5,45	5,59	5,74	5,97
ΔT 5 UR/RH 93%	kW	3,54	3,68	3,86	4,09	4,40	4,43	4,49	4,61	4,74	4,88	5,03	5,26

RCMR2350806 RCMR2350806ED

6 mm Passo alette / Fin spacing

8 Numero ranghi / Rows number

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	8,71	9,21	9,65	10,30	11,00	11,20	11,30	11,50	11,70	11,90	12,30	12,90
ΔT 9 UR/RH 79%	kW	8,04	8,46	8,84	9,39	10,10	10,20	10,40	10,50	10,70	11,00	11,30	11,75
ΔT 8 UR/RH 82%	kW	7,32	7,56	8,00	8,50	9,12	9,26	9,39	9,53	9,71	10,00	10,30	10,75
ΔT 7 UR/RH 85%	kW	6,46	6,73	7,11	7,57	8,12	8,25	8,35	8,48	8,71	8,96	9,23	9,64
ΔT 6 UR/RH 89%	kW	5,66	5,89	6,23	6,65	7,19	7,28	7,38	7,52	7,78	8,03	8,30	8,71
ΔT 5 UR/RH 93%	kW	4,76	5,01	5,30	5,69	6,20	6,28	6,37	6,58	6,81	7,06	7,32	7,71

Tc = temperatura cella / cold room temperature

(*) Per modelli passo alette 6mm, si consiglia un utilizzo ad una Tc ≥ -15°C - For 6mm fin spacing models we recommend to use the application Tc ≥ -15°C



Ø 350

R404A

Potenza frigorifera

Refrigerating output

RIVACOLD

RCMR3350606 RCMR3350606ED

6 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	11,80	12,40	13,10	13,90	14,70	15,00	15,20	15,30	15,60	15,80	16,20	16,80
ΔT 9 UR/RH 79% kW	10,70	11,40	12,00	12,70	13,50	13,70	13,80	14,00	14,20	14,60	14,90	15,35
ΔT 8 UR/RH 82% kW	9,74	10,30	10,80	11,40	12,20	12,30	12,50	12,70	12,80	13,20	13,50	13,95
ΔT 7 UR/RH 85% kW	8,68	9,12	9,59	10,10	10,80	11,00	11,10	11,20	11,50	11,80	12,10	12,55
ΔT 6 UR/RH 89% kW	7,57	7,95	8,37	8,88	9,54	9,64	9,75	9,92	10,20	10,50	10,80	11,25
ΔT 5 UR/RH 93% kW	6,42	6,73	7,11	7,58	8,21	8,28	8,40	8,64	8,92	9,22	9,53	10,00

RCMR4350606 RCMR4350606ED

6 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	16,30	17,10	17,90	18,80	19,90	20,10	20,40	20,60	20,90	21,20	21,70	22,45
ΔT 9 UR/RH 79% kW	14,90	15,60	16,30	17,10	18,10	18,40	18,50	18,70	19,00	19,50	19,90	20,50
ΔT 8 UR/RH 82% kW	13,40	14,00	14,60	15,40	16,30	16,50	16,70	16,90	17,10	17,60	18,00	18,60
ΔT 7 UR/RH 85% kW	11,90	12,40	12,80	13,40	14,30	14,40	14,60	14,80	15,10	15,50	15,90	16,50
ΔT 6 UR/RH 89% kW	10,30	10,60	11,10	11,70	12,60	12,70	12,80	13,00	13,40	13,80	14,20	14,80
ΔT 5 UR/RH 93% kW	8,70	8,95	9,39	10,00	10,80	10,90	11,00	11,30	11,70	12,10	12,50	13,10

Tc = temperatura cella / cold room temperature

(*) Per modelli passo alette 6mm, si consiglia un utilizzo ad una Tc ≥ -15°C - For 6mm fin spacing models we recommend to use the application Tc ≥ -15°C

Potenza frigorifera

R404A

Ø 350



Refrigerating output

RCMR1350608 RCMR1350608ED

6 mm Passo alette / Fin spacing

8 Numero ranghi / Rows number

Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76% kW	2,62	2,99	3,37	3,70	3,99	4,24	4,45	4,71	5,02	5,09	5,17
ΔT 9 UR/RH 79% kW	2,47	2,81	3,14	3,43	3,67	3,86	4,07	4,31	4,59	4,66	4,72
ΔT 8 UR/RH 82% kW	2,31	2,61	2,89	3,13	3,31	3,48	3,67	3,89	4,15	4,21	4,26
ΔT 7 UR/RH 85% kW	2,12	2,38	2,61	2,79	2,95	3,09	3,26	3,45	3,70	3,74	3,79
ΔT 6 UR/RH 89% kW	1,91	2,12	2,30	2,45	2,57	2,70	2,84	3,03	3,26	3,30	3,34
ΔT 5 UR/RH 93% kW	1,67	1,84	1,97	2,08	2,18	2,29	2,42	2,59	2,81	2,84	2,89

RCMR2350408 RCMR2350408ED

8 mm Passo alette / Fin spacing

4 Numero ranghi / Rows number

Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76% kW	4,42	4,85	5,25	5,58	5,84	6,07	6,31	6,58	6,92	6,99	7,05
ΔT 9 UR/RH 79% kW	4,11	4,49	4,84	5,10	5,31	5,52	5,73	5,98	6,30	6,36	6,41
ΔT 8 UR/RH 82% kW	3,79	4,10	4,38	4,59	4,77	4,94	5,13	5,37	5,66	5,72	5,75
ΔT 7 UR/RH 85% kW	3,42	3,68	3,90	4,06	4,20	4,35	4,52	4,74	5,02	5,05	5,09
ΔT 6 UR/RH 89% kW	3,02	3,23	3,39	3,52	3,63	3,74	3,89	4,10	4,37	4,40	4,45
ΔT 5 UR/RH 93% kW	2,59	2,74	2,86	2,95	3,03	3,14	3,29	3,48	3,74	3,77	3,82

RCMR2350808 RCMR2350808ED

8 mm Passo alette / Fin spacing

8 Numero ranghi / Rows number

Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76% kW	5,43	6,19	6,98	7,70	8,30	8,82	9,33	9,87	10,5	10,70	10,80
ΔT 9 UR/RH 79% kW	5,12	5,83	6,52	7,12	7,63	8,08	8,52	9,02	9,63	9,78	9,90
ΔT 8 UR/RH 82% kW	4,79	5,42	6,01	6,50	6,93	7,30	7,70	8,15	8,70	8,83	8,94
ΔT 7 UR/RH 85% kW	4,41	4,95	5,43	5,84	6,18	6,49	6,83	7,24	7,75	7,85	7,94
ΔT 6 UR/RH 89% kW	3,98	4,43	4,81	5,13	5,40	5,67	5,97	6,36	6,85	6,93	7,01
ΔT 5 UR/RH 93% kW	3,50	3,84	4,13	4,37	4,58	4,74	5,02	5,37	5,83	5,89	5,98

Tc = temperatura cella / cold room temperature



Ø 350

R404A

Potenza frigorifera

Refrigerating output

RIVACOLD

RCMR3350608 RCMR3350608ED

8 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76% kW	7,49	8,44	9,40	10,20	10,90	11,50	12,00	12,60	13,30	13,50	13,60
ΔT 9 UR/RH 79% kW	7,03	7,90	8,73	9,44	10,00	10,50	10,90	11,50	12,20	12,30	12,40
ΔT 8 UR/RH 82% kW	6,53	7,30	7,99	8,56	9,04	9,36	9,80	10,30	11,00	11,10	11,20
ΔT 7 UR/RH 85% kW	5,98	6,63	7,20	7,64	8,03	8,29	8,67	9,15	9,73	9,83	9,92
ΔT 6 UR/RH 89% kW	5,35	5,88	6,33	6,68	6,98	7,20	7,56	8,00	8,56	8,65	8,75
ΔT 5 UR/RH 93% kW	4,67	5,06	5,39	5,65	5,84	6,09	6,41	6,82	7,36	7,43	7,53

RCMR4350608 RCMR4350608ED

8 mm Passo alette / Fin spacing

6 Numero ranghi / Rows number

Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76% kW	11,20	12,30	13,40	14,30	14,90	15,60	16,20	16,90	17,80	18,10	18,20
ΔT 9 UR/RH 79% kW	10,40	11,40	12,40	13,10	13,60	14,10	14,70	15,40	16,30	16,50	16,60
ΔT 8 UR/RH 82% kW	9,61	10,50	11,30	11,70	12,20	12,70	13,20	13,80	14,70	14,80	14,90
ΔT 7 UR/RH 85% kW	8,70	9,44	10,10	10,40	10,80	11,20	11,60	12,20	13,00	13,10	13,20
ΔT 6 UR/RH 89% kW	7,72	8,29	8,68	9,02	9,35	9,70	10,10	10,70	11,40	11,50	11,60
ΔT 5 UR/RH 93% kW	6,65	7,01	7,34	7,60	7,85	8,16	8,56	9,09	9,78	9,86	10,00

Tc = temperatura cella / cold room temperature

Tabella / Table

(A) RCMR1450804
RCMR1450804ED
RCMR1450806
RCMR1450806ED
RCMR1450808
RCMR1450808ED

(B) RCMR2450604
RCMR2450604ED
RCMR2450804
RCMR2450804ED
RCMR2450606
RCMR2450606ED
RCMR2450806
RCMR2450806ED
RCMR2450608
RCMR2450608ED
RCMR2450808
RCMR2450808ED

(C) RCMR3450604
RCMR3450604ED
RCMR3450804
RCMR3450804ED
RCMR3450606
RCMR3450606ED
RCMR3450806
RCMR3450806ED
RCMR3450608
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RCMR3450808
RCMR3450808ED

(D) RCMR4450604
RCMR4450604ED
RCMR4450804
RCMR4450804ED
RCMR4450606
RCMR4450606ED
RCMR4450806
RCMR4450806ED
RCMR4450608
RCMR4450608ED
RCMR4450808
RCMR4450808ED



(A)



(B)



(C)



(D)

Ø 450

Aeroevaporatori cubici a soffitto RCMR tubo rigato

RIVACOLD

RCMR Ceiling cubic unit coolers rifled tubes

Caratteristiche generali

Gli aeroevaporatori della serie RCMR Ø450 sono stati ideati per essere installati in celle frigorifere per la conservazione di prodotti freschi e congelati.

Questa gamma completa le applicazioni della gamma RC, RCS ed RCMR Ø350 pur mantenendo dimensioni compatte, arriva a coprire rese maggiori adatte per applicazioni su celle di media grandezza.

La gamma RCMR Ø450 è disponibile in diverse combinazioni di passi alette e ranghi opportunamente dimensionati a seconda dell'applicazione richiesta.

Tutti i modelli sono realizzati con geometria 37,5 x 32,5 e tubo da 12 mm rigato.

La serie ED, fornita di resistenze di sbrinamento già montate, è adatta per essere utilizzata alle basse temperature.

Il funzionamento in modalità aspirante del motoventilatore, evita la formazione di condensa sulla ventola.

General features

RCMR Ø450 range unit coolers have been designed to be installed inside cold rooms suited for fresh and frozen goods storage. This range completes the RC, RCS and RCMR Ø350 range applications and though having extremely compact dimensions, reaches bigger capacities suited for medium size cold rooms.

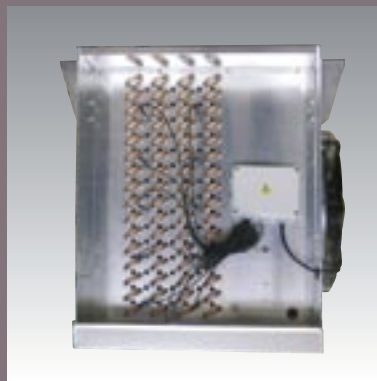
RCMR Ø450 range is available in different combinations of fin spacing dimensions and tube rows properly sized according to the needed applications. All models are built with a geometry of 37,5 x 32,5 and 12mm rifled tube.

The ED version is supplied with mounted defrosting heaters and is suitable for being used at low temperature applications.

The fan motors operate in the draw through mode and prevent the condensate forming on the fan.

Optional - Optional items

- Batteria verniciata
Varnished coil
- Resistenza per il tubo di scarico con alimentazione elettrica 220V/1/50Hz (per alimentazioni differenti consultare il nostro ufficio tecnico).
Drainage pipe heater of 220V/1/50Hz voltages (for different voltages please contact our technical dept).



Lato collegamento elettrico.
Electrical connection side.



Lato collegamento frigorifero.
Pipe connection side.

Caratteristiche costruttive

Ø 450



Manufacturing features

Batteria

La batteria è costituita da alette in alluminio, tubo in rame da 12mm rigato e geometria 37,5 x 32,5.

Gli RCMR Ø450 si suddividono in tre gruppi, ognuno specifico a seconda della temperatura cella richiesta (Tc):

passo alette 4mm per Tc da -5°C a +15°C; passo alette 6mm per Tc da -20°C a +15°C; passo alette 8mm per Tc da -40°C a +4°C

La batteria viene collaudata con azoto da una pressione di 25 bar.

Motoventilatore

Il motoventilatore utilizzato ha le seguenti caratteristiche:

- costruito nel rispetto delle norme EN 60335-1, con protezione termica interna
- diametro ventola 450 mm, rotore esterno
- alimentazione 230/1/50-60Hz
- grado di protezione IP54
- classe di isolamento F
- temperatura di funzionamento da -40°C a +65°C
- esecuzione elettrica conforme alla direttiva 2006/95/CE Bassa Tensione

Carenatura

È realizzata in alluminio. Le soluzioni costruttive adottate conferiscono robustezza alla carenatura e garantiscono l'assenza di vibrazioni durante il funzionamento. Le viti, le rondelle e i dadi sono in acciaio inossidabile.

Coil

The coil is made in aluminium fins, 12mm rifled copper tube and a geometry of 37,5 x 32,5.

RCMR Ø450 unit coolers can be classified in three groups according to the needed cold room temperature (Tc): 4mm fin spacing for a Tc from -5°C to +15°C; 6mm fin spacing for a Tc from -20°C to +15°C; 8mm fin spacing for a Tc from -40°C to +4°C.

The coils are tested with nitrogen at a pressure of 25 bar.

Fan motors

The fan motor models in use has the following features:

- manufactured following EN 60335-1 laws, with internal thermal protection
- fan diameter 450mm, external rotor
- power supply 230/1/50-60Hz
- IP54 protection rate
- F insulation class
- operating temperature from -40°C to +65°C
- electrics made in conformity with 2006/95/CE low tension directive

Housing

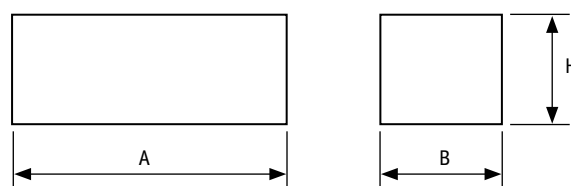
The housing is made of aluminium. The manufacturing solutions used give the housing strength and guarantee the absence of vibrations during the functioning. Screws, washers and nuts are made of stainless steel.

Dimensione imballi

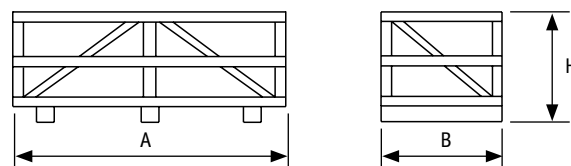
Packages dimensions

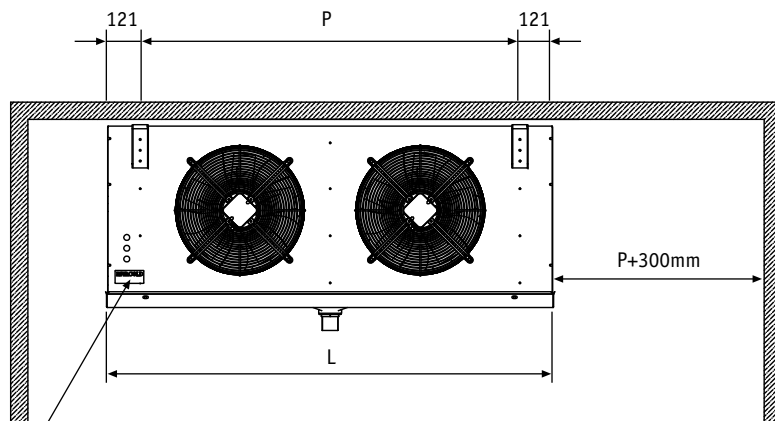
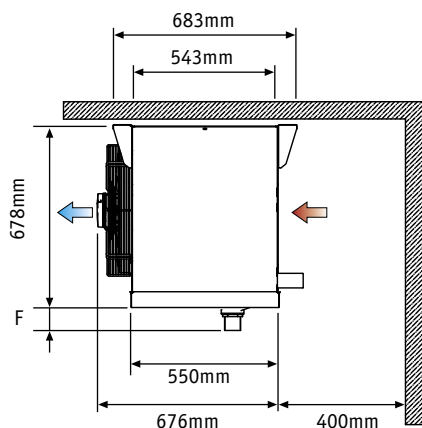
Codice Code	Dimensioni imballo evaporatore Evaporator package dimensions				Disegno Drawing
	A mm	B mm	H mm	Peso Weight kg	
RCMR1450....	1240	875	840	20,2	1
RCMR2450....	1790	875	840	22,8	1
RCMR3450....	2340	930	1010	68	2
RCMR4450....	2840	930	1010	80	2

Disegno 1
Drawing 1



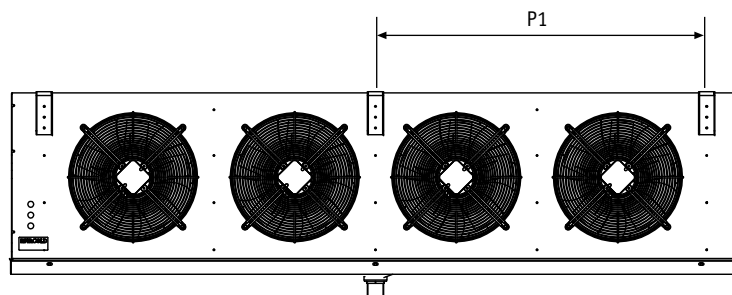
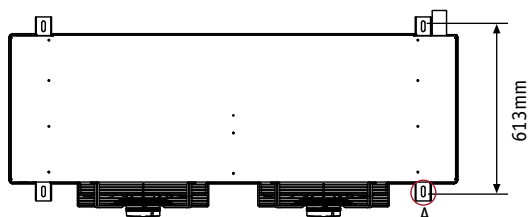
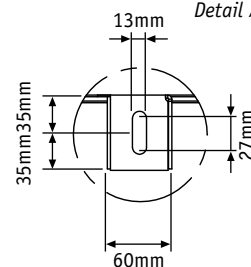
Disegno 2
Drawing 2





Etichetta di riconoscimento
Identifying label

Dettaglio A
Detail A



Serie RCMR / RCMR Range

Modello Model	RCMR	1450804 1450806 1450808	1450804ED 1450806ED 1450808ED	2450604 2450606 2450608	2450604ED 2450606ED 2450608ED	3450604 3450606 3450608	3450604ED 3450606ED 3450608ED	4450604 4450606 4450608	4450604ED 4450606ED 4450608ED	4450804 4450806 4450808	4450804ED 4450806ED 4450808ED
Dimensioni Dimensions (mm)	P	860		1410		1960		2460		2460	
	P1	-		-		-		1230		1230	
	L	1118		1668		2218		2718		2718	
	F	50		86		86		86		86	
Attacchi Connections	Ø ingresso Ø inlet	22 x 1mm		28 x 1,5mm		35 x 1,5mm		35 x 1,5mm		35 x 1,5mm	
	Ø uscita Ø outlet	35 x 1,5mm		54 x 2mm		54 x 2mm		54 x 2mm		67 x 2,5mm	
	Ø scarico Ø drain	1" Gas (33mm)		2" Gas		2" Gas		2" Gas		2" Gas	

Caratteristiche costruttive

Ø 450



Manufacturing features

Serie RCMR / RCMR Range

4 mm Passo alette / Fin spacing

Modello Model	RCMR	1450804 1450804ED	2450604 2450604ED	2450804 2450804ED	3450604 3450604ED	3450804 3450804ED	4450604 4450604ED	4450804 4450804ED
Capacità ΔT 10 T.cella +2°C Capacity ΔT 10 Room T. +2°C	kW	14,84	26,68	28,14	39,02	39,40	48,10	53,30
Portata d'aria Air flow	m ³ /h	4767,5	9535,0	8767,5	14014,5	12575,5	18302,5	16383,7
Freccia d'aria Air throw	m	20	23	22	25	25	27	26
Superficie totale Total surface	m ²	59,2	74,9	99,9	105,0	141,0	133,0	178,0
Peso netto Net weight	vers. standard standard vers.	kg	63,1	88,5	101	123,4	139,1	178,5
	vers. ED ED vers.	kg	66,3	98,3	110,8	136,3	152,0	187,1

Serie RCMR / RCMR Range

6 mm Passo alette / Fin spacing

Modello Model	RCMR	1450806 1450806ED	2450606 2450606ED	2450806 2450806ED	3450606 3450606ED	3450806 3450806ED	4450606 4450606ED	4450806 4450806ED
Capacità ΔT 10 T.cella +2°C Capacity ΔT 10 Room T. +2°C	kW	14,52	25,32	27,58	36,64	39,14	44,98	52,22
Portata d'aria Air flow	m ³ /h	5439,0	10878,0	9919,0	16029,5	14590,5	20605,0	19070
Freccia d'aria Air throw	m	21	24	23	27	26	29	28
Superficie totale Total surface	m ²	40,8	51,7	68,9	72,7	97,0	91,9	123,0
Peso netto Net weight	vers. standard standard vers.	kg	57,9	82,0	92,3	114,2	126,9	163,0
	vers. ED ED vers.	kg	61,1	91,8	102,1	127,1	139,8	171,6

Serie RCMR / RCMR Range

8 mm Passo alette / Fin spacing

Modello Model	RCMR	1450808 1450808ED	2450608 24506048ED	2450808 2450808ED	3450608 3450608ED	3450808 3450808ED	4450608 4450608ED	4450808 4450808ED
Capacità ΔT 10 T.cella -20°C Capacity ΔT 10 Room T. -20°C	kW	9,44	17,80	19,00	26,40	26,30	31,00	37,20
Portata d'aria Air flow	m ³ /h	5823,0	11645,5	11070,0	17180,5	16029,5	22140,0	20605,0
Freccia d'aria Air throw	m	21	24	23	27	26	29	28
Superficie totale Total surface	m ²	31,7	40,1	53,5	56,5	75,3	71,4	95,2
Peso netto Net weight	vers. standard standard vers.	kg	55,3	78,7	88,0	109,6	120,8	155,3
	vers. ED ED vers.	kg	58,5	88,5	97,8	122,5	133,7	163,9

Serie RCMR / RCMR Range

Modello Model	RCMR	1450804 1450804ED	2450604 2450604ED	2450804 2450804ED	3450604 3450604ED	3450804 3450804ED	4450604 4450604ED	4450804 4450804ED
		1450806 1450806ED	2450606 2450606ED	2450806 2450806ED	3450606 3450606ED	3450806 3450806ED	4450606 4450606ED	4450806 4450806ED
		1450808 1450808ED	2450608 2450608ED	2450808 2450808ED	3450608 3450608ED	3450808 3450808ED	4450608 4450608ED	4450808 4450808ED
Volume circuito evaporatore Unit cooler volume circuit	dm ³	13,1	16,1	21,5	22,3	29,4	28,1	37,4
Motoventilatori Fan motors	n x Ømm	1x450	2x450	2x450	3x450	3x450	4x450	4x450
Assorbimento motori (*) Motor power consumption	A	2,36	4,72	4,72	7,08	7,08	9,44	9,44
	W	490	980	980	1470	1470	1960	1960
Sbrinamento elettrico (*) Electrical defrost	W	3960	6600	6600	8700	8700	9240	9240

(*) Alimentazione elettrica: motoventilatori 230V/1/50Hz, sbrinamento elettrico predisposto per 400V/3/50Hz
Power supply: fan motors 230V/1/50Hz, electrical defrost present for 400V/3/50Hz

Scelta evaporatore

Model choice

Per una corretta scelta dell'evaporatore, utilizzare le tabelle "potenza frigorifera". Nelle tabelle vengono riportate le rese frigorifere calcolate per un range di temperatura cella (Tc) che varia in funzione del passo alette della macchina. Per ogni passo alette si consiglia la seguente applicazione:

passo alette 4 mm, utilizzo ad una Tc $\geq +2^{\circ}\text{C}$;
passo alette 6 mm, utilizzo ad una Tc $\geq -15^{\circ}\text{C}$;
passo alette 8 mm, utilizzo ad una Tc $\geq -35^{\circ}\text{C}$.
Inoltre tali rese vengono calcolate in funzione di un ΔT (differenza tra la temperatura dell'aria in entrata e la temperatura di evaporazione del refrigerante) che va da 5°C a 10°C , utilizzando come refrigerante il gas R404A.

Impiegando altri refrigeranti, la capacità va moltiplicata per il fattore correttivo di seguito riportato: R134a = 0,91; R507/R404A = 1.

I parametri per la scelta dell'evaporatore sono: la temperatura della cella, il valore ΔT ed il carico termico. Nella colonna corrispondente alla temperatura cella desiderata, sceglieremo il modello che in corrispondenza del ΔT richiesto, avrà una resa uguale o superiore al carico termico.

For a correct choice of the unit cooler, use the "refrigerating output" tables.

In these tables are quoted the refrigerating capacities calculated for a cold room temperature (Tc) that changes according to the, fin spacing of the unit cooler. For each different type of fin spacing we recommend to use the following applications: 4 mm fin spacing, Tc $\geq +2^{\circ}\text{C}$; 6 mm fin spacing, Tc $\geq -15^{\circ}\text{C}$; 8 mm fin spacing, Tc $\geq -35^{\circ}\text{C}$. Those capacities are calculated on the base of a ΔT value (i.e. difference between the inlet air temperature and the gas evaporating temperature) from 5°C to 10°C , by using R404A gas.

In case of a different gas in use, the capacity is to be multiplied by the relevant corrective factor: R134a = 0,91; R507/R404A = 1.

The parameters valid for the unit cooler choice are the following ones: the cold room temperature, the ΔT value and the heat load.

In the column corresponding to the requested cold room temperature we will choose the model that, matching the line of the requested ΔT , will have a capacity equal or bigger than the heat load.

Potenza frigorifera

R404A

Ø 450



Refrigerating output

RCMR1450804 RCMR1450804ED

4 mm Passo alette / Fin spacing

Tc	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	13,30	14,50	14,84	15,18	15,52	15,86	16,20	16,80	17,70
ΔT 9 UR/RH 79% kW	12,30	13,40	13,74	14,08	14,42	14,76	15,10	15,50	16,10
ΔT 8 UR/RH 82% kW	11,30	12,30	12,60	12,90	13,20	13,50	13,80	14,20	14,80
ΔT 7 UR/RH 85% kW	10,10	11,00	11,28	11,56	11,84	12,12	12,40	12,80	13,40
ΔT 6 UR/RH 89% kW	9,00	9,84	10,11	10,38	10,66	10,93	11,20	11,60	12,20
ΔT 5 UR/RH 93% kW	7,80	8,56	8,82	9,08	9,35	9,61	9,87	10,20	10,70

RCMR2450604 RCMR2450604ED

4 mm Passo alette / Fin spacing

Tc	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	24,80	26,30	26,68	27,06	27,44	27,82	28,20	28,90	29,95
ΔT 9 UR/RH 79% kW	22,70	24,10	24,46	24,82	25,18	25,54	25,90	26,50	27,40
ΔT 8 UR/RH 82% kW	20,40	21,80	22,14	22,48	22,82	23,16	23,50	24,10	25,00
ΔT 7 UR/RH 85% kW	18,10	19,30	19,62	19,94	20,26	20,58	20,90	21,50	22,40
ΔT 6 UR/RH 89% kW	15,90	17,00	17,34	17,68	18,02	18,36	18,70	19,20	19,95
ΔT 5 UR/RH 93% kW	13,50	14,60	14,96	15,32	15,68	16,04	16,40	16,90	17,65

RCMR2450804 RCMR2450804ED

4 mm Passo alette / Fin spacing

Tc	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	25,60	27,60	28,14	28,68	29,22	29,76	30,30	31,20	32,55
ΔT 9 UR/RH 79% kW	23,60	25,40	25,92	26,44	26,96	27,48	28,00	28,80	30,00
ΔT 8 UR/RH 82% kW	21,40	23,10	23,58	24,06	24,54	25,02	25,50	26,20	27,25
ΔT 7 UR/RH 85% kW	19,20	20,70	21,14	21,58	22,02	22,46	22,90	23,60	24,65
ΔT 6 UR/RH 89% kW	16,90	18,30	18,74	19,18	19,62	20,06	20,50	21,20	22,25
ΔT 5 UR/RH 93% kW	14,50	15,80	16,24	16,68	17,12	17,56	18,00	18,70	19,75

Tc = temperatura cella / cold room temperature

(*) Per modelli passo alette 4mm, si consiglia un utilizzo ad una Tc ≥ +2°C - For 4mm fin spacing models we recommend to use the application Tc ≥ +2°C



Ø 450

R404A

Potenza frigorifera

Refrigerating output

RIVACOLD

RCMR3450604 RCMR3450604ED

4 mm Passo alette / Fin spacing

Tc	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	36,40	38,50	39,02	39,54	40,06	40,58	41,10	42,10	43,60
ΔT 9 UR/RH 79% kW	33,20	35,20	35,72	36,24	36,76	37,28	37,80	38,60	39,80
ΔT 8 UR/RH 82% kW	29,90	31,80	32,26	32,72	33,18	33,64	34,10	34,90	36,10
ΔT 7 UR/RH 85% kW	26,20	27,80	28,26	28,72	29,18	29,64	30,10	30,80	31,85
ΔT 6 UR/RH 89% kW	22,90	24,50	24,96	25,42	25,88	26,34	26,80	27,50	28,55
ΔT 5 UR/RH 93% kW	19,50	21,00	21,48	21,96	22,44	22,92	23,40	24,20	25,40

RCMR3450804 RCMR3450804ED

4 mm Passo alette / Fin spacing

Tc	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	35,70	38,60	39,40	40,20	41,00	41,80	42,60	43,80	45,60
ΔT 9 UR/RH 79% kW	32,90	35,60	36,34	37,08	37,82	38,56	39,30	40,50	42,30
ΔT 8 UR/RH 82% kW	30,00	32,40	33,10	33,80	34,50	35,20	35,90	36,90	38,40
ΔT 7 UR/RH 85% kW	26,80	29,00	29,64	30,28	30,92	31,56	32,20	33,10	34,45
ΔT 6 UR/RH 89% kW	23,70	25,70	26,34	26,98	27,62	28,26	28,90	29,80	31,15
ΔT 5 UR/RH 93% kW	20,40	22,30	22,92	23,54	24,16	24,78	25,40	26,30	27,65

RCMR4450604 RCMR4450604ED

4 mm Passo alette / Fin spacing

Tc	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	44,20	47,30	48,10	48,90	49,70	50,50	51,30	52,70	54,80
ΔT 9 UR/RH 79% kW	40,60	43,50	44,26	45,02	45,78	46,56	47,30	48,40	50,05
ΔT 8 UR/RH 82% kW	36,80	39,40	40,10	40,80	41,50	42,20	42,90	44,00	45,65
ΔT 7 UR/RH 85% kW	32,80	35,10	35,76	36,42	37,08	37,74	38,40	39,40	40,90
ΔT 6 UR/RH 89% kW	28,90	31,00	31,66	32,32	32,98	33,64	34,30	35,30	36,80
ΔT 5 UR/RH 93% kW	24,40	26,40	27,06	27,72	28,38	29,04	29,70	30,70	32,20

RCMR4450804 RCMR4450804ED

4 mm Passo alette / Fin spacing

Tc	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76% kW	49,00	52,40	53,30	54,20	55,10	56,00	56,90	58,50	60,90
ΔT 9 UR/RH 79% kW	44,90	48,10	48,98	49,86	50,74	51,62	52,50	53,80	55,75
ΔT 8 UR/RH 82% kW	40,70	43,50	44,34	45,18	46,02	46,86	47,70	49,00	50,95
ΔT 7 UR/RH 85% kW	36,20	38,90	39,66	40,42	41,18	41,94	42,70	43,90	45,70
ΔT 6 UR/RH 89% kW	31,80	34,30	35,08	35,86	36,64	37,42	38,20	39,40	41,20
ΔT 5 UR/RH 93% kW	27,20	29,60	30,38	31,16	31,94	32,72	33,50	34,70	36,50

Tc = temperatura cella / cold room temperature

(*) Per modelli passo alette 4mm, si consiglia un utilizzo ad una Tc ≥ +2°C - For 4mm fin spacing models we recommend to use the application Tc ≥ +2°C

Potenza frigorifera

R404A

Ø 450



Refrigerating output

RCMR1450806 RCMR1450806ED

6 mm Passo alette / Fin spacing

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	9,89	10,99	12,10	13,10	14,20	14,52	14,84	15,16	15,48	15,80	16,30	17,05
ΔT 9 UR/RH 79%	kW	9,26	10,23	11,20	12,10	13,10	13,40	13,70	14,00	14,30	14,60	15,10	15,85
ΔT 8 UR/RH 82%	kW	8,54	9,37	10,20	11,10	12,00	12,28	12,56	12,84	13,12	13,40	13,80	14,40
ΔT 7 UR/RH 85%	kW	7,79	8,50	9,21	9,92	10,80	11,04	11,28	11,52	11,76	12,00	12,40	13,00
ΔT 6 UR/RH 89%	kW	6,92	7,49	8,06	8,70	9,47	9,72	9,96	10,21	10,45	10,70	11,10	11,70
ΔT 5 UR/RH 93%	kW	6,02	6,48	6,94	7,52	8,23	8,47	8,71	8,95	9,19	9,43	9,78	10,31

RCMR2450606 RCMR2450606ED

6 mm Passo alette / Fin spacing

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	19,60	21,00	22,40	23,60	25,00	25,32	25,64	25,96	26,28	26,60	27,30	28,35
ΔT 9 UR/RH 79%	kW	17,95	19,08	20,20	21,30	22,60	22,92	23,24	23,56	23,88	24,20	24,70	25,45
ΔT 8 UR/RH 82%	kW	16,30	17,25	18,20	19,20	20,40	20,70	21,00	21,30	21,60	21,90	22,40	23,15
ΔT 7 UR/RH 85%	kW	14,55	15,33	16,10	17,00	18,10	18,38	18,66	18,94	19,22	19,50	20,00	20,75
ΔT 6 UR/RH 89%	kW	12,75	13,38	14,00	14,90	15,90	16,20	16,50	16,80	17,10	17,40	17,90	18,65
ΔT 5 UR/RH 93%	kW	10,88	11,39	11,90	12,70	13,70	14,00	14,30	14,60	14,90	15,20	15,70	16,45

RCMR2450806 RCMR2450806ED

6 mm Passo alette / Fin spacing

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	19,95	21,78	23,60	25,20	27,10	27,58	28,06	28,54	29,02	29,50	30,30	31,50
ΔT 9 UR/RH 79%	kW	18,55	20,13	21,70	23,20	24,80	25,28	25,76	26,24	26,72	27,20	27,90	28,95
ΔT 8 UR/RH 82%	kW	16,90	18,20	19,50	20,80	22,30	22,74	23,18	23,62	24,06	24,50	25,10	26,00
ΔT 7 UR/RH 85%	kW	15,25	16,33	17,40	18,50	19,90	20,30	20,70	21,10	21,50	21,90	22,50	23,40
ΔT 6 UR/RH 89%	kW	13,50	14,35	15,20	16,30	17,60	18,00	18,40	18,80	19,20	19,60	20,20	21,10
ΔT 5 UR/RH 93%	kW	11,60	12,30	13,00	14,00	15,20	15,60	16,00	16,40	16,80	17,20	17,80	18,70

Tc = temperatura cella / cold room temperature

(*) Per modelli passo alette 6mm, si consiglia un utilizzo ad una Tc ≥ -15°C - For 6mm fin spacing models we recommend to use the application Tc ≥ -15°C



Ø 450

R404A

Potenza frigorifera

Refrigerating output

RIVACOLD

RCMR3450606 RCMR3450606ED

6 mm Passo alette / Fin spacing

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	29,00	30,80	32,60	34,20	36,20	36,64	37,08	37,52	37,96	38,40	39,20	40,40
ΔT 9 UR/RH 79%	kW	26,65	28,18	29,70	31,20	33,00	33,44	33,88	34,32	34,76	35,20	36,00	37,20
ΔT 8 UR/RH 82%	kW	24,20	25,45	26,70	28,10	29,70	30,12	30,54	30,96	31,38	31,80	32,60	33,80
ΔT 7 UR/RH 85%	kW	21,45	22,53	23,60	24,80	26,40	26,78	27,16	27,54	27,92	28,30	29,00	30,05
ΔT 6 UR/RH 89%	kW	18,75	19,63	20,50	21,70	23,10	23,52	23,94	24,36	24,78	25,20	25,90	26,95
ΔT 5 UR/RH 93%	kW	15,95	16,68	17,40	18,40	19,80	20,26	20,72	21,18	21,64	22,10	22,70	23,60

RCMR3450806 RCMR3450806ED

6 mm Passo alette / Fin spacing

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	27,65	30,43	33,20	35,70	38,40	39,14	39,88	40,62	41,36	42,10	43,20	44,85
ΔT 9 UR/RH 79%	kW	25,60	27,95	30,30	32,50	34,90	35,68	36,46	37,24	38,02	38,80	39,80	41,30
ΔT 8 UR/RH 82%	kW	23,60	25,60	27,60	29,50	31,70	32,34	32,98	33,62	34,26	34,90	35,80	37,15
ΔT 7 UR/RH 85%	kW	21,30	22,95	24,60	26,30	28,40	28,98	29,56	30,14	30,72	31,30	32,20	33,55
ΔT 6 UR/RH 89%	kW	18,95	20,33	21,70	23,20	25,10	25,68	26,26	26,84	27,42	28,00	28,90	30,25
ΔT 5 UR/RH 93%	kW	16,35	17,48	18,60	20,00	21,70	22,28	22,86	23,44	24,02	24,60	25,50	26,85

RCMR4450606 RCMR4450606ED

6 mm Passo alette / Fin spacing

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	33,35	36,23	39,10	41,60	44,30	44,98	45,66	46,34	47,02	47,70	48,90	50,70
ΔT 9 UR/RH 79%	kW	30,95	33,43	35,90	38,10	40,60	41,26	41,92	42,58	43,24	43,90	44,90	46,40
ΔT 8 UR/RH 82%	kW	28,30	30,35	32,40	34,50	36,80	37,40	38,00	38,60	39,20	39,80	40,80	42,30
ΔT 7 UR/RH 85%	kW	25,50	27,20	28,90	30,70	32,70	33,28	33,86	34,44	35,02	35,60	36,50	37,85
ΔT 6 UR/RH 89%	kW	22,45	23,88	25,30	26,90	28,90	29,48	30,06	30,64	31,22	31,80	32,70	34,05
ΔT 5 UR/RH 93%	kW	19,20	20,35	21,50	23,00	24,90	25,48	26,06	26,64	27,22	27,80	28,70	30,05

RCMR4450806 RCMR4450806ED

6 mm Passo alette / Fin spacing

	Tc	-20°C*	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
ΔT 10 UR/RH 76%	kW	39,35	42,43	45,50	48,30	51,40	52,22	53,04	53,86	54,68	55,50	57,00	59,25
ΔT 9 UR/RH 79%	kW	36,40	39,00	41,60	44,20	47,10	47,90	48,70	49,50	50,30	51,10	52,40	54,35
ΔT 8 UR/RH 82%	kW	33,25	35,43	37,60	39,90	42,60	43,36	44,12	44,88	45,64	46,40	47,50	49,15
ΔT 7 UR/RH 85%	kW	29,85	31,68	33,50	35,50	37,90	38,60	39,30	40,00	40,70	41,40	42,50	44,15
ΔT 6 UR/RH 89%	kW	26,20	27,75	29,30	31,10	33,50	34,20	34,90	35,60	36,30	37,00	38,20	40,00
ΔT 5 UR/RH 93%	kW	22,40	23,65	24,90	26,60	28,80	29,52	30,24	30,96	31,68	32,40	33,60	35,40

Tc = temperatura cella / cold room temperature

(*) Per modelli passo alette 6mm, si consiglia un utilizzo ad una Tc ≥ -15°C - For 6mm fin spacing models we recommend to use the application Tc ≥ -15°C

Potenza frigorifera

R404A

Ø 450



Refrigerating output

RCMR1450808 RCMR1450808ED

8 mm Passo alette / Fin spacing

Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76% kW	5,39	6,36	7,48	8,46	9,44	10,42	11,40	12,30	13,20	13,46	13,72
ΔT 9 UR/RH 79% kW	5,14	6,07	7,10	7,95	8,80	9,65	10,50	11,30	12,20	12,44	12,68
ΔT 8 UR/RH 82% kW	4,87	5,74	6,64	7,38	8,12	8,85	9,59	10,30	11,10	11,32	11,54
ΔT 7 UR/RH 85% kW	4,56	5,34	6,11	6,73	7,35	7,96	8,58	9,21	9,93	10,14	10,36
ΔT 6 UR/RH 89% kW	4,18	4,86	5,52	6,01	6,51	7,00	7,49	8,05	8,72	8,93	9,14
ΔT 5 UR/RH 93% kW	3,76	4,31	4,83	5,23	5,63	6,03	6,43	6,93	7,56	7,77	7,98

RCMR2450608 RCMR2450608ED

8 mm Passo alette / Fin spacing

Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76% kW	12,50	14,20	15,70	16,75	17,80	18,85	19,90	20,90	22,10	22,36	22,62
ΔT 9 UR/RH 79% kW	11,80	13,20	14,50	15,43	16,35	17,28	18,20	19,00	20,10	20,38	20,66
ΔT 8 UR/RH 82% kW	10,90	12,10	13,30	14,05	14,80	15,55	16,30	17,10	18,10	18,36	18,62
ΔT 7 UR/RH 85% kW	9,96	11,00	11,90	12,53	13,15	13,78	14,40	15,20	16,10	16,34	16,58
ΔT 6 UR/RH 89% kW	8,93	9,77	10,50	11,03	11,55	12,08	12,60	13,20	14,10	14,36	14,62
ΔT 5 UR/RH 93% kW	7,73	8,37	8,91	9,31	9,71	10,10	10,50	11,20	12,00	12,26	12,52

RCMR2450808 RCMR2450808ED

8 mm Passo alette / Fin spacing

Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76% kW	11,80	13,70	15,80	17,40	19,00	20,60	22,20	23,60	25,20	25,62	26,04
ΔT 9 UR/RH 79% kW	11,20	13,00	14,80	16,20	17,60	19,00	20,40	21,60	23,10	23,50	23,90
ΔT 8 UR/RH 82% kW	10,60	12,20	13,70	14,88	16,05	17,23	18,40	19,60	20,90	21,28	21,66
ΔT 7 UR/RH 85% kW	9,76	11,20	12,50	13,48	14,45	15,43	16,40	17,40	18,70	19,04	19,38
ΔT 6 UR/RH 89% kW	8,89	10,10	11,20	11,95	12,70	13,45	14,20	15,10	16,30	16,64	16,98
ΔT 5 UR/RH 93% kW	7,88	8,83	9,64	10,26	10,87	11,49	12,10	13,00	14,10	14,44	14,78

Tc = temperatura cella / cold room temperature



Ø 450

R404A

Potenza frigorifera

Refrigerating output

RIVACOLD

RCMR3450608 RCMR3450608ED

8 mm Passo alette / Fin spacing

Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76% kW	19,20	21,30	23,50	24,95	26,40	27,85	29,30	30,60	32,20	32,56	32,92
ΔT 9 UR/RH 79% kW	17,90	19,90	21,70	22,93	24,15	25,38	26,60	27,80	29,30	29,68	30,06
ΔT 8 UR/RH 82% kW	16,60	18,30	19,80	20,83	21,85	22,88	23,90	25,00	26,40	26,76	27,12
ΔT 7 UR/RH 85% kW	15,10	16,50	17,70	18,55	19,40	20,25	21,10	22,10	23,40	23,74	24,08
ΔT 6 UR/RH 89% kW	13,50	14,60	15,50	16,20	16,90	17,60	18,30	19,30	20,50	20,86	21,22
ΔT 5 UR/RH 93% kW	11,60	12,50	13,10	13,65	14,20	14,75	15,30	16,20	17,40	17,78	18,16

RCMR3450808 RCMR3450808ED

8 mm Passo alette / Fin spacing

Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76% kW	15,90	18,60	21,50	23,90	26,30	28,70	31,10	33,20	35,50	36,10	36,70
ΔT 9 UR/RH 79% kW	15,10	17,60	20,30	22,38	24,45	26,53	28,60	30,40	32,60	33,18	33,76
ΔT 8 UR/RH 82% kW	14,20	16,50	18,90	20,65	22,40	24,15	25,90	27,60	29,50	30,04	30,58
ΔT 7 UR/RH 85% kW	13,20	15,30	17,30	18,75	20,20	21,65	23,10	24,60	26,40	26,88	27,36
ΔT 6 UR/RH 89% kW	12,10	13,80	15,40	16,63	17,85	19,08	20,30	21,60	23,30	23,80	24,30
ΔT 5 UR/RH 93% kW	10,80	12,20	13,40	14,38	15,35	16,33	17,30	18,50	20,10	20,60	21,10

RCMR4450608 RCMR4450608ED

8 mm Passo alette / Fin spacing

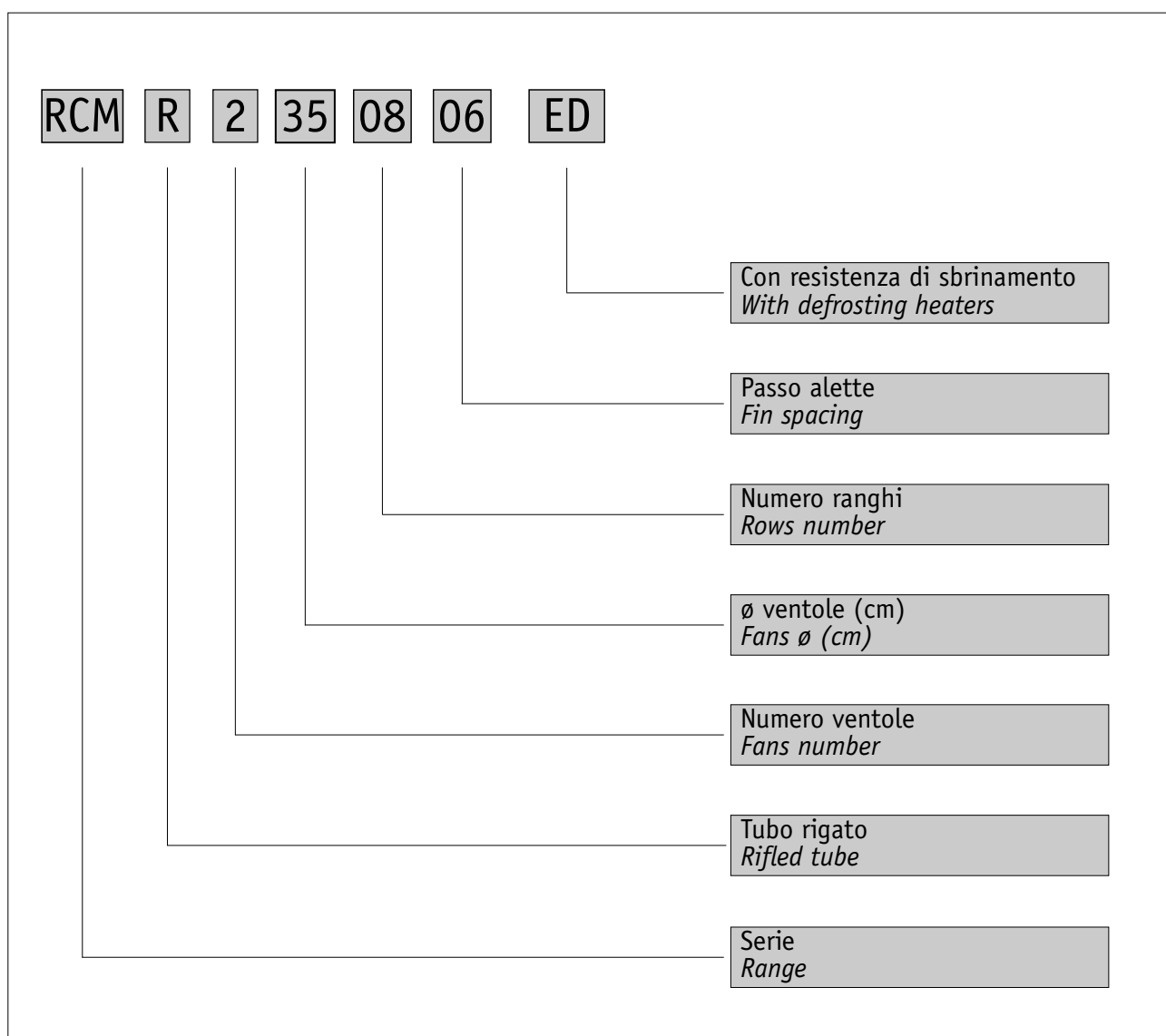
Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76% kW	19,80	22,80	26,10	28,55	31,00	33,45	35,90	37,90	40,20	40,76	41,32
ΔT 9 UR/RH 79% kW	18,80	21,60	24,50	26,58	28,65	30,73	32,80	34,70	36,80	37,34	37,88
ΔT 8 UR/RH 82% kW	17,60	20,20	22,60	24,30	26,00	27,70	29,40	31,00	32,90	33,40	33,90
ΔT 7 UR/RH 85% kW	16,30	18,40	20,50	21,88	23,25	24,63	26,00	27,50	29,30	29,76	30,22
ΔT 6 UR/RH 89% kW	14,70	16,60	18,20	19,33	20,45	21,58	22,70	24,10	25,80	26,28	26,76
ΔT 5 UR/RH 93% kW	13,00	14,40	15,70	16,60	17,50	18,40	19,30	20,60	22,20	22,70	23,20

RCMR4450808 RCMR4450808ED

8 mm Passo alette / Fin spacing

Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C
ΔT 10 UR/RH 76% kW	24,90	28,50	32,20	34,70	37,20	39,70	42,20	44,60	47,30	47,96	48,62
ΔT 9 UR/RH 79% kW	23,60	26,80	30,10	32,23	34,35	36,48	38,60	40,70	43,20	43,88	44,56
ΔT 8 UR/RH 82% kW	22,00	24,90	27,70	29,48	31,25	33,03	34,80	36,70	39,00	39,64	40,28
ΔT 7 UR/RH 85% kW	20,30	22,80	25,10	26,53	27,95	29,38	30,80	32,60	34,70	35,30	35,90
ΔT 6 UR/RH 89% kW	18,30	20,40	22,00	23,23	24,45	25,68	26,90	28,50	30,60	31,20	31,80
ΔT 5 UR/RH 93% kW	15,90	17,50	18,90	19,88	20,85	21,83	22,80	24,40	26,30	26,94	27,58

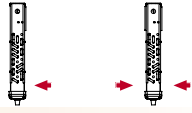
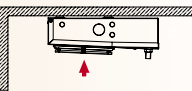
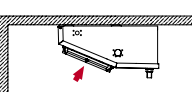
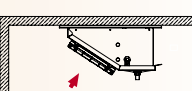
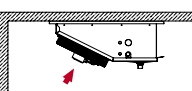
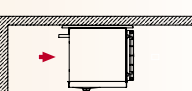
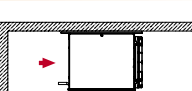
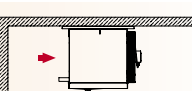
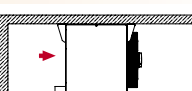
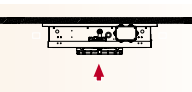
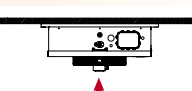
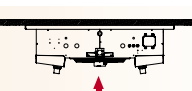
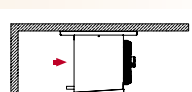
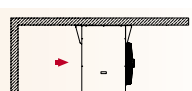
Tc = temperatura cella / cold room temperature



Per ulteriori informazioni, contattare il nostro ufficio tecnico / *For further information, please contact our technical dept*

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Descriptions, technical data and pictures are to be considered as a guide and not binding. Rivacold reserves the right to change in whole or part, the specification detailed in this documentation without prior notice and, when necessary to achieve continuous productions, to use alternative manufactures of components for design accomplishment.

Serie Range	Potenza / Capacity										Ventole Fans	
	1000W	2000W	4000W	8000W	16000W	32000W	64000W	128000W	256000W			
RM70	132 W											2
RS	107 - 2760 W											1 - 4
RSV	341 - 3080 W											1 - 2
RSI 250	420 - 5830 W											1 - 4
RSI 350		1440 - 11900 W										2 - 4
RC	538 - 8005 W											1 - 4
RCS	383 - 8465 W											1 - 4
RCMR 350		1670 - 23150 W										1 - 4
RCMR 450			3760 - 60900 W									1 - 4
RDF 250	374- 6185 W											1 - 4
RDF 350		1630 - 19000 W										2 - 5
RDFR 500			3020 - 82050 W									1 - 4
RCBR 500			4020 - 73750 W									1 - 4
RCBR 630			4588 - 170569 W									1 - 4

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