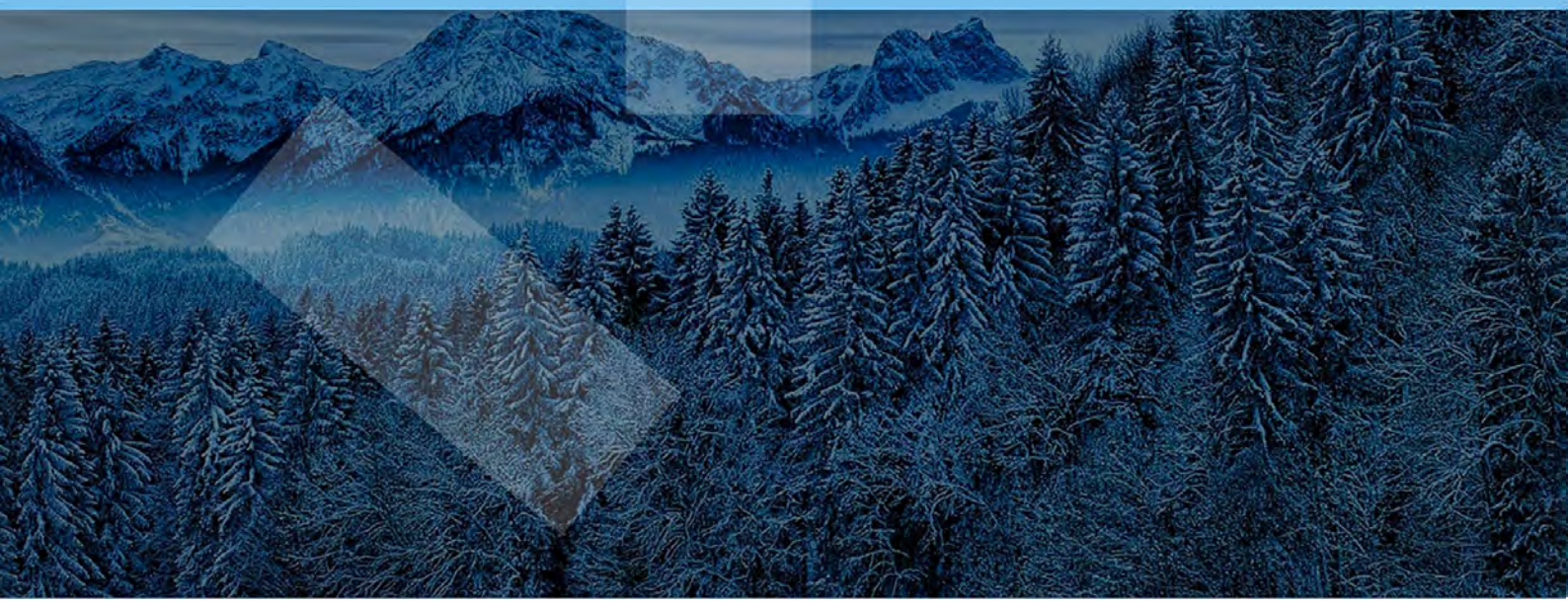
NUEVA GAMA DE REFRIGERACIÓN

2022/2023



UNIDADES, CENTRALES, EVAPORADORES GAS COOLER CO2 .

CO_2 REFRIGERATION

RIVACOLD MASTERING COLD

adkrio TU PARTNER EN FRIO

UNITÀ CONDENSATRICI MULTIUTENZA A CO_2 TRANSCRITICA

TRANSCRITICAL CO_2 CONDENSING UNITS FOR MULTISET APPLICATION

CN CO_2NNEXT

CELLE FRIGORIFERE
COLD ROOMS

MURALI E VETRINE
WALL AND DISPLAY CABINETS

BANCHI
COUNTERS

GREEN SOLUTIONS

REFRIGERANTE NATURALE
NATURAL REFRIGERANT

RISPARMIO ENERGETICO
ENERGY SAVING

BASSA RUMOROSITÀ
LOW NOISE

MEDIA TEMPERATURA
MEDIUM TEMPERATURE

BASSA TEMPERATURA
LOW TEMPERATURE

COMPRESSORE ERMETICO
HERMETIC COMPRESSOR

RESA VARIABILE
VARIABLE CAPACITY

ANTIPIOGGIA
WEATHER PROOF

EASY FIX
EASY FIX

R744	MBP	LBP
CAMPO DI ESERCIZIO (Te) OPERATING RANGE (Te)	+0°C ÷ -10°C	-25°C ÷ -35°C
SPOSTAMENTO VOL. COMPRESSORE COMPRESSOR POWER	3 ÷ 10 cm^3/rev	4 ÷ 10 cm^3/rev
POTENZA FRIGORIFERA REFRIGERATING CAPACITY	561 ÷ 9965 W	977 ÷ 7880 W

RISPARMIO ENERGETICO
ENERGY SAVING
16%

RISPARMIO ENERGETICO

Il **circuito della Connext** è stato ottimizzato per raggiungere **elevate prestazioni** in termini di **efficienza energetica**. Il compressore BLDC, i ventilatori elettronici, i componenti specifici richiesti dall'utilizzo del gas R744 e un software di controllo elettronico dedicato permettono un **risparmio del 16%** rispetto a un sistema a HFC con compressore semiermetico e inverter AC.

ENERGY SAVING

The **Connext circuit** has been optimized to achieve **high performance** in terms of **energy efficiency**. The BLDC compressor, the EC fans, the specific components required by the use of the R744 gas and a customized electronic control software allow a **saving of 16%** compared to a HFC system with semi-hermetic compressor and AC inverter.

ENERGIEEFFIZIENZ

Der **Kältekreislauf der Connext** wurde auf eine höhere **Energieeffizienz** optimiert. Der BLDC-Verdichter, die EC-Lüfter, spezielle CO2- Komponenten sowie eine darauf abgestimmt programmierte Regelung erzielen eine **Energieeinsparung von 16%** im Vergleich zu einem Verflüssigungssatz mit HFKW/HFO-Kältemittel, halbhermetischem Verdichter und FU.

ÉCONOMIE D'ÉNERGIE

Le **circuit Connext** a été optimisé pour atteindre des **performances élevées** en termes d'**efficacité énergétique**. Le compresseur BLDC, les moteurs de ventilateur électroniques, les composants spécifiques requis par l'utilisation du gaz R744 et un logiciel de contrôle électronique dédié, permettent une **économie de 16%** par rapport à un système HFC avec compresseur semi-hermétique et onduleur AC.

AHORRO DE ENERGÉTICO

El **circuito de la Connext** se ha optimizado para lograr un **alto rendimiento** en términos de **eficiencia energética**. El compresor BLDC, los motores de los ventiladores electrónicos, los componentes específicos requeridos por el uso del gas R744 y un software de control electrónico dedicado, permiten un **ahorro del 16%** en comparación con un sistema HFC con compresor semi-hermético e inverter de CA.

REFRIGERANTE NATURALE
NATURAL REFRIGERANT
TEWI -42%

ECO SOSTENIBILITÀ

L'utilizzo di un **gas naturale come l'R744** (GWP=1) in un sistema efficiente come quello sviluppato per Connext **riduce sia le emissioni dirette che quelle indirette, proteggendo il nostro ambiente**.

ECO SUSTAINABILITY

The use of a **natural gas such as R744** (GWP = 1) in an efficient system as Connext **reduces both direct and indirect emissions, protecting our environment**.

UMWELTSCHUTZ

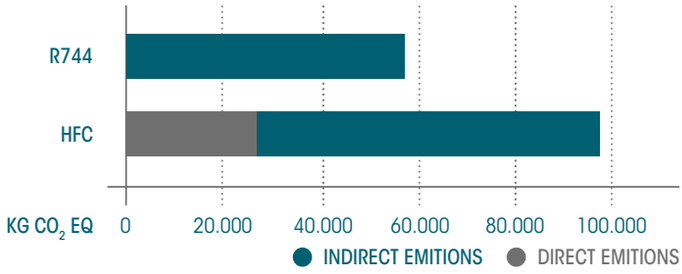
Die Verwendung eines **natürlichen Kältemittels wie R744** (GWP=1) in unserer Connext **verringert sowohl direkte als auch die indirekte Emissionen und schützt somit unsere Umwelt.**

ECO-DURABILITÉ

L'utilisation d'un **fluide naturel tel que le R744** (GWP = 1) dans un système efficace tel que celui développé pour Connext **réduit les émissions directes et indirectes, protégeant ainsi notre environnement.**

ECO-SOSTENIBILIDAD

El uso de un **gas natural como el R744** (GWP = 1) en un sistema eficiente como el desarrollado para la Connext **reduce las emisiones directas e indirectas, protegiendo nuestro medio ambiente**.



EASY FIX
EASY FIX

FACILE INSTALLAZIONE

I **rubinetti di manutenzione** consentono di isolare la macchina e svolgere tutte le necessarie attività di manutenzione in sicurezza.

EASY INSTALLATION

The **maintenance faucets** make it possible to isolate the machine and carry out all the necessary maintenance operations in safety.

EINFACHE MONTAGE

Durch die angebrachten Service-Absperrventile können Wartungs und Servicearbeiten unter sicheren Bedingungen durchgeführt werden.

INSTALLATION FACILE

Les **vannes de maintenance** permettent d'isoler la machine et d'effectuer toutes les activités de maintenance nécessaires en toute sécurité.

FÁCIL INSTALACIÓN

Las **llaves de servicio** permiten aislar la máquina y llevar a cabo todas las actividades de mantenimiento necesarias con total seguridad.

BASSA RUMOROSITÀ
LOW NOISE

BASSA RUMOROSITÀ

Grazie a un **set completo di pannelli fonoassorbenti** e a una serie di accorgimenti tecnici studiati per evitare le vibrazioni, **Connext è super silenziosa**

LOW NOISE

Thanks to a **complete set of sound-absorbing panels** and a series of technical devices designed to avoid vibrations, **Connext is super silent**.

NIEDRIGER GERÄUSCHPEGEL

Ein technisch ausgeklügeltes, vibrationsarmes Konzept sowie schallisolierte Paneele machen die **Connext sehr leise**.

FAIBLE BRUIT

Grâce à un ensemble **complet de panneaux absorbants** et à une série de dispositifs techniques conçus pour éviter les vibrations, **Connext est très silencieux.**

BAJO NIVEL SONORO

Gracias a un **conjunto completo de paneles absorbentes** y una serie de dispositivos técnicos diseñados para evitar vibraciones, **Connext es supersilenciosa.**

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CARACTERÍSTICAS GENERALES

Connext gama de unidades condensadoras y sistemas Split para R744 transcrítico con compresores BLDC de velocidad variable para aplicaciones de media y baja temperatura (cámaras frigoríficas, muebles y murales) en supermercados de conveniencia. Gracias a una nueva generación de controles electrónicos para CO2, proponemos un sistema de fácil instalación, diseñado para hasta 5 servicios. Eficiencia energética, sostenibilidad ambiental y perfecta conservación de los alimentos, están garantizados por Rivacold con esta nueva tecnología

· Compresor hermético rotativo BLDC para R744 media y baja temperatura
· Presiones de diseño:
  - 60 bar en aspiración para TN y BT
  - 80 bar en el recipiente de presión intermedia
  - 120 bar en descarga
· Compresores con invérter y modulación de capacidad [25-100%]
· Válvula de retención en la descarga de cada compresor
· Sistema de inyección de aceite (sólo modelos BT)
· Gascooler incorporado con ventiladores EC
· Intercooler incorporado (sólo modelos BT)
· Válvula paso a paso electrónica back-pressure HPV
· Recipiente intermedio aislado y con válvula de seguridad
· Válvula Flash gas electrónica para el mantenimiento de la presión del recipiente intermedio (sólo modelos TN)
· Filtro de líquido (a soldar) e indicador de líquido
· Subenfriamiento con intercambiador aspiración/líquido (+3% de eficiencia)
· Aislamiento tuberías frías
· Llaves de servicio para un optimo mantenimiento
· Conexiones K65

CIRCUITO DE CONTROL

· Sensores generales de baja presión
· Presostato de seguridad de alta de acorde con la PED
· Sensores de temperatura y presión para el control y monitorización del sistema
· Monitorización de la temperatura de descarga y aspiración
· Control del rango de trabajo, potencia y corriente absorbida por compresor

PARTE ELÉCTRICA

· Cuadro eléctrico de potencia y control incorporado
· Seccionador general con bloqueo de puerta
· Interruptores magnetotérmicos par potencia y auxiliares.
· Magnetotérmicos en circuitos de potencia y auxiliares
· Microprocesador Carel para la gestión de compresores y circuito de control
· Bornero numerado y colores cables de acorde con CEI EN 60204-1
· Cuadro eléctrico con ventilación incluida
· Sistema preparado para la supervisión remota

CHASIS

· Chasís autoportante en chapa de acero, con soportes verticales y cubierta
· Pintado epoxi de todas las chapas del chasís

OPCIONALES

· Tratamiento anticorrosivo Blygold del gascooler
· Insonorización 1: insonorización estardar del chasís
· Insonorización 2: insonorización Plus del chasís
· Sistema de monitorización IoT

DATI TECNICI MODELLI MBP - MBP MODELS TECHNICAL DATA

CONDENSING UNIT			COMPRESSOR		GAS COOLER FAN-MOTORS		PIPE FITTINGS		PED	NOISE	CU DIMENSIONS			NET WEIGHT	PACKAGE
MODEL	SUPPLY	EXP	MODEL	DISP.	n°x Ø	mc/h	SUCTION inches	LIQUID inches	CAT	24h average LpA 10m **dBA	L mm	P mm	H mm	kg	REF
CN030M145X0211	230/1/50	V	DY30N1F	3	1 x 450	4098	3/8"	3/8"	1	33.1	1390	515	1200	140	a
CN045M145X1211	230/1/50	V	DY45NF1	4.5	1 x 450	4098	3/8"	3/8"	1	38.5	1390	515	1200	140	a
CN067M245X0211	230/1/50	V	DY67L1F	6.7	2 X 450	7257	3/8"	3/8"	1	36.6	1390	515	1200	160	a
CN100M245X1212	400/3/50	V	RY100L1F	10	2 X 450	7257	3/8"	3/8"	1	37.6	1390	515	1200	160	a

DATI TECNICI MODELLI LBP - LBP MODELS TECHNICAL DATA

CONDENSING UNIT			COMPRESSOR		GAS COOLER FAN-MOTORS		PIPE FITTINGS		PED	NOISE	CU DIMENSIONS			NET WEIGHT	PACKAGE
MODEL	SUPPLY	EXP	MODEL	DISP.	n°x Ø	mc/h	SUCTION inches	LIQUID inches	CAT	24h average LpA 10m **dBA	L mm	P mm	H mm	kg	REF
CN075L145X0211	230/1/50	V	DY30N1F	4,5 + 3	1 x 450	4098	3/8"	3/8"	1	36.5	1590	515	1200	210	b
CN112L245X0211	230/1/50	V	DY67L1F	6.7 + 4.5	2 X 450	7257	3/8"	3/8"	1	38.6	1590	515	1200	210	b
CN167L245X1212	400/3/50	V	RY100L1F	10 + 6.7	2 X 450	7257	1/2"	3/8"	1	40.1	1590	515	1200	210	b

TABELLA RESE CN R744 MBP - MBP CN PERFORMANCE TABLES (R744)

R744	ELECTRICAL ABSORPTION			Capacity Ta = 25°C			Capacity Ta = 32°C			Capacity Ta = 38°C		
CODE	POWER W	CURRENT A		Te 0°C	Te -5°C	Te -10°C	Te 0°C	Te -5°C	Te -10°C	Te 0°C	Te -5°C	Te -10°C
CN030M145X0211	1800	9	min	1060	902	760	781	667	561	659	555	461
			max	4048	3539	3068	3327	2933	2548	2924	2545	2195
CN045M145X1211	2500	12.5	min	1575	1342	1132	1179	1007	847	995	838	696
			max	5805	5112	4460	4890	4317	3775	4384	3842	3314
CN067M245X0211	3600	18.6	min	2367	2036	1737	1782	1535	1305	1506	1286	1083
			max	8077	7137	6248	6943	6138	5373	6220	5464	4743
CN100M245X1212	5700	10	min	3425	2955	2528	2659	2291	1948	2248	1919	1616
			max	11375	10105	8893	9965	8826	7742	8986	7905	6887

Dati di assorbimento calcolati alla resa nominale -10°C/32°C (Te) / Absorpion data are calculated at a rate capacity of -10°C/32°C (Te)

TABELLA RESE CN R744 LBP - LBP CN PERFORMANCE TABLES (R744)

R744	ELECTRICAL ABSORPTION			Capacity Ta = 25°C			Capacity Ta = 32°C			Capacity Ta = 38°C		
CODE	POWER W	CURRENT A		Te -25°C	Te -30°C	Te -35°C	Te -25°C	Te -30°C	Te -35°C	Te -25°C	Te -30°C	Te -35°C
CN075L145X0211	2500	13	min	1266	1264	1249	981	984	977	859	862	856
			max	3832	3168	2580	3775	3168	2580	3372	3168	2580
CN112L245X0211	3900	20.5	min	1896	1898	1883	1564	1473	1460	1564	1308	1278
			max	5707	4847	4102	5707	4847	4102	5080	4847	4102
CN167L245X1212	6500	21	min	2665	2621	2631	2335	2093	2059	2335	1952	1818
			max	8252	7235	6123	7880	7235	6123	7113	7090	7113

Dati di assorbimento calcolati alla resa nominale -30°C (Te) / 32° C (Ta) / Absorpion data are calculated at a rate capacity of -30°C (Te) 32°C (Ta)

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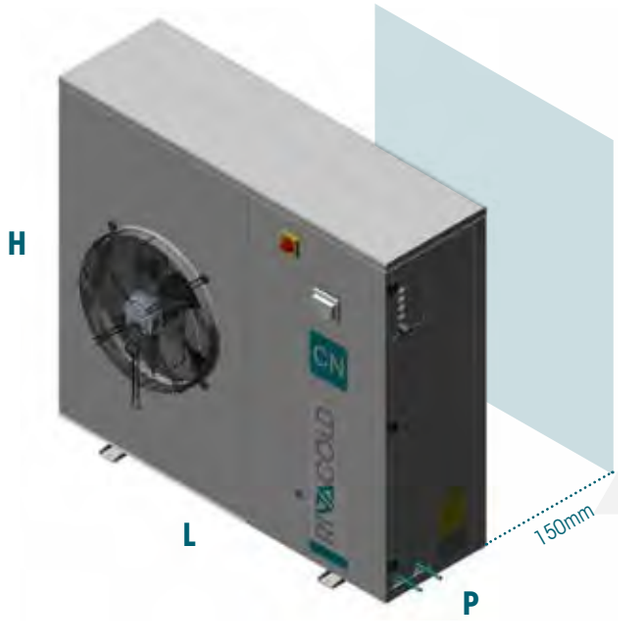
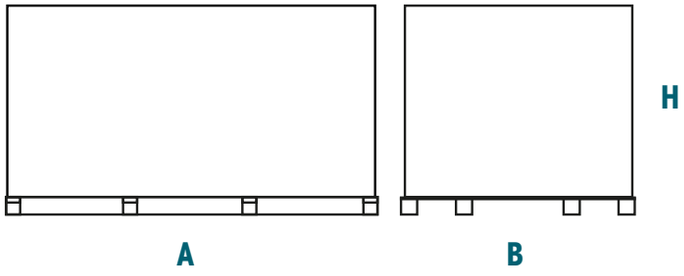
INGOMBRI MACCHINA - CONDENSING UNIT DIMENSIONS



IMBALLI - PACKAGES

PACKAGE REF	A (mm)	B (mm)	H (mm)	WEIGHT (Kg)
a	1500	600	1400	28
b	1700	600	1400	31

SCATOLA DI CARTONE + BANCALE IN LEGNO
WOODEN PALLET + CARTON BOX



DATI DI RUMOROSITÀ - NOISE LEVELS DATA

BASSA RUMOROSITÀ LOW NOISE

CONDENSING UNIT	STANDARD UNIT		INSULATION 1 OPTIONAL		INSULATION 2 OPTIONAL	
MODEL	MAX RPM	24h average LpA 10m **dBA	MAX RPM	24h average LpA 10m **dBA	MAX RPM	24h average LpA 10m **dBA
CN030M145X0211	35.1	33.1	33.1	31.5	29.3	27.5
CN045M145X1211	40	38.5	38	36.5	34.1	32.5
CN067M245X0211	38.1	36.6	36.1	34.6	32.3	30.7
CN100M245X1212	39.1	37.6	37.1	35.6	33.3	31.6
CN075L145X0211	38.1	36.5	36.1	34.5	32.2	30.5
CN112L245X0211	39.9	38.6	38	36.6	34.3	32.8
CN167L245X1212	41.6	40.1	39.7	38.1	35.9	34.2

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UNITÀ CONDENSATRICI MULTIUTENZA A CO_2 TRANSCRITICA
TRANSCRITICAL CO_2 CONDENSING UNITS FOR MULTISET APPLICATION

COMPRESSORI SEMIERMETICI DORIN
DORIN SEMI-HERMETIC COMPRESSORS

MH X

SUPERMERCATO
SUPERMARKET

CELLE FRIGORIFERE
COLD ROOMS

BANCHI
COUNTERS

MURALI E VETRINE
WALL AND DISPLAY CABINETS

GREEN SOLUTIONS

ECO DESIGN

REFRIGERANTE NATURALE
NATURAL REFRIGERANT

RISPARMIO ENERGETICO
ENERGY SAVING

BASSA RUMOROSITÀ
LOW NOISE

MEDIA TEMPERATURA
MEDIUM TEMPERATURE

COMPRESSORE SEMIERMETICO
SEMI-HERMETIC COMPRESSOR

RESA VARIABILE
VARIABLE CAPACITY

EASY FIX
EASY FIX

ANTIPIOGGIA
WEATHER PROOF

CONTROLLO REMOTO VIA APP
REMOTE CONTROL BY APP

R744	MBP	
CAMPO DI ESERCIZIO OPERATING RANGE	-15°C ÷ -5°C (Te)	fino a 43 °C (Ta) / up to 43 °C (Ta)
POTENZA FRIGORIFERA REFRIGERATING CAPACITY	min 1730 / max 3350 ÷ min 6220 / max 11220 W	
PRESSIONI DI PROGETTO DESIGN PRESSURES	60 bar su lato di apirazione TN 80 bar interstadio-ricevitore e linea del liquido 120 bar sul lato di alta presione TN	60 bar on MT suction line 80 bar on midpressure receiver 120 bar on MT high pressure side

CARATTERISTICHE GENERALI

Grazie all'esperienza acquisita negli anni nel mondo dei prodotti a refrigerante naturale R744, Rivacold propone una nuova gamma di unità condensatrici transcritiche con compressori semi-ermetici.
Un concept di prodotto che incontra tutte le esigenze dei settori food retail, grande distribuzione e logistico, garantendo prestazioni elevate, massima affidabilità, sicurezza e risparmio energetico, anche grazie all'utilizzo dell'inverter sul compressore. Inoltre, il gas cooler integrato rende questa soluzione compatta, facile da trasportare e installare, anche in prossimità di abitazioni, grazie ai livelli di insonorizzazione previsti come optional. Le macchine sono selezionabili sul programma Select fino a 43°C di temperatura ambiente e possono essere abbinate agli evaporatori per impianti a CO_2, sempre garantiti dalla qualità Rivacold.

GENERAL FEATURES

Thanks to the experience gained over the years in the world of R744 natural refrigerant products, Rivacold offers the new range of CO_2 transcritical condensing units, with semi-hermetic compressors.
A product concept that meets all the needs of the food retail, large distribution and logistics sectors, ensuring high performance, maximum reliability, safety and energy saving, also thanks to the inverter on the compressor. Furthermore, the integrated gas cooler makes this solution compact, easy to transport and install, even close to houses thanks to the optional soundproofing levels. The machines can be selected on the Select program up to T amb. 43°C and can be combined with evaporators for CO_2 systems, always guaranteed by Rivacold quality.

RIVACOLD
MASTERING COLD

DATI TECNICI - TECHNICAL DATA

CONDENSING UNIT	ABSORPTION		COMPRESSOR		GAS COOLER FAN MOTORS		PIPE FITTINGS		LIQUID RECEIVER	PED	NOISE LEVEL (ONLY HOUSING)		DIMENSIONS			NET WEIGHT
MODEL	POWER [W]	CURRENT [A]	MODEL	m^3/h	No. x Ø	m^3	L [mm]	S [mm]	[liters]	CAT	Max LpA Noise 10m [dbA]	24h average Noise LpA 10m [dbA]	L [mm]	P [mm]	H [mm]	[kg]
HDM145X12022	3.1	6.2	CD350H	1.88	1x450	4.219	8 - 3/8"	8 - 3/8"	12	2	35.5	31.7	1920	860	1310	450
HDM150X12032	5.1	10.3	CD380H	3	1x500	6.838	8 - 3/8"	8 - 3/8"	12	2	41.4	37.4	1920	860	1310	450
HDM150X12052	7.0	15.0	CD4 75-4.7H	4.67	1x500	6.838	10 - 1/2"	10 - 1/2"	12	2	41.4	37.4	1920	860	1310	490

Gas cooler approach: in funzione della Temperatura Ambiente / Gas cooler approach: according to Ambient temperature
Pressione gas cooler: In funzione della Temperatura Ambiente / Gas cooler Pressure: according to Ambient temperature
Pressione intermedia al ricevitore: 45bar / Receiver Intermediate Pressure: 50bar
Sottoraffreddamento: 5K / Subcooling: 5K
Surriscaldamento utile MT: 10K / MT Useful superheat 10K
Assorbimento del compressore: Te -10°C (MBP); Tamb 35°C / Compressor absorption: Te -10°C (MBP); Tamb 35°C

TABELLA RESE - PERFORMANCE TABLES

R744	Capacity Ta = 32°C						Capacity Ta = 35°C					
CODE	Te -15°C		Te -10°C		Te -5°C		Te -15°C		Te -10°C		Te -5°C	
	max	min	max	min	max	min	max	min	max	min	max	min
HDM145X12022	3350	1730	4050	2130	4800	2560	3090	1570	3750	1930	4450	2330
HDM150X12032	5290	2780	6370	3420	7550	4090	4840	2520	5870	3110	6990	3750
HDM150X12052	8170	4450	9650	5300	11220	6220	7570	4120	9000	4930	10510	5790

R744	Capacity Ta = 38°C						Capacity Ta = 43°C					
CODE	Te -15°C		Te -10°C		Te -5°C		Te -15°C		Te -10°C		Te -5°C	
	max	min	max	min	max	min	max	min	max	min	max	min
HDM145X12022	2850	1430	3470	1760	4150	2140	2340	1170	2930	1460	3550	1780
HDM150X12032	4460	2290	5420	2830	6470	3440	3650	1880	4390	2350	5160	2890
HDM150X12052	7060	3820	8340	4590	9560	5400	5260	3180	6060	3880	6830	4570

OPTIONAL PRINCIPALI — MAIN OPTIONS

Allarme livello liquido	Liquid level alarm
Elettronica a corredo pre configurata	Preset electronic control supplied separately
Insonorizzazione semplice	Standard soundproofing
Insonorizzazione plus	Soundproofing plus

Per configurazioni diverse da quelle sopra indicate fare specifica richiesta — For configurations different from the above ones, make a specific request

9602-0070 REV 01_11/21

adkrio

MINI CENTRALI A CO_2 TRANSCRITICA
CO_2 TRANSCRITICAL MINI PACK SYSTEMS

COMPRESSORI SEMIERMETICI DORIN
DORIN SEMI-HERMETIC COMPRESSORS

MH_2 X

- SUPERMERCATO / SUPERMARKET
- CELLE FRIGORIFERE / COLD ROOMS
- BANCHI / COUNTERS
- MURALI E VETRINE / WALL AND DISPLAY CABINETS

GREEN SOLUTIONS

ECO DESIGN

- REFRIGERANTE NATURALE / NATURAL REFRIGERANT
- RISPARMIO ENERGETICO / ENERGY SAVING
- BASSA RUMOROSITÀ / LOW NOISE
- MEDIA TEMPERATURA / MEDIUM TEMPERATURE
- COMPRESSORE SEMIERMETICO / SEMI-HERMETIC COMPRESSOR
- RESA VARIABILE / VARIABLE CAPACITY (100% / 0%)
- EASY FIX / EASY FIX
- ANTIPIOGGIA / WEATHER PROOF
- CONTROLLO REMOTO VIA APP / REMOTE CONTROL BY APP

R744	MBP	
CAMPO DI ESERCIZIO OPERATING RANGE	-15°C ÷ -5°C (Te)	fino a 43 °C (Ta) / up to 43 °C (Ta)
POTENZA FRIGORIFERA REFRIGERATING CAPACITY	min 2780 / max 10060 ÷ min 10140 / max 35560 W	
PRESSIONI DI PROGETTO DESIGN PRESSURES	60 bar su lato di apirazione TN 80 bar interstadio-ricevitore e linea del liquido 120 bar sul lato di alta presione TN	60 bar on MT suction line 80 bar on midpressure receiver 120 bar on MT high pressure side

CARATTERISTICHE GENERALI

Grazie all'esperienza acquisita negli anni nel mondo dei prodotti a refrigerante naturale R 744, Rivacold propone le nuove centrali transcritiche con due compressori semi-ermetici.
Un concept di prodotto che incontra tutte le esigenze dei settori food retail, grande distribuzione e logistico, garantendo prestazioni elevate, massima affidabilità, sicurezza e risparmio energetico, anche grazie all'inverter sul primo compressore. Inoltre, il gas cooler integrato rende questa soluzione compatta, facile da trasportare e installare, anche in prossimità di abitazioni grazie ai livelli di insonorizzazione previsti come optional.
Le macchine sono selezionabili sul programma Select fino a 43°C di temperatura ambiente e possono essere abbinate agli evaporatori per impianti a CO_2, sempre garantiti dalla qualità Rivacold.

GENERAL FEATURES

Thanks to the experience gained over the years in the world of R 744 natural refrigerant products, Rivacold offers the new transcritical pack systems with two semi-hermetic compressors.
A product concept that meets all the needs of the food retail, large distribution and logistics sectors, ensuring high performance, maximum reliability, safety and energy saving, also thanks to the inverter on the first compressor. Furthermore, the integrated gas cooler makes this solution compact, easy to transport and install, even close to houses thanks to the optional soundproofing levels.
The machines can be selected on the Select program up to T amb. 43°C and can be combined with evaporators for CO_2 systems, always guaranteed by Rivacold quality.

RIVACOLD
MASTERING COLD

DATI TECNICI - TECHNICAL DATA

MINI PACK	ABSORPTION		COMPRESSORS			GAS COOLER FAN MOTORS		PIPE FITTINGS		LIQUID RECEIVER	PED	ONLY HOUSING		DIMENSIONS			NET WEIGHT
MODEL	POWER [W]	CURRENT [A]	MODEL	No.	m³/h	No. x Ø	m³/h	L [mm]	S [mm]	[liters]	CAT	Max LpA Noise 10m [dbA]	24h average Noise LpA 10m [dbA]	L [mm]	P [mm]	H [mm]	[kg]
H2DM245X11062	8.6	16.2	CD380H	2	3	2x450	8183.8	12	12	35	3	39.5	36.2	1920	860	1660	625
H2DM245X11092	12.7	24.9	CD4 75-4.7H	2	4.67	2x450	8183.8	17.2	17.2	35	3	39.5	36.2	1920	860	1660	690
H2DM250X11132	18.0	34.6	CD4 90-6.4H	2	6.4	2x500	13312.9	17.2	17.2	35	3	44.5	40.6	1920	860	1660	695
H2DM250X11162	23.0	41.7	CD4 90-7.3H + CD4 120-9.2H	1+1	7.28+9.21	2x500	13312.9	17.2	17.2	35	3	44.7	40.9	1920	860	1660	695

Gas cooler approach: in funzione della Temperatura Ambiente / Gas cooler approach: according to Ambient temperature
Pressione gas cooler: In funzione della Temperatura Ambiente / Gas cooler Pressure: according to Ambient temperature
Pressione intermedia al ricevitore: 50bar / Receiver Intermediate Pressure: 50bar
Sottoraffreddamento: 5K / Subcooling: 5K
Surriscaldamento utile MT: 10K / MT Useful superheat 10K
Assorbimento del compressore: Te -10°C (MBP); Tamb 35°C / Compressor absorption: Te -10°C (MBP); Tamb 35°C

TABELLA RESE - PERFORMANCE TABLES

R744	Capacity Ta = 32°C						Capacity Ta = 35°C					
CODE	Te -15°C		Te -10°C		Te -5°C		Te -15°C		Te -10°C		Te -5°C	
	max	min	max	min	max	min	max	min	max	min	max	min
H2DM245X11062	10060	2780	12170	3420	14400	4110	9230	2520	11250	3110	13400	3750
H2DM245X11092	15720	4550	18640	5490	21740	6510	14680	4170	17460	5040	20420	5990
H2DM250X11132	21240	6260	25210	7550	29350	8950	19840	5730	23620	6940	27580	8240
H2DM250X11162	26000	7090	30730	8550	35660	10140	24310	6490	28830	7860	33550	9340

R744	Capacity Ta = 38°C						Capacity Ta = 43°C					
CODE	Te -15°C		Te -10°C		Te -5°C		Te -15°C		Te -10°C		Te -5°C	
	max	min	max	min	max	min	max	min	max	min	max	min
H2DM245X11062	8380	2290	10380	2830	12490	3440	6870	1870	8620	2350	10600	2890
H2DM245X11092	13730	3830	16380	4650	19210	5540	11500	3180	13480	3910	15580	4720
H2DM250X11132	18570	5270	22120	6400	25970	7620	14970	4370	17450	5380	19890	6500
H2DM250X11162	22720	5960	27020	7240	31090	8630	16960	4950	19360	6090	21570	7360

OPTIONAL PRINCIPALI — MAIN OPTIONS

Allarme livello liquido	Liquid level alarm
Recupero calore su base remota per riscaldamento con valvola automatica a 3 vie per il by-pass (Heat Reclaim)	Remote heat recovery for ambient heating with automatic 3-ways valve for by-pass (Heat Reclaim)
Elettronica a corredo pre configurata	Preset electronic control supplied separately
Insonorizzazione semplice	Standard soundproofing
Insonorizzazione plus	Soundproofing plus

Per configurazioni diverse da quelle sopra indicate fare specifica richiesta — For configurations different from the above ones, make a specific request

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RIVACOLD
MASTERING COLD

CENTRALI MULTICOMPRESSORE COMPATTE A CO_2 TRANSCRITICA BOOSTER

CO_2 COMPACT TRANSCRITICAL BOOSTER MULTI-COMPRESSOR PACK SYSTEMS

COMPRESSORI SEMIERMETICI CON INVERTER
SEMI-HERMETIC COMPRESSORS WITH INVERTER

TX COMPACT

- SUPERMERCATO / SUPERMARKET
- CELLE FRIGORIFERE / COLD ROOMS
- MURALI E VETRINE / WALL AND DISPLAY CABINETS
- BANCHI / COUNTERS

GREEN SOLUTIONS

- REFRIGERANTE NATURALE / NATURAL REFRIGERANT
- RISPARMIO ENERGETICO / ENERGY SAVING
- BASSA RUMOROSITÀ / LOW NOISE
- MEDIA TEMPERATURA / MEDIUM TEMPERATURE
- BASSA TEMPERATURA / LOW TEMPERATURE
- COMPRESSORE SEMIERMETICO / SEMI-HERMETIC COMPRESSOR
- RESA VARIABILE / VARIABLE CAPACITY (100% / 0%)
- EASY FIX / EASY FIX
- OPTIONAL — ANTIPIOGGIA / WEATHER PROOF

R744	TD_C
	MBP/LBP
CAMPO DI ESERCIZIO (Te) OPERATING RANGE (Te)	-10°C ÷ -35°C
POTENZA FRIGORIFERA REFRIGERATING CAPACITY	13 ÷ 65 kW / 3 ÷ 16 kW
PRESSIONI DI PROGETTO DESIGN PRESSURES	30 bar su lato aspirazione BT / 30 bar on LT suction
	52 bar su lato aspirazione TN e mandata BT / 52 bar on MT suction and LT discharge
	60 bar interstadio-ricevitore / 60 bar on midpressure receiver
	120 bar sul lato di alta pressione / 120 bar on high pressure side

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CARACTERÍSTICAS GENERALES

Las centrales TX Compact dentro de las soluciones transcríticas de CO_2 de Rivacold son la opción ideal para supermercados pequeños y medianos: tiendas de proximidad, a menudo ubicadas en áreas habitadas o centros históricos donde el espacio dedicado a las máquinas siempre es muy limitado. El uso del R744 garantiza un bajo GWP con un bajo energético gracias al uso de sistemas Inverter en ambos circuitos. Una solución compacta pero no en rendimiento y capacidad de enfriamiento que puede alcanzar 65 kW en media temperatura y en baja temperatura hasta 16 kW (haciéndolas idóneas hasta aproximadamente 1000 m^2 de área de ventas en un supermercado).

MECÁNICAS

- Sistema booster R744 media y baja temperatura
- Presión de diseño:
  - 30 bar sector de aspiración BT
  - 52 bar sector de aspiración TN y descarga BT
  - 60 bar sector intermedio-recipiente
  - 120 bar sector de alta presión
- Compresores semiherméticos en circuito TN y BT
- Inverter en un compresor del circuito TN
- Inverter en un compresor del circuito BT
- Colector de aspiración con función separador de líquido con válvula de seguridad de alivio
- Colector de descarga en circuito TN
- Separador de aceite con filtro, visor y sensor de nivel en la línea de descarga TN
- Circuito de engrase común para TN y BT con solenoide de inyección en deposito de aceite
- Colector igualador de aceite común para circuito TN y BT
- Depósito de aceite con válvula de seguridad y control de presión
- Regulador electrónico de nivel de aceite, por compresor en TN y BT con función anti paro y vacío en caso de avería
- Recipiente de presión intermedia debidamente aislado, con válvula de seguridad, entrada de gas, salida de líquido y flash gas
- Filtro deshidratador con llave de servicio y visor de líquido con bypass para una sustitución segura del cartucho
- Filtro de aspiración con cartucho sustituible en circuito TN y BT
- Llaves de servició en todos los componentes de la planta (alta, media y baja presión)
- Aislamiento de los tubos de aspiración, líquido frío y todas las partes frías
- Válvula electrónica de contrapresión constante back-pressure (HPV)
- Intercambiador de flash gas para compresores TN
- Válvula electrónica de flash gas para el mantenimiento de la presión del recipiente intermedio

CIRCUITO DE CONTROL

- Presostato general de baja presión en TN y BT
- Presostato de seguridad de alta en TN y BT de acorde con la directiva PED
- Presostato automático general de protección de baja en TN y BT
- Sonda de temperatura y presión para la monitorización y control del sistema
- Monitorización de la temperatura de descarga y de aspiración para seguridad del sistema
- Manómetros de alta y baja presión en circuito TN y BT
- Presostato diferencial de aceite electrónico para compresores TN (donde se requiera)

PARTE ELÉCTRICAS

- Cuadro eléctrico incorporado
- Interruptor general con bloqueo de puerta
- Interruptores magnetotérmicos de protección en componentes de potencia y auxiliares
- Contactores para los compresores y ventiladores no gestionados por variador
- Circuitos auxiliares
- Bornero numerado y por colores de hilos según CEI EN 60204-1
- Control electrónico por microprocesador
- Indicadores luminosos tipo led
- Control y gestión de alarmas para todas las partes sensibles del circuito
- Sistema predispuesto para tele gestión

BANCADA

- Estructura autoportante en chapa de acero
- Acabado en pintura epoxi de todo el conjunto
- Cuadro de control y de potencia en chapa de espesor sobredimensionado, con doble puerta de cierre
- Embalaje estándar: palé de madera

OPCIONALES

- Sub enfriador con válvula termostática electrónica
- Unidad condensadora de Back-up para centrales sin carrozado
- Unidad condensadora de Back-up para centrales carrozadas
- Electrónica de emergencia
- Insonorización 1: carrozado con paneles laterales de apertura para una fácil intervención con insonorización estándar
- Insonorización 2: paneles carrozado con insonorización plus
- Embalaje: Jaula de madera
- Gas cooler remoto con ventiladores electrónicos EC

DATI TECNICI MODELLI BOOSTER - BOOSTER MODELS TECHNICAL DATA

			TD13_3	TD18_5	TD33_7	TD41_11	TD51_14	TD65_16
			TD0M009L002X0C200	TD0M013L003X0C200	TD0M021L005X0C200	TD0M028L007X0C200	TD0M036L009X0C200	TD0M041L010X0C200
REFRIGERANT	MT	[-]	R744 - CO2	R744 - CO2	R744 - CO2	R744 - CO2	R744 - CO2	R744 - CO2
	LT	[-]	R744 - CO2	R744 - CO2	R744 - CO2	R744 - CO2	R744 - CO2	R744 - CO2
Compressors MT	Q.ty	[n°]	2	2	2	2	2	2
	Model	[-]	CD475 - 4.7H	CD490-6.4H	CD1400H/ CD2000H	CD2400H	CD3000H	CD3401H
	Motor	[HP]	7.5	9	14+20	24	30	34
Compressors LT	Q.ty	[n°]	1	1	1	1	1	1
	Model	[-]	CDS101B	CDS181B	CDS301B	CDS381B	CDS401B	CDS501B
	Motor	[HP]	1	1.8	3	3.8	4	5
Remote Gas Cooler OPTIONAL	Type	[-]	with EC fan motors	with EC fan motors	with EC fan motors	with EC fan motors	with EC fan motors	with EC fan motors
	Model	[-]	RRCX015004VB	RRCX025005VB	RRCX026304SB	RRCX028004AB	RRCX028005SB	RRCX038004AB
	Fan motors	[n°]	1	2	2	2	2	3
	Diameter	[mm]	500	500	630	800	800	800
	Fan motors max speed	[rpm]	1420	1420	1080	735	925	735
ELECTRICAL ABSORPTION*	Absorbed power MT	[kW]	9.6	13.9	23.8	30.5	39.4	50
	Absorbed current MT	[A]	21	26.4	46.4	60.8	73.9	93.1
	Absorbed power LT	[kW]	0.7	1.2	1.7	2.5	3.4	3.9
	Absorbed current LT	[A]	2.6	3.8	7.5	7.2	8.3	10.6
LIQUID RECEIVER	Volume	[l]	60	60	60	60	60	60
PED	Category		4	4	4	4	4	4
CONNECTIONS	MT Suction	[mm]	12	17.2	17.2	21.3	21.3	21.3
	LT Suction	[mm]	10	12	16	16	22	22
	Gas cooler inlet	[mm]	12	17.2	21.3	21.3	26.9	26.9
	Gas cooler outlet	[mm]	12	17.2	17.2	21.3	21.3	26.9
	Liquid line	[mm]	12	17.2	17,2	21.3	21,3	26.9
DIMENSIONS (without housing)	L	[mm]	2060	2060	2060	2060	2060	2060
	P	[mm]	1000	1000	1000	1000	1000	1000
	H	[mm]	1850	1850	1850	1850	1850	1850
Noise 24h average LpA 10m (dBA)	Without housing	[dBA]	44	47.5	49	49.5	50.5	51.5
	Housing and standard insulation	[dBA]	36	39.5	41	41.5	42.5	43.5
	Housing and plus insulation	[dBA]	32	35.5	37	37.5	38.5	39.5

(*) Condizioni di calcolo per assorbimenti e rese frigorifere: Temperatura ambiente +36°C
Uscita gas cooler +39°C - Pressione intermedia 36 bar - Pressione ottimale al gas cooler 95 bar

(*) Calculation conditions for absorptions and refrigeration capacities: Ambient temperature +36°C
Gascooler outlet +39°C - Intermediate pressure 36 bar - Optimum pressure to gascooler 95 bar

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TABELLA RESE R744 TX COMPACT MODELLI BOOSTER
TX COMPACT BOOSTER MODELS R744 PERFORMANCE TABLE

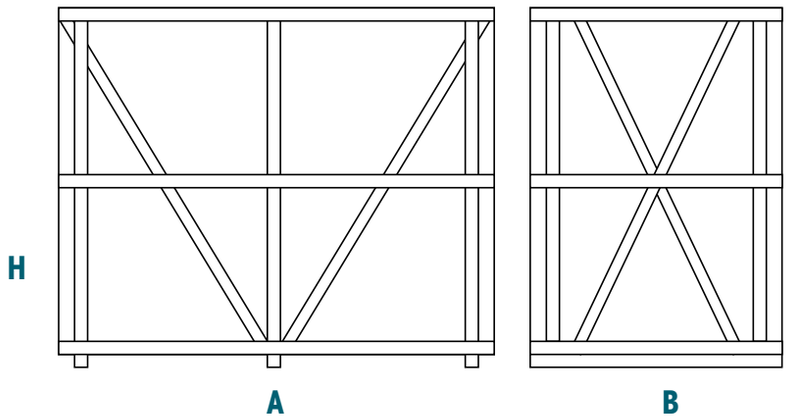
R744		Capacity Ta = 32°C		Capacity Ta = 38°C		Capacity Ta = 43°C	
REFERENCE	CODE	MT - 10°C (Te) [kW]	LT - 35°C (Te) [kW]	MT - 10°C (Te) [kW]	LT - 35°C (Te) [kW]	MT - 10°C (Te) [kW]	LT - 35°C (Te) [kW]
TD13_3	TD0M009L002X0C200	12.9	2.9	9.8	2.9	6.3	2.9
TD18_5	TD0M013L003X0C200	18.3	4.6	13.9	4.6	8.7	4.6
TD33_7	TD0M021L005X0C200	32.7	7.2	25.3	7.2	16.2	7.2
TD41_11	TD0M028L007X0C200	40.5	10.5	30.4	10.5	18.8	10.5
TD51_14	TD0M036L009X0C200	50.9	14.4	38.1	14.4	23.5	14.4
TD65_16	TD0M041L010X0C200	65	16.4	49.8	16.4	31.7	16.4

INGOMBRI MACCHINA - CONDENSING UNIT DIMENSIONS

OPTIONAL: IMBALLO TX COMPACT
OPTIONAL: PACKAGE TX COMPACT

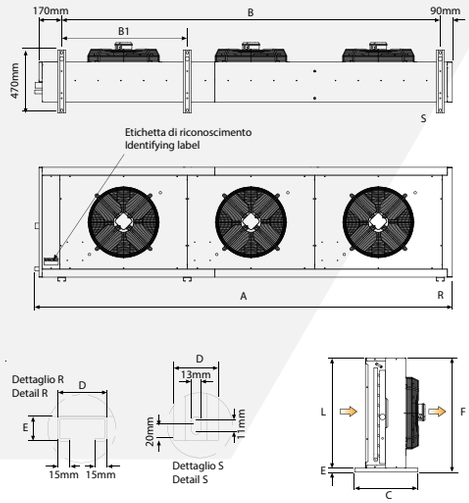
PACKAGE REF	WEIGHT (Kg)	DIMENSIONS A (mm)	B (mm)	H (mm)
without housing	259	2700	1500	2150
with housing	273	3000	1500	2400

GABBIA IN LEGNO
WOODEN CRATE



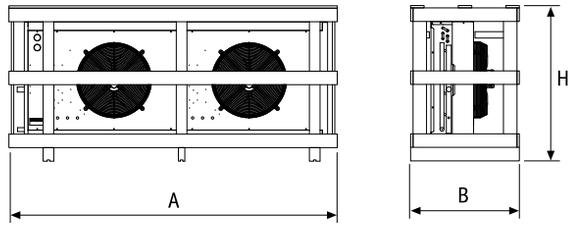
OPTIONAL: GAS COOLER REMOTO
OPTIONAL: REMOTE GAS COOLER

REF	NET WEIGHT (Kg)	DIMENSIONS							
		A (mm)	B (mm)	B1 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	L (mm)
RRCX015004VB	78.5	1183	923	-	525	60	30	849	819
RRCX025005VB	152.5	2133	1873						
RRCX035004VB	210	3083	2823	936,5					
RRCX026304SB	223,5	2433	2173	-	629	70	40	1165	1125
RRCX028004AB	302,1	2760	2373	-	906	70	40	1315	1275
RRCX028005SB	349,9								
RRCX038004AB	436,4	3960	3573	1186,5					



IMBALLO GAS COOLER
GAS COOLER PACKAGE

PACKAGE REF	WEIGHT (Kg)	DIMENSIONS (horizontal air flow)		
		A (mm)	B (mm)	H (mm)
RRCX01500_	36.5	1092	1359	765
RRCX02500_	55.5	1092	2309	765
RRCX03500_	63	1092	3259	765
RRCX02630_	77,5	1420	2640	915
RRCX02800_	95,1	1580	2960	1125
RRCX03800_	147,6	1580	4160	1125



CENTRALI MULTICOMPRESSORE A CO_2 TRANSCRITICA
CO_2 TRANSCRITICAL MULTICOMPRESSOR PACKS

COMPRESSORI SEMIERMETICI DORIN
DORIN SEMI-HERMETIC COMPRESSORS

TX

SUPERMERCATO
SUPERMARKET

CELLE FRIGORIFERE
COLD ROOMS

BANCHI
COUNTERS

MURALI E VETRINE
WALL AND DISPLAY CABINETS

GREEN SOLUTIONS

REFRIGERANTE NATURALE
NATURAL REFRIGERANT

RISPARMIO ENERGETICO
ENERGY SAVING

BASSA RUMOROSITÀ
LOW NOISE

MEDIA TEMPERATURA
MEDIUM TEMPERATURE

BASSA TEMPERATURA
LOW TEMPERATURE

COMPRESSORE SEMIERMETICO
SEMI-HERMETIC COMPRESSOR

RESA VARIABILE
VARIABLE CAPACITY

EASY FIX
EASY FIX

OPTIONAL
ANTIPIOGGIA
WEATHER PROOF

R744	TS	TB
	MBP	MBP/LBP
CAMPO DI ESERCIZIO (Te) OPERATING RANGE (Te)	-10°C (Tamb +32°C)	-10°C ÷ -30°C (Tamb +32°C)
POTENZA FRIGORIFERA REFRIGERATING CAPACITY	40.1 ÷ 186.4 kW	43 ÷ 279 / 9.6 ÷ 79.1 kW
PRESSIONI DI PROGETTO DESIGN PRESSURES	52 bar su lato di apirazione TN 60 bar interstadio-ricevitore e linea del liquido 120 bar sul lato di alta presione TN	30 bar su lato di aspirazione BT 52 bar su lato di aspirazione TN e mandata BT 60 bar interstadio-ricevitore e linea del liquido 120 bar sul lato di alta pressione TN
	52 bar on MT suction line 60 bar on midpressure receiver 120 bar on MT high pressure side	30 bar on LT suction line 52 bar on MT suction and LT discharge lines 60 bar midpressure receiver and liquid line 120 bar on MT high pressure side

RIVACOLD MASTERING COLD

CENTRALI MULTICOMPRESSORE A CO2 TRANSCRITICA MEDIA TEMPERATURA
CO2 TRANSCRITICAL MULTI-COMPRESSOR PACK SYSTEMS FOR MEDIUM TEMPERATURE

DATI TECNICI GAMMA TS - TS RANGE TECHNICAL DATA

			TS 40_0	TS 57_0	TS 99_0	TS 148_0	TS 186_0
			TD0M019L000X00200	TD0M028L000X00200	TD0M047L000X00200	TD0M071L000X00200	TD0M089L000X00200
REFRIGERANT		[-]	R744 - CO2	R744 - CO2	R744 - CO2	R744 - CO2	R744 - CO2
Compressors MT	Q.ty	[n°]	3	3	3	3	3
	Model	[-]	CD4 90-6.4H (Inverter) + 2 x CD4 90-6.4H	CD4 120-9.2H (Inverter) + 2 x CD4 120-9.2H	CD 2500H (Inverter) + 2 x CD 2500H	CD 3000H (Inverter) + 2 x CD 4501H	CD 3000H (Inverter) + 2 x CD 5201M
	Motor	[HP]	9 + 2 x 9	12 + 2 x 12	25 + 2 x 25	30 + 2 x 40	30 + 2 x 50
	Displacement	[m³/h]	6.4 + 2 x 6.4	9.2 + 2 x 9.2	15.7 + 2 x 15.7	17.8 + 2 x 26.5	17.8 + 2 x 35.5
Remote Gas cooler Standard Noise OPTIONAL	Type	[-]	EC fan motors	EC fan motors	EC fan motors	EC fan motors	EC fan motors
	Model	[-]	RRSX035005SB	RRSX026306SB	RRSX036306VB	RRCX048005AB	RRCX068004SB
	Fan motors	[n°]	2	2	3	4	6
	Diameter	[mm]	500	630	630	800	800
	Noise level [10m]	[dbA]	41.3 @1100rpm (max 1100)	47.5 @1080rpm (max 1080)	56.6 @1510rpm (max 1510)	41.0 @735rpm (max 735)	51.3 @925rpm (max 925)
Remote Gas cooler Low Noise OPTIONAL	Type	[-]	-	with EC fan motors	with EC fan motors	-	with EC fan motors
	Model	[-]	not available < 41.3 dbA	RRSX036306AB	RRCX038005NB	not available <41 dbA	RRCX068005NB
	Fan motors	[n°]	-	3	3	-	6
	Diameter	[mm]	-	630	800	-	800
	Noise level [10m]	[dbA]	-	36.1 @690rpm (max 690)	34.9 @600rpm (max 600)	-	37.8 @600rpm (max 600)
LIQUID RECEIVER	Volume	[l]	60	60	145	2 x 145	2 x 145
PED	Category	[-]	4	4	4	4	4
CONNECTIONS	MT suction	[mm]	21.3 - 7/8'' K65	21.3 - 7/8'' K65	26.9 - 1-1/8'' K65	33.7 - 1-3/8'' K65	42.4 - 1-5/8'' K65
	Gas cooler inlet	[mm]	17.2 - 5/8'' K65	21.3 - 7/8'' K65	26.9 - 1-1/8'' K65	33.7 - 1-3/8'' K65	42.4 - 1-5/8'' K65
	Gas cooler outet	[mm]	17.2 - 5/8'' K65	21.3 - 7/8'' K65	26.9 - 1-1/8'' K65	26.9 - 1-1/8'' K65	33.7 - 1-3/8'' K65
	Liquid line	[mm]	17.2 - 5/8'' K65	21.3 - 7/8'' K65	26.9 - 1-1/8'' K65	33.7 - 1-3/8'' K65	33.7 - 1-3/8'' K65
DIMENSIONS without housing	L	[mm]	4200	4200	4200	4200	4200
	P	[mm]	890	890	890	1180	1180
	H	[mm]	1940	1940	1940	1940	1940
WEIGHT without housing	-	[kg]	1700	1800	2000	2400	2400
DIMENSIONS with housing OPTIONAL	L	[mm]	4200	4200	4200	4200	4200
	P	[mm]	1200	1200	1200	1500	1500
	H	[mm]	2150	2150	2150	2150	2150
WEIGHT with housing OPT standard insulation	-	[kg]	2295	2395	2595	3020	3020
WEIGHT with housing OPT insulation PLUS	-	[kg]	2570	2670	2870	3330	3330

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TABELLA RESE ED ASSORBIMENTI* - ABSORPTION AND PERFORMANCE TABLE*

MULTICOMPRESSOR PACK		REFRIGERATING CAPACITY Ta = 32°C MT pressure discharge 90 bar Gas cooler outlet temperature 35°C		REFRIGERATING CAPACITY Ta = 35°C MT pressure discharge 95 bar Gas cooler outlet temperature 38°C		REFRIGERATING CAPACITY Ta = 38°C MT pressure discharge 100 bar Gas cooler outlet temperature 41°C		REFRIGERATING CAPACITY Ta = 43°C ** MT pressure discharge 100 bar Gas cooler outlet temperature 46°C	
REFERENCE	CODE	MT - 10°C (Te) [kW]	LT - 30°C (Te) [kW]	MT - 10°C (Te) [kW]	LT - 30°C (Te) [kW]	MT - 10°C (Te) [kW]	LT - 30°C (Te) [kW]	MT - 10°C (Te) [kW]	LT - 30°C (Te) [kW]
TS 40_0	TD0M019L000X00200	40.1	-	36.7	-	33.8	-	23.9	-
TS 57_0	TD0M028L000X00200	57.2	-	52.5	-	48.2	-	34.1	-
TS 99_0	TD0M047L000X00200	99.3	-	91.2	-	84.0	-	59.3	-
TS 148_0	TD0M071L000X00200	147.8	-	135.5	-	124.8	-	88.1	-
TS 186_0	TD0M089L000X00200	186.4	-	170.3	-	155.9	-	110.1	-

TABELLA ASSORBIMENTI R744 MODELLI BOOSTER TS - R744 TS ABSORPTION TABLE, BOOSTER MODELS

MULTICOMPRESSOR PACK		ABSORBED POWER Ta = 32°C		ABSORBED POWER Ta = 35°C		ABSORBED POWER Ta = 38°C		ABSORBED POWER Ta = 43°C	
REFERENCE	CODE	[kW]	[A]	[kW]	[A]	[kW]	[A]	[kW]	[A]
TS 40_0	TD0M019L000X00200	24.1	43.2	25.0	44.3	25.8	45.4	25.9	45.4
TS 57_0	TD0M028L000X00200	34.4	57.9	35.7	59.8	36.9	61.5	36.9	61.5
TS 99_0	TD0M047L000X00200	59.6	108.3	62.1	111.4	64.4	114.5	64.4	114.5
TS 148_0	TD0M071L000X00200	88.7	156.3	92.3	161.2	95.8	166.0	95.8	166.0
TS 186_0	TD0M089L000X00200	110.1	186.6	114.2	192.6	118.1	198.3	118.1	198.3

[*] Inverter MT @60hz; Superheat: MT 5K Useful / 10K Total, LT 5K Useful / 15K Total; FLG 7K;Receiver Pressure 38bar
[**] Ta>40°C per queste condizioni di applicazione contattare l'ufficio tecnico/commerciale: codice e prezzo finale della centrale possono essere modificati in base ad accorgimenti tecnici necessari al mantenimento delle alte prestazioni dell'impianto frigorifero / For this application conditions, please contact our technical/sales department: model number and final price could be changed on the base of necessary technical solution for the maintenace of the high performance of the plant

9602-0057 CAT REV 00_06/21

CENTRALI MULTICOMPRESSORE A CO2 TRANSCRITICA BOOSTER MEDIA E BASSA TEMPERATURA
CO2 BOOSTER TRANSCRITICAL MULTI-COMPRESSOR PACK SYSTEMS FOR MEDIUM AND LOW TEMPERATURE

DATI TECNICI GAMMA TB - TB RANGE TECHNICAL DATA

			TB 87_11	TB 88_10	TB 110_22	TB 43_48	TB 97_33
			TD0M047L006X00200	TD0M047L005X00200	TD0M064L011X00200	TD0M047L025X00200	TD0M064L017X00200
REFRIGERANT		[-]	R744 - CO2	R744 - CO2	R744 - CO2	R744 - CO2	R744 - CO2
Compressors MT	Q.ty	[n°]	3	3	3	3	3
	Model	[-]	CD 2500H (Inverter) + 2 x CD 2500H	CD 2500H (Inverter) + 2 x CD 2500H	CD 3000H (Inverter) + 2 x CD 3501H	CD 2500H (Inverter) + 2 x CD 2500H	CD 3000H (Inverter) + 2 x CD 3501H
	Motor	[HP]	25 + 2 x 25	25 + 2 x 25	30 + 2 x 35	25 + 2 x 25	30 + 2 x 35
	Displacement	[m³/h]	15.7 + 2 x 15.7	15.7 + 2 x 15.7	17.8 + 2 x 23.3	15.7 + 2 x 15.7	17.8 + 2 x 23.3
Compressors LT	Q.ty	[n°]	1	2	2	3	3
	Model	[-]	CDS351B	2 x CDS151B	2 x CDS351B	3 x CDS401B	3 x CDS351B
	Motor	[HP]	3.5	2 x 1.5	2 x 3.5	3 x 4.0	3 x 3.5
	Displacement	[m³/h]	5.5	2 x 2.5	2 x 5.5	3 x 8.2	3 x 5.5
Remote Gas cooler Standard Noise OPTIONAL	Type	[-]	EC fan motors	EC fan motors	EC fan motors	EC fan motors	EC fan motors
	Model	[-]	RRSX036306VB	RRSX036306VB	RRCX038005SB	RRSX036306VB	RRCX038005SB
	Fan motors	[n°]	3	3	3	3	3
	Diameter	[mm]	630	630	800	630	800
	Noise level [10m]	[dbA]	56.6 @1510rpm (max 1510)	56.6 @1510rpm (max 1510)	48.4 @925rpm (max 925)	56.6 @1510rpm (max 1510)	48.4 @925rpm (max 925)
Remote Gas cooler Low Noise OPTIONAL	Type	[-]	EC fan motors	EC fan motors	EC fan motors	EC fan motors	EC fan motors
	Model	[-]	RRCX038005NB	RRCX038005NB	RRCX048005AB	RRCX038005NB	RRCX048005AB
	Fan motors	[n°]	3	3	4	3	4
	Diameter	[mm]	800	800	800	800	800
	Noise level [10m]	[dbA]	34.9 @600rpm (max 600)	34.9 @600rpm (max 600)	41.0 @735rpm (max 735)	34.9 @600rpm (max 600)	41.0 @735rpm (max 735)
LIQUID RECEIVER	Volume	[l]	145	145	145	145	145
PED	Category	[-]	4	4	4	4	4
CONNECTIONS	MT suction	[mm]	26.9 - 1-1/8'' K65	26.9 - 1-1/8'' K65	26.9 - 1-1/8'' K65	17.2 - 5/8'' K65	26.9 - 1-1/8'' K65
	LT suction (Copper)	[mm]	16.0	16.0	22.0	28.0	22.0
	LT Discharge	[mm]	17.2 - 5/8'' K65	12.0 - 1/2'' K65	21.3 - 7/8'' K65	26.9 - 1-1/8'' K65	21.3 - 7/8'' K65
	Gas cooler inlet	[mm]	26.9 - 1-1/8'' K65	26.9 - 1-1/8'' K65	33.7 - 1-3/8'' K65	26.9 - 1-1/8'' K65	33.7 - 1-3/8'' K65
	Gas cooler outet	[mm]	26.9 - 1-1/8'' K65	26.9 - 1-1/8'' K65	26.9 - 1-1/8'' K65	26.9 - 1-1/8'' K65	26.9 - 1-1/8'' K65
	Liquid line	[mm]	26.9 - 1-1/8'' K65	26.9 - 1-1/8'' K65	26.9 - 1-1/8'' K65	26.9 - 1-1/8'' K65	26.9 - 1-1/8'' K65
DIMENSIONS without housing	L	[mm]	4200	4200	4200	4200	4200
	P	[mm]	890	890	1180	1180	1180
	H	[mm]	1940	1940	1940	1940	1940
WEIGHT without housing	-	[kg]	2000	2100	2300	2300	2400
DIMENSIONS with housing OPTIONAL	L	[mm]	4200	4200	4200	4200	4200
	P	[mm]	1200	1200	1500	1500	1500
	H	[mm]	2150	2150	2150	2150	2150
WEIGHT with housing OPT standard insulation	-	[kg]	2595	2695	2920	2920	3020
WEIGHT with housing OPT insulation PLUS	-	[kg]	2870	2970	3230	3230	3330

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CENTRALI MULTICOMPRESSORE A CO2 TRANSCRITICA BOOSTER MEDIA E BASSA TEMPERATURA
CO2 BOOSTER TRANSCRITICAL MULTI-COMPRESSOR PACK SYSTEMS FOR MEDIUM AND LOW TEMPERATURE

DATI TECNICI GAMMA TB - TB RANGE TECHNICAL DATA

			TB 126_48	TB 144_33	TB 89_79	TB 149_44
			TD0M088L025X00200	TD0M088L017X00200	TD0M088L042X00200	TD0M097L022X00200
REFRIGERANT		[-]	R744 - CO2	R744 - CO2	R744 - CO2	R744 - CO2
Compressors MT	Q.ty	[n°]	4	4	4	4
	Model	[-]	CD 3000H (Inverter) + 3 x CD 3501H	CD 3000H (Inverter) + 3 x CD 3501H	CD 3000H (Inverter) + 3 x CD 3501H	CD 3000H (Inverter) + 3 x CD 4501H
	Motor	[HP]	30 + 3 x 35	30 + 3 x 35	30 + 3 x 35	30 + 3 x 40
	Displacement	[m³/h]	17.8 + 3 x 23.3	17.8 + 3 x 23.3	17.8 + 3 x 23.3	17.8 + 3 x 26.4
Compressors LT	Q.ty	[n°]	3	3	4	4
	Model	[-]	3 x CDS401B	3 x CDS351B	4 x CDS501B	4 x CDS351B
	Motor	[HP]	3 x 4.0	3 x 3.5	4 x 5.0	4 x 3.5
	Displacement	[m³/h]	3 x 8.2	3 x 5.5	4 x 10.6	4 x 5.5
Remote Gas cooler Standard Noise OPTIONAL	Type	[-]	EC fan motors	EC fan motors	EC fan motors	EC fan motors
	Model	[-]	RRCX068004AB	RRCX068004AB	RRCX068004AB	RRCX068004SB
	Fan motors	[n°]	6	6	6	6
	Diameter	[mm]	800	800	800	800
	Noise level [10m]	[dbA]	42.8 @735rpm (max 735)	42.8 @735rpm (max 735)	42.8 @735rpm (max 735)	51.3 @925rpm (max 925)
Remote Gas cooler Low Noise OPTIONAL	Type	[-]	-	-	-	with EC fan motors
	Model	[-]	not available < 42.8 dbA	not available < 42.8 dbA	not available < 42.8 dbA	RRCX068005AB
	Fan motors	[n°]	-	-	-	6
	Diameter	[mm]	-	-	-	800
	Noise level [10m]	[dbA]	-	-	-	42.8 @735rpm (max 735)
LIQUID RECEIVER	Volume	[l]	2 x 145	2 x 145	2 x 145	2 x 145
PED	Category	[-]	4	4	4	4
CONNECTIONS	MT suction	[mm]	33.7 - 1-3/8'' K65	33.7 - 1-3/8'' K65	26.9 - 1-1/8'' K65	33.7 - 1-3/8'' K65
	LT suction (Copper)	[mm]	28.0	22.0	35.0	28.0
	LT Discharge	[mm]	26.9 - 1-1/8'' K65	21.3 - 7/8'' K65	33.7 - 1-3/8'' K65	26.9 - 1-1/8'' K65
	Gas cooler inlet	[mm]	42.4 - 1-5/8'' K65	42.4 - 1-5/8'' K65	42.4 - 1-5/8'' K65	42.4 - 1-5/8'' K65
	Gas cooler outet	[mm]	33.7 - 1-3/8'' K65	33.7 - 1-3/8'' K65	33.7 - 1-3/8'' K65	33.7 - 1-3/8'' K65
	Liquid line	[mm]	33.7 - 1-3/8'' K65	33.7 - 1-3/8'' K65	33.7 - 1-3/8'' K65	33.7 - 1-3/8'' K65
DIMENSIONS without housing	L	[mm]	5200	5200	5200	5200
	P	[mm]	1180	1180	1180	1180
	H	[mm]	1940	1940	1940	1940
WEIGHT without housing	-	[kg]	2900	2900	3200	3000
DIMENSIONS with housing OPTIONAL	L	[mm]	5300	5300	5300	5300
	P	[mm]	1500	1500	1500	1500
	H	[mm]	2150	2150	2150	2150
WEIGHT with housing OPT standard insulation	-	[kg]	3685	3685	3985	3785
WEIGHT with housing OPT insulation PLUS	-	[kg]	4065	4065	4365	4165

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RIVACOLD MASTERING COLD

CENTRALI MULTICOMPRESSORE A CO2 TRANSCRITICA BOOSTER MEDIA E BASSA TEMPERATURA
CO2 BOOSTER TRANSCRITICAL MULTI-COMPRESSOR PACK SYSTEMS FOR MEDIUM AND LOW TEMPERATURE

DATI TECNICI GAMMA TB - TB RANGE TECHNICAL DATA

			TB 172_48	TB 159_79	TB 237_79	TB 279_44
			TD0M111L025X00200	TD0M124L042X00200	TD0M160L042X00200	TD0M160L022X00200
REFRIGERANT		[-]	R744 - CO2	R744 - CO2	R744 - CO2	R744 - CO2
Compressors MT	Q.ty	[n°]	5	5	5	5
	Model	[-]	CD 3000H (Inverter) + 4 x CD 3501H	CD 3000H (Inverter) + 4 x CD 4501H	CD 3000H (Inverter) + 4 x CD 5201M	CD 3000H (Inverter) + 4 x CD 5201M
	Motor	[HP]	30 + 4 x 35	30 + 4 x 40	30 + 4 x 50	30 + 4 x 50
	Displacement	[m³/h]	17.8 + 4 x 23.3	17.8 + 4 x 26.4	17.8 + 4 x 35.5	17.8 + 4 x 35.5
Compressors LT	Q.ty	[n°]	3	4	4	4
	Model	[-]	3 x CDS401B	4 x CDS501B	4 x CDS501B	4 x CDS351B
	Motor	[HP]	3 x 4.0	4 x 5.0	4 x 5.0	4 x 3.5
	Displacement	[m³/h]	3 x 8.2	4 x 10.6	4 x 10.6	4 x 5.5
Remote Gas cooler Standard Noise OPTIONAL	Type	[-]	EC fan motors	EC fan motors	EC fan motors	EC fan motors
	Model	[-]	RRCX068005SB	RRCX068005SB	RRCX061004SB	RRCX061004SB
	Fan motors	[n°]	6	6	6	6
	Diameter	[mm]	800	800	1000	1000
	Noise level [10m]	[dbA]	51.3 @925rpm (max 925)	51.3 @925rpm (max 925)	56.6 @850rpm (max 850)	56.6 @850rpm (max 850)
Remote Gas cooler Low Noise OPTIONAL	Type	[-]	EC fan motors	EC fan motors	EC fan motors	EC fan motors
	Model	[-]	RRCX088004AB	RRCX088004AB	RRCX061005SB	RRCX061005SB
	Fan motors	[n°]	8	8	6	6
	Diameter	[mm]	800	800	1000	1000
	Noise level [10m]	[dbA]	43.9 @735rpm (max 735)	43.9 @735rpm (max 735)	46.9 @600rpm (max 850)	46.9 @600rpm (max 850)
LIQUID RECEIVER	Volume	[l]	2 x 145	2 x 145	2 x 145	2 x 145
PED	Category	[-]	4	4	4	4
CONNECTIONS	MT suction	[mm]	33.7 - 1-3/8'' K65	33.7 - 1-3/8'' K65	42.4 - 1-5/8'' K65	42.4 - 1-5/8'' K65
	LT suction (Copper)	[mm]	28.0	35.0	35.0	28.0
	LT Discharge	[mm]	26.9 - 1-1/8'' K65	33.7 - 1-3/8'' K65	33.7 - 1-3/8'' K65	26.9 - 1-1/8'' K65
	Gas cooler inlet	[mm]	42.4 - 1-5/8'' K65	42.4 - 1-5/8'' K65	48.3 - 1-7/8'' K65	48.3 - 1-7/8'' K65
	Gas cooler outet	[mm]	33.7 - 1-3/8'' K65	33.7 - 1-3/8'' K65	42.4 - 1-5/8'' K65	42.4 - 1-5/8'' K65
	Liquid line	[mm]	33.7 - 1-3/8'' K65	42.4 - 1-5/8'' K65	42.4 - 1-5/8'' K65	42.4 - 1-5/8'' K65
DIMENSIONS without housing	L	[mm]	5200	5200	5200	5200
	P	[mm]	1180	1180	1180	1180
	H	[mm]	1940	1940	1940	1940
WEIGHT without housing	-	[kg]	3400	3500	3500	3300
DIMENSIONS with housing OPTIONAL	L	[mm]	5300	5300	5300	5300
	P	[mm]	1500	1500	1500	1500
	H	[mm]	2150	2150	2150	2150
WEIGHT with housing OPT standard insulation	-	[kg]	4185	4285	4285	4085
WEIGHT with housing OPT insulation PLUS	-	[kg]	4565	4665	4665	4465

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TABELLA RESE R744 MODELLI BOOSTER TB* - R744 TB PERFORMANCE TABLE , BOOSTER MODELS*

MULTICOMPRESSOR PACK		REFRIGERATING CAPACITY Ta = 32°C MT pressure discharge 90 bar Gas cooler outlet temperature 35°C		REFRIGERATING CAPACITY Ta = 35°C MT pressure discharge 95 bar Gas cooler outlet temperature 38°C		REFRIGERATING CAPACITY Ta = 38°C MT pressure discharge 100 bar Gas cooler outlet temperature 41°C		REFRIGERATING CAPACITY Ta = 43°C ** MT pressure discharge 100 bar Gas cooler outlet temperature 46°C	
REFERENCE	CODE	MT - 10°C (Te) [kW]	LT - 30°C (Te) [kW]	MT - 10°C (Te) [kW]	LT - 30°C (Te) [kW]	MT - 10°C (Te) [kW]	LT - 30°C (Te) [kW]	MT - 10°C (Te) [kW]	LT - 30°C (Te) [kW]
TB 87_11	TD0M047L006X00200	86.8	10.9	78.8	10.9	71.4	10.9	47.0	10.9
TB 88_10	TD0M047L005X00200	88.3	9.6	80.1	9.6	72.7	9.6	48.4	9.6
TB 110_22	TD0M064L011X00200	109.8	21.8	98.9	21.8	88.7	21.8	56.6	21.8
TB 43_48	TD0M047L025X00200	43.0	47.8	35.6	47.8	28.6	47.8	6.4	47.8
TB 97_33	TD0M064L017X00200	97.1	32.7	86.3	32.7	76.3	32.7	44.5	32.7
TB 126_48	TD0M088L025X00200	126.3	47.8	111.9	47.8	98.5	47.8	55.2	47.8
TB 144_33	TD0M088L017X00200	143.8	32.7	129.2	32.7	115.6	32.7	71.7	32.7
TB 89_79	TD0M088L042X00200	89.4	79.1	75.5	79.1	62.5	79.1	20.6	79.1
TB 149_44	TD0M097L022X00200	149.3	43.7	133.3	43.7	118.5	43.7	70.5	43.7
TB 172_48	TD0M111L025X00200	172.1	47.8	154.0	47.8	137.0	47.8	83.2	47.8
TB 159_79	TD0M124L042X00200	159.4	79.1	139.7	79.1	121.4	79.1	63.1	79.1
TB 237_79	TD0M160L042X00200	236.8	79.1	209.3	79.1	183.5	79.1	107.1	79.1
TB 279_44	TD0M160L022X00200	279.0	43.7	250.9	43.7	224.5	43.7	146.4	43.7

TABELLA ASSORBIMENTI R744 MODELLI BOOSTER TB - R744 TB ABSORPTION TABLE, BOOSTER MODELS

MULTICOMPRESSOR PACK		ABSORBED POWER Ta = 32°C		ABSORBED POWER Ta = 35°C		ABSORBED POWER Ta = 38°C		ABSORBED POWER Ta = 43°C	
REFERENCE	CODE	[kW]	[A]	[kW]	[A]	[kW]	[A]	[kW]	[A]
TB 87_11	TD0M047L006X00200	61.8	113.35	64.3	116.4	66.6	119.6	66.6	119.6
TB 88_10	TD0M047L005X00200	61.7	112.8	64.1	115.9	66.5	119	66.5	119
TB 110_22	TD0M064L011X00200	86.3	14.5	89.7	161.3	93	165.8	93	165.8
TB 43_48	TD0M047L025X00200	68.9	28.4	71.4	130.5	73.7	133.6	73.7	133.6
TB 97_33	TD0M064L017X00200	88.5	21.7	91.9	166.3	95.2	170.8	95.2	170.8
TB 126_48	TD0M088L025X00200	119.4	28.4	124	222.8	128.5	228.8	128.5	228.8
TB 144_33	TD0M088L017X00200	116.7	21.7	121.3	218.8	125.8	224.9	125.8	224.9
TB 89_79	TD0M088L042X00200	125.3	45	129.9	233.5	134.4	239.6	134.4	239.6
TB 149_44	TD0M097L022X00200	129.2	29	134	238.9	138.7	245.4	138.7	245.4
TB 172_48	TD0M111L025X00200	147.6	28.4	153.4	275.3	159	282.3	159	282.9
TB 159_79	TD0M124L042X00200	167.2	45	173.3	306	179.3	314.3	179.3	314.3
TB 237_79	TD0M160L042X00200	209.9	45	217.1	368.8	224	379	224	379
TB 279_44	TD0M160L022X00200	203.4	348.6	210.7	359.2	217.5	369.3	217.5	369.3

[*] Inverter MT @60hz; Superheat: MT 5K Useful / 10K Total, LT 5K Useful / 15K Total; FLG 7K;Receiver Pressure 38bar
[**] Ta>40°C per queste condizioni di applicazione contattare l'ufficio tecnico/commerciale: codice e prezzo finale della centrale possono essere modificati in base ad accorgimenti tecnici necessari al mantenimento delle alte prestazioni dell'impianto frigorifero / For this application conditions, please contact our technical/sales department: model number and final price could be changed on the base of necessary technical solution for the maintenace of the high performance of the plant

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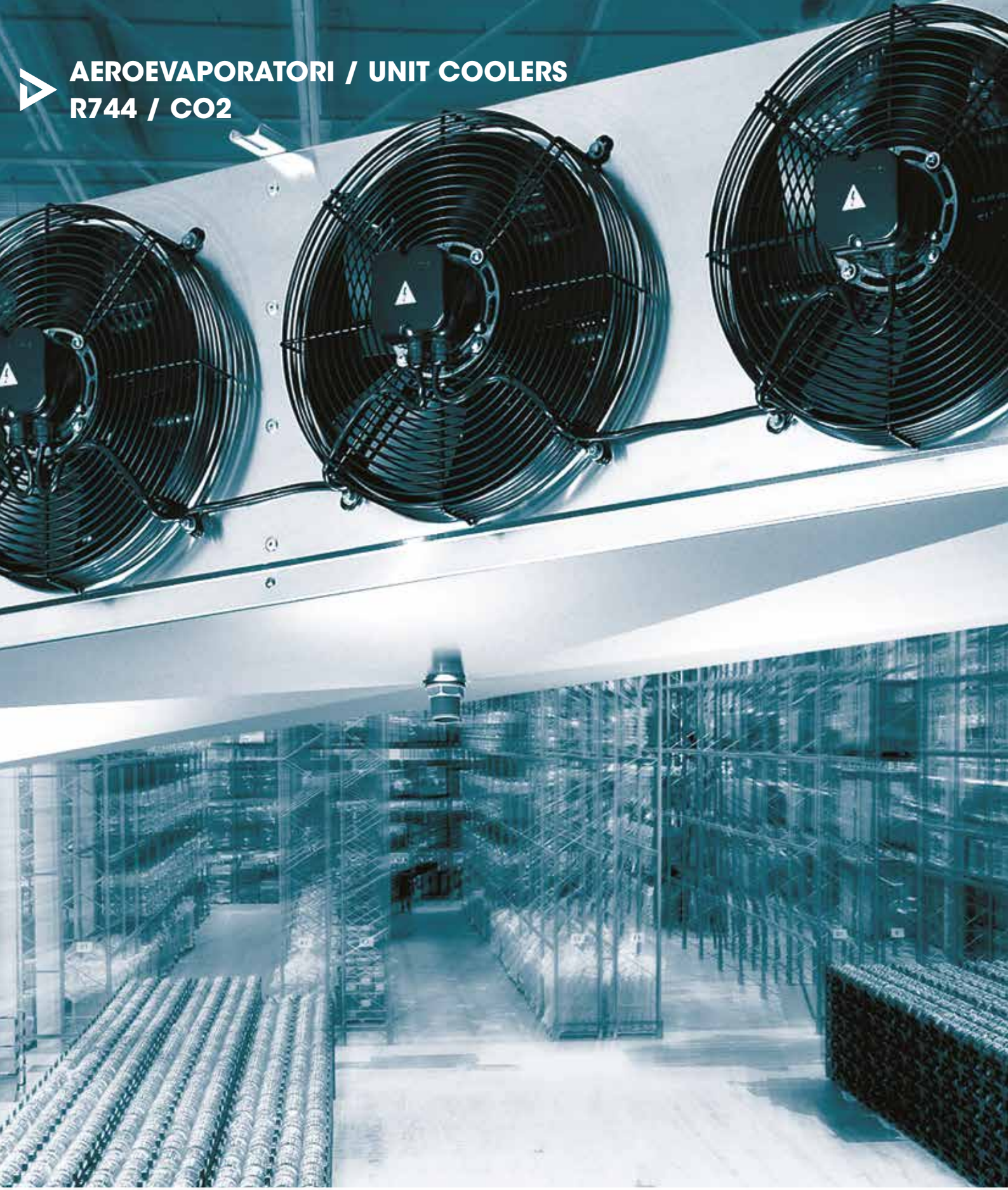
DATI DI RUMOROSITÀ - NOISE LEVELS DATA

MULTICOMPRESOR PACK		STANDARD		OPTIONAL			
		WITHOUT HOUSING		STEP 1 HOUSING WITH STANDARD INSULATION		STEP2 HOUSING WITH INSULATION PLUS	
REFERENCE	MODEL	MAX RPM	24h average LpA	MAX RPM	24h average LpA	MAX RPM	24h average LpA
		dBA [10m]	dBA [10m]	dBA [10m]	dBA [10m]	dBA [10m]	dBA [10m]
TS 40_0	TD0M019L000X00200	42.8	41.8	34.8	33.8	30.8	29.8
TS 57_0	TD0M028L000X00200	44.3	43.3	36.3	35.3	32.3	31.3
TS 99_0	TD0M047L000X00200	53.3	52.3	45.3	44.3	41.3	40.3
TS 148_0	TD0M071L000X00200	53.1	51.8	45.1	43.8	41.1	39.8
TS 186_0	TD0M089L000X00200	54.5	53.3	46.5	45.3	42.5	41.3
TB 87_11	TD0M047L006X00200	53.4	52.3	45.4	44.3	41.4	40.3
TB 88_10	TD0M047L005X00200	53.4	52.3	45.4	44.3	41.4	40.3
TB 110_22	TD0M064L011X00200	52.7	51.3	44.7	43.3	40.7	39.3
TB 43_48	TD0M047L025X00200	53.6	52.3	45.6	44.3	41.6	40.3
TB 97_33	TD0M064L017X00200	52.8	51.8	44.8	43.8	40.8	39.8
TB 126_48	TD0M088L025X00200	54.0	52.8	46.0	44.8	42.0	40.8
TB 144_33	TD0M088L017X00200	53.8	52.8	45.8	44.8	41.8	40.8
TB 89_79	TD0M088L042X00200	54.2	52.8	46.2	44.8	42.2	40.8
TB 149_44	TD0M097L022X00200	54.5	53.3	46.5	45.3	42.5	41.3
TB 172_48	TD0M111L025X00200	54.8	53.8	46.8	45.8	42.8	41.8
TB 159_79	TD0M124L042X00200	55.6	54.3	47.6	46.3	43.6	42.3
TB 237_79	TD0M160L042X00200	57.1	55.8	49.1	47.8	45.1	43.8
TB 279_44	TD0M160L022X00200	56.9	55.8	48.9	47.8	44.9	43.8

INGOMBRI MACCHINA (VEDI TABELLA CORRISPONDENTE)
PACK DIMENSIONS (SEE THE CORRESPONDING TABLE)

9602-0057 CAT REV 00_06/21

AEROEVAPORATORI / UNIT COOLERS
R744 / CO2



RIVACOLD
MASTERING COLD

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TABELLA / TABLE

(A)	RSIXB1250 RSIXB1250ED
(B)	RSIXB2250 RSIXB2250ED
(C)	RSIXB3250 RSIXB3250ED
(D)	RSIXB4250 RSIXB4250ED

(A)

(B)

(C)

(D)

adkrio

TABELLA / TABLE

(A)	RSIXB23503 RSIXB23503ED RSIXB23507 RSIXB23507ED
(B)	RSIXB33503 RSIXB33503ED RSIXB33507 RSIXB33507ED
(C)	RSIXB43503 RSIXB43503ED RSIXB43507 RSIXB43507ED

(A)

(B)

(C)

RIVACOLD
MASTERING COLD

AEROEVAPORATORI A SOFFITTO RSIX / RSIX CEILING UNIT COOLERS

Caratteristiche generali

Gli aeroevaporatori della serie RSIX sono stati ideati per essere installati in celle frigorifere per la conservazione di prodotti freschi e congelati.
Questa gamma presenta il vantaggio di avere una forma particolarmente compatta pur mantenendo una resa comparabile a quella della gamma RCX, consentendo applicazioni con un minimo ingombro in altezza all'interno della cella.
La gamma RSIX è disponibile con due differenti diametri di ventola e tre diversi passi alette a seconda dell'applicazione richiesta.
La versione ED, fornita con resistenze di sbrinamento già montate, è adatta per essere utilizzata alle basse temperature.
La gamma RSIX viene fornita di serie con motoventilatori elettronici EC (identificabili dalla lettera "B") e pala dal profilo speciale per combinare maggiore efficienza e minore consumo.
Le batterie della gamma sono state progettate per funzionare a una PS di lavoro che può arrivare fino a 75 bar: questo valore è un grande vantaggio sia in caso di fermo impianto (riduce la necessità di evacuazione di CO2) che di utilizzo della stessa batteria su celle da temperature negative (-40°C) a temperature positive fino al limite del condizionamento (+15°C).

General features

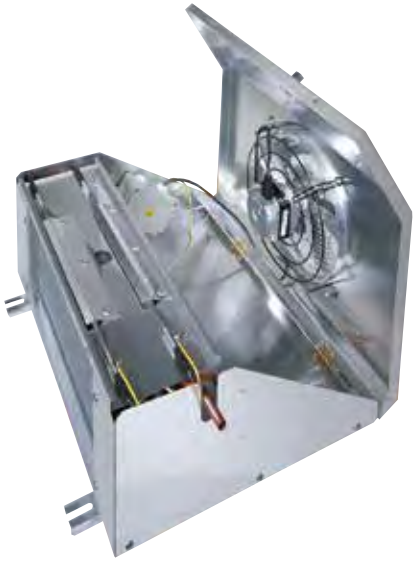
RSIX range unit coolers have been designed to be installed inside cold rooms suited for fresh and frozen goods storage.
This range has the advantage of having extremely compact dimensions and at the same time gives capacities comparable to the RCX range, this feature allows applications inside cold rooms with a minimum encumbrace in height.
RSIX range is available in two different fan diameters and three types of fin spacing according to the needed application.
The ED version is supplied with mounted defrosting heaters and is suitable for being used at low temperature applications.
The RSIX range is supplied as standard with EC fan motors (Identified by the letter "B") and blade with special profile for combine higher efficency and low absorption.
The heat exchangers of all the range have been designed for operating at a working pressure PS up to 75 bar: this value gives a big advantage in cases of the plant stop (it reduces possible needs of CO2 discharge) and also it enable the possible use of the same model for both low temperature coldrooms (-40°C) up to high temperature applications, close to the air conditioning limits (+15°C)

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 voltage
(for different voltages please contact our technical dept).

CARATTERISTICHE COSTRUTTIVE / MANUFACTURING FEATURES



Mod. RSIXB.250.. con resistenza montata e cablata su scatola di derivazione.

RSIXB.250.. model with defrosting heater mounted and wired on the unit cooler's terminal box.

Mod. RSIXB.250.. : lato collegamento frigorifero.

RSIXB.250.. model: pipe connection side.

Mod. RSIXB.350.. : con resistenza montata e cablata su scatola di derivazione.

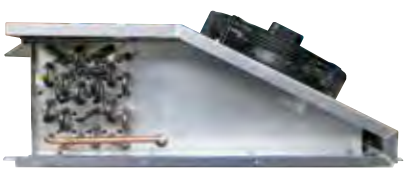
RSIXB.350.. model with defrosting heater mounted and wired on the unit cooler's terminal box.

Mod. RSIXB.350.. : lato collegamento elettrico.

RSIXV.350.. model: electrical connection side.

Mod. RSIXB.350.. : lato collegamento frigorifero.

RSIXB.350.. model: pipe connection side.



CARATTERISTICHE COSTRUTTIVE / MANUFACTURING FEATURES

Batteria

La gamma è costituita da due tipi di batterie costruite con alette in alluminio e tubo in rame: tubo da 5/16" con spessore maggiorato e geometria 25x21,65, per modelli con ventole di diametro da 250mm; tubo da 12 mm K65 spessore maggiorato con geometria 37,5x32,5 per i modelli con ventole da 350mm.
Le caratteristiche tecniche del tubo di rame K65 permettono di sopportare le maggiori sollecitazioni meccaniche della gamma RSIX con ventola da 350 mm.
I modelli con diametro ventola 250mm hanno una batteria con passo alette 5,3mm adatta per applicazioni di temperatura cella (Tc) da -40°C a +15°C.
I modelli con diametro ventole 350mm si suddividono a loro volta in due gruppi: modelli con passo alette da 3,5mm adatti per applicazioni di temperatura cella (Tc) da -5°C a +15°C; modelli con passo alette 7mm adatti per applicazioni di temperatura cella (Tc) da -40°C a +4°C.
La batteria viene collaudata con azoto ad una pressione di 75 bar.

Coil

The range consist of two tipes of coils, both made of aluminium fins and copper tube: 5/16" tube increated thickness with a geometry of 25x21,65, for models with 250mm fan diameter; 12mm K65 tube increated thicknesswith a geometry of 37,5x32,5 for models with 350mm fan diameter.
The technical features of the K65 copper tube allow to bear the higher mechanical stress of the RSIX range with 350mm fan motors.
The model types having 250mm fan diameter are fitted with a coil of 5,3mm fin spacing, suited for applications with a cold room temperature (Tc) from -40°C to +15°C. The model Types having 350mm fan diameter are made of two different groups: models with 3,5mm fin spacing suited for cold room temperature (Tc) from -5°C to +15°C; models with 7mm fin spacing suited for cold room temperature (Tc) from -40°C to +4°C.
The coils are tested with nitrogen at a pressure of 75 bar.

Motoventilatori

I motoventilatori utilizzati hanno le seguenti caratteristiche:

- **motoventilatore elettronico EC**
- **costruito nel rispetto delle norme EN 60335-1, con protezione termica interna**
- **diametro ventola da 250mm, inclinazione 28° con profilo speciale**
  - **alimentazione 230V/1/50-60Hz**
  - **grado di protezione IP55**
  - **classe di isolamento B**
  - **temperatura di funzionamento da -40°C a +50°C**
- **diametro ventola da 350mm, rotore esterno**
  - **alimentazione 200-240V/1/50-60Hz**
  - **grado di protezione IP54**
  - **classe di isolamento B**
  - **temperatura di funzionamento da -40°C a +40°C**
- **esecuzione elettrica conforme alla direttiva 73/23 CEE Bassa Tensione**

Fan motors

The fan motor models in use have the following features:

- EC fan motor
- Manufactured following EN 60335-1 laws, with internal thermal protection
- fan diameter 250mm, 28° inclination with special profile
  - power supply 230V/1/50-60Hz
  - IP55 protection rate
  - B insulation class
  - operating temperature -40°C to +50°C
- fan diameter 350mm, external rotor
  - power supply 200-240V/1/50-60Hz
  - IP54 protection rate
  - B insulation class
  - operating temperature -40°C a +40°C
- electrics made in conformity with 73/23 CEE Low Tension directive

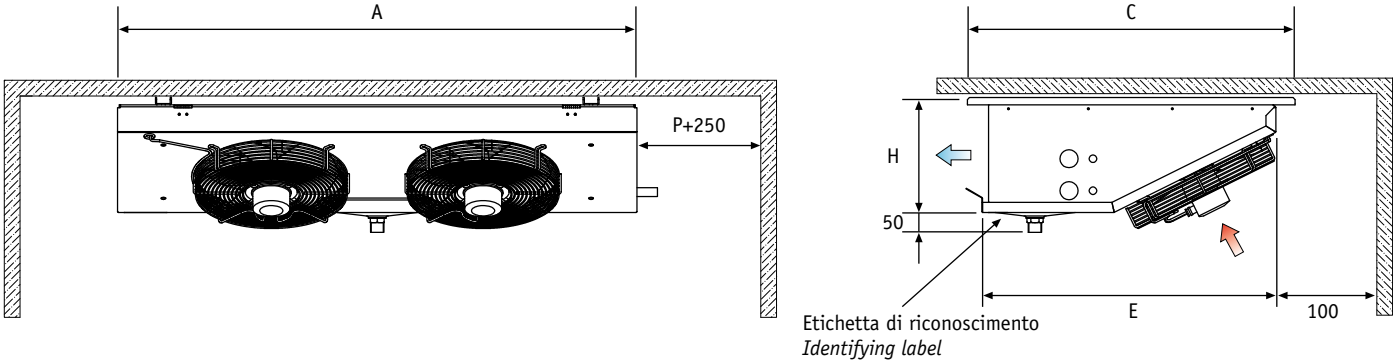
Carenatura

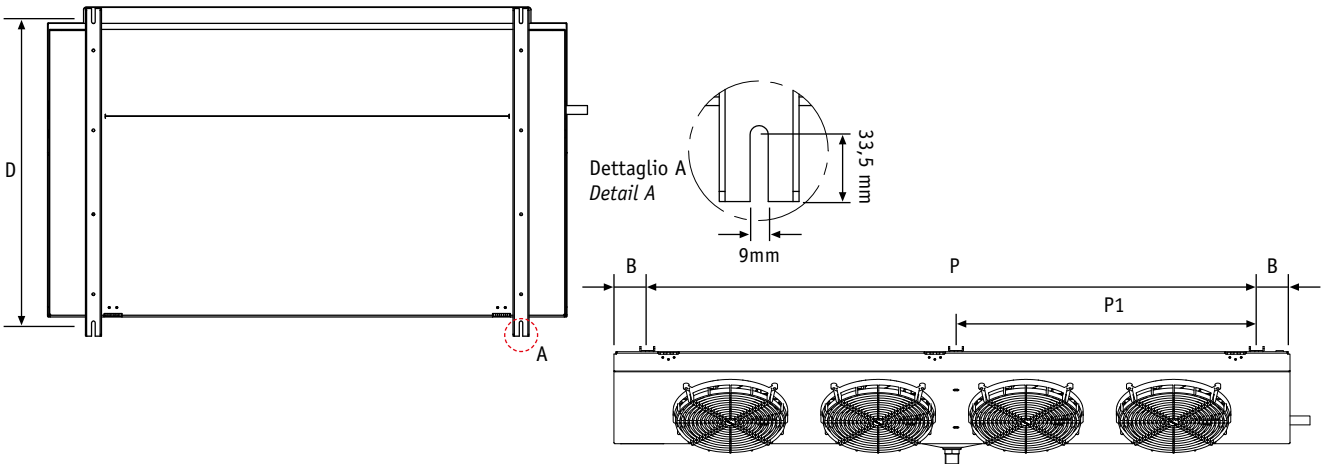
È realizzata in alluminio. Le soluzioni costruttive adottate conferiscono robustezza alla carenatura e garantiscono l'assenza di vibrazioni durante il funzionamento. Le viti, le rondelle e i dadi sono di acciaio inossidabile.

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.

CARATTERISTICHE COSTRUTTIVE / MANUFACTURING FEATURES





Serie **RSIX** / ***RSIX*** *Range*

Modello *Model*	RSIXB	1250-1250ED	2250-2250ED	3250-3250ED	4250-4250ED
Dimensioni *Dimensions* (mm)	A	565	935	1305	1675
	P	400	770	1140	1510
	P1	---	---	---	745
	B	82,5	82,5	82,5	82,5
	C	550	550	550	550
	D	483	483	483	483
	E	461	461	461	461
	H	241	241	241	241
Attacchi *Connections*	ø ingresso - *ø inlet*	10 mm	10 mm	10 mm	10 mm
	ø uscita - *ø outlet*	10 mm	10 mm	12 mm	12 mm
	ø scarico - *ø drain*	1/2" Gas (20mm)	1/2" Gas (20mm)	1" Gas (33mm)	1" Gas (33mm)

Serie **RSIX** / ***RSIX*** *Range*

Modello *Model*	RSIXB	23503-23503ED 23507-23507ED	33503-33503ED 33507-33507ED	43503-43503ED 43507-43507ED
Dimensioni *Dimensions* (mm)	A	1300	1750	2200
	P	1070	1520	1970
	P1	---	510	985
	B	115	115	115
	C	820	820	820
	D	753	753	753
	E	726	726	726
	H	287	287	287
Attacchi *Connections*	ø ingresso - *ø inlet*	12 mm	12 mm	12 mm
	ø uscita - *ø outlet*	12 mm	16 mm	16 mm
	ø scarico - *ø drain*	1" Gas (33mm)	1" Gas (33mm)	1" Gas (33mm)

CARATTERISTICHE TECNICHE / TECHNICAL FEATURES

Serie **RSIX** / ***RSIX*** *Range*

5,3 mm Passo alette / *Fin spacing* (Ø250)

Modello *Model*		**RSIXB**	**1250** **1250ED**	**2250** **2250ED**	**3250** **3250ED**	**4250** **4250ED**
Capacità ΔT 10 T.cella +2°C *Capacity ΔT 10 Room T. +2°C*		kW	1,08	2,24	3,52	4,60
Portata d'aria *Air flow*		m^3/h	554,7	1097,4	1640,0	2182,9
Freccia d'aria *Air throw*		m	6,5	7,0	8,5	9,5
Superficie totale *Total surface*		m^2	3,79	7,52	11,26	14,99
Volume circuito evaporatore *Unit cooler volume circuit*		dm^3	0,69	1,29	1,88	2,48
Motoventilatori *Fan motors*		n x Ømm	1x250	2x250	3x250	4x250
Assorbimento motori (*) *Motor power consumption*		A	0,26	0,51	0,77	1,02
		W	25	50	75	100
Sbrinamento elettrico (*) *Electrical defrost*		W	500	900	1300	1800
Peso netto *Net weight*	vers. standard *standard vers.*	kg	10,0	19,0	23,7	30,3
	vers. ED *ED vers.*	kg	10,5	20,0	25,2	32,3

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

Serie **RSIX** / ***RSIX*** *Range*

3,5 mm Passo alette / *Fin spacing* (Ø350)

Modello *Model*		**RSIXB**	**23503** **23503ED**	**33503** **33503ED**	**43503** **43503ED**
Capacità ΔT 10 T.cella +2°C *Capacity ΔT 10 Room T. +2°C*		kW	6,80	9,77	12,89
Portata d'aria *Air flow*		m^3/h	3112,4	4479,9	5840,2
Freccia d'aria *Air throw*		m	10,0	11,0	12,0
Superficie totale *Total surface*		m^2	25,23	35,99	46,84
Peso netto *Net weight*	vers. standard *standard vers.*	kg	35,3	48,8	58,0
	vers. ED *ED vers.*	kg	37,8	52,3	62,5

Serie **RSIX** / ***RSIX*** *Range*

7 mm Passo alette / *Fin spacing* (Ø350)

Modello *Model*		**RSIXB**	**23507** **23507ED**	**33507** **33507ED**	**43507** **43507ED**
Capacità ΔT 10 T.cella -20°C *Capacity ΔT 10 Room T. -20°C*		kW	4,21	5,61	7,93
Portata d'aria *Air flow*		m^3/h	3580,1	5167,8	6751,3
Freccia d'aria *Air throw*		m	12,0	12,5	13,0
Superficie totale *Total surface*		m^2	13,32	19,01	24,69
Peso netto *Net weight*	vers. standard *standard vers.*	kg	34,3	47,3	56,0
	vers. ED *ED vers.*	kg	36,8	50,8	60,5

CARATTERISTICHE TECNICHE / TECHNICAL FEATURES

Serie **RSIX** / ***RSIX*** *Range*

7 - 3,5 mm Passo alette / *Fin spacing* (Ø350)

Modello *Model*	**RSIXB**	**23503** **23503ED** **23507** **23507ED**	**33503** **33503ED** **33507** **33507ED**	**43503** **43503ED** **43507** **43507ED**
Volume circuito evaporatore *Evaporator circuit volume*	dm^3	3,84	5,36	6,90
Motoventilatori *Fan motors*	n x Ømm	2x350	3x350	4x350
Assorbimento motori (*) *Motor power consumption*	A	2,60	3,90	5,20
	W	320	480	640
Sbrinamento elettrico (*) *Electrical defrost*	W	2500	3622	4720

(*) Alimentazione elettrica: motoventilatori 230V/1/50Hz, sbrinamento elettrico predisposto per 400/3/50Hz
Power supply: fan motors 230/1/50Hz, electrical defrost preset 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 diametro ventola e del passo alette della macchina.
Per ogni passo alette si consiglia la seguente applicazione:
passo alette 3,5mm utilizzo ad una Tc ≥ +2°C
passo alette 5,3mm utilizzo ad una Tc ≥ -30°C
passo alette 7mm utilizzo ad una Tc ≥ -40°C a +4°C.
Inoltre tali rese vengono calcolate in funzione di un ΔT (differenza tra la temperature dell'aria in entrata e la temperatura di evaporazione del refrigerante) che va da 5°C a 10°C, utilizzando come refrigerante il gas R744.
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 fan diameter and fin spacing of the unit cooler.
For each different type of fin spacing we recommend to use the following applications:
3,5mm fin spacing, Tc ≥ +2°C
5,3mm fin spacing, Tc ≥ -30°C
7mm 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 R744 gas.
The parameters valid for the unit cooler choise 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.

RIVACOLD MASTERING COLD

POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

RSIXB1250 RSIXB1250ED

5,3 mm Passo alette / *Fin spacing* (Ø250)

	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	0,86	0,87	0,88	0,88	0,92	0,95	0,99	1,02	1,05	1,08	1,10	1,13	1,16	1,18	1,22	1,26
ΔT 9 UR/RH 79%	kW	0,76	0,76	0,76	0,76	0,80	0,83	0,86	0,90	0,92	0,95	0,97	1,00	1,04	1,09	1,12	1,15
ΔT 8 UR/RH 82%	kW	0,64	0,64	0,64	0,64	0,67	0,71	0,74	0,77	0,80	0,82	0,85	0,87	0,92	0,97	1,00	1,04
ΔT 7 UR/RH 85%	kW	0,51	0,51	0,51	0,51	0,54	0,57	0,60	0,63	0,66	0,69	0,72	0,74	0,79	0,84	0,87	0,91
ΔT 6 UR/RH 89%	kW	0,38	0,38	0,39	0,40	0,43	0,45	0,48	0,51	0,54	0,56	0,59	0,62	0,67	0,71	0,75	0,78
ΔT 5 UR/RH 93%	kW	0,26	0,27	0,28	0,29	0,31	0,33	0,36	0,38	0,42	0,46	0,50	0,54	0,56	0,58	0,62	0,65

RSIXB2250 RSIXB2250ED

5,3 mm Passo alette / *Fin spacing* (Ø250)

	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	1,53	1,62	1,70	1,79	1,87	1,96	2,04	2,13	2,19	2,24	2,30	2,36	2,40	2,44	2,48	2,51
ΔT 9 UR/RH 79%	kW	1,40	1,48	1,55	1,63	1,71	1,79	1,87	1,94	1,99	2,04	2,09	2,15	2,16	2,18	2,24	2,31
ΔT 8 UR/RH 82%	kW	1,27	1,33	1,40	1,46	1,53	1,60	1,68	1,75	1,79	1,84	1,89	1,93	1,96	1,98	2,04	2,10
ΔT 7 UR/RH 85%	kW	1,12	1,17	1,22	1,28	1,34	1,41	1,48	1,54	1,59	1,63	1,67	1,71	1,74	1,77	1,82	1,88
ΔT 6 UR/RH 89%	kW	0,96	1,00	1,03	1,07	1,13	1,20	1,27	1,33	1,37	1,42	1,46	1,51	1,54	1,57	1,62	1,68
ΔT 5 UR/RH 93%	kW	0,78	0,80	0,83	0,85	0,91	0,97	1,03	1,09	1,14	1,19	1,24	1,30	1,33	1,36	1,41	1,46

RSIXB3250 RSIXB3250ED

5,3 mm Passo alette / *Fin spacing* (Ø250)

	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	2,61	2,71	2,81	2,90	3,02	3,13	3,24	3,36	3,44	3,52	3,60	3,68	3,74	3,80	3,89	3,98
ΔT 9 UR/RH 79%	kW	2,40	2,47	2,53	2,60	2,71	2,81	2,92	3,03	3,11	3,18	3,26	3,33	3,39	3,45	3,54	3,64
ΔT 8 UR/RH 82%	kW	2,12	2,17	2,22	2,27	2,37	2,48	2,58	2,69	2,76	2,83	2,90	2,97	3,04	3,12	3,20	3,29
ΔT 7 UR/RH 85%	kW	1,83	1,85	1,88	1,91	2,01	2,12	2,22	2,32	2,39	2,46	2,53	2,61	2,68	2,76	2,85	2,93
ΔT 6 UR/RH 89%	kW	1,50	1,52	1,53	1,54	1,64	1,73	1,83	1,92	2,00	2,08	2,16	2,23	2,34	2,44	2,52	2,60
ΔT 5 UR/RH 93%	kW	1,14	1,15	1,15	1,15	1,25	1,34	1,44	1,53	1,64	1,75	1,86	1,97	2,03	2,09	2,17	2,25

RSIXB4250 RSIXB4250ED

5,3 mm Passo alette / *Fin spacing* (Ø250)

	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	3,13	3,32	3,50	3,69	3,86	4,02	4,19	4,36	4,48	4,60	4,72	4,84	4,92	5,01	5,09	5,17
ΔT 9 UR/RH 79%	kW	2,89	3,05	3,20	3,36	3,51	3,67	3,82	3,98	4,08	4,19	4,29	4,40	4,44	4,49	4,62	4,76
ΔT 8 UR/RH 82%	kW	2,64	2,76	2,88	3,01	3,15	3,29	3,44	3,58	3,67	3,77	3,86	3,95	4,01	4,07	4,19	4,32
ΔT 7 UR/RH 85%	kW	2,34	2,44	2,53	2,63	2,76	2,89	3,02	3,15	3,24	3,33	3,42	3,51	3,58	3,64	3,75	3,87
ΔT 6 UR/RH 89%	kW	2,00	2,06	2,13	2,20	2,33	2,46	2,60	2,73	2,82	2,91	3,00	3,09	3,16	3,23	3,34	3,45
ΔT 5 UR/RH 93%	kW	1,62	1,66	1,70	1,74	1,87	1,99	2,12	2,24	2,34	2,45	2,55	2,65	2,73	2,81	2,90	3,00

Tc = temperatura cella / *cold room temperature*
(*) Per modelli passo alette 5,3 mm, si consiglia un utilizzo ad una Tc ≥ +30°C / *For 5,3 mm fin spacing models we recommend to use the application Tc ≥ +30°C*

RIVACOLD MASTERING COLD

POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

RSIXB23503 RSIXB23503ED

3,5 mm Passo alette / *Fin spacing* (Ø350)

	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	6,51	6,65	6,80	6,94	7,09	7,22	7,35	7,44	7,53
ΔT 9 UR/RH 79%	kW	5,89	6,03	6,17	6,30	6,44	6,52	6,59	6,77	6,94
ΔT 8 UR/RH 82%	kW	5,25	5,39	5,52	5,65	5,79	5,87	5,95	6,14	6,32
ΔT 7 UR/RH 85%	kW	4,56	4,69	4,82	4,95	5,07	5,20	5,32	5,49	5,67
ΔT 6 UR/RH 89%	kW	3,81	3,97	4,12	4,27	4,42	4,58	4,74	4,93	5,12
ΔT 5 UR/RH 93%	kW	2,92	3,15	3,39	3,63	3,86	4,00	4,14	4,35	4,56

RSIXB33503 RSIXB33503ED

3,5 mm Passo alette / *Fin spacing* (Ø350)

	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	9,37	9,57	9,77	9,97	10,17	10,40	10,63	10,87	11,11
ΔT 9 UR/RH 79%	kW	8,29	8,50	8,71	8,92	9,13	9,39	9,64	9,92	10,20
ΔT 8 UR/RH 82%	kW	7,04	7,28	7,53	7,77	8,01	8,34	8,68	8,94	9,21
ΔT 7 UR/RH 85%	kW	5,69	5,95	6,20	6,45	6,70	7,17	7,63	7,93	8,22
ΔT 6 UR/RH 89%	kW	4,39	4,68	4,96	5,25	5,54	6,10	6,67	7,03	7,39
ΔT 5 UR/RH 93%	kW	2,82	3,32	3,81	4,31	4,80	5,12	5,45	5,93	6,42

RSIXB43503 RSIXB43503ED

3,5 mm Passo alette / *Fin spacing* (Ø350)

	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	12,34	12,62	12,89	13,17	13,44	13,69	13,93	14,14	14,34
ΔT 9 UR/RH 79%	kW	11,16	11,41	11,66	11,92	12,17	12,35	12,53	12,87	13,20
ΔT 8 UR/RH 82%	kW	9,88	10,13	10,38	10,63	10,88	11,10	11,32	11,67	12,01
ΔT 7 UR/RH 85%	kW	8,51	8,76	9,01	9,26	9,51	9,79	10,07	10,40	10,73
ΔT 6 UR/RH 89%	kW	6,92	7,25	7,58	7,91	8,24	8,60	8,96	9,32	9,68
ΔT 5 UR/RH 93%	kW	5,25	5,75	6,25	6,74	7,24	7,53	7,82	8,20	8,59

Tc = temperatura cella / *cold room temperature*
(*) Per modelli passo alette 3,5 mm, si consiglia un utilizzo ad una Tc ≥ +2°C / *For 3,5 mm fin spacing models we recommend to use the application Tc ≥ +2°C*

RIVACOLD MASTERING COLD

POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

RSIXB23507 RSIXB23507ED

7 mm Passo alette / *Fin spacing* (Ø350)

	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	3,76	3,85	3,95	4,05	4,21	4,37	4,54	4,70	4,80	4,90	5,00
ΔT 9 UR/RH 79%	kW	3,36	3,43	3,50	3,57	3,73	3,89	4,05	4,21	4,31	4,40	4,50
ΔT 8 UR/RH 82%	kW	2,92	2,96	3,00	3,03	3,19	3,35	3,50	3,66	3,76	3,86	3,97
ΔT 7 UR/RH 85%	kW	2,44	2,45	2,46	2,47	2,62	2,76	2,90	3,04	3,15	3,26	3,37
ΔT 6 UR/RH 89%	kW	1,88	1,90	1,93	1,95	2,08	2,21	2,34	2,47	2,59	2,70	2,82
ΔT 5 UR/RH 93%	kW	1,25	1,27	1,30	1,32	1,45	1,58	1,71	1,85	2,04	2,23	2,42

RSIXB33507 RSIXB33507ED

7 mm Passo alette / *Fin spacing* (Ø350)

	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	5,36	5,37	5,39	5,40	5,61	5,82	6,03	6,25	6,41	6,57	6,73
ΔT 9 UR/RH 79%	kW	4,55	4,56	4,57	4,58	4,78	4,99	5,19	5,39	5,55	5,71	5,87
ΔT 8 UR/RH 82%	kW	3,69	3,70	3,71	3,72	3,92	4,12	4,33	4,53	4,69	4,86	5,03
ΔT 7 UR/RH 85%	kW	2,73	2,74	2,75	2,76	2,95	3,15	3,34	3,54	3,74	3,94	4,14
ΔT 6 UR/RH 89%	kW	1,82	1,90	1,98	2,06	2,22	2,37	2,53	2,69	2,89	3,09	3,29
ΔT 5 UR/RH 93%	kW	1,19	1,29	1,39	1,49	1,60	1,71	1,83	1,94	2,21	2,49	2,76

RSIXB43507 RSIXB43507ED

7 mm Passo alette / *Fin spacing* (Ø350)

	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	7,24	7,37	7,50	7,63	7,93	8,23	8,52	8,82	9,01	9,19	9,38
ΔT 9 UR/RH 79%	kW	6,41	6,48	6,55	6,63	6,93	7,24	7,55	7,86	8,04	8,22	8,41
ΔT 8 UR/RH 82%	kW	5,50	5,53	5,56	5,58	5,87	6,16	6,44	6,73	6,94	7,14	7,35
ΔT 7 UR/RH 85%	kW	4,49	4,51	4,52	4,53	4,79	5,05	5,32	5,58	5,78	5,98	6,19
ΔT 6 UR/RH 89%	kW	3,38	3,39	3,39	3,40	3,67	3,93	4,20	4,47	4,70	4,93	5,16
ΔT 5 UR/RH 93%	kW	2,13	2,19	2,26	2,33	2,56	2,78	3,00	3,23	3,61	3,99	4,38

Tc = temperatura cella / *cold room temperature*

Lettura codice / *Model designation*

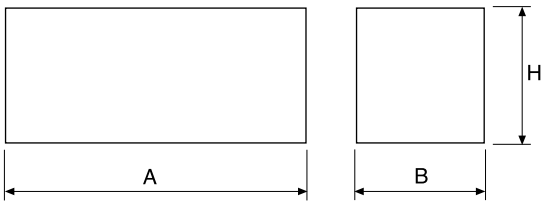
RSI X B 2 35 06 ED

- Con resistenza di sbrinamento / *With defrosting heater*
- Passo alette (*) / *Fin spacing*
- Ø ventole (cm) / *Fans Ø (cm)*
- Numero ventole / *Fans number*
- Motoventilatore elettronico EC / *EC fan motors*
- Gas R744 / *R744 gas*
- Serie / *Range*

(*) Per i modelli con ventola 250mm il passo alette non viene indicato nel codice perchè sempre uguale per tutti i modelli (=5,3mm)
For models having 250mm Ø fan, the fin spacing is not mentioned in the code as it is the same for all models (=5,3mm)

DIMENSIONI IMBALLI / PACKAGES DIMENSIONS

Codice *Code*	**Dimensioni imballo evaporatore** *Evaporator package dimensions*			
	A mm	**B** mm	**H** mm	**Peso** *Weight* kg
RSIXB1250..	660	550	300	3,0
RSIXB2250..	1030	550	300	4,0
RSIXB3250..	1400	550	300	5,0
RSIXB4250..	1770	550	300	6,0
RSIXB2350...	1400	970	420	12,6
RSIXB3350...	1850	970	420	16,8
RSIXB4350...	2300	970	420	18,8



RIVACOLD
MASTERING COLD

TABELLA / TABLE

(A)	RCXB12506 RCXB12506ED
(B)	RCXB22504 RCXB22504ED RCXB22506 RCXB22506ED
(C)	RCXB32504 RCXB32504ED RCXB32506 RCXB32506ED
(D)	RCXB42506 RCXB42506ED

(A)

(B)

(C)

(D)

RIVACOLD
MASTERING COLD

AEROEVAPORATORI CUBICI A SOFFITTO RCX / RCX CEILING CUBIC UNIT COOLERS

Caratteristiche generali

Gli aeroevaporatori della serie RCX 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 versione ED, fornita con resistenze di sbrinamento già montate, è adatta per essere utilizzata alle basse temperature.
La gamma RCX viene fornita di serie con motoventilatori elettronici EC (identificabili dalla lettera "B") e pala dal profilo speciale per combinare maggiore efficienza e minore consumo.
Il funzionamento in modalità aspirante del motoventilatore, evita la formazione di condensa sulla ventola.
Le batterie della gamma sono state progettate per funzionare a una PS di lavoro che può arrivare fino a 75 bar: questo valore è un grande vantaggio sia in caso di fermo impianto (riduce la necessità di evacuazione di CO2) che di utilizzo della stessa batteria su celle da temperature negative (-40°C) a temperature positive fino al limite del condizionamento (+15°C).

General features

RCX 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 RCX range is supplied as standard with EC fan motors (Identified by the letter "B") and blade with special profile for combine higher efficency and low absorption.
The fan motors operate in the suction mode and prevent the condensate forming on the fan.
The heat exchangers of all the range have been designed for operating at a working pressure PS up to 75 bar: this value gives a big advantage in cases of the plant stop (it reduces possible needs of CO2 discharge) and also it enable the possible use of the same model for both low temperature coldrooms (-40°C) up to high temperature applications, close to the air conditioning limits (+15°C)

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 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 (passo 5,3mm), e tubo da 5/16" spessore maggiorato e geometria 25x21,65. La batteria viene collaudata con azoto ad una pressione di 75 bar.

Motoventilatore
Il motoventilatore utilizzato ha le seguenti caratteristiche:

- **motoventilatore elettronico EC**
- **costruito nel rispetto delle norme EN 60335-1, con protezione termica interna**
- **diametro ventola 250 mm, inclinazione 28° con profilo speciale**
- **alimentazione 230V/1/50-60Hz**
- **grado di protezione IP55**
- **classe di isolamento B**
- **temperatura di funzionamento da -40°C a +50°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.

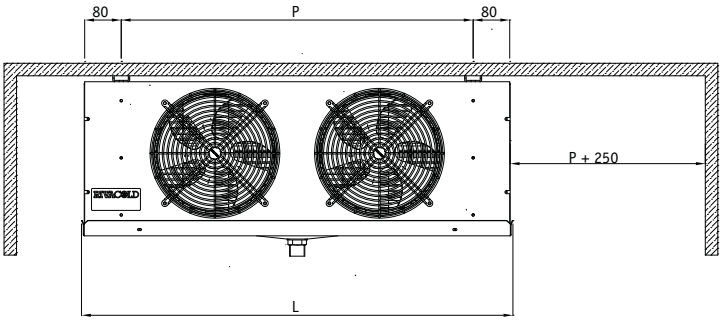
Coil
The coil is made of aluminium fins (fin spacing 5,3mm) and 5/16" increased thicknes and 25x21,65 geometry. It is tested with nitrogen at a pressure of 75 bar.

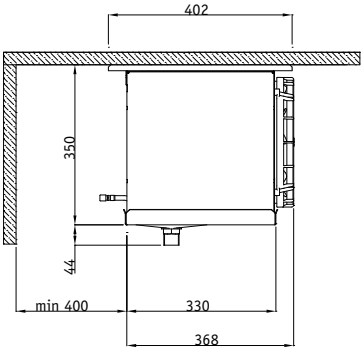
Fan motors
The fan motor model in use has the following features:

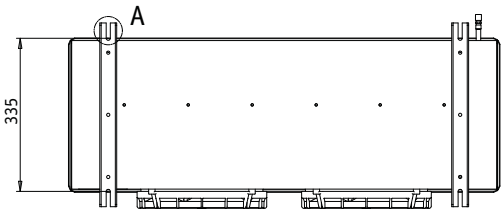
- EC fan motor
- manufactured following EN 60335-1 laws, with internal thermal protection
- fan diameter 250 mm, 28° inclination with special profile
- power supply 230V/1/50-60Hz
- IP55 protection rate
- B insulation class
- operating temperature from -40°C to +50°C
- electrics made in conformity with 2006/95/CE low tension directive

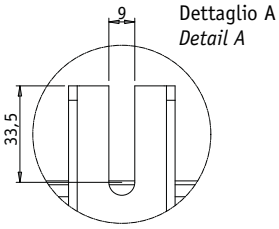
Housing
The housing is made of aluminium. The manufacturing solutions used give the housing strength and guarantee the absence of vibrations during the functioning.Screws, washers and nuts are made of stainless steel.

CARATTERISTICHE COSTRUTTIVE / MANUFACTURING FEATURES









Dettaglio A
Detail A

Serie **RCXB** / ***RCXB*** *Range*

Modello *Model*	RCXB	12506 12506ED	22504 22504ED	22506 22506ED	32504 32504ED	32506 32506ED	42506 42506ED
Dimensioni *Dimensions* (mm)	P	400	770	770	1140	1140	1510
	L	574	944	944	1314	1314	1684
Attacchi *Connections*	ø ingresso *ø inlet*	10 mm	10 mm	10 mm	10 mm	12 mm	12 mm
	ø uscita *ø outlet*	10 mm	10 mm	12 mm	12 mm	14 mm	14 mm
	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 **RCXB** / ***RCXB*** *Range*

5,3 mm Passo alette / *Fin spacing*

Modello *Model*		**RCXB**	**12506** **12506ED**	**22504** **22504ED**	**22506** **22506ED**	**32504** **32504ED**	**32506** **32506ED**	**42506** **42506ED**
Capacità ΔT 10 T.cella +2°C *Capacity ΔT 10 Room T. +2°C*		kW	1,54	2,37	3,20	3,75	4,71	6,21
Portata d'aria *Air flow*		m^3/h	729,9	1566,3	1450,7	2346,0	2171,4	2892,1
Freccia d'aria *Air throw*		m	7	7,5	7	7,5	7	7
Superficie totale *Total surface*		m^2	5,69	7,52	11,29	11,26	16,88	22,48
Volume circuito evaporatore *Unit cooler volume circuit*		dm^3	1,04	1,29	1,93	1,88	2,82	3,72
Motoventilatori *Fan motors*		n x Ømm	1x250	2x250	2x250	3x250	3x250	4x250
Assorbimento motori (*) *Motor power consumption*		A	0,26	0,51	0,51	0,77	0,77	1,02
		W	25	50	50	75	75	100
Sbrinamento elettrico (*) *Electrical defrost*		W	750	1350	1350	1950	1950	2700
Peso netto *Net weight*	vers. standard *standard vers.*	kg	11,9	19,4	22,9	28,0	33,2	43,9
	vers. ED *ED vers.*	kg	12,6	20,7	24,2	29,8	35,0	46,2

(*) 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 sono riportate le rese frigorifere calcolate per una 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 R744.
Per la gamma RCX si consiglia l'utilizzo ad una Tc ≥-30°C.
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, cercheremo 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 intel air temperature) from +5°C to +10°C, by using R744 gas.
For the range RCX we recommend to use the applications Tc ≥ -30°C.
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 check the model that, matching the line of the requested ΔT, will have a capacity equal or bigger than the heat load.

RIVACOLD MASTERING COLD

POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

RCXB12506 RCXB12506ED

	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	1,15	1,19	1,23	1,27	1,32	1,37	1,42	1,47	1,51	1,54	1,58	1,61	1,64	1,66	1,70	1,73
ΔT 9 UR/RH 79%	kW	1,04	1,07	1,10	1,13	1,18	1,23	1,28	1,33	1,36	1,39	1,42	1,45	1,48	1,51	1,55	1,59
ΔT 8 UR/RH 82%	kW	0,92	0,94	0,96	0,99	1,03	1,08	1,12	1,17	1,20	1,23	1,26	1,29	1,33	1,36	1,40	1,43
ΔT 7 UR/RH 85%	kW	0,79	0,80	0,82	0,83	0,87	0,92	0,96	1,00	1,03	1,06	1,09	1,12	1,17	1,21	1,24	1,28
ΔT 6 UR/RH 89%	kW	0,65	0,66	0,66	0,67	0,71	0,75	0,79	0,83	0,86	0,90	0,93	0,96	1,01	1,07	1,10	1,14
ΔT 5 UR/RH 93%	kW	0,49	0,49	0,50	0,50	0,54	0,58	0,62	0,66	0,71	0,75	0,80	0,84	0,88	0,91	0,95	0,99

RCXB22504 RCXB22504ED

	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	1,61	1,71	1,80	1,90	1,99	2,08	2,17	2,26	2,32	2,37	2,43	2,49	2,54	2,58	2,61	2,63
ΔT 9 UR/RH 79%	kW	1,47	1,56	1,64	1,73	1,81	1,90	1,98	2,06	2,11	2,17	2,22	2,27	2,29	2,30	2,36	2,43
ΔT 8 UR/RH 82%	kW	1,34	1,41	1,48	1,56	1,63	1,71	1,78	1,85	1,90	1,95	2,00	2,04	2,06	2,08	2,14	2,20
ΔT 7 UR/RH 85%	kW	1,19	1,25	1,31	1,37	1,43	1,50	1,57	1,64	1,68	1,73	1,77	1,82	1,84	1,86	1,92	1,97
ΔT 6 UR/RH 89%	kW	1,02	1,06	1,10	1,15	1,22	1,28	1,35	1,42	1,46	1,51	1,55	1,60	1,63	1,66	1,71	1,76
ΔT 5 UR/RH 93%	kW	0,83	0,86	0,89	0,92	0,98	1,05	1,11	1,18	1,23	1,27	1,32	1,36	1,40	1,43	1,48	1,53

RCXB22506 RCXB22506ED

	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	2,42	2,50	2,57	2,65	2,75	2,85	2,95	3,05	3,12	3,20	3,27	3,35	3,40	3,46	3,54	3,62
ΔT 9 UR/RH 79%	kW	2,20	2,25	2,30	2,35	2,45	2,55	2,65	2,75	2,82	2,89	2,96	3,02	3,08	3,14	3,23	3,32
ΔT 8 UR/RH 82%	kW	1,94	1,97	2,01	2,05	2,14	2,24	2,33	2,43	2,50	2,56	2,63	2,69	2,76	2,84	2,92	3,00
ΔT 7 UR/RH 85%	kW	1,66	1,68	1,70	1,72	1,81	1,90	1,98	2,07	2,14	2,21	2,28	2,35	2,43	2,52	2,60	2,67
ΔT 6 UR/RH 89%	kW	1,37	1,37	1,38	1,38	1,47	1,56	1,64	1,73	1,80	1,87	1,93	2,00	2,11	2,23	2,30	2,38
ΔT 5 UR/RH 93%	kW	1,03	1,03	1,03	1,03	1,12	1,20	1,28	1,37	1,47	1,57	1,67	1,78	1,84	1,90	1,98	2,07

RCXB32504 RCXB32504ED

	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	2,79	2,89	2,99	3,10	3,22	3,34	3,46	3,58	3,66	3,75	3,83	3,91	3,97	4,04	4,12	4,19
ΔT 9 UR/RH 79%	kW	2,55	2,63	2,71	2,79	2,90	3,01	3,13	3,24	3,32	3,40	3,47	3,55	3,60	3,66	3,75	3,85
ΔT 8 UR/RH 82%	kW	2,26	2,32	2,39	2,45	2,56	2,66	2,77	2,88	2,95	3,02	3,10	3,17	3,23	3,29	3,38	3,47
ΔT 7 UR/RH 85%	kW	1,95	1,99	2,03	2,06	2,18	2,29	2,39	2,50	2,57	2,64	2,71	2,78	2,85	2,93	3,01	3,09
ΔT 6 UR/RH 89%	kW	1,62	1,64	1,66	1,67	1,78	1,88	1,98	2,08	2,16	2,24	2,32	2,40	2,50	2,59	2,66	2,74
ΔT 5 UR/RH 93%	kW	1,25	1,25	1,25	1,25	1,35	1,45	1,55	1,65	1,76	1,88	1,99	2,10	2,16	2,22	2,30	2,37

Tc = temperatura cella / *cold room temperature*
(*) Per la gamma RCX, si consiglia un utilizzo ad una Tc ≥ -30°C / *For the RCX ramge we recommend to use the application Tc ≥ -30°C*

RIVACOLD MASTERING COLD

POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

RCXB32506 RCXB32506ED

	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	3,59	3,69	3,79	3,89	4,04	4,18	4,33	4,48	4,59	4,71	4,82	4,94	5,02	5,11	5,24	5,37
ΔT 9 UR/RH 79%	kW	3,23	3,30	3,38	3,45	3,59	3,74	3,89	4,03	4,14	4,24	4,35	4,46	4,56	4,66	4,79	4,93
ΔT 8 UR/RH 82%	kW	2,84	2,89	2,94	2,99	3,13	3,28	3,42	3,57	3,67	3,77	3,87	3,97	4,08	4,20	4,33	4,46
ΔT 7 UR/RH 85%	kW	2,43	2,46	2,49	2,51	2,64	2,77	2,90	3,03	3,13	3,24	3,35	3,45	3,59	3,73	3,85	3,97
ΔT 6 UR/RH 89%	kW	1,99	2,00	2,01	2,01	2,14	2,27	2,40	2,52	2,63	2,74	2,84	2,95	3,12	3,29	3,41	3,53
ΔT 5 UR/RH 93%	kW	1,48	1,49	1,50	1,51	1,63	1,75	1,87	2,00	2,15	2,30	2,46	2,61	2,71	2,81	2,94	3,07

RCXB42506 RCXB42506ED

	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	4,36	4,57	4,79	5,01	5,23	5,45	5,67	5,89	6,05	6,21	6,37	6,52	6,65	6,77	6,91	7,04
ΔT 9 UR/RH 79%	kW	4,02	4,20	4,37	4,55	4,75	4,96	5,16	5,36	5,51	5,65	5,80	5,95	6,02	6,09	6,28	6,47
ΔT 8 UR/RH 82%	kW	3,62	3,77	3,91	4,06	4,24	4,43	4,62	4,80	4,94	5,07	5,21	5,34	5,44	5,54	5,71	5,88
ΔT 7 UR/RH 85%	kW	3,17	3,28	3,39	3,50	3,68	3,87	4,05	4,23	4,35	4,48	4,61	4,73	4,84	4,94	5,10	5,26
ΔT 6 UR/RH 89%	kW	2,69	2,77	2,84	2,92	3,09	3,27	3,45	3,62	3,75	3,88	4,01	4,13	4,26	4,39	4,55	4,70
ΔT 5 UR/RH 93%	kW	2,17	2,21	2,25	2,30	2,46	2,62	2,79	2,95	3,11	3,27	3,43	3,59	3,70	3,81	3,96	4,10

Tc = temperatura cella / *cold room temperature*
(*) Per la gamma RCX, si consiglia un utilizzo ad una Tc ≥ -30°C / *For the RCX ramge we recommend to use the application Tc ≥ -30°C*

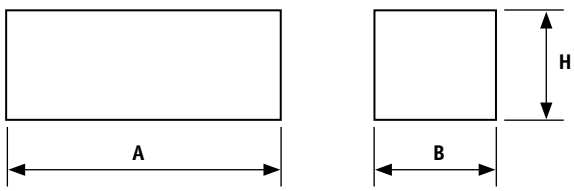
Lettura codice / *Model designation*

RC X B 1 25 06 ED

- Con resistenza di sbrinamento / *With defrosting heater*
- Numero ranghi / *Rows number*
- Ø ventole (cm) / *Fans Ø (cm)*
- Numero ventole / *Fans number*
- Motoventilatore elettronico EC / *EC fan motors*
- Gas R744 / *R744 gas*
- Serie / *Range*

DIMENSIONI IMBALLI / PACKAGES DIMENSIONS

Codice *Code*	**Dimensioni imballo evaporatore** *Evaporator package dimensions*			
	A mm	**B** mm	**H** mm	Peso Weight kg
RCXB1250.	660	430	410	2,5
RCXB2250.	1030	430	410	3,0
RCXB3250.	1400	430	410	3,5
RCXB4250.	1770	430	410	4,0



RIVACOLD
MASTERING COLD

TABELLA / TABLE

(A)	RCMXB1350604 RCMXB1350604ED RCMXB1350606 RCMXB1350606ED RCMXB1350608 RCMXB1350608ED
(B)	RCMXB2350404 RCMXB2350404ED RCMXB2350804 RCMXB2350804ED RCMXB2350406 RCMXB2350406ED RCMXB2350806 RCMXB2350806ED RCMXB2350408 RCMXB2350408ED RCMXB2350808 RCMXB2350808ED
(C)	RCMXB3350604 RCMXB3350604ED RCMXB3350606 RCMXB3350606ED RCMXB33500608 RCMXB3350608ED
(D)	RCMXB4350604 RCMXB4350604ED RCMXB4350606 RCMXB4350606ED RCMXB4350608 RCMXB4350608ED

(A)

(B)

(C)

(D)

RCMX

RIVACOLD
MASTERING COLD

AEROEVAPORATORI CUBICI A SOFFITTO RCMX / RCMX CEILING CUBIC UNIT COOLERS

Caratteristiche generali

Gli aeroevaporatori della serie RCMX 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 RCX che pur mantenendo dimensioni compatte, arriva a coprire rese maggiori, adatte per applicazioni su celle di media grandezza.
La gammna RCMX ø350 è disponibile in diverse combinazioni di passi alette e ranghi opportunamente dimensionati a seconda dell'applicazione richiesta.
La serie ED, fornita di resistenze di sbrinamento già montate, è adatta per essere utilizzata alle basse temperature. La gamma RCMX viene fornita di serie con motoventilatori elettronici EC (identificabili dalla lettera "B") e pala dal profilo speciale per combinare maggiore efficienza e minore consumo.
Il funzionamento in modalità aspirante del motoventilatore, evita la formazione di condensa sulla ventola.
Le batterie della gamma sono state progettate per funzionare a una PS di lavoro che può arrivare fino a 75 bar: questo valore è un grande vantaggio sia in caso di fermo impianto (riduce la necessità di evacuazione di CO2) che di utilizzo della stessa batteria su celle da temperature negative (-40°C) a temperature positive fino al limite del condizionamento (+15°C).

General features

RCMX ø350 range unit coolers have been designed to be installed inside
cold rooms suited for fresh and frozen goods storage.
This range completes the RCX range applications and though having extremely compact dimensions, reaches bigger capacities suited for medium size cold rooms.
RCMX ø350 range is available in different combinations of fin spacing dimensions and tube raws properly sized according to the needed applications.
The ED version is supplied with mounted defrosting heaters and is suitable for being used at low temperature applications.
The RCMX range is supplied as standard with EC fan motors (identified by the letter "B") and blade with special profile for combine higher efficency and low absorption.
The fan motor operate in the draw through mode and prevent the condensate forming on the fan.
The heat exchangers of all the range have been designed for operating at a working pressure PS up to 75 bar: this value gives a big advantage in cases of the plant stop (it reduces possible needs of CO2 discharge) and also it enable the possible use of the same model for both low temperature coldrooms (-40°C) up to high temperature applications, close to the air conditioning limits (+15°C)

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 voltage
(for different voltages please contact our technical dept).

Resistenza periferica su ogni venola con scatola di derivazione
Peripheral heater on any fan with junction box

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 K65 spessore maggiorato e geometria 37,5 x 32,5. Le caratteristiche tecniche del tubo di rame K65 permettono di sopportare le maggiori sollecitazioni meccaniche della gamma RCMX.
Gli RCMX ø350 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 ad una pressione di 75 bar.

Coil
The coil si made in aluminuim fins, 12mm K65 increased thickness copper tube and a geometry of 37,5 x 32,5.
The technical features of the K65 copper tube allow to bear the higher mechanical stress of the RCMX.
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 75 bar.

Motoventilatore
Il motoventilatore utilizzato ha le seguenti caratteristiche:

- **motoventilatore elettronico EC**
- **costruito nel rispetto delle norme EN 60335-1, con protezione termica interna**
- **diametro ventola 350 mm, rotore esterno**
- **alimentazione 200-240V/1/50-60Hz**
- **grado di protezione IP54**
- **classe di isolamento B**
- **temperatura di funzionamento da -40°C a +40°C**
- **esecuzione elettrica conforme alla direttiva 2006/95/CE Bassa Tensione**

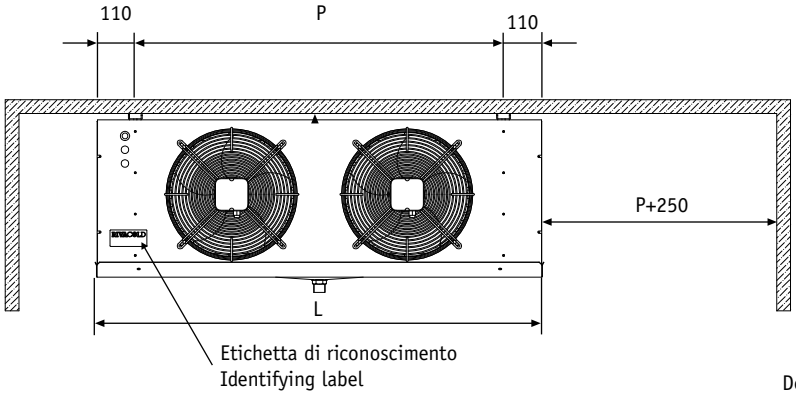
Fan motors
The fan motor models in use has the following features:

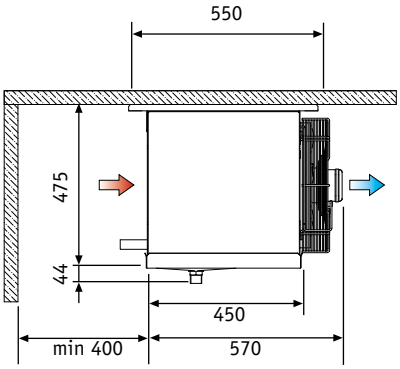
- EC fan motor
- manufactured following EN 60335-1 laws, with internal thermal protection
- fan diameter 350 mm, external rotor
- power supply 200-240V/1/50-60Hz
- IP44 protection rate
- B insulation class
- operating temperature from -40°C to +40°C
- electrics made in conformity with 2006/95/CE low tension directive

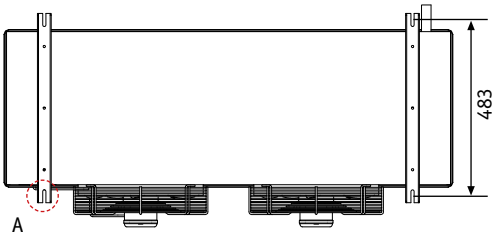
Carenatura
È realizzata in alluminio. Le soluzioni costruttive adottate conferiscono robustezza alla carenatura e garantiscono l'assenza di vibrazioni durante il funzionamento. Le viti, le rondelle e i dadi sono in acciaio inossidabile.

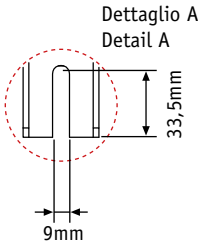
Housing
The housing is made of aluminium. The manufacturing solutions used give the housing strength and guarantee the absence of vibrations during the functioning.Screws, washers and nuts are made of stainless steel.

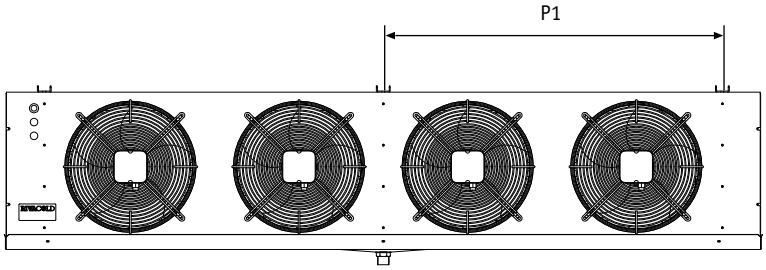
CARATTERISTICHE COSTRUTTIVE / MANUFACTURING FEATURES











Serie **RCMX** / ***RCMX*** *Range*

Modello *Model*	**RCMXB**	**1350604 1350604ED 1350606 1350606ED 1350608 1350608ED**	**2350404 2350404ED 2350406 2350406ED 2350408 2350608ED**	**2350804 2350804ED 2350806 2350806ED 2350808 2350808ED**	**3350604 3350604ED 3350606 3350606ED 3350608 3350608ED**	**4350604 4350604ED 4350606 4350606ED 4350608 4350608ED**
Dimensioni *Dimensions* (mm)	P	710	1070	1070	1520	1970
	P1	-	-	-	-	985
	L	944	1304	1304	1754	2204
Attacchi ***Connections***	ø ingresso *ø inlet*	12mm	12mm	12mm	12mm	12mm
	ø uscita *ø outlet*	12mm	12mm	16mm	16mm	18mm
	ø scarico *ø drain*	1" Gas (33mm)	1"Gas (33mm)	1"Gas (33mm)	1"Gas (33mm)	1"Gas (33mm)

CARATTERISTICHE TECNICHE / TECHNICAL FEATURES

Serie RCMX / *RCMX Range*

4 mm Passo alette / *Fin spacing*

Modello / *Model*		RCMXB	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	6,23	7,70	11,89	14,88	19,81
Portata d'aria *Air flow*		m^3/h	2660,3	5229,4	4247,4	6824,8	8969,4
Freccia d'aria *Air throw*		m	10	14	14	15	18
Superficie totale *Total surface*		m^2	24,29	24,67	49,33	52,95	68,77
Peso netto *Net weight*	vers. standard *standard vers.*	kg	30,6	34,5	49,0	52,0	65,2
	vers. ED *ED vers.*	kg	32,9	37,0	52,5	56,2	70,9

Serie RCMX / *RCMX Range*

6 mm Passo alette / *Fin spacing*

Modello / *Model*		RCMXB	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	4,98	5,95	10,00	12,08	15,90
Portata d'aria *Air flow*		m^3/h	2796,9	5477,0	4593,1	7297,5	9600,9
Freccia d'aria *Air throw*		m	11	14	14	16	21
Superficie totale *Total surface*		m^2	16,63	17,00	34,00	36,43	47,36
Peso netto *Net weight*	vers. standard *standard vers.*	kg	28,5	32,4	44,8	47,5	59,4
	vers. ED *ED vers.*	kg	30,8	34,9	48,3	51,7	65,1

Serie RCMX / *RCMX Range*

8 mm Passo alette / *Fin spacing*

Modello / *Model*		RCMXB	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	3,52	4,16	7,18	8,64	11,27
Portata d'aria *Air flow*		m^3/h	2837,1	5543,4	4700,0	7431,2	9778,8
Freccia d'aria *Air throw*		m	11	14	14	18	23
Superficie totale *Total surface*		m^2	12,93	13,13	26,25	28,11	36,53
Peso netto *Net weight*	vers. standard *standard vers.*	kg	27,5	31,3	42,7	45,2	56,4
	vers. ED *ED vers.*	kg	29,8	33,8	46,2	49,4	62,1

CARATTERISTICHE TECNICHE / TECHNICAL FEATURES

Serie **RCMX** / ***RCMX*** *Range*

Modello *Model*	**RCMXB**	**1350604** **1350604ED** **1350606** **1350606ED** **1350608** **1350608ED**	**2350404** **2350404ED** **2350406** **2350406ED** **2350408** **2350408ED**	**2350804** **2350804ED** **2350806** **2350806ED** **2350808** **2350808ED**	**3350604** **3350604ED** **3350606** **3350606ED** **3350608** **3350608ED**	**4350604** **4350604ED** **4350606** **4350606ED** **4350608** **4350608ED**
Volume circuito evaporatore Unit cooler volume circuit	dm^3	4,36	4,27	8,53	8,96	11,54
Motoventilatori Fan motors	n x Ømm	1x350	2x350	2x350	3x350	4x350
Assorbimento motori (*) Motor power consumption	A	1,30	2,60	2,60	3,90	5,20
	W	160	320	320	480	640
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 a +4°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 R744.
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 choise 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 intel air temperature and the gas evaporating temperature) from 5°C to 10°C, by using R744 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.

R744

RCM X 350 Ø

RIVACOLD MASTERING COLD

POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

RCMXB1350604 RCMXB1350604ED

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	5,92	6,07	6,23	6,38	6,53	6,66	6,78	6,90	7,02
ΔT 9 UR/RH 79%	kW	5,37	5,51	5,66	5,80	5,95	6,02	6,08	6,28	6,47
ΔT 8 UR/RH 82%	kW	4,78	4,91	5,05	5,18	5,31	5,41	5,52	5,71	5,89
ΔT 7 UR/RH 85%	kW	4,14	4,27	4,40	4,54	4,67	4,80	4,94	5,12	5,30
ΔT 6 UR/RH 89%	kW	3,43	3,59	3,75	3,91	4,08	4,24	4,41	4,60	4,80
ΔT 5 UR/RH 93%	kW	2,67	2,90	3,12	3,35	3,58	3,72	3,86	4,06	4,26

RCMXB2350404 RCMXB2350404ED

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	7,36	7,53	7,70	7,86	8,03	8,19	8,34	8,39	8,43
ΔT 9 UR/RH 79%	kW	6,71	6,86	7,01	7,16	7,32	7,36	7,41	7,61	7,81
ΔT 8 UR/RH 82%	kW	5,99	6,14	6,30	6,45	6,60	6,67	6,74	6,93	7,13
ΔT 7 UR/RH 85%	kW	5,25	5,40	5,55	5,70	5,86	5,94	6,02	6,22	6,41
ΔT 6 UR/RH 89%	kW	4,50	4,66	4,82	4,99	5,15	5,27	5,39	5,60	5,81
ΔT 5 UR/RH 93%	kW	3,62	3,82	4,02	4,23	4,43	4,58	4,74	4,96	5,17

RCMXB2350804 RCMXB2350804ED

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	11,28	11,58	11,89	12,20	12,50	12,75	13,00	13,27	13,53
ΔT 9 UR/RH 79%	kW	10,22	10,51	10,79	11,08	11,37	11,54	11,71	12,11	12,50
ΔT 8 UR/RH 82%	kW	9,07	9,33	9,60	9,86	10,12	10,37	10,62	11,01	11,39
ΔT 7 UR/RH 85%	kW	7,82	8,09	8,36	8,63	8,90	9,19	9,48	9,85	10,23
ΔT 6 UR/RH 89%	kW	6,42	6,74	7,06	7,39	7,71	8,09	8,47	8,86	9,25
ΔT 5 UR/RH 93%	kW	5,04	5,48	5,93	6,37	6,82	7,10	7,38	7,80	8,23

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 / REFRIGERATING OUTPUT

RCMXB3350604 RCMXB3350604ED

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	14,17	14,52	14,88	15,23	15,59	15,88	16,17	16,35	16,53
ΔT 9 UR/RH 79%	kW	12,92	13,24	13,55	13,86	14,17	14,31	14,46	14,89	15,32
ΔT 8 UR/RH 82%	kW	11,56	11,86	12,16	12,46	12,76	12,94	13,12	13,55	13,97
ΔT 7 UR/RH 85%	kW	10,13	10,43	10,74	11,04	11,35	11,54	11,74	12,15	12,57
ΔT 6 UR/RH 89%	kW	8,66	8,98	9,30	9,63	9,95	10,24	10,53	10,97	11,41
ΔT 5 UR/RH 93%	kW	6,90	7,33	7,76	8,20	8,63	8,93	9,24	9,70	10,16

RCMXB4350604 RCMXB4350604ED

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	18,92	19,36	19,81	20,25	20,69	21,09	21,48	21,85	22,23
ΔT 9 UR/RH 79%	kW	17,11	17,52	17,93	18,35	18,76	19,05	19,34	19,91	20,49
ΔT 8 UR/RH 82%	kW	15,22	15,63	16,05	16,46	16,87	17,19	17,51	18,08	18,65
ΔT 7 UR/RH 85%	kW	13,18	13,58	13,98	14,38	14,79	15,19	15,60	16,15	16,71
ΔT 6 UR/RH 89%	kW	10,93	11,41	11,89	12,38	12,86	13,39	13,92	14,51	15,10
ΔT 5 UR/RH 93%	kW	8,40	9,12	9,84	10,56	11,28	11,72	12,17	12,79	13,41

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*

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RCM X 350 Ø

RIVACOLD MASTERING COLD

POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

RCMXB1350606 RCMXB1350606ED

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	4,26	4,42	4,58	4,75	4,86	4,98	5,09	5,20	5,32	5,44	5,55	5,66
ΔT 9 UR/RH 79%	kW	3,79	3,95	4,11	4,28	4,38	4,49	4,59	4,70	4,81	4,92	5,07	5,21
ΔT 8 UR/RH 82%	kW	3,27	3,43	3,58	3,74	3,85	3,96	4,08	4,19	4,31	4,44	4,59	4,74
ΔT 7 UR/RH 85%	kW	2,72	2,86	3,00	3,14	3,26	3,37	3,49	3,60	3,78	3,96	4,11	4,26
ΔT 6 UR/RH 89%	kW	2,18	2,31	2,45	2,58	2,70	2,83	2,95	3,07	3,29	3,51	3,67	3,84
ΔT 5 UR/RH 93%	kW	1,59	1,73	1,86	1,99	2,18	2,36	2,55	2,73	2,88	3,02	3,21	3,40

RCMXB2350406 RCMXB2350406ED

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	5,09	5,29	5,49	5,69	5,82	5,95	6,07	6,20	6,32	6,43	6,54	6,65
ΔT 9 UR/RH 79%	kW	4,58	4,77	4,96	5,15	5,27	5,39	5,51	5,64	5,72	5,80	5,96	6,12
ΔT 8 UR/RH 82%	kW	4,02	4,21	4,39	4,57	4,68	4,80	4,92	5,03	5,14	5,25	5,40	5,56
ΔT 7 UR/RH 85%	kW	3,38	3,57	3,76	3,94	4,06	4,18	4,30	4,42	4,55	4,68	4,83	4,99
ΔT 6 UR/RH 89%	kW	2,70	2,88	3,06	3,23	3,38	3,53	3,67	3,82	4,00	4,19	4,35	4,52
ΔT 5 UR/RH 93%	kW	2,00	2,17	2,34	2,51	2,73	2,95	3,17	3,39	3,51	3,64	3,83	4,02

RCMXB2350806 RCMXB2350806ED

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	8,55	8,88	9,21	9,53	9,77	10,00	10,24	10,47	10,70	10,92	11,19	11,45
ΔT 9 UR/RH 79%	kW	7,61	7,93	8,25	8,57	8,79	9,01	9,23	9,45	9,68	9,91	10,22	10,53
ΔT 8 UR/RH 82%	kW	6,58	6,88	7,19	7,49	7,73	7,97	8,21	8,45	8,71	8,97	9,27	9,57
ΔT 7 UR/RH 85%	kW	5,47	5,75	6,04	6,32	6,55	6,79	7,02	7,26	7,62	7,98	8,28	8,59
ΔT 6 UR/RH 89%	kW	4,37	4,64	4,92	5,19	5,44	5,69	5,93	6,18	6,63	7,08	7,42	7,76
ΔT 5 UR/RH 93%	kW	3,25	3,51	3,76	4,02	4,39	4,76	5,13	5,50	5,80	6,10	6,49	6,89

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 / REFRIGERATING OUTPUT

RCMXB3350606 RCMXB3350606ED

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	10,34	10,74	11,14	11,54	11,81	12,08	12,35	12,62	12,85	13,09	13,33	13,57
ΔT 9 UR/RH 79%	kW	9,31	9,69	10,07	10,45	10,70	10,95	11,20	11,45	11,62	11,79	12,14	12,48
ΔT 8 UR/RH 82%	kW	8,19	8,56	8,92	9,28	9,51	9,75	9,99	10,23	10,47	10,70	11,05	11,39
ΔT 7 UR/RH 85%	kW	6,94	7,31	7,67	8,04	8,28	8,52	8,77	9,01	9,28	9,55	9,88	10,21
ΔT 6 UR/RH 89%	kW	5,60	5,94	6,28	6,62	6,92	7,22	7,52	7,82	8,18	8,53	8,89	9,25
ΔT 5 UR/RH 93%	kW	4,20	4,54	4,88	5,22	5,64	6,07	6,49	6,92	7,19	7,46	7,84	8,22

RCMXB4350606 RCMXB4350606ED

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	13,73	14,23	14,73	15,23	15,56	15,90	16,24	16,57	16,92	17,26	17,64	18,03
ΔT 9 UR/RH 79%	kW	12,24	12,72	13,21	13,69	14,00	14,31	14,63	14,94	15,30	15,66	16,12	16,58
ΔT 8 UR/RH 82%	kW	10,55	11,04	11,54	12,03	12,36	12,68	13,00	13,32	13,73	14,14	14,59	15,04
ΔT 7 UR/RH 85%	kW	8,72	9,18	9,64	10,10	10,47	10,83	11,20	11,57	12,07	12,58	13,02	13,46
ΔT 6 UR/RH 89%	kW	6,87	7,32	7,76	8,21	8,60	8,99	9,37	9,76	10,46	11,16	11,66	12,15
ΔT 5 UR/RH 93%	kW	4,95	5,39	5,84	6,28	6,92	7,55	8,18	8,82	9,22	9,62	10,20	10,79

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*

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RCM X 350 Ø

RIVACOLD MASTERING COLD

POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

RCMXB1350608 RCMXB1350608ED

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	3,17	3,24	3,31	3,38	3,52	3,66	3,80	3,93	4,03	4,13	4,22
ΔT 9 UR/RH 79%	kW	2,83	2,87	2,91	2,95	3,08	3,21	3,34	3,48	3,57	3,67	3,76
ΔT 8 UR/RH 82%	kW	2,45	2,47	2,50	2,52	2,64	2,76	2,88	3,01	3,10	3,19	3,28
ΔT 7 UR/RH 85%	kW	2,03	2,05	2,07	2,09	2,20	2,31	2,42	2,54	2,63	2,72	2,81
ΔT 6 UR/RH 89%	kW	1,58	1,60	1,61	1,63	1,74	1,85	1,96	2,07	2,17	2,27	2,37
ΔT 5 UR/RH 93%	kW	1,09	1,11	1,14	1,16	1,26	1,36	1,46	1,55	1,71	1,86	2,01

RCMXB2350408 RCMXB2350408ED

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	3,68	3,78	3,89	4,00	4,16	4,33	4,49	4,65	4,75	4,85	4,95
ΔT 9 UR/RH 79%	kW	3,29	3,38	3,46	3,55	3,70	3,86	4,02	4,18	4,27	4,37	4,46
ΔT 8 UR/RH 82%	kW	2,88	2,93	2,98	3,03	3,18	3,33	3,49	3,64	3,75	3,85	3,96
ΔT 7 UR/RH 85%	kW	2,43	2,45	2,48	2,50	2,64	2,78	2,92	3,05	3,16	3,27	3,38
ΔT 6 UR/RH 89%	kW	1,92	1,94	1,95	1,97	2,10	2,24	2,37	2,51	2,62	2,73	2,85
ΔT 5 UR/RH 93%	kW	1,35	1,36	1,38	1,39	1,53	1,66	1,79	1,93	2,11	2,28	2,46

RCMXB2350808 RCMXB2350808ED

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	6,55	6,66	6,78	6,90	7,18	7,46	7,74	8,03	8,22	8,42	8,62
ΔT 9 UR/RH 79%	kW	5,82	5,90	5,97	6,04	6,31	6,58	6,85	7,12	7,32	7,52	7,71
ΔT 8 UR/RH 82%	kW	5,06	5,09	5,12	5,16	5,41	5,66	5,91	6,16	6,35	6,54	6,73
ΔT 7 UR/RH 85%	kW	4,21	4,23	4,25	4,27	4,50	4,73	4,95	5,18	5,37	5,56	5,75
ΔT 6 UR/RH 89%	kW	3,29	3,30	3,31	3,32	3,55	3,78	4,01	4,24	4,44	4,65	4,86
ΔT 5 UR/RH 93%	kW	2,25	2,30	2,35	2,39	2,59	2,80	3,00	3,20	3,52	3,83	4,15

Tc = temperatura cella / *cold room temperature*
(*) Per modelli passo alette 8mm, si consiglia un utilizzo ad una Tc ≥ -35°C - *For 8mm fin spacing models we recommend to use the application Tc ≥ -35°C*

POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

RCMXB3350608 RCMXB3350608ED

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	7,65	7,87	8,09	8,31	8,64	8,97	9,29	9,62	9,84	10,05	10,27
ΔT 9 UR/RH 79%	kW	6,89	7,05	7,21	7,37	7,70	8,02	8,34	8,66	8,86	9,06	9,26
ΔT 8 UR/RH 82%	kW	6,05	6,14	6,24	6,34	6,66	6,98	7,30	7,62	7,82	8,03	8,23
ΔT 7 UR/RH 85%	kW	5,13	5,18	5,23	5,28	5,56	5,85	6,13	6,41	6,64	6,86	7,08
ΔT 6 UR/RH 89%	kW	4,13	4,14	4,15	4,17	4,45	4,73	5,01	5,30	5,53	5,76	5,99
ΔT 5 UR/RH 93%	kW	2,99	3,00	3,00	3,01	3,29	3,57	3,85	4,14	4,50	4,85	5,21

RCMXB4350608 RCMXB4350608ED

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	10,38	10,53	10,69	10,84	11,27	11,69	12,12	12,54	12,83	13,12	13,40
ΔT 9 UR/RH 79%	kW	9,19	9,28	9,36	9,45	9,88	10,31	10,74	11,17	11,44	11,71	11,98
ΔT 8 UR/RH 82%	kW	7,94	7,96	7,99	8,02	8,41	8,81	9,20	9,59	9,88	10,17	10,46
ΔT 7 UR/RH 85%	kW	6,53	6,55	6,56	6,58	6,94	7,30	7,66	8,02	8,31	8,60	8,89
ΔT 6 UR/RH 89%	kW	5,03	5,04	5,04	5,05	5,41	5,78	6,14	6,50	6,82	7,14	7,46
ΔT 5 UR/RH 93%	kW	3,34	3,41	3,49	3,56	3,88	4,19	4,50	4,81	5,33	5,84	6,36

Tc = temperatura cella / *cold room temperature*
(*) Per modelli passo alette 8mm, si consiglia un utilizzo ad una Tc ≥ -35°C - *For 8mm fin spacing models we recommend to use the application Tc ≥ -35°C*

Lettura codice / *Model designation*

RCM X B 2 35 08 06 ED

- Con resistenza di sbrinamento / *With defrosting heater* — 06
- Passo alette / *Fin spacing* — 06
- Numero ranghi / *Rows number* — 08
- Ø ventole (cm) / *Fans Ø (cm)* — 35
- Numero ventole / *Fans number* — 2
- Motoventilatore elettronico EC / *EC fan motor* — B
- Gas R744 / *R744 gas* — X
- Serie / *Range* — RCM

DIMENSIONI IMBALLI / PACKAGES DIMENSIONS

Codice *Code*	Dimensioni imballo evaporatore *Evaporator package dimensions*			
	A mm	B mm	H mm	Peso Weight kg
RCMXB1350..	990	715	600	7,2
RCMXB2350..	1350	715	600	12,0
RCMXB3350..	1800	715	600	15,0
RCMXB4350..	2250	715	600	18,0

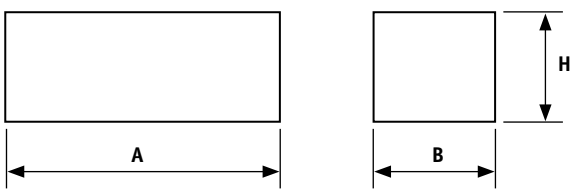


TABELLA / TABLE

(A)	RDFXB2250 RDFXB2250ED
(B)	RDFXB3250 RDFXB3250ED
(C)	RDFXB4250 RDFXB4250ED

(A)

(B)

(C)

TABELLA / TABLE

(A)	RDFXB23503 RDFXB23503ED RDFXB23507 RDFXB23507ED
(B)	RDFXB33503 RDFXB33503ED RDFXB33507 RDFXB33507ED
(C)	RDFXB43503 RDFXB43503ED RDFXB43507 RDFXB43507ED
(D)	RDFXB53503 RDFXB53503ED RDFXB53507 RDFXB53507ED

(A)

(B)

(C)

(D)

RDFX

RIVACOLD
MASTERING COLD

AEROEVAPORATORI CUBICI A SOFFITTO RDFX / RDFX CEILING CUBIC UNIT COOLERS
DOPPIO FLUSSO *DUAL AIR FLOW*

Caratteristiche generali

Gli aeroevaporatori della serie RDFX sono stati ideati per essere installati in celle frigorifere per la conservazione di prodotti freschi e congelati. La caratteristica principale di questa gamma è quella di gettare aria da entrambi i lati; questo consente il posizionamento dell'evaporatore al centro della cella favorendo un ricircolo d'aria uniforme a vantaggio di un'ottima conservazione del prodotto.
La gamma RDFX è disponibile con 2 differenti diametri di ventole e 3 diversi passi alette a seconda dell'applicazione richiesta.
La serie ED, fornita di resistenze di sbrinamento già montate, è adatta per essere utilizzata alle basse temperature.
La gamma RDFX è disponibile con due differenti diametri di ventola e tre diversi passi alette a seconda dell'applicazione richiesta.
La versione ED, fornita con resistenze di sbrinamento già montate, è adatta per essere utilizzata alle basse temperature.
La gamma RDFX viene fornita di serie con motoventilatori elettronici EC (identificabili dalla lettera "B") e pala dal profilo speciale per combinare maggiore efficienza e minore consumo.
Le batterie della gamma sono state progettate per funzionare a una PS di lavoro che può arrivare fino a 75 bar: questo valore è un grande vantaggio sia in caso di fermo impianto (riduce la necessità di evacuazione di CO2) che di utilizzo della stessa batteria su celle da temperature negative (-40°C) a temperature positive fino al limite del condizionamento (+15°C).

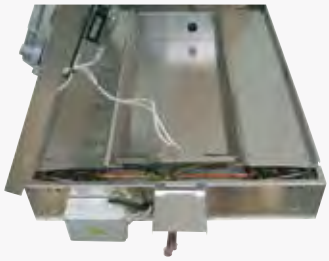
General features

RDFX range unit coolers have been designed to be installed inside cold rooms suited for fresh and frozen goods storage. The main feature of this range is of throwing air from both sides; this allow the unit cooler to be placed in the middle of the cold room ceiling giving a uniform air flow and, as a result, the best product conservation.
RDFX range is available in two different fan diameters and three tipes of fin spacing according to the needed application.
The ED version is supplied with mounted defrosting heater and is suitable for being used at low temperature applications.
RDFX range is available in two different fan diameters and three types of fin spacing according to the needed application.
The ED version is supplied with mounted defrosting heaters and is suitable for being used at low temperature applications.
The RDFX range is supplied as standard with EC fan motors (Identified by the letter "B") and blade with special profile for combine higher efficency and low absorption.
The heat exchangers of all the range have been designed for operating at a working pressure PS up to 75 bar: this value gives a big advantage in cases of the plant stop (it reduces possible needs of CO2 discharge) and also it enable the possible use of the same model for both low temperature coldrooms (-40°C) up to high temperature applications, close to the air conditioning limits (+15°C)

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 voltage
(for different voltages please contact our technical dept).



Mod. RDFXB250..:
lato collegamento frigorifero ed elettrico.
RDFXB250... model:
pipe and electrical connection side.

Mod. RDFXB350..:
lato collegamento frigorifero ed elettrico.
RDFXB350... model:
pipe and electrical connection side.

CARATTERISTICHE COSTRUTTIVE / MANUFACTURING FEATURES

Batteria
La gamma è costituita da due tipi di batterie costruite con alette in alluminio e tubo in rame: tubo da 5/16" con spessore maggiorato e geometria 25x21,65 per i modelli con ventole di diametro da 250mm; tubo da 12mm K65 spessore maggiorato con una geometria 37,5x32,5 per i modelli con ventole da 350mm.
I modelli con diametro ventole 250mm hanno una batteria con passo alette 4,5mm/9mm adatto per applicazioni di temperatura cella (Tc) da -30°C a +15°C.
I modelli con diametro ventole 350mm si suddividono a loro volta in due gruppi: modelli con passo alette da 3,5mm adatti per applicazioni di temperatura cella (Tc) da -5°C a +15°C; modelli con passo alette 7mm adatti per applicazioni di temperatura cella (Tc) da -40°C a +4°C.
Le batterie vengono collaudate con azoto ad una pressione di 75 bar.

Coil
The range consists of two types of coils, both made of aluminium fins and copper tube: 5/16" with increased thickness tube size with a geometry of 25x21,65 for models with 250mm fan diameter; 12mm tube size K65 increated thickness with a geometry of 37,5x32,5 for models with 350mm fan diameter.
The model types having 250mm fan diameter are fitted with a coil of 4,5mm/9mm fin spacing, suited for applications with a cold room temperature (Tc) from -30°C to +15°C.
The model types having 350mm fan diameter are made of two different groups: models with 3,5mm fin spacing suited for cold room temperature (Tc) from -5°C to +15°C; models with 7mm fin spacing suited for cold room temperature (Tc) from -40°C to +4°C.
The coils are tested with nitrogen at a pressure of 75 bar.

Motoventilatori
I motoventilatori utilizzati hanno le seguenti caratteristiche:

- **costruiti nel rispetto delle norme EN 60335-1, con protezione termica interna**
- **diametro ventola 250mm inclinazione 28° con profilo speciale:**
  - alimentazione 230V/1/50-60Hz
  - grado di protezione IP55
  - classe di isolamento B
  - temperatura di funzionamento da -40°C a +50°C
- **diametro ventola 350mm rotore esterno:**
  - alimentazione 220-240V/1/50-60Hz
  - doppia velocità (950-1450 rpm)
  - grado di protezione IP54
  - classe di isolamento B
  - temperatura di funzionamento da -40°C a +40°C
- **esecuzione elettrica conforme alla direttiva 2006/95/CE Bassa Tensione**

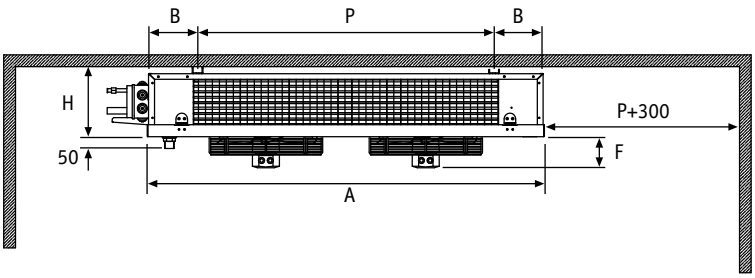
Fan motors
The fan motor models in use have the following features:

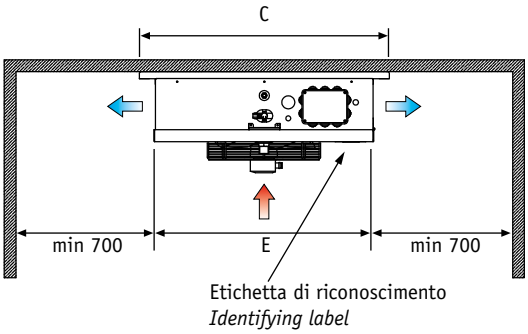
- manufactured following EN 60335-1 laws, with internal thermal protection
- fan diameter 250mm special profile 28° inclination:
  - power supply 230V/1/50-60Hz
  - IP55 protection rate
  - B insulation class
  - operating temperature from -40°C to +50°C
- fan diameter 350mm external rotor:
  - power supply 220-240V/1/50Hz
  - double speed (950-1450 rpm)
  - IP54 protection rate
  - B insulation class
  - operating temperature from -40°C to +40°C
- electrics made in conformity with 2006/95/CE Low Tension directive

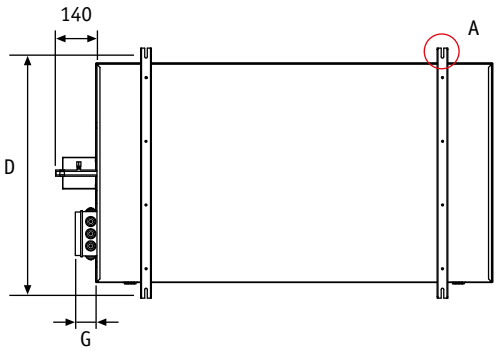
Carenatura
È realizzata in alluminio. Le soluzioni costruttive adottate conferiscono robustezza alla carenatura e garantiscono l'assenza di vibrazioni durante il funzionamento. Le viti, le rondelle e i dadi sono di acciaio inossidabile.

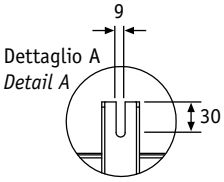
Housing
The housing is made of aluminium. The manufacturing solutions used give the housing strength and guarantee the absence of vibrations during the functioning. Screws, washers and nuts are made of stainless steel.

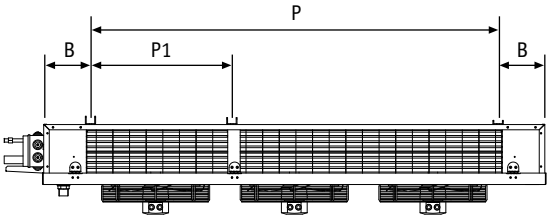
CARATTERISTICHE COSTRUTTIVE / MANUFACTURING FEATURES











Serie **RDFXB** / ***RDFXB*** *Range*

Modello *Model*	RDFXB	2250-2250ED	3250-3250ED	4250-4250ED
Dimensioni *Dimensions (mm)*	A	922	1322	1722
	B	93,5	93,5	93,5
	C	710	710	710
	D	650	650	650
	E	638	638	638
	F	50	50	50
	G	60	60	60
	H	155	155	160
	P	735	1135	1535
Attacchi *Connections*	ø ingresso - *ø inlet*	10 mm	10 mm	12 mm
	ø uscita - *ø outlet*	12 mm	12 mm	14 mm
	ø scarico - *ø drain*	1/2" Gas (20mm)	1" Gas (33mm)	1" Gas (33mm)

Serie **RDFXB** / ***RDFXB*** *Range*

Modello *Model*	RDFXB	23503-23503ED 23507-23507ED	33503-33503ED 33507-33507ED	43503-43503ED 43507-43507ED	53503-53503ED 53507-53507ED
Dimensioni *Dimensions (mm)*	A	1366	1816	2266	2716
	B	173	173	173	173
	C	860	860	860	860
	D	800	800	800	800
	E	756	756	756	756
	F	110	110	110	110
	G	70	70	70	70
	H	241	246	251	256
	P	1020	1470	1920	2370
	P1	---	510	960	960
Attacchi *Connections*	ø ingresso - *ø inlet*	12 mm	12 mm	12 mm	12 mm
	ø uscita - *ø outlet*	16 mm	16 mm	16 mm	16 mm
	ø scarico - *ø drain*	1" Gas (33mm)	1" Gas (33mm)	1" Gas (33mm)	1" Gas (33mm)

CARATTERISTICHE TECNICHE / TECHNICAL FEATURES

Serie **RDFXB** / ***RDFXB*** *Range*

4,5 / 9 mm Passo alette / *Fin spacing* (Ø250)

Modello *Model*		**RDFXB**	**2250** **2205ED**	**3250** **3250ED**	**4250** **4250ED**
Capacità ΔT 10 T.cella +2°C *Capacity ΔT 10 Room T. +2°C*		kW	2,38	3,85	5,18
Portata d'aria *Air flow*		m^3/h	1136,2	1751,8	2366,7
Freccia d'aria *Air throw*		m	4	8	10
Superficie totale *Total surface*		m^2	8,38	13,10	17,82
Volume circuito evaporatore *Unit cooler volume cicuit*		dm^3	1,27	1,93	2,59
Motoventilatori *Fan motors*		n x Ømm	2x250	3x250	4x250
Assorbimento motori (*) *Motor power consumption*		A	0,51	0,77	1,02
		W	50	75	100
Sbrinamento elettrico (*) *Electrical defrost*		W	1650	2500	3150
Peso netto *Net weight*	vers. standard *standard vers.*	kg	18,1	28,5	36,1
	vers. ED *ED vers.*	kg	19,1	30,0	38,1

(*) 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

Serie **RDFXB** / ***RDFXB*** *Range*

Bassa velocità / *Low speed* (950 rpm)

3,5 mm Passo alette / *Fin spacing* (Ø350)

Modello *Model*		**RDFXB**	**23503** **23503ED**	**33503** **33503ED**	**43503** **43503ED**	**53503** **53503ED**
Capacità ΔT 10 T.cella +2°C *Capacity ΔT 10 Room T. +2°C*		kW	5,92	9,71	12,82	15,55
Portata d'aria *Air flow*		m^3/h	3265,1	4779,1	6284,6	7790,9
Freccia d'aria *Air throw*		m	8	10	11	12
Superficie totale *Total surface*		m^2	29,48	42,06	54,74	67,32
Peso netto *Net weight*	vers. standard *standard vers.*	kg	36,3	50,2	62,9	75,7
	vers. ED *ED vers.*	kg	39,1	53,5	68,0	82,3

Serie **RDFXB** / ***RDFXB*** *Range*

Alta velocità / *High speed* (1450 rpm)

3,5 mm Passo alette / *Fin spacing* (Ø350)

Modello *Model*		**RDFXB**	**23503** **23503ED**	**33503** **33503ED**	**43503** **43503ED**	**53503** **53503ED**
Capacità ΔT 10 T.cella +2°C *Capacity ΔT 10 Room T. +2°C*		kW	7,66	11,82	15,36	18,39
Portata d'aria *Air flow*		m^3/h	5137,8	7543,4	9938,0	12307,4
Freccia d'aria *Air throw*		m	10	11	12	14
Superficie totale *Total surface*		m^2	29,48	42,06	54,74	67,32
Peso netto *Net weight*	vers. standard *standard vers.*	kg	36,3	50,2	62,9	75,7
	vers. ED *ED vers.*	kg	39,1	53,5	68,0	82,3

CARATTERISTICHE TECNICHE / TECHNICAL FEATURES

Serie **RDFXB** / ***RDFXB*** *Range*

Bassa velocità / *Low speed* (950 rpm) — 7 mm Passo alette / *Fin spacing* (Ø350)

Modello *Model*		**RDFXB**	**23507** **23507ED**	**33507** **33507ED**	**43507** **43507ED**	**53507** **53507ED**
Capacità ΔT 10 T.cella -20°C *Capacity ΔT 10 Room T. -20°C*		kW	2,93	5,22	7,20	9,02
Portata d'aria *Air flow*		m^3/h	3614,6	5320,2	7019,9	8717,4
Freccia d'aria *Air throw*		m	9	11	12	14
Superficie totale *Total surface*		m^2	16,25	23,19	30,13	37,07
Peso netto *Net weight*	vers. standard *standard vers.*	kg	33,8	46,7	58,4	70,2
	vers. ED *ED vers.*	kg	36,6	50,0	63,5	76,8

Serie **RDFXB** / ***RDFXB*** *Range*

Alta velocità / *High speed* (1450 rpm) — 7 mm Passo alette / *Fin spacing* (Ø350)

Modello *Model*		**RDFXB**	**23507** **23507ED**	**33507** **33507ED**	**43507** **43507ED**	**53507** **53507ED**
Capacità ΔT 10 T.cella -20°C *Capacity ΔT 10 Room T. -20°C*		kW	3,78	6,37	8,80	10,76
Portata d'aria *Air flow*		m^3/h	5522,0	8134,4	10738,9	13334,6
Freccia d'aria *Air throw*		m	10	11	12	14
Superficie totale *Total surface*		m^2	16,25	23,19	30,13	37,07
Peso netto *Net weight*	vers. standard *standard vers.*	kg	33,8	46,7	58,4	70,2
	vers. ED *ED vers.*	kg	36,6	50,0	63,5	76,8

Serie **RDFXB** / ***RDFXB*** *Range*

7 / 3,5 mm Passo alette / *Fin spacing* (Ø350)

Modello *Model*	**RDFXB**	**23503** **23503ED** **23507** **23507ED**	**33503** **33503ED** **33507** **33507ED**	**43503** **43503ED** **43507** **43507ED**	**53503** **53503ED** **53507** **53507ED**
Volume circuito evaporatore *Unit cooler volume cicuit*	dm^3	4,26	5,97	7,68	9,39
Motoventilatori *Fan motors*	n x Ømm	2x350	3x350	4x350	5x350
Assorbimento motori (*) *Motor power consumption* (950 rpm)	A	0,80	1,20	1,60	2,00
	W	90	135	180	225
Assorbimento motori (*) *Motor power consumption* (1450 rpm)	A	2,60	3,90	5,20	6,50
	W	320	480	640	800
Sbrinamento elettrico (*) *Electrical defrost*	W	2200	3148	4080	4680

(*) 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

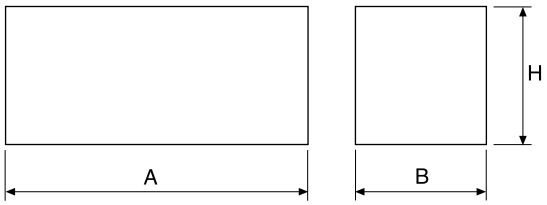
SCELTA EVAPORATORE / MODEL CHOICE

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 diametro ventola, del passo alette e della velocità del motoventilatore.
Per ogni passo alette si consiglia la seguente applicazione:
passo alette 3,5 mm, utilizzo ad una Tc ≥ +2°C;
passo alette 4,5/9 mm, utilizzo ad una Tc ≥ -30°C;
passo alette 7 mm, utilizzo ad una Tc ≥ -40°C a +4°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 fan diameter, fin spacing and the motor fan speed of the unit cooler.
For each different type of fin spacing we recommend to use the following applications:
3,5 mm fin spacing, Tc ≥ +2°C;
4,5/9 mm fin spacing, Tc ≥ -30°C;
7 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.

DIMENSIONI IMBALLI / PACKAGES DIMENSIONS

Codice *Code*	**Dimensioni imballo evaporatore** *Evaporator package dimensions*			
	A mm	**B** mm	**H** mm	**Peso** *Weight* kg
RDFXB2250..	1130	740	250	4,0
RDFXB3250..	1530	740	250	4,5
RDFXB4250..	1910	870	290	13,7
RDFXB2350..	1550	1010	435	13,0
RDFXB3350..	2000	1010	435	20,5
RDFXB4350..	2450	1010	435	22,0
RDFXB5350..	2900	1010	435	23,5



POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

RDFXB2250 RDFXB2250ED

4,5 / 9 mm Passo alette / *Fin spacing* (Ø250)

	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	1,86	1,86	1,87	1,87	1,96	2,04	2,13	2,22	2,30	2,38	2,46	2,54	2,63	2,72	2,84	2,96
ΔT 9 UR/RH 79%	kW	1,60	1,61	1,62	1,63	1,71	1,79	1,86	1,94	2,03	2,12	2,20	2,29	2,41	2,52	2,62	2,72
ΔT 8 UR/RH 82%	kW	1,32	1,34	1,35	1,36	1,44	1,51	1,59	1,66	1,75	1,83	1,91	2,00	2,13	2,27	2,37	2,47
ΔT 7 UR/RH 85%	kW	1,05	1,05	1,05	1,05	1,13	1,20	1,28	1,36	1,45	1,53	1,62	1,71	1,85	1,99	2,10	2,21
ΔT 6 UR/RH 89%	kW	0,75	0,77	0,79	0,81	0,87	0,94	1,01	1,07	1,16	1,26	1,35	1,44	1,58	1,72	1,85	1,97
ΔT 5 UR/RH 93%	kW	0,52	0,54	0,55	0,56	0,61	0,67	0,72	0,77	0,89	1,01	1,13	1,25	1,34	1,43	1,56	1,70

RDFXB3250 RDFXB3250ED

4,5 / 9 mm Passo alette / *Fin spacing* (Ø250)

	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	2,81	2,90	3,00	3,09	3,23	3,37	3,51	3,64	3,75	3,85	3,95	4,06	4,14	4,23	4,35	4,48
ΔT 9 UR/RH 79%	kW	2,54	2,62	2,70	2,78	2,91	3,03	3,16	3,29	3,39	3,49	3,59	3,69	3,77	3,85	3,99	4,13
ΔT 8 UR/RH 82%	kW	2,24	2,30	2,36	2,42	2,55	2,68	2,80	2,93	3,03	3,12	3,22	3,31	3,40	3,49	3,63	3,77
ΔT 7 UR/RH 85%	kW	1,93	1,97	2,00	2,04	2,17	2,30	2,43	2,56	2,65	2,75	2,84	2,93	3,03	3,12	3,25	3,39
ΔT 6 UR/RH 89%	kW	1,59	1,61	1,63	1,64	1,76	1,88	2,00	2,13	2,23	2,34	2,45	2,56	2,67	2,79	2,93	3,07
ΔT 5 UR/RH 93%	kW	1,20	1,21	1,21	1,22	1,34	1,46	1,58	1,70	1,84	1,98	2,12	2,26	2,35	2,45	2,59	2,73

RDFXB4250 RDFXB4250ED

4,5 / 9 mm Passo alette / *Fin spacing* (Ø250)

	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	4,04	4,06	4,08	4,09	4,29	4,48	4,67	4,86	5,02	5,18	5,34	5,50	5,63	5,77	6,01	6,25
ΔT 9 UR/RH 79%	kW	3,49	3,53	3,56	3,60	3,77	3,93	4,10	4,26	4,43	4,59	4,76	4,93	5,13	5,33	5,54	5,74
ΔT 8 UR/RH 82%	kW	2,95	2,97	2,98	3,00	3,17	3,33	3,50	3,66	3,81	3,97	4,12	4,27	4,54	4,81	5,01	5,22
ΔT 7 UR/RH 85%	kW	2,34	2,36	2,38	2,40	2,56	2,72	2,88	3,04	3,19	3,33	3,47	3,62	3,93	4,25	4,46	4,67
ΔT 6 UR/RH 89%	kW	1,71	1,74	1,77	1,80	1,95	2,11	2,27	2,42	2,59	2,76	2,94	3,11	3,41	3,72	3,96	4,21
ΔT 5 UR/RH 93%	kW	1,22	1,25	1,28	1,30	1,42	1,54	1,66	1,78	2,01	2,25	2,48	2,72	2,89	3,07	3,37	3,66

Tc = temperatura cella / *cold room temperature*

(*) Per modelli passo alette 4,5/9 mm, si consiglia un utilizzo ad una Tc ≥ -30°C / *For 4,5/9 mm fin spacing models we recommend to use the application Tc ≥ -30°C*

POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

Bassa velocità / *Low speed* (950 rpm)

RDFXB23503 RDFXB23503ED

3,5 mm Passo alette / *Fin spacing* (Ø350)

	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	5,57	5,74	5,92	6,09	6,27	6,48	6,69	7,13	7,57
ΔT 9 UR/RH 79%	kW	4,71	4,89	5,08	5,26	5,44	5,90	6,36	6,60	6,85
ΔT 8 UR/RH 82%	kW	3,79	4,00	4,20	4,41	4,62	5,02	5,43	5,75	6,08
ΔT 7 UR/RH 85%	kW	2,92	3,13	3,34	3,55	3,76	4,13	4,50	4,81	5,12
ΔT 6 UR/RH 89%	kW	2,13	2,30	2,47	2,63	2,80	3,26	3,72	4,05	4,38
ΔT 5 UR/RH 93%	kW	1,47	1,70	1,94	2,17	2,40	2,66	2,91	3,28	3,65

Bassa velocità / *Low speed* (950 rpm)

RDFXB33503 RDFXB33503ED

3,5 mm Passo alette / *Fin spacing* (Ø350)

	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	9,29	9,50	9,71	9,92	10,13	10,36	10,58	10,84	11,10
ΔT 9 UR/RH 79%	kW	8,27	8,47	8,68	8,89	9,09	9,35	9,61	9,90	10,18
ΔT 8 UR/RH 82%	kW	7,05	7,29	7,53	7,77	8,01	8,34	8,66	8,94	9,23
ΔT 7 UR/RH 85%	kW	5,76	6,00	6,24	6,48	6,72	7,18	7,64	7,94	8,24
ΔT 6 UR/RH 89%	kW	4,55	4,81	5,08	5,35	5,62	6,16	6,71	7,06	7,41
ΔT 5 UR/RH 93%	kW	3,11	3,56	4,02	4,48	4,93	5,24	5,54	6,00	6,47

Bassa velocità / *Low speed* (950 rpm)

RDFXB43503 RDFXB43503ED

3,5 mm Passo alette / *Fin spacing* (Ø350)

	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	12,26	12,54	12,82	13,10	13,38	13,63	13,88	14,13	14,38
ΔT 9 UR/RH 79%	kW	11,08	11,35	11,61	11,87	12,13	12,32	12,51	12,86	13,21
ΔT 8 UR/RH 82%	kW	9,84	10,10	10,36	10,62	10,88	11,10	11,32	11,69	12,05
ΔT 7 UR/RH 85%	kW	8,51	8,77	9,02	9,28	9,54	9,81	10,07	10,44	10,80
ΔT 6 UR/RH 89%	kW	6,99	7,31	7,64	7,96	8,28	8,64	9,00	9,38	9,75
ΔT 5 UR/RH 93%	kW	5,40	5,87	6,34	6,82	7,29	7,58	7,86	8,26	8,66

Bassa velocità / *Low speed* (950 rpm)

RDFXB53503 RDFXB53503ED

3,5 mm Passo alette / *Fin spacing* (Ø350)

	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	14,84	15,20	15,55	15,90	16,26	16,59	16,92	17,07	17,22
ΔT 9 UR/RH 79%	kW	13,52	13,85	14,18	14,51	14,84	14,95	15,07	15,50	15,93
ΔT 8 UR/RH 82%	kW	12,10	12,42	12,74	13,06	13,39	13,55	13,72	14,16	14,59
ΔT 7 UR/RH 85%	kW	10,65	10,96	11,27	11,58	11,89	12,09	12,29	12,72	13,14
ΔT 6 UR/RH 89%	kW	9,16	9,49	9,82	10,15	10,48	10,75	11,02	11,47	11,91
ΔT 5 UR/RH 93%	kW	7,45	7,85	8,25	8,65	9,05	9,36	9,68	10,15	10,62

Tc = temperatura cella / *cold room temperature*
(*) Per modelli passo alette 3,5 mm, si consiglia un utilizzo ad una Tc ≥ +2°C / *For 3,5 mm fin spacing models we recommend to use the application Tc ≥ +2°C*

POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

Alta velocità / *High speed* (1450 rpm)

RDFXB23503 RDFXB23503ED

3,5 mm Passo alette / *Fin spacing* (Ø350)

	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	7,32	7,49	7,66	7,84	8,01	8,20	8,40	8,68	8,97
ΔT 9 UR/RH 79%	kW	6,17	6,36	6,55	6,74	6,92	7,32	7,72	7,96	8,19
ΔT 8 UR/RH 82%	kW	5,02	5,22	5,43	5,64	5,84	6,34	6,84	7,10	7,37
ΔT 7 UR/RH 85%	kW	3,77	4,02	4,27	4,52	4,77	5,29	5,81	6,12	6,42
ΔT 6 UR/RH 89%	kW	2,62	2,90	3,19	3,47	3,76	4,23	4,71	5,10	5,50
ΔT 5 UR/RH 93%	kW	1,73	2,08	2,42	2,77	3,12	3,40	3,68	4,09	4,51

Alta velocità / *High speed* (1450 rpm)

RDFXB33503 RDFXB33503ED

3,5 mm Passo alette / *Fin spacing* (Ø350)

	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	11,39	11,61	11,82	12,04	12,26	12,48	12,70	12,87	13,04
ΔT 9 UR/RH 79%	kW	10,23	10,44	10,66	10,88	11,09	11,25	11,40	11,68	11,95
ΔT 8 UR/RH 82%	kW	9,00	9,20	9,41	9,61	9,81	10,05	10,29	10,56	10,83
ΔT 7 UR/RH 85%	kW	7,57	7,81	8,04	8,28	8,51	8,82	9,13	9,40	9,67
ΔT 6 UR/RH 89%	kW	5,92	6,22	6,52	6,82	7,12	7,60	8,09	8,40	8,71
ΔT 5 UR/RH 93%	kW	4,29	4,82	5,36	5,89	6,42	6,69	6,96	7,34	7,73

Alta velocità / *High speed* (1450 rpm)

RDFXB43503 RDFXB43503ED

3,5 mm Passo alette / *Fin spacing* (Ø350)

	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	14,78	15,07	15,36	15,65	15,95	16,23	16,51	16,58	16,66
ΔT 9 UR/RH 79%	kW	13,40	13,67	13,95	14,22	14,49	14,61	14,72	15,05	15,39
ΔT 8 UR/RH 82%	kW	11,98	12,25	12,52	12,79	13,06	13,19	13,32	13,68	14,04
ΔT 7 UR/RH 85%	kW	10,47	10,73	11,00	11,27	11,54	11,72	11,89	12,25	12,60
ΔT 6 UR/RH 89%	kW	8,90	9,20	9,51	9,81	10,11	10,38	10,64	11,03	11,42
ΔT 5 UR/RH 93%	kW	7,04	7,47	7,90	8,32	8,75	9,03	9,32	9,74	10,16

Alta velocità / *High speed* (1450 rpm)

RDFXB53503 RDFXB53503ED

3,5 mm Passo alette / *Fin spacing* (Ø350)

	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	17,65	18,02	18,39	18,77	19,14	19,51	19,87	20,24	20,60
ΔT 9 UR/RH 79%	kW	16,09	16,45	16,81	17,17	17,54	17,73	17,92	18,10	18,29
ΔT 8 UR/RH 82%	kW	14,51	14,85	15,18	15,52	15,85	15,90	15,95	16,35	16,76
ΔT 7 UR/RH 85%	kW	12,83	13,15	13,48	13,80	14,13	14,23	14,34	14,75	15,17
ΔT 6 UR/RH 89%	kW	11,13	11,48	11,83	12,18	12,53	12,72	12,92	13,38	13,84
ΔT 5 UR/RH 93%	kW	9,33	9,67	10,01	10,35	10,69	11,02	11,36	11,86	12,36

Tc = temperatura cella / *cold room temperature*

(*) Per modelli passo alette 3,5 mm, si consiglia un utilizzo ad una Tc ≥ +2°C / *For 3,5 mm fin spacing models we recommend to use the application Tc ≥ +2°C*

RDF x 350 Ø

RIVACOLD MASTERING COLD

POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

Bassa velocità / *Low speed* (950 rpm)

RDFXB23507 RDFXB23507ED

7 mm Passo alette / *Fin spacing* (Ø350)

	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	2,63	2,69	2,76	2,83	2,93	3,03	3,13	3,24	3,36	3,48	3,60
ΔT 9 UR/RH 79%	kW	2,10	2,14	2,17	2,21	2,36	2,50	2,65	2,80	2,88	2,96	3,04
ΔT 8 UR/RH 82%	kW	1,61	1,68	1,75	1,82	1,94	2,06	2,18	2,31	2,37	2,44	2,50
ΔT 7 UR/RH 85%	kW	1,22	1,30	1,38	1,46	1,55	1,64	1,73	1,82	1,89	1,97	2,05
ΔT 6 UR/RH 89%	kW	0,98	1,05	1,12	1,19	1,24	1,29	1,34	1,39	1,47	1,56	1,65
ΔT 5 UR/RH 93%	kW	0,79	0,81	0,83	0,85	0,89	0,94	0,99	1,04	1,19	1,35	1,50

Bassa velocità / *Low speed* (950 rpm)

RDFXB33507 RDFXB33507ED

7 mm Passo alette / *Fin spacing* (Ø350)

	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	4,81	4,89	4,98	5,06	5,22	5,38	5,54	5,70	5,86	6,02	6,18
ΔT 9 UR/RH 79%	kW	4,10	4,18	4,27	4,35	4,50	4,65	4,81	4,96	5,11	5,27	5,42
ΔT 8 UR/RH 82%	kW	3,34	3,42	3,51	3,59	3,74	3,88	4,03	4,17	4,34	4,50	4,66
ΔT 7 UR/RH 85%	kW	2,58	2,60	2,61	2,63	2,81	2,99	3,18	3,36	3,53	3,71	3,88
ΔT 6 UR/RH 89%	kW	1,81	1,88	1,94	2,01	2,16	2,30	2,45	2,59	2,77	2,94	3,11
ΔT 5 UR/RH 93%	kW	1,22	1,31	1,39	1,48	1,59	1,70	1,81	1,92	2,16	2,40	2,64

Bassa velocità / *Low speed* (950 rpm)

RDFXB43507 RDFXB43507ED

7 mm Passo alette / *Fin spacing* (Ø350)

	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	6,59	6,70	6,80	6,90	7,20	7,50	7,79	8,09	8,29	8,49	8,69
ΔT 9 UR/RH 79%	kW	5,83	5,90	5,96	6,02	6,31	6,59	6,88	7,16	7,36	7,56	7,77
ΔT 8 UR/RH 82%	kW	5,05	5,07	5,08	5,10	5,36	5,63	5,89	6,16	6,36	6,56	6,76
ΔT 7 UR/RH 85%	kW	4,09	4,15	4,21	4,27	4,49	4,71	4,94	5,16	5,35	5,55	5,74
ΔT 6 UR/RH 89%	kW	3,12	3,18	3,24	3,30	3,52	3,73	3,95	4,17	4,39	4,60	4,82
ΔT 5 UR/RH 93%	kW	2,10	2,16	2,22	2,28	2,48	2,68	2,88	3,08	3,42	3,76	4,10

Bassa velocità / *Low speed* (950 rpm)

RDFXB53507 RDFXB53507ED

7 mm Passo alette / *Fin spacing* (Ø350)

	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	7,91	8,16	8,41	8,66	9,02	9,39	9,75	10,12	10,37	10,62	10,87
ΔT 9 UR/RH 79%	kW	7,14	7,34	7,53	7,73	8,08	8,43	8,78	9,13	9,36	9,59	9,83
ΔT 8 UR/RH 82%	kW	6,27	6,41	6,55	6,68	7,03	7,38	7,73	8,08	8,30	8,52	8,75
ΔT 7 UR/RH 85%	kW	5,39	5,46	5,52	5,59	5,91	6,23	6,54	6,86	7,11	7,36	7,60
ΔT 6 UR/RH 89%	kW	4,37	4,40	4,43	4,46	4,76	5,07	5,38	5,69	5,94	6,19	6,45
ΔT 5 UR/RH 93%	kW	3,25	3,25	3,26	3,26	3,57	3,87	4,18	4,49	4,88	5,26	5,65

Tc = temperatura cella / *cold room temperature*

POTENZA FRIGORIFERA / REFRIGERATING OUTPUT

Alta velocità / *High speed* (1450 rpm)

RDFXB23507 RDFXB23507ED

7 mm Passo alette / *Fin spacing* (Ø350)

	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	3,40	3,50	3,59	3,68	3,78	3,87	3,97	4,07	4,20	4,33	4,46
ΔT 9 UR/RH 79%	kW	2,68	2,77	2,86	2,95	3,06	3,16	3,27	3,38	3,52	3,67	3,82
ΔT 8 UR/RH 82%	kW	2,02	2,08	2,13	2,18	2,35	2,51	2,67	2,83	2,93	3,02	3,11
ΔT 7 UR/RH 85%	kW	1,45	1,54	1,63	1,72	1,83	1,95	2,06	2,18	2,27	2,35	2,44
ΔT 6 UR/RH 89%	kW	1,07	1,16	1,25	1,34	1,41	1,48	1,56	1,63	1,73	1,84	1,94
ΔT 5 UR/RH 93%	kW	0,87	0,91	0,94	0,98	1,04	1,09	1,15	1,21	1,38	1,56	1,73

Alta velocità / *High speed* (1450 rpm)

RDFXB33507 RDFXB33507ED

7 mm Passo alette / *Fin spacing* (Ø350)

	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	6,02	6,05	6,09	6,12	6,37	6,62	6,87	7,12	7,29	7,46	7,63
ΔT 9 UR/RH 79%	kW	5,15	5,25	5,34	5,44	5,62	5,81	5,99	6,18	6,34	6,50	6,67
ΔT 8 UR/RH 82%	kW	4,25	4,34	4,44	4,53	4,71	4,88	5,06	5,24	5,40	5,57	5,73
ΔT 7 UR/RH 85%	kW	3,28	3,38	3,47	3,57	3,74	3,91	4,08	4,25	4,43	4,61	4,79
ΔT 6 UR/RH 89%	kW	2,30	2,35	2,40	2,44	2,65	2,86	3,07	3,27	3,49	3,70	3,92
ΔT 5 UR/RH 93%	kW	1,45	1,54	1,64	1,73	1,87	2,01	2,15	2,29	2,61	2,93	3,25

Alta velocità / *High speed* (1450 rpm)

RDFXB43507 RDFXB43507ED

7 mm Passo alette / *Fin spacing* (Ø350)

	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	7,87	8,07	8,27	8,47	8,80	9,13	9,46	9,78	9,99	10,19	10,39
ΔT 9 UR/RH 79%	kW	7,07	7,21	7,35	7,49	7,81	8,14	8,46	8,79	8,98	9,17	9,36
ΔT 8 UR/RH 82%	kW	6,14	6,22	6,31	6,39	6,72	7,04	7,37	7,70	7,90	8,10	8,30
ΔT 7 UR/RH 85%	kW	5,16	5,19	5,21	5,24	5,54	5,83	6,13	6,42	6,64	6,85	7,07
ΔT 6 UR/RH 89%	kW	4,02	4,04	4,07	4,09	4,37	4,65	4,94	5,22	5,45	5,69	5,92
ΔT 5 UR/RH 93%	kW	2,75	2,77	2,79	2,81	3,10	3,39	3,68	3,97	4,36	4,75	5,14

Alta velocità / *High speed* (1450 rpm)

RDFXB53507 RDFXB53507ED

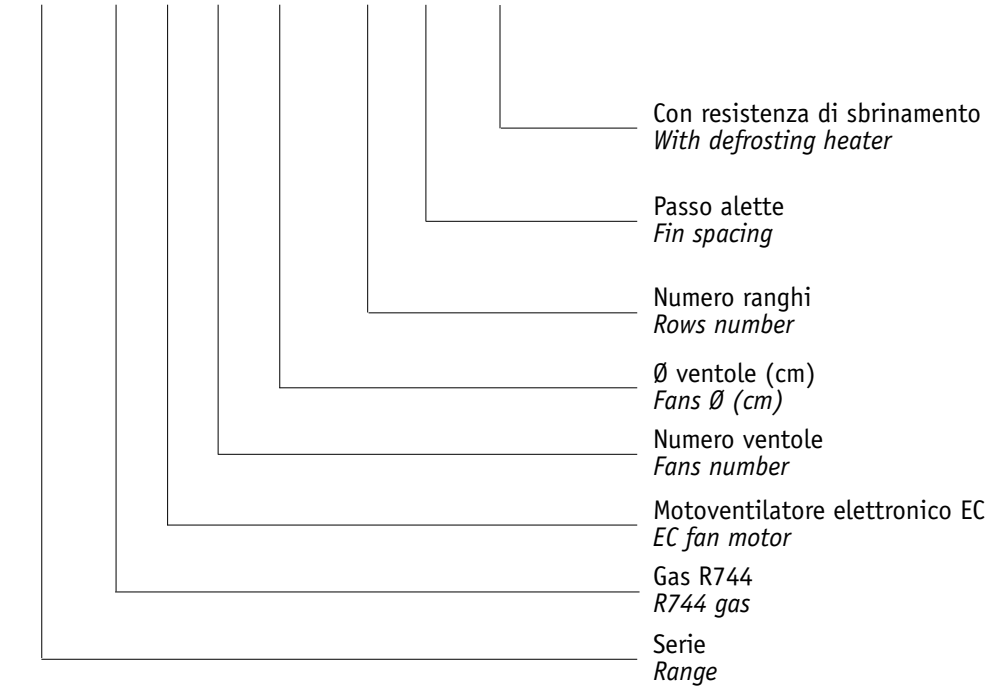
7 mm Passo alette / *Fin spacing* (Ø350)

	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	9,16	9,55	9,94	10,33	10,76	11,18	11,61	12,04	12,30	12,57	12,84
ΔT 9 UR/RH 79%	kW	8,34	8,67	8,99	9,32	9,71	10,11	10,50	10,90	11,15	11,40	11,66
ΔT 8 UR/RH 82%	kW	7,47	7,71	7,95	8,20	8,58	8,96	9,35	9,73	9,97	10,21	10,45
ΔT 7 UR/RH 85%	kW	6,47	6,62	6,78	6,94	7,32	7,70	8,08	8,46	8,70	8,94	9,18
ΔT 6 UR/RH 89%	kW	5,34	5,43	5,52	5,60	5,97	6,34	6,71	7,08	7,36	7,65	7,93
ΔT 5 UR/RH 93%	kW	4,09	4,11	4,13	4,14	4,50	4,86	5,22	5,58	6,00	6,41	6,83

Tc = temperatura cella / *cold room temperature*

Lettura codice / *Model designation*

RDF X B 2 35 08 06 ED

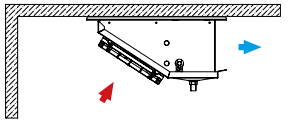
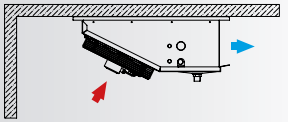
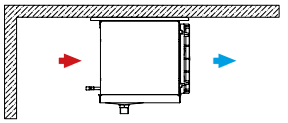
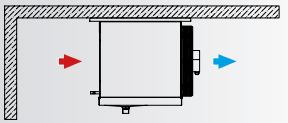
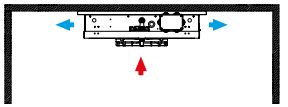
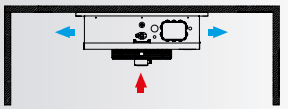


* Per i modelli con ventola 250mm il passo alette non viene indicato nel codice perchè sempre uguale per tutti i modelli (4,5/9mm)
For models having 250mm Ø fan, the fin spacing is not mentioned in the code as it is the same for all models (4,5/9mm)

Aeroevaporatori

R744

unit coolers

Serie *Range*	Potenza / *Capacity*							Ventole *Fans*
	1000W	2000W	4000W	8000W	16000W	32000W		
RSIX 250	264 - 5166 W							1 - 4
RSIX 350		1195 - 14344 W						2 - 4
RCX 250		489 - 7038 W						1 - 4
RCMX 350			1089 - 22230 W					1 - 4
RDFX 250		523 - 6248 W						2 - 4
RDFX 350			795 -20600 W					2 - 5

adkrio

RIVACOLD
MASTERING COLD

GAS COOLER REMOTI
REMOTE GAS COOLERS

APPLICAZIONE A CO_2 TRANSCRITICA
CO_2 TRANSCRITICAL APPLICATION

Ø 500-630-800-1000

RRCX

SUPERMERCATO
SUPERMARKET

CELLE FRIGORIFERE
COLD ROOMS

MURALI E VETRINE
WALL AND DISPLAY CABINETS

BANCHI
COUNTERS

GREEN SOLUTIONS

REFRIGERANTE NATURALE
NATURAL REFRIGERANT

RISPARMIO ENERGETICO
ENERGY SAVING

BASSA RUMOROSITÀ
LOW NOISE

EASY FIX
EASY FIX

ANTIPIOGGIA
WEATHER PROOF

R744

SERIE RANGE	POTENZA / CAPACITY							VENTOLE FANS
	25 kW	50 kW	100 kW	200 kW	400 kW	800 kW		
RRCX 500		16.6 - 118.8 kW						1 - 4
RRCX 630			24.3 - 236.9 kW					1 - 4
RRCX 800				75.7 - 515 kW				2 - 8
RRCX 1000						471.3 - 649.8 kW		6

CARACTERÍSTICAS GENERALES

Los gas coolers fabricados por Rivacold han sido diseñados para cumplir todas las aplicaciones transcríticas de CO2 en los sectores de la refrigeración comercial e industrial. Toda la gama ha sido ideada para instalaciones en el exterior siguiendo un concepto de sencillez de montaje remoto para la gama de unidades multicompresor y sistemas integrados de CO2 transcríticos de fabricación Rivacold. La instalación del mismo modelo, tanto con flujo de aire horizontal como con flujo de aire vertical (con el empleo de patas de soporte) simplifica la instalación para cualquier tipo de necesidad. Los gas coolers se dividen en 4 gamas diferentes, dependiendo del diámetro y la cantidad de motoventiladores: 500 mm (1-4), 630 mm (1-4), 800 mm (2-8) 1000 mm (6).

INTERCAMBIADORES DE CALOR

Los intercambiadores de alta eficiencia con los que está equipada la serie completa, están fabricados con aletas de aluminio con perfil “PIRAMIDAL”. Este diseño especial de la aleta permite maximizar la superficie de intercambio y, por tanto, optimizar la potencia suministrada en función de esta superficie, o a igualdad de potencia es posible reducir el caudal de aire y, por consiguiente, el ruido mismo de la máquina. La geometría utilizada es 25 x 21.65 y paso de aletas 2,1 mm. La estructura de la bobina interna y de los soportes garantiza robustez a todo el conjunto asegurando la protección de las tuberías durante su manipulación, instalación y puesta en funcionamiento. El cobre de las tuberías de tipo K65 asegura la posibilidad de trabajar con valores de presión de ejercicio de hasta 120bar. Todas las bobinas se someten a ensayo con nitrógeno a una presión mínima de 172 bar y se cargan a presión de nitrógeno para garantizar la seguridad del envío.

CARENADO

El carenado está fabricado en chapa electrocincada con pintura en polvo (gris RAL 7035) para garantizar una alta resistencia a la corrosión. Las características de fabricación de la estructura en conjunto garantizan la robustez y la resistencia para instalaciones externas de larga duración. Todos los componentes están incluidos y protegidos por el carenado en el interior de la estructura, cada ventilador está separado individualmente con divisorios que impiden el reflujo de aire.

OPCIONAL

Seccionador en cada ventilador (interruptor de servicio), cableado seccionador, cableado de los ventiladores en la caja de derivación, bobina con aleta vinílica (prepintada); patas de soporte (versión con flujo de aire vertical); patas de soporte con altura aumentada

RIVACOLD MASTERING COLD

RRCX Ø 500 - CARATTERISTICHE TECNICHE - TECHNICAL FEATURES

MODEL		EC FAN MOTORS	NOISE LEVEL		ROWS	FIN SPACING	PIPING		CIRCUIT SURFACE	CIRCUIT VOLUME	AIR FLOW	CO_2 FLOW	NET WEIGHT
		no. X Ø	MAX SPEED dist =10m (dbA)	AVERAGE 24h dist =10m (dbA)			INLET Ø x thickness [In x mm]	OUTLET Ø x thickness [In x mm]	[m^2]	[liters]	MAX SPEED [m^3/h]	MAX SPEED [Kg/h]	[Kg]
	RRCX015004VB	1x500	46.7	42.2	4	2.1	5/8" x 1.05	1/2" x 0.85	56	4.53	7910	434	79.5
	RRCX015004SB		36.7	32.3							6056	375	78.5
	RRCX015004AB		35.2	30.5							4809	330	76.4
	RRCX015005VB		46.7	42.2	5	2.1	5/8" x 1.05	1/2"x 0.85	70	5.66	8886	510	86.5
	RRCX015005SB		36.7	32.3							5855	437	85.5
	RRCX015005AB		35.2	30.5							4638	379	83.4
	RRCX025004VB	2x500	49.6	45.0	4	2.1	7/8" x 1.5	3/4"x 1.30	112	8.24	15811	814	142.0
	RRCX025004SB		39.6	35.1							12104	704	140.0
	RRCX025004AB		38.1	33.3							9610	610	135.8
	RRCX025005VB		49.6	45.0	5	2.1	7/8" x 1.5	3/4" x 1.30	140	10.61	15303	1003	153.0
	RRCX025005SB		39.6	35.1							11659	862	151.0
	RRCX025005AB		38.1	33.3							9233	748	146.8
	RRCX035004VB	3x500	51.2	46.9	4	2.1	1 1/8" x 1.90 K65 1" GAS x 2 INOX	7/8" x 1.50 K65 1/2" GAS x 2 INOX	168	13.15	23795	1332	210.0
	RRCX035004SB		41.2	37.0							18225	1152	207.0
	RRCX035004AB		39.7	35.2							14476	1014	200.7
	RRCX035005VB		51.2	46.9	5	2.1	1 1/8" x 1.90 K65 1" GAS x 2 INOX	7/8" x 1.50 K65 1/2" GAS x 2 INOX	210	16.41	23052	1575	224.0
	RRCX035005SB		41.2	37.0							17573	1341	221.0
	RRCX035005AB		39.7	35.2							13920	1163	214.7
	RRCX045004VBF	4x500	52.5	47.9	4	2.1	1 1/8" x 1.90 K65 1" GAS x 2 INOX	7/8" x 1.50 K65 1/2" GAS x 2 INOX	224	17.44	31737	1791	282.0
	RRCX045004SBF		42.5	38.0							24309	1548	278.0
	RRCX045004ABF		41.0	36.2							19308	1359	269.6
	RRCX045005VBF		52.5	47.9	5	2.1	1 3/8" x 2.3 K65 1" GAS x 2 INOX	1 1/8" x 1.9 K65 1" GAS x 2 INOX	280	20.95	30604	2006	300.0
	RRCX045005SBF		42.5	38.0							23315	1721	296.0
	RRCX045005ABF		41.0	36.2							18463	1490	287.6

adkrio

TABELLA RESE MODELLI Ø500 - Ø500 MODELS PERFORMANCE TABLE

REFRIGERATION CAPACITIES											
MODEL		EC FAN MOTORS	MAX SPEED	ABSORPTION		"A" CONDITIONS		"B" CONDITIONS		"C" CONDITIONS	
		no. X Ø	[rpm]	[Watt]	[A]	2K APPROACH [kW]	3K APPROACH [kW]	2K APPROACH [kW]	3K APPROACH [kW]	2K APPROACH [kW]	3K APPROACH [kW]
	RRCX015004VB	1x500	1420	750	3.4	21.68	24.14	22.04	24.85	22.51	25.75
	RRCX015004SB		1100	360	2.2	18.83	20.92	19.06	21.54	19.48	22.38
	RRCX015004AB		870	180	1.2	16.62	18.42	16.79	18.91	17.15	19.59
	RRCX015005VB		1420	750	3.4	25.52	28.32	25.90	29.26	26.48	30.25
	RRCX015005SB		1100	360	2.2	21.91	24.23	22.33	25.07	22.71	25.88
	RRCX015005AB		870	180	1.2	19.15	21.12	19.44	21.69	19.88	22.48
	RRCX025004VB	2x500	1420	1500	6.8	40.63	45.40	41.23	46.76	42.12	48.41
	RRCX025004SB		1100	720	4.4	35.30	38.47	35.74	40.43	36.50	40.84
	RRCX025004AB		870	360	2.4	30.99	34.43	31.41	35.47	32.08	36.70
	RRCX025005VB		1420	1500	6.8	50.66	56.20	51.24	57.96	52.66	59.42
	RRCX025005SB		1100	720	4.4	42.75	47.21	44.08	49.43	45.06	50.61
	RRCX025005AB		870	360	2.4	37.73	41.51	38.29	42.76	39.15	43.04
	RRCX035004VB	3x500	1420	2250	10.2	66.70	74.29	67.84	76.48	69.33	79.14
	RRCX035004SB		1100	1080	6.6	57.80	64.20	58.55	66.13	60.07	68.70
	RRCX035004AB		870	540	3.6	50.72	56.22	51.45	57.93	52.77	60.19
	RRCX035005VB		1420	2250	10.2	78.70	87.21	79.83	89.89	81.61	93.18
	RRCX035005SB		1100	1080	6.6	67.35	74.43	68.33	76.71	69.89	79.50
	RRCX035005AB		870	540	3.6	58.80	64.78	59.66	66.53	60.74	68.94
	RRCX045004VBF	4x500	1420	3000	13.6	90.18	99.93	91.11	102.88	93.44	106.48
	RRCX045004SBF		1100	1440	8.8	77.69	86.24	78.82	89.19	80.48	92.35
	RRCX045004ABF		870	720	4.8	68.41	75.68	69.12	77.74	70.89	80.78
	RRCX045005VBF		1420	3000	13.6	101.28	112.39	102.43	115.93	105.26	118.86
	RRCX045005SBF		1100	1440	8.8	85.28	95.65	87.89	98.65	89.87	101.14
	RRCX045005ABF		870	720	4.8	75.09	82.74	75.90	85.19	77.98	86.36

CONDIZIONI DI CALCOLO DATI DI RESA

"A"
- **Temp. Ambiente:** 32°C
- **Temp. Uscita CO_2:** 34°/35°C (Approach 2K/3K)
- **Pressione CO_2:** 90 bar
- **Temp. Ingresso CO_2:** 120°C

"B"
- **Temp. Ambiente:** 35°C
- **Temp. Uscita CO_2:** 37°/38°C (Approach 2K/3K)
- **Pressione CO_2:** 95 bar
- **Temp. Ingresso CO_2:** 120°C

"C"
- **Temp. Ambiente:** 38°C
- **Temp. Uscita CO_2:** 40°/41°C (Approach 2K/3K)
- **Pressione CO_2:** 100 bar
- **Temp. Ingresso CO_2:** 120°C

CONDITIONS OF CAPACITY CALCULATION DATA

"A"
- **Ambient Temp.:** 32°C
- **CO_2 Outlet Temp.:** 34°/35°C (Approach 2K/3K)
- **CO_2 Pressure:** 90 bar
- **CO_2 Inlet Temp.:** 120°C

"B"
- **Ambient Temp.:** 35°C
- **CO_2 Outlet Temp.:** 37°/38°C (Approach 2K/3K)
- **CO_2 Pressure:** 95 bar
- **CO_2 Inlet Temp.:** 120°C

"C"
- **Ambient Temp.:** 38°C
- **CO_2 Outlet Temp.:** 40°/41°C (Approach 2K/3K)
- **CO_2 Pressure:** 100 bar
- **CO_2 Inlet Temp.:** 120°C

BERECHNUNGSGRUNDLAGE DER KÄLTELEISTUNG

"A"
- **Umgebungstemperatur:** 32°C
- **Ausgangstemperatur CO_2:** 34°/35°C (Δt 2K/3K)
- **Druck CO_2:** 90 bar
- **Eingangstemperatur CO_2:** 120°C

"B"
- **Umgebungstemperatur:** 35°C
- **Ausgangstemperatur CO_2:** 37°/38°C (Δt 2K/3K)
- **Druck CO_2:** 95 bar
- **Eingangstemperatur CO_2:** 120°C

"C"
- **Umgebungstemperatur:** 38°C
- **Ausgangstemperatur CO_2:** 40°/41°C (Δt 2K/3K)
- **Druck CO_2:** 100 bar
- **Eingangstemperatur CO_2:** 120°C

CONDITIONS DE CALCUL DES DONNEES DE RENDEMENT

"A"
- **Temp. Ambiante:** 32°C
- **Temp. Sortie CO_2:** 34°/35°C (Approach 2K/3K)
- **Pression CO_2:** 90 bar
- **Temp. Entrée CO_2:** 120°C

"B"
- **Temp. Ambiante:** 35°C
- **Temp. Sortie CO_2:** 37°/38°C (Approach 2K/3K)
- **Pression CO_2:** 95 bar
- **Temp. Entrée CO_2:** 120°C

"C"
- **Temp. Ambiante:** 38°C
- **Temp. Sortie CO_2:** 40°/41°C (Approach 2K/3K)
- **Pression CO_2:** 100 bar
- **Temp. Entrée CO_2:** 120°C

CONDICIONES DE CÁLCULO POTENCIA FRIGORÍFICA

"A"
- **Temp. Ambiente:** 32°C
- **Temp. Salida CO_2:** 34°/35°C (DT Aprox. 2K/3K)
- **Presión CO_2:** 90 bar
- **Temp. Entrada CO_2:** 120°C

"B"
- **Temp. Ambiente:** 35°C
- **Temp. Salida CO_2:** 37°/38°C (DT Aprox. 2K/3K)
- **Presión CO_2:** 95 bar
- **Temp. Entrada CO_2:**120°C

"C"
- **Temp. Ambiente:** 38°C
- **Temp. Salida CO_2:** 40°/41°C (DT Aprox. 2K/3K)
- **Presión CO_2:** 100 bar
- **Temp. Entrada CO_2:** 120°C

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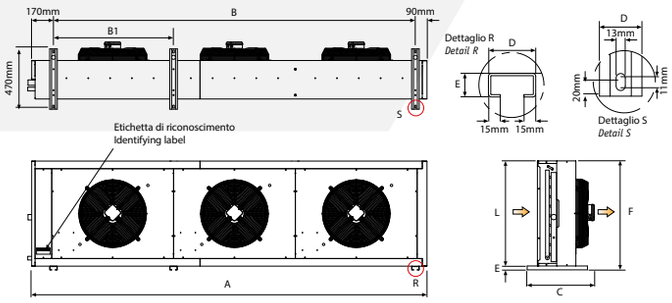
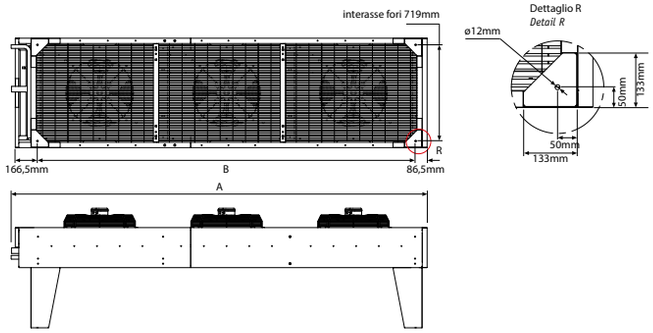
CARATTERISTICHE COSTRUTTIVE - INSTALLAZIONE ORIZZONTALE
MANUFACTURING FEATURES - HORIZONTAL INSTALLATION

GAS COOLER	DIMENSIONS							
	A (mm)	B (mm)	B1 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	L (mm)
RRCX01500	1183	923	-	525	60	30	849	819
RRCX02500	2133	1873						
RRCX03500	3083	2823	936.5					
RRCX04500	4033	3773	1886.5	525				



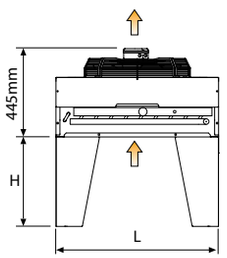
CARATTERISTICHE COSTRUTTIVE - INSTALLAZIONE VERTICALE
MANUFACTURING FEATURES - VERTICAL INSTALLATION

GAS COOLER	DIMENSIONS		
	A (mm)	B (mm)	L (mm)
RRCX01500	1183	930	819
RRCX02500	2133	1880	
RRCX03500	3083	2830	
RRCX04500	4033	3780	819



OPTIONAL GAMBE DI SUPPORTO
OPTIONAL SUPPORT LEGS

REF	MODEL	ALTEZZA	PESO
		HEIGHT (mm)	WEIGHT (Kg)
RRCX01500	RRC0150KV05	450	11.5
RRCX02500			
RRCX03500			
RRCX04500	RRC0650KV05	450	17.2



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RRCX Ø 630 - CARATTERISTICHE TECNICHE - TECHNICAL FEATURES

MODEL		EC FAN MOTORS	NOISE LEVEL		ROWS	FIN SPACING	PIPING		CIRCUIT SURFACE	CIRCUIT VOLUME	AIR FLOW	CO_2 FLOW	NET WEIGHT
		no. X Ø	MAX SPEED dist =10m (dbA)	AVERAGE 24h dist =10m (dbA)			INLET Ø x thickness [In x mm]	OUTLET Ø x thickness [In x mm]	[m^2]	[liters]	MAX SPEED [m^3/h]	MAX SPEED [Kg/h]	[Kg]
	RRCX016304VB	1x630	52.1	47.5	4	2.1	3/4" x 1.3	5/8" x 1.05	91	7.29	18173	827	185.0
	RRCX016304SB		44.6	39.9							11323	650	168.3
	RRCX016304AB		31.6	27.1							6738	485	164.5
	RRCX016305VB		52.1	47.5	5	2.1	7/8" x 1.5	3/4" x 1.30	113	9.04	17501	989	194.0
	RRCX016305SB		44.6	39.9							10973	767	177.3
	RRCX016305AB		31.6	27.1							6419	549	173.5
	RRCX026304VB	2x630	55.0	50.3	4	2.1	1 1/8" x 1.90 K65 1" GAS x 2 INOX	7/8" x 1.50 K65 1/2" GAS x 2 INOX	182	14.26	36347	1683	266.5
	RRCX026304SB		47.5	42.7							22645	1320	233.1
	RRCX026304AB		34.5	29.9							13475	981	225.5
	RRCX026305VB		55.0	50.3	5	2.1	1 3/8" x 2.3 K65 1" GAS x 2 INOX	1 1/8" x 1.9 K65 1" GAS x 2 INOX	227	17.34	34987	1943	276.5
	RRCX026305SB		47.5	42.7							21937	1491	243.1
	RRCX026305AB		34.5	29.9							12831	1078	235.5
	RRCX036304VB	3x630	56.6	52.2	4	2.1	1 3/8" x 2.3 K65 1" GAS x 2 INOX	1 1/8" x 1.90 K65 1" GAS x 2 INOX	273	21,76	54522	2526	395.7
	RRCX036304SB		49.1	44.6							33968	1974	345.6
	RRCX036304AB		36.1	31.8							20213	1464	334.2
	RRCX036305VB		56.6	52.2	5	2.1	1 5/8" x 2.70 K65 1 1/4" GAS x 3 INOX	1 3/8" x 2.30 K65 1" GAS x 2 INOX	340	26.67	52493	2969	410.7
	RRCX036305SB		49.1	44.6							32912	2279	360.6
	RRCX036305AB		36.1	31.8							19251	1641	349.2
	RRCX046304VB	4x630	57.7	53.1	4	2.1	1 5/8" x 2.70 K65 1 1/4" GAS x 3 INOX	1 3/8" x 2.30 K65 1" GAS x 2 INOX	364	28.23	72689	3378	525.0
	RRCX046304SB		50.2	45.5							45289	2650	458.2
	RRCX046304AB		37.2	32.7							26947	1957	443.0
	RRCX046305VB		57.7	53.1	5	2.1	1 5/8" x 2.70 K65 1 1/4" GAS x 3 INOX	1 3/8" x 2.30 K65 1" GAS x 2 INOX	455	35.31	70192	4000	545.0
	RRCX046305SB		50.2	45.5							43989	3067	478.2
	RRCX046305AB		37.2	32.7							25764	2202	463.0

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TABELLA RESE MODELLI Ø630 - Ø630 MODELS PERFORMANCE TABLE

REFRIGERATION CAPACITIES											
MODEL		EC FAN MOTORS	MAX SPEED	ABSORPTION		"A" CONDITIONS		"B" CONDITIONS		"C" CONDITIONS	
		no. X Ø	[rpm]	[Watt]	[A]	2K APPROACH [kW]	3K APPROACH [kW]	2K APPROACH [kW]	3K APPROACH [kW]	2K APPROACH [kW]	3K APPROACH [kW]
	RRCX016304VB	1x630	1510	3200	5.0	41.36	46.30	41.91	47.66	42.82	49.33
	RRCX016304SB		1080	825	1.4	32.50	36.27	32.95	37.42	34.60	39.71
	RRCX016304AB		690	184	1.2	24.35	27.03	24.80	27.84	25.32	28.92
	RRCX016305VB		1510	3200	5.0	49.28	54.86	50.20	56.74	51.34	58.28
	RRCX016305SB		1080	825	1.4	38.50	42.62	39.03	43.93	39.90	45.51
	RRCX016305AB		690	184	1.2	27.82	30.72	28.03	31.70	29.00	32.86
	RRCX026304VB	2x630	1510	6400	10.0	84.24	94.30	85.35	97.08	87.19	100.54
	RRCX026304SB		1080	1650	2.8	65.96	73.58	66.82	75.71	68.50	78.39
	RRCX026304AB		690	368	2.4	49.47	54.82	50.16	56.48	51.25	58.34
	RRCX026305VB		1510	6400	10.0	96.93	108.14	98.32	111.41	100.45	115.49
	RRCX026305SB		1080	1650	2.8	75.05	83.38	76.13	85.19	77.79	86.78
	RRCX026305AB		690	368	2.4	54.27	59.87	55.09	60.87	55.88	63.84
	RRCX036304VB	3x630	1510	9600	15.0	126.28	141.01	128.02	145.67	130.82	150.88
	RRCX036304SB		1080	2475	4.2	98.61	110.07	99.98	113.31	102.52	117.33
	RRCX036304AB		690	552	3.6	73.42	81.48	74.77	84.26	76.39	87.11
	RRCX036305VB		1510	9600	15.0	148.01	165.25	150.19	170.17	153.52	175.04
	RRCX036305SB		1080	2475	4.2	114.48	127.06	116.05	130.96	118.59	135.71
	RRCX036305AB		690	552	3.6	82.51	91.04	83.30	93.98	85.78	97.42
	RRCX046304VB	4x630	1510	12800	20.0	168.76	188.49	171.08	194.70	174.79	201.67
	RRCX046304SB		1080	3300	5.6	131.79	147.10	133.56	151.42	136.97	156.80
	RRCX046304AB		690	736	4.8	98.06	108.95	99.92	112.61	102.15	116.24
	RRCX046305VB		1510	12800	20.0	198.80	221.93	202.04	228.71	206.94	236.95
	RRCX046305SB		1080	3300	5.6	154.12	170.59	155.78	175.82	159.90	182.78
	RRCX046305AB		690	736	4.8	111.19	122.24	112.41	126.12	114.97	130.74

CONDIZIONI DI CALCOLO DATI DI RESA

(vedi pagina 6) Per condizioni diverse contattare il nostro ufficio tecnico.

CONDITIONS OF CAPACITY CALCULATION DATA

(see page 6) For different conditions, please contact our technical department.

LEISTUNGSANGABEN

(s. Seite 6) Bei abweichenden Bedingungen wenden Sie sich an unser technisches Büro.

CONDITIONS DE CALCUL DES DONNÉES DE FONCTIONNEMENT

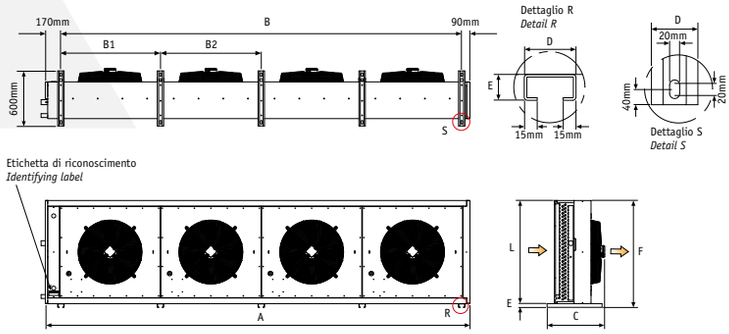
(voir page 6) Pour des conditions différentes, contactez notre bureau technique.

CONDICIONES DE CÁLCULO DE LA POTENCIA FRIGORÍFICA

(ver pág. 6) Para condiciones distintas de las indicadas, contactar con nuestro departamento Técnico.

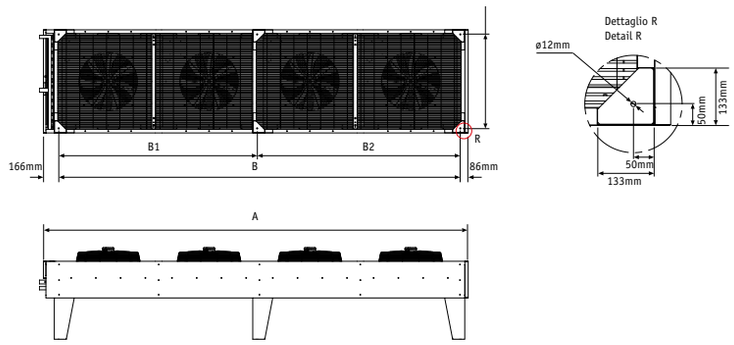
CARATTERISTICHE COSTRUTTIVE - INSTALLAZIONE ORIZZONTALE
MANUFACTURING FEATURES - HORIZONTAL INSTALLATION

GAS COOLER	DIMENSIONS								
	A (mm)	B (mm)	B1 (mm)	B2 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	L (mm)
RRCX01630	1333	1073	-	-	629	70	40	1165	1125
RRCX02630	2433	2173							
RRCX03630	3533	3273	1086.5	1100					
RRCX04630	4633	4373							



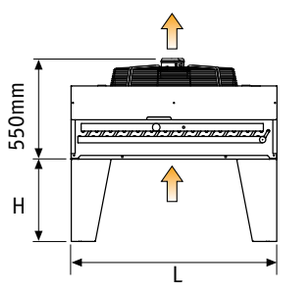
CARATTERISTICHE COSTRUTTIVE - INSTALLAZIONE VERTICALE
MANUFACTURING FEATURES - VERTICAL INSTALLATION

GAS COOLER	DIMENSIONS				
	A (mm)	B (mm)	B1 (mm)	B2 (mm)	L (mm)
RRCX01630	1333	1081	-	-	1125
RRCX02630	2433	2181	-	-	
RRCX03630	3533	3281	-	-	
RRCX04630	4633	4381	2165	2216	



OPTIONAL GAMBE DI SUPPORTO
OPTIONAL SUPPORT LEGS

REF	MODEL	ALTEZZA	PESO
		HEIGHT (mm)	WEIGHT (Kg)
RRCX01630	RRC0150KV05	450	11.5
RRCX02630			
RRCX03630			
RRCX04630	RRC0650KV05		17.5



RIVACOLD MASTERING COLD

RRCX Ø 800 - CARATTERISTICHE TECNICHE - TECHNICAL FEATURES

	MODEL	EC FAN MOTORS	NOISE LEVEL		ROWS	FIN SPACING	PIPING		CIRCUIT SURFACE	CIRCUIT VOLUME	AIR FLOW	CO_2 FLOW	NET WEIGHT
		no. X Ø	MAX SPEED dist =10m (dbA)	AVERAGE 24h dist =10m (dbA)			INLET Ø x thickness [In x mm]	OUTLET Ø x thickness [In x mm]	[m^2]	[liters]	MAX SPEED [m^3/h]	MAX SPEED [Kg/h]	[Kg]
	RRCX028004SB	2x800	46.8	42.1	4	2.1	1 3/8" x 2.3 K65 1"GAS x 2 INOX	1 1/8" x 1.90 K65 1" GAS x 2 INOX	227	18	37451	1946	334.9
	RRCX028004AB		38.3	33.7							29074	1702	310.7
	RRCX028004NB		33.3	28.8							23205	1504	306.5
	RRCX028005SB		46.8	42.1	5	2.1	1 3/8" x 2.3 K65 1"GAS x 2 INOX	1 1/8" x 1.90 K65 1" GAS x 2 INOX	283	22	35616	2268	356.1
	RRCX028005AB		38.3	33.7							27691	1967	331.9
	RRCX028005NB		33.3	28.8							21828	1707	327.7
	RRCX038004SB	3x800	48.4	43.9	4	2.1	1 5/8" x 2.7 K65 1 1/4" GAS x 3 INOX	1 3/8" x 2.30 K65 1" GAS x 2 INOX	340	26	55995	2925	486.4
	RRCX038004AB		39.9	35.5							43478	2558	450.1
	RRCX038004NB		34.9	30.6							34674	2258	443.8
	RRCX038005SB		48.4	43.9	5	2.1	1 5/8" x 2.7 K65 1 1/4" GAS x 3 INOX	1 3/8" x 2.30 K65 1" GAS x 2 INOX	425	33	53261	3535	518.2
	RRCX038005AB		39.9	35.5							41408	3061	481.9
	RRCX038005NB		34.9	30.6							32618	2663	475.6
	RRCX048004SB	4x800	49.5	44.8	4	2.1	1 5/8" x 2.7 K65 1 1/4" GAS x 3 INOX	1 3/8" x 2.30 K65 1" GAS x 2 INOX	453	35	74896	3896	606.0
	RRCX048004AB		41.0	36.4							58142	3405	557.6
	RRCX048004NB		36.0	31.5							46405	3003	549.2
	RRCX048005SB		49.5	44.8	5	2.1	2 x 1 3/8" x 2.3 K65 1"GAS x 2 INOX	2 x 1 1/8" x 1.90 K65 1" GAS x 2 INOX	567	44	71253	4533	637.0
	RRCX048005AB		41.0	36.4							55398	3925	588.6
	RRCX048005NB		36.0	31.5							43672	3390	580.2
	RRCX048004SBW	4x800(2+2)	49.6	44.9	4	2.1	2 x 1 5/8" x 2.7 K65 1 1/4" GAS x 3 INOX	2 x 1 3/8" x 2.3 K65 1" GAS x 2 INOX	425	33	73140	3723	650.0
	RRCX048004ABW		41.1	36.5							56847	3264	601.6
	RRCX048004NBW		36.1	31.6							45105	2874	593.2
	RRCX048005SBW		49.6	44.9	5	2.1	2 x 1 5/8" x 2.7 K65 1 1/4" GAS x 3 INOX	2 x 1 3/8" x 2.3 K65 1" GAS x 2 INOX	531	41	69255	4440	692.4
	RRCX048005ABW		41.1	36.5							53802	3850	644.0
	RRCX048005NBW		36.1	31.6							42146	3330	635.6
	RRCX068004SB	6x800	51.3	46.8	4	2.1	2 x 1 5/8 X 2.7 K65 1 1/4" GAS x 3 INOX	2 x 1 3/8" x 2.30 K65 1"GAS X 2 INOX	638	50	109701	5576	907.2
	RRCX068004AB		42.8	38.4							85262	4883	834.6
	RRCX068004NB		37.8	33.5							67649	4221	822.0
	RRCX068005SB		51.3	46.8	5	2.1	2 x 1 5/8" x 2.7 K65 1 1/4" GAS x 3 INOX	2 x 1 3/8" x 2.30 K65 1"GAS X 2 INOX	797	62	103877	6773	969.0
	RRCX068005AB		42.8	38.4							80699	5894	896.4
	RRCX068005NB		37.8	33.5							63215	5096	883.8
	RRCX088004SB	8x800	52.4	47.6	4	2.1	2 x 1 5/8" x 2.7 K65 1 1/4" GAS x 3 INOX	2 x 1 3/8" x 2.30 K65 1"GAS X 2 INOX	850	66	146002	7437	1200.6
	RRCX088004AB		43.9	39.2							113485	6514	1103.8
	RRCX088004NB		38.9	34.3							90000	5727	1087.0
	RRCX088005SB		52.4	47.6	5	2.1	2 x 2 1/8" x 3.55 K65 1 1/2" GAS x 3 INOX	2 x 1 5/8" x 2.7 K65 1 1/4" GAS x 3 INOX	1063	82	138507	8635	1265.0
	RRCX088005AB		43.9	39.2							107603	7506	1168.2
	RRCX088005NB		38.9	34.3							84290	6482	1151.4






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TABELLA RESE MODELLI Ø800 - Ø800 MODELS PERFORMANCE TABLE

REFRIGERATION CAPACITIES											
MODEL		EC FAN MOTORS	MAX SPEED	ABSORPTION		"A" CONDITIONS		"B" CONDITIONS		"C" CONDITIONS	
		no. X Ø	[rpm]	[Watt]	[A]	2K APPROACH [kW]	3K APPROACH [kW]	2K APPROACH [kW]	3K APPROACH [kW]	2K APPROACH [kW]	3K APPROACH [kW]
	RRCX028004SB	2x800	925	3700	5.70	97.67	108.84	99.02	112.10	101.15	116.18
	RRCX028004AB		735	1670	2.80	85.28	94.92	86.49	97.68	88.45	101.22
	RRCX028004NB		600	880	3.80	75.75	83.77	76.77	86.59	78.12	89.31
	RRCX028005SB		925	3700	5.70	113.25	125.79	114.89	129.64	117.85	134.86
	RRCX028005AB		735	1670	2.80	98.36	108.94	99.87	112.36	102.45	116.79
	RRCX028005NB		600	880	3.80	85.87	94.84	86.82	97.41	88.83	100.95
	RRCX038004SB	3x800	925	5550	8.55	146.85	163.63	148.77	168.49	152.05	174.62
	RRCX038004AB		735	2505	4.20	128.72	142.66	129.92	146.79	132.87	152.06
	RRCX038004NB		600	1320	5.70	113.61	126.12	115.14	129.93	117.32	134.02
	RRCX038005SB		925	5550	8.55	177.91	196.83	180.67	202.56	184.94	210.38
	RRCX038005AB		735	2505	4.20	154.54	169.95	157.64	176.03	160.48	181.95
	RRCX038005NB		600	1320	5.70	134.80	147.29	136.88	152.02	140.16	157.75
	RRCX048004SB	4x800	925	7400	11.40	194.65	217.93	198.18	224.45	202.41	232.57
	RRCX048004AB		735	3340	5.60	171.24	189.84	172.86	195.33	176.80	202.34
	RRCX048004NB		600	1760	7.60	151.13	167.81	153.34	172.88	155.90	178.27
	RRCX048005SB		925	7400	11.40	226.13	251.37	229.43	259.08	235.57	269.57
	RRCX048005AB		735	3340	5.60	196.08	217.35	199.07	224.16	204.25	233.06
	RRCX048005NB		600	1760	7.60	170.95	188.82	172.83	194.08	176.83	201.13
	RRCX048004SBW	4x800(2+2)	925	7400	11.40	186.07	207.50	189.41	214.00	193.50	222.25
	RRCX048004ABW		735	3340	5.60	163.51	181.94	165.65	187.77	170.02	194.01
	RRCX048004NBW		600	1760	7.60	144.73	160.67	146.29	165.61	149.36	171.50
	RRCX048005SBW		925	7400	11.40	223.17	246.56	226.54	254.22	229.89	262.52
	RRCX048005ABW		735	3340	5.60	193.46	213.88	196.86	220.52	201.54	228.88
	RRCX048005NBW		600	1760	7.60	168.22	185.01	170.74	189.52	174.66	197.89
	RRCX068004SB	6x800	925	11100	17.10	278.71	311.06	283.80	320.91	289.94	333.12
	RRCX068004AB		735	5010	8.40	244.56	272.32	247.89	280.60	254.32	290.36
	RRCX068004NB		600	2640	11.40	216.11	240.10	218.45	246.62	223.84	256.26
	RRCX068005SB		925	11100	17.10	341.72	375.53	346.00	389.16	354.21	403.13
	RRCX068005AB		735	5010	8.40	296.08	325.65	302.08	337.53	308.04	348.90
	RRCX068005NB		600	2640	11.40	256.72	281.61	261.87	290.85	267.83	301.76
	RRCX088004SB	8x800	925	14800	22.80	371.67	414.69	378.38	426.96	386.57	444.25
	RRCX088004AB		735	6680	11.20	327.56	364.48	330.55	374.83	339.19	387.18
	RRCX088004NB		600	3520	15.20	287.26	319.15	291.35	328.75	298.46	341.68
	RRCX088005SB		925	14800	22.80	434.24	480.56	438.22	495.19	448.21	515.08
	RRCX088005AB		735	6680	11.20	375.57	415.92	380.57	428.67	390.72	445.84
	RRCX088005NB		600	3520	15.20	324.97	360.22	329.26	370.02	337.03	383.51

CONDIZIONI DI CALCOLO DATI DI RESA

(vedi pagina 6) Per condizioni diverse contattare il nostro ufficio tecnico.

CONDITIONS OF CAPACITY CALCULATION DATA

(see page 6) For different conditions, please contact our technical department.

LEISTUNGSANGABEN

(s. Seite 6) Bei abweichenden Bedingungen wenden Sie sich an unser technisches Büro.

CONDITIONS DE CALCUL DES DONNÉES DE FONCTIONNEMENT

(voir page 6) Pour des conditions différentes, contactez notre bureau technique.

CONDICIONES DE CÁLCULO DE LA POTENCIA FRIGORÍFICA

(ver pág. 6) Para condiciones distintas de las indicadas, contactar con nuestro departamento Técnico.

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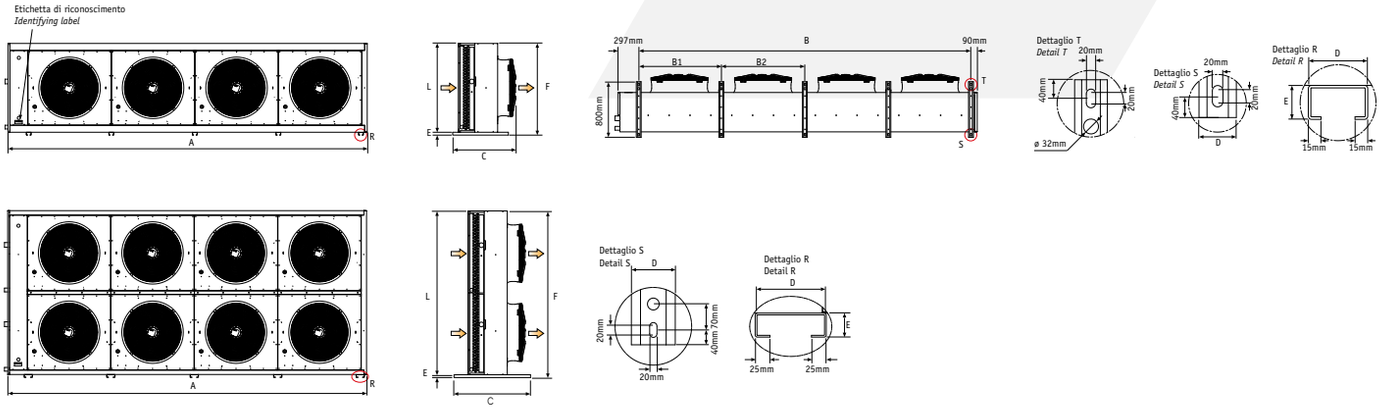
CARATTERISTICHE COSTRUTTIVE - INSTALLAZIONE ORIZZONTALE
MANUFACTURING FEATURES - HORIZONTAL INSTALLATION

GAS COOLER	DIMENSIONS								
	A (mm)	B (mm)	B1 (mm)	B2 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	L (mm)
RRCX02800	2760	2373	-	-	906	70	40	1315	1275
RRCX03800	3960	3573	1186.5	1200	906				
RRCX04800	5160	4773			906				
RRCX04800_W	2760	2373		-	1100	120		2365	2325
RRCX06800	3960	3573		1200	1100				
RRCX08800	5160	4773			1100				

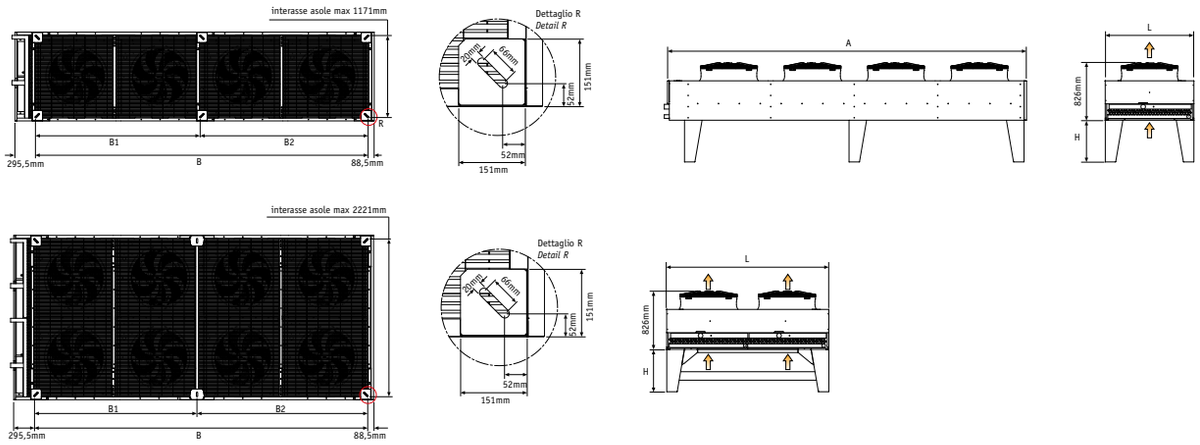


CARATTERISTICHE COSTRUTTIVE - INSTALLAZIONE VERTICALE
MANUFACTURING FEATURES - VERTICAL INSTALLATION

GAS COOLER	DIMENSIONS				
	A (mm)	B (mm)	B1 (mm)	B2 (mm)	L (mm)
RRCX02800	2760	2376	-	-	1275
RRCX03800	3960	3576			
RRCX04800	5160	4776	2364.5	2411.5	
RRCX04800_W	2760	2376	-	-	2325
RRCX06800	3960	3376	1132.5	2443.5	
RRCX08800	5160	4776	2332.5		

OPTIONAL - GAMBE DI SUPPORTO
OPTIONAL - SUPPORT LEGS

REFERENCE	MODEL	HEIGHT	WEIGHT
		[mm]	[kg]
RRCX0280	RRC0180KV06	600	22.2
RRCX0380			
RRCX0480	RRC0480KV06		33.2
RRCX0480_W	RRC0480KV06W		34.2
RRCX0680	RRC0680KV06		59.3
RRCX0880	RRC0880KV06		62.1



RRCX Ø 1000 - CARATTERISTICHE TECNICHE - TECHNICAL FEATURES

MODEL		EC FAN MOTORS	NOISE LEVEL		ROWS	FIN SPACING	PIPING		CIRCUIT SURFACE	CIRCUIT VOLUME	AIR FLOW	CO_2 FLOW	NET WEIGHT
		no. X Ø	MAX SPEED dist =10m (dbA)	AVERAGE 24h dist =10m (dbA)			INLET Ø x thickness [In x mm]	OUTLET Ø x thickness [In x mm]	[m^2]	[liters]	MAX SPEED [m^3/h]	MAX SPEED [Kg/h]	[Kg]
	RRCX061004SB	6x1000 (3+3)	56.6	52.1	4	2.1	2 x 1 5/8" x 2.7 K65 1 1/4" GAS x 3 INOX	2 x 1 3/8" x 2.3 K65 1" GAS x 2 INOX	1063	82	172761	9432	1356
	RRCX061005SB		56.6	52.1	5	2.1	2 x 2 1/8" x 3.55 K65 1 1/2" GAS x 3 INOX	2 x 1 5/8" x 2.7 K65 1 1/4" GAS x 3 INOX	1329	102.5	165251	10920	1465

99220361 CAT REV 02_07/21

DATI TECNICI E TABELLA RESE MODELLI Ø1000 - Ø1000 MODELS TECHNICAL DATA AND PERFORMANCE

REFRIGERATION CAPACITIES											
MODEL		EC FAN MOTORS	MAX SPEED	ABSORPTION		"A" CONDITIONS		"B" CONDITIONS		"C" CONDITIONS	
		no. X Ø	[rpm]	[Watt]	[A]	2K APPROACH [kW]	3K APPROACH [kW]	2K APPROACH [kW]	3K APPROACH [kW]	2K APPROACH [kW]	3K APPROACH [kW]
	RRCX061004SB	6x1000 (3+3)	925	15000	19.2	471.38	521.89	479.79	538.39	491.44	561.13
	RRCX061005SB		735	15000	19.2	549.90	606.22	557.79	625.99	570.87	649.82

CONDIZIONI DI CALCOLO DATI DI RESA

(vedi pagina 6) Per condizioni diverse contattare il nostro ufficio tecnico.

CONDITIONS OF CAPACITY CALCULATION DATA

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LEISTUNGSANGABEN

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CONDITIONS DE CALCUL DES DONNÉES DE FONCTIONNEMENT

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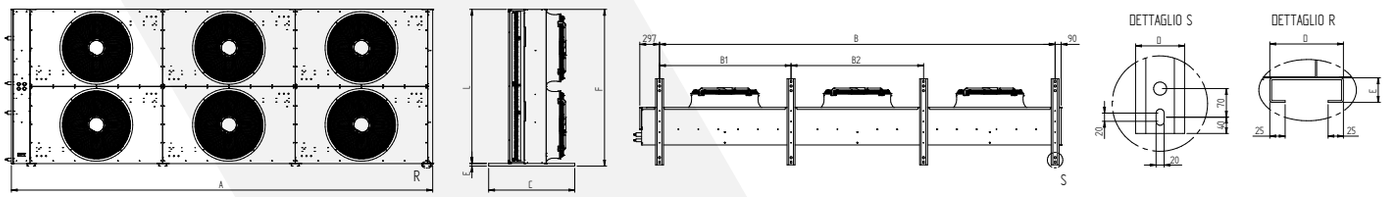
CONDICIONES DE CÁLCULO DE LA POTENCIA FRIGORÍFICA

(ver pág. 6) Para condiciones distintas de las indicadas, contactar con nuestro departamento Técnico.

CARATTERISTICHE COSTRUTTIVE - INSTALLAZIONE ORIZZONTALE
MANUFACTURING FEATURES - HORIZONTAL INSTALLATION

GAS COOLER	DIMENSIONS							
	A (mm)	B (mm)	B1 (mm)	B2 (mm)	C (mm)	D (mm)	E (mm)	F (mm)
RRCX06100	6360	5973	1986.5	2000	1300	120	40	2365

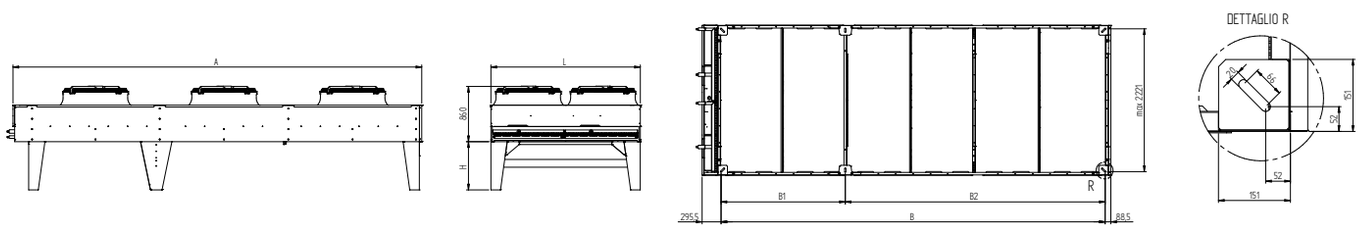


CARATTERISTICHE COSTRUTTIVE - INSTALLAZIONE VERTICALE
MANUFACTURING FEATURES - VERTICAL INSTALLATION

GAS COOLER	DIMENSIONS				
	A (mm)	B (mm)	B1 (mm)	B2 (mm)	L (mm)
RRCX06100	6360	5976	1932.5	4043.5	2430

OPTIONAL - GAMBE DI SUPPORTO
OPTIONAL - SUPPORT LEGS

REFERENCE	MODEL	HEIGHT	WEIGHT
		[mm]	[kg]
RRCX06100	RRC0610KV07	750	66.6

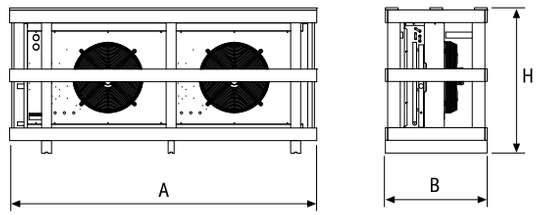


IMBALLO GAS COOLER
GAS COOLER PACKAGE

PACKAGE REF	WEIGHT (Kg)	DIMENSIONS			
		A (mm)	B (mm)	H (mm)	TYPE REF
RRCX01500	36.5	1359	765	1092	1
RRCX02500	55.5	2309	765	1092	1
RRCX03500	77.2	3259	765	1092	1
RRCX04500	31	2275	835	1805	2
RRCX01630	45.9	1540	915	1420	1
RRCX02630	72.1	2640	915	1420	1
RRCX03630	128.4	3740	915	1420	1
RRCX04630	161.3	4840	915	1420	1
RRCX02800	95.1	2960	1125	1580	1
RRCX03800	147.6	4160	1125	1580	1
RRCX04800	187	5360	1125	1580	1
RRCX04800_W	47	3000	1120	2559	2
RRCX06800	76	4200	1120	2559	2
RRCX08800	97	5400	1120	2559	2
RRCX06100	178	6600	1315	2559	2

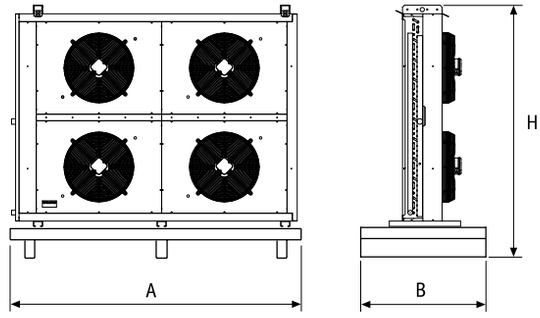
GABBIA IN LEGNO / WOODEN CRATE

1



PALLET DI LEGNO / WOODEN PALLET

2



99220361 CAT REV 02_07/21

CALCOLI DI RUMOROSITÀ

Il livello di pressione sonora Lp a 10metri di distanza dalla sorgente sonora, indicato a catalogo, è calcolato partendo dal livello di potenza sonora tramite l'utilizzo della seguente formula :Lp = Lw - 10 x Lg [Sd/So]

DOVE:
Lp: Livello di pressione sonora medio dell'apparecchio su una superfice parallelepipeda
Lw: Livello di potenza sonora dell'apparecchio
So: Superfice di riferimento pari a 1 m^2
Sd: Superfice del parallelepipedo alla distanza di 10 m

Il livello di pressione sonora Lp indicato su questo catalogo rappresenta il valore medio su di una superfice parallelepipeda costruita attorno all'apparecchio stesso, in campo libero con una superficie riflettente.

(rif. EN 13487).

NOISE LEVEL CALCULATIONS

The value printed in the present catalogue relevant to the sound pressure level Lp at 10 m distance from the sound source has been calculated starting from the Lw value, sound power level by using the following calculation formula: Lp = Lw - 10 x Lg [Sd/So]

WHICH ARE:
Lp: Mean sound pressure level of the unit on a parallelepiped surface
Lw: Power sound level of the unit
So: Reference surface taken into account 1 m^2
Sd: Parallelepiped surface at a 10 m distance

The pressure sound level considered in the present catalogue represent the mean value on a parallelepiped surface surrounding the units at 10m distance from any side of the unit it self on a free field with a reflecting surface.

(Ref EN 13487).

BERECHNUNG DES GERÄUSCHPEGELS

Der im Katalog angegebene Schalldruckpegel Lp bei einer Entefernung von 10 m von der Schallquelle wird ausgehend vom Schallleistungspegel nach folgender Formel berechnet: Lp = Lw - 10 x Lg [Sd/So]

WELCHE SIND:
Lp: Durchschnittlicher Schalldruckpegel des Geräts auf einer Parallelepiped-Oberfläche
Lw: Schallleistungspegel des Geräts
So: Referenzfläche gleich 1m^2
Sd: Oberfläche des Parallelepipeds bei einer Entfernung von 10 m

Der im Katalog angegebene Schalldruckpegel Lp zeigt den Durchsnittswert auf einer Parallelepiped-Oberfläche, die um das Gerät herum und im freien Feld mit einer reflektierenden Oberfläche aufgebaut ist.

(Ref EN 13487).

CALCUL DE NIVEAU SONORE

La valeur imprimée dans le présent catalogue concernant le niveau de pression acoustique Lp à 10 m de distance de la source sonore a été calculée à partir de la valeur Lw, niveau de puissance acoustique en utilisant la formule de calcul suivante: Lp = Lw - 10 x Lg [Sd /Donc]

QUI SONT:
Lp: Niveau de pression acoustique moyen de l'unité sur un surface parallélépipédique
Lw: niveau sonore de puissance de l'unité
So: Surface de référence prise en compte 1 m2
Sd: surface parallélépipédique à 10 m de distance

Le niveau de pression acoustique considéré dans le présent catalogue représente la valeur moyenne sur une surface parallélépipédique entourant les unités à 10 m de distance de tout côté de l'unité elle-même sur un champ libre avec une surface réfléchissante.

(Réf EN 13487).

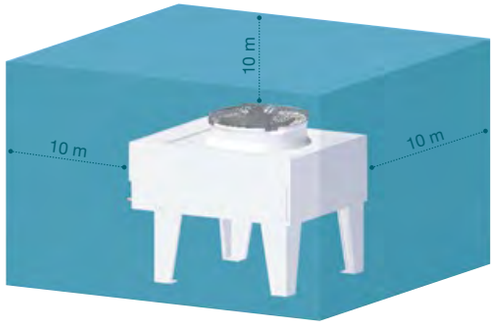
CÁLCULO DE NIVEL SONORO

El nivel de presión sonora Lp indicado en el cátalogo a 10 metros de distancia de la fuente sonora ha sido calculado partiendo del nivel de potencia sonora mediante la siguiente fórmula: Lp = Lw - 10 x Lg [Sd/So]

DONDE:
Lp: nivel medio de presión sonora en una superficie paralelepípeda
Lw: Potencia sonora de la unidad
So: Superficie de referencia de 1m2
Sd: Superficie paralelepípeda a 10 metros de distancia

El nivel de presión sonora considerado en el presente catálogo representa el valor medio en una superfície paralelepípeda construida entorno a los 10 metros de distancia de cualquier lado de la unidad, en un campo libre con una superficie reflectante

(Ref EN 13487).



DISTANCE	1 m	5 m	10 m	15 m
dbA	15	5	0	-3

Somos Frío.

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Jarama,9 45007 Toledo

925 679 549