



SISTEMI SPLIT PER SALE DI LAVORAZIONE

SPLIT SYSTEM FOR FOOD PREPARATION
AREAS**TH...DF**

Serie split - con aeroevaporatore doppio flusso
Split range - with dual air flow ceiling unit coolers

R404A**HBP**

Campo di esercizio (Te)
Operating range (Te)

+15°C ÷ +8°C

Potenza compressore
Compressor power

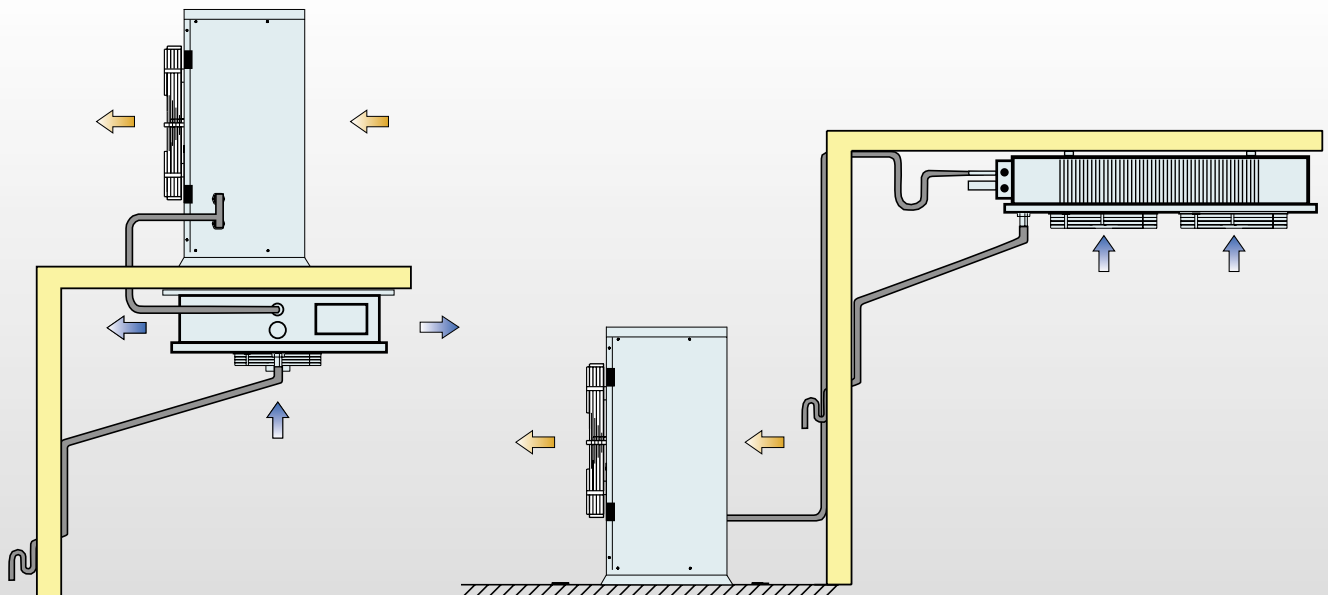
1/2 ÷ 6 HP

Potenza Frigorifera
Refrigerating capacity

1700 ÷ 14500 W
Ta = 32°C (Tc = +12°C)

Tipo di sbrinamento
Defrosting type

A



TH...DF

R404A

Caratteristiche generali

Carenatura autoportante in acciaio elettrozincato verniciato a polvere epossidica (RAL 7035)
 Isolamento acustico
 Resistenza carter
 Silenziatore sulla mandata del compressore
 Attacchi con rubinetto a saldare
 Evaporatore doppio flusso con ventilatori a bassa velocità
 Sbrinamento ad aria
 Espansione a valvola termostatica
 Pressostato di alta a taratura fissa riarmo automatico
 Pressostato di bassa a taratura regolabile riarmo automatico
 Centralina elettronica di controllo
 Pannello di controllo remoto (10m)
 Micro porta con cavo (2,5m)
 Luce cella con cavo (2,5m)
 Scarico diretto dell'acqua di condensa
 Cavo di alimentazione (2,5m)
 Cavi di connessione evaporatore/unità condensatrice (10m)
 imballo incluso

Optional

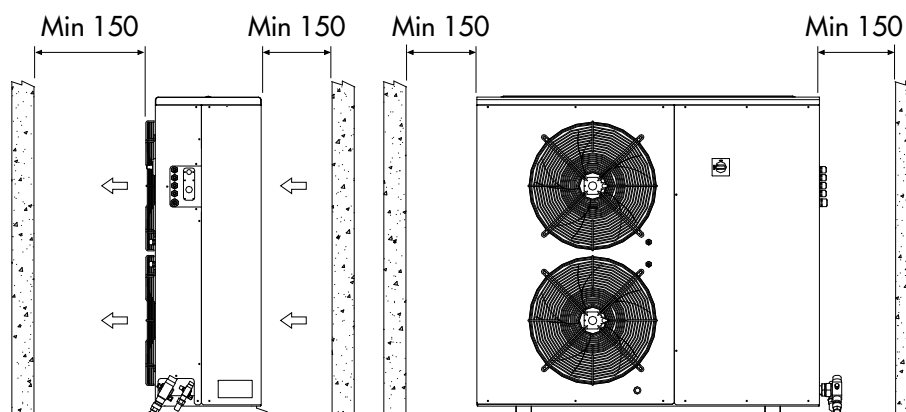
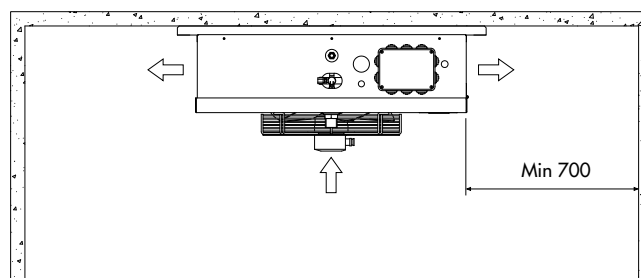
Tubazioni precaricate nelle lunghezze di 2,5/5/10m (dove disponibili)
 Gas diverso
 Voltaggio diverso
 Variatore di velocità ventole condensatore
 Staffe di montaggio per motocondensante
 Separatore olio
 Monitor di tensione
 Interruttore magnetotermico differenziale
 Predisposizione per telegestione e/o Master e Slave
 Sistema di telegestione

General features

Self-supporting casing in zinc plated steel varnished with epoxy powder (RAL7035)
 Sound insulation
 Crankcase heater
 Muffler on the compressor discharge line
 Shut-off valves connection to be welded
 Dual air flow ceiling unit coolers with low speed fans
 Air defrost
 Thermostatic valve or capillary expansion
 High pressure switch with fixed setting and automatic reset
 Low pressure switch with adjustable setting and automatic reset
 Electroni control panel
 Remote control panel (10m)
 Door micro switch with cable (2,5m)
 Cold room light with cable (2,5m)
 Condensing water direct discharge
 Power supply cable (2,5m)
 Connecting cables evaporator/condensing unit (10m)
 Package included

Optional

Pre-charged pipe connections of the following lengths 2,5/5/10m (when available)
 Different gas
 Different voltage
 Condenser fan speed variator
 Mounting brackets for condensing unit
 Oil separator
 Voltage monitor
 Differential thermomagnetic switch
 Presetting of electronic remote management and /or Master and Slave
 Management software system



Legenda/Legend

Sbrinamento / Defrost
 A = aria / air

Espansione / Expansion
 V = valvola / valve

Tipo di compressore / Compressor type
 E = ermetico / hermetic

R404A

R404A Code	Voltage	Compressor		PED Category	Total Absorption		Condenser fans	Evaporator	Weight	Refrigeration Output/Cold room volume																				
		HP	kW		Whn	In				n° x ø m³/h	n° x ø m³/h (ftm)	kg	Ta = 25°C						Ta = 32°C						Ta = 43°C					
													Tc = +8°C		Tc = +12°C		Tc = +15°C		Tc = +8°C		Tc = +12°C		Tc = +15°C		Tc = +8°C		Tc = +12°C		Tc = +15°C	
													W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³
THUH135Z0211Df	230/1/50	1/2	0,370	1	842	4,41	1x350 1699	2x250 1052	4,0	71	1701	17	1883	19	2014	20	1541	15	1705	17	1824	18	1277	13	1411	14	1510	15		
THUH135Z0311Df	230/1/50	1	0,735	1	1292	6,16	1x350 1524	2x250 1052	4,0	83	2537	25	2790	28	2966	30	2310	23	2538	25	2699	27	1928	19	2115	21	2248	22		
THUH140Z0212Df	400/3/50	1,12	0,825	1	1666	4,26	1x400 2734	3x250 1621	8,0	106	3437	34	3807	38	4078	41	3121	31	3460	35	3709	37	2594	26	2880	29	3091	31		
THUH140Z1212Df	400/3/50	1,25	0,920	1	1859	4,88	1x400 2734	3x250 1621	8,0	107	3768	38	4146	41	4418	44	3426	34	3768	38	4015	40	2851	29	3133	31	3338	33		
THUH140Z0312Df	400/3/50	2	1,470	1	2708	6,64	1x400 2580	4x250 2161	10,0	125	5249	52	5857	59	6273	63	4756	48	5313	53	5697	57	3932	39	4402	44	4731	47		
THUH145Z0312Df	400/3/50	2,75	1,840	1	3630	8,37	1x450 4031	3x350 4100	10,0	152	7223	72	8047	80	8632	86	6543	65	7298	73	7839	78	5416	54	6057	61	6519	65		
THUH145Z0412Df	400/3/50	3	2,200	1	4587	10,93	1x450 3827	3x350 4100	10,0	159	8559	86	9496	95	10149	101	7791	78	8650	87	9251	93	6509	65	7231	72	7742	77		
THUH245Z0312Df	400/3/50	4,5	3,310	2	5779	12,76	2x450 7125	4x350 5354	11,0	201	11535	115	12904	129	13885	139	10388	104	11640	116	12542	125	8441	84	9487	95	10251	103		
THUH245Z0412Df	400/3/50	5	3,675	2	6582	13,97	2x450 6575	5x350 6550	12,0	214	13077	131	14644	146	15742	157	11799	118	13224	132	14230	142	9643	96	10823	108	11667	117		
THUH245Z1412Df	400/3/50	6	4,410	2	7136	15,11	2x450 6575	5x350 6550	12,0	221	14214	142	15847	158	16978	170	12940	129	14447	144	15501	155	10808	108	12103	121	13022	130		
MBP																														

Condizioni di calcolo rese e assorbimenti (MBP: temp. gas aspirato -20°C, senza sovraraffreddamento del liquido, surriscaldamento utile 100%
Capacity and absorption calculation conditions (MBP: suction gas temp. +20°C, without liquid subcooling, 100% useful heat)

TH...DF

MONOBLOCCHI PER CELLE FRIGORIFERE PACKAGED UNITS FOR COLD ROOMS

BLOCKSYSTEM - SISTEMI SPLIT: INSTALLAZIONE ORIZZONTALE
(PAVIMENTO, TETTO, PARETE)

BLOCKSYSTEM - SPLIT SYSTEMS: HORIZONTAL INSTALLATION
(FLOOR, ROOF TOP, WALL)



LOW GWP SOLUTIONS



BASSO
GWP
LOW
GWP



RISPARMIO
ENERGETICO
ENERGY
SAVING



BASSA
RUMOROSITÀ
LOW
NOISE



MEDIA
TEMPERATURA
MEDIUM
TEMPERATURE



BASSA
TEMPERATURA
LOW
TEMPERATURE



COMPRESSORE
ERMETICO
HERMETIC
COMPRESSOR



COMPRESSORE
SCROLL
SCROLL
COMPRESSOR



ANTIPIOGGIA
WEATHER
PROOF



EASY
FIX
EASY
FIX

	MBP_R452A	MBP_R449A	LBP_R452A	LBP_R449A
CAMPO DI ESERCIZIO (Tc) OPERATING RANGE (Tc)	+5°C ÷ -5°C		-15°C ÷ -25°C	
SPOSTAMENTO VOL. COMPRESSORE COMPRESSOR DISPLACEMENT	8.85 cm³ ÷ 124.4 cm³	5.92 m³/h ÷ 18.8 m³/h	9.3 cm³ ÷ 124.4 cm³	5.92 m³/h ÷ 29.1 m³/h
VOLUME CELLA COLD ROOM VOLUME	4 m³ ÷ 180 m³	28 m³ ÷ 252 m³	2 m³ ÷ 77 m³	12 m³ ÷ 201 m³

R452A (GWP 2140) R449A (GWP 1397)

I prodotti in questo catalogo sono apparecchiature il cui funzionamento dipende da gas fluorurati a effetto serra.

Products in this catalogue are equipment whose functioning relies upon fluorinated greenhouse gases.

Bei den in diesem Katalog enthaltenen Produkten handelt es sich um Geräte, deren Funktion von fluorierten Treibhausgasen abhängt.

Les produits de ce catalogue sont des équipements dont le fonctionnement dépend de gaz fluorés à effet de serre.

Los productos de este catálogo son equipos cuyo funcionamiento depende de gases fluorados de efecto invernadero.

CARATTERISTICHE GENERALI

La gamma TH consiste in sistemi split dedicati alla refrigerazione commerciale per applicazioni in celle frigorifere di media e bassa temperatura. Questa gamma, validata per refrigeranti a basso GWP (<2500), è stata progettata tenendo conto dei seguenti fattori: dimensioni compatte, rapida messa in opera, facile accessibilità, bassa rumorosità ed alta resistenza agli elementi atmosferici per una sicura installazione esterna anche in centri abitati.

- Resistenza carter compressore
- Condensatore in tubo rame e alette in alluminio
- Ricevitore di liquido
- Filtro deidratatore
- Indicatore di liquido
- Espansione a valvola termostatica
- Imballo incluso
- Scarico diretto acqua di condensa
- Centralina elettronica di controllo
- Luce cella con cavo L=2,5m
- Micro porta con cavo L = 2,5m
- Cavo resistenza porta nei modelli LBP con cavo L=2,5m
- Cavo di alimentazione (L=2,5m)
- Cavi di connessione evaporatore/unità condensatrice L=10m
- Pannello di controllo remoto (10m)
- I motoventilatori utilizzati sono conformi alla direttiva ErP (Regolamento EU 327/2011)
- Carenatura autoportante in acciaio elettrozincato e verniciato a polvere epossidica (RAL 7035)
- Isolamento acustico
- Silenziatore sulla mandata del compressore
- Pressostato di alta a taratura fissa, riarmo automatico
- Pressostato di bassa a taratura regolabile, riarmo automatico
- Compressore ermetico (scroll o alternativo) con protezione interna del motore
- Motoventilatore assiale (230V/1/50Hz) a rotore esterno
- Collegamenti in scatola di derivazione
- Evaporatore, rame alluminio, opportunamente dimensionato, con sbrinamento elettrico
- Sistemi conformi alla direttiva PED

OPTIONAL

- Tubazioni precaricate nelle lunghezze di 2,5m /5m/10m (THU)
- Variatore velocità ventole condensatore
- Separatore d'olio (con rubinetto, filtro e indicatore)
- Staffe di montaggio unità condensatrice (cod. MS403/A)
- Monitor di tensione
- Predisposizione per telegestione e/o "master e slave" (OPT-N-BS)
- Gas diverso
- Voltaggio diverso
- Insonorizzazione 1 (unità condensatrice) : motoventilatori elettronici e variatore di velocità incluso (TH_U; TH_C)
- Insonorizzazione 2 (unità condensatrice) : motoventilatori elettronici, variatore di velocità e insonorizzazione plus (TH_U)
- Insonorizzazione 2 (unità condensatrice) : calotta compressore sound shell, motoventilatori elettronici, variatore di velocità (TH_C)
- Insonorizzazione 3 (unità condensatrice) : calotta compressore sound shell, motoventilatori elettronici, variatore di velocità e carena con insonorizzazione PLUS (TH_C)

GENERAL FEATURES

The TH range consists of split systems dedicated to commercial refrigeration for applications in medium and low temperature cold storage. This range, validated for low GWP refrigerants (<2500), has been designed with the following factors in mind: compact size, rapid commissioning, easy accessibility, low noise and high resistance to the elements for safe external installation even in populated areas.

- Crankcase heater
- Copper tube condenser and aluminium fins
- Liquid receiver
- Drier filter
- Sight glass
- Thermostatic valve expansion
- Package included
- Condensing water direct discharge
- Electronic control panel
- Cold room light with 2,5m long cable
- Door micro switch with 2,5m long cable
- Door heater cable for LBP items with 2.5m long cable
- Power supply cable (L=2.5m)
- Connecting cables evaporator/condensing unit L= 10m
- Remote control panel (10m)
- The fan-motors in use comply with ErP directive (Regulation EU 327/2011)
- Self-supporting casing in zinc plated steel varnished with epoxy powder (RAL 7035)
- Sound insulation
- Muffler on the compressor discharge
- High pressure switch with fixed setting and automatic reset
- Low pressure switch with adjustable setting and automatic reset
- Hermetic compressor (scroll or reciprocating) with internal motor protection
- Axial fan motor (230V/1/50Hz) with external rotor
- Junction box wire connections
- Copper-aluminium properly sized unit coolers with electrical defrost
- PED directive compliant split systems

OPTIONAL

- Pre-charged pipe connections of the following lengths: 2.5m/5m/10m (THU)
- Condenser fan speed variator
- Oil separator (with shut-off valve filter and sight -glass)
- Condensing unit's mounting brackets (code MS403/A)
- Voltage monitor
- Pre-setting of electronic remote management and/or "Master and Slave" (OPT-N-BS)
- Different gas
- Different voltage
- Low noise 1 (condensing unit): electronic fan motor and fans speed variator (TH_U; TH_C)
- Low noise 2 (condensing unit): electronic fan motors and housing with PLUS low noise insulation (TH_U)
- Low noise 2 (condensing unit): compressor sound shell ,electronic fan motors and fan motor speed variator (TH_C)
- Low noise 3 (condensing unit): compressor sound shell ,electronic fan motors, fan motor speed variator and housing with PLUS low noise insulation (TH_C)

PER ULTERIORI INFORMAZIONI CONTATTARE IL NOSTRO UFFICIO TECNICO. DESCRIZIONI, DATI TECNICI E ILLUSTRAZIONI SONO INDICATIVI E NON VINCOLANTI. LA RIVACOLD SI RISERVA IL DIRITTO DI MODIFICARE PER INTERO O IN PARTE LE SPECIFICHE DESCRITTE NELLA PRESENTE DOCUMENTAZIONE SENZA PREAVVISO E, A BENEFICIO DELLA CONTINUITÀ PRODUTTIVA, DI UTILIZZARE MARCHI ALTERNATIVI DEI COMPONENTI PREVISTI DAL PROGETTO.

FOR MORE INFORMATION, CONTACT OUR TECHNICAL OFFICE. DESCRIPTIONS, TECHNICAL DATA AND ILLUSTRATIONS ARE PURELY INDICATIVE AND ARE NOT BINDING. RIVACOLD RESERVES THE RIGHT TO MODIFY, IN WHOLE OR IN PART AND WITHOUT PRIOR NOTICE, THE SPECIFICATIONS DESCRIBED IN THIS DOCUMENTATION AND, IN THE INTERESTS OF PRODUCTION CONTINUITY, TO USE COMPONENTS FROM ALTERNATIVE BRANDS TO THOSE GIVEN IN THE DESIGN.

ALLGEMEINE MERKMALE

Das Produktsortiment TH besteht aus einem gesplitteten System für die gewerbliche Kühlung, das in Kühlzellen mittlerer und niedriger Temperaturen eingesetzt wird. Dieses Produktsortiment mit niedrigem Treibhauspotential (GWP <2500) wurde unter Einbeziehung der folgenden Faktoren entwickelt und konstruiert: Kompakte Größen, schnelle Inbetriebnahme, leichter Zugang, geringe Lärmemission und hohe Witterungsfestigkeit für eine sichere Außeninstallation auch in Wohnzentren.

- Ölsumpfheizung
- Kondensatorpaket aus Kupferrohr mit Aluminiumlamellen
- Flüssigkeitssammler
- Filtertrockner
- Schauglas
- Expansionsventil
- Inklusive Verpackung
- Tauwasserablauf nach Aussen
- Elektronische Steuerung
- Kühlzellenlicht mit Kabel 2,5m
- Türkontaktschalter mit Kabel 2,5m
- Türrahmenheizungsanschluss für Ausführungen LBP mit Kabel 2,5m
- Netzkabel (L=2,5m)
- Verbindungskabel Verdampfer / Verflüssigungssatz L = 10m
- Schaltschrank, lose mit 10m Anschlußkabel
- Die eingesetzten Lüftermotoren entsprechen der Richtlinie ErP (Verordnung EU 327/2011)
- Selbsttragendes Gehäuse aus verzinktem Blech mit Pulverbeschichtung (RAL 7035)
- Schallisolierung
- Muffler auf der Druckleitung des Verdichters
- Hochdruckpressostat fest eingestellt
- Niederdruckpressostat einstellbar
- Hermetischer Verdichter (Scroll oder Hubkolben) mit inter. Motorschutz
- Axiallüfter (230V/1/50Hz) mit niedriger Drehzahl (900 Upm)
- Klemmleiste im Gehäuse
- Geeigneter Verdampfer aus Cu-Alu-Lamellenwärmetauscher mit elektrischer Abtauheizung
- Splitgeräte gemäß der PED-Richtlinie

ZUBEHÖR

- Vorgefüllte Kältemittelleitungen in 2,5m /5m/10m (THU)
- Drehzahlregler für Kondensator-Lüfter
- Ölabscheider (mit Absperrventil, Filter und Schauglas)
- Montagebügel Verflüssigungseinheit (MS403/A)
- Spannungsmonitor
- Auf die Fernüberwachung und/oder Master und Slave vorbereitet
- Anderes Kältemittel
- Andere Spannung
- Schallisolierung 1 (Verflüssigungssatz): EC-Lüfter und Drehzahlregler (TH_U; TH_C)
- Schallisolierung 2 (Verflüssigungssatz): EC-Lüfter, Drehzahlregler und Schallisolierung PLUS (TH_U)
- Schallisolierung 2 (Verflüssigungssatz): Isolierkappe Verdichter, EC-Lüfter, Drehzahlregler (TH_C)
- Schallisolierung 3 (Verflüssigungssatz): Isolierkappe Verdichter, EC-Lüfter, Drehzahlregler und Schallisolierung PLUS (TH_C)

CARACTÉRISTIQUES GÉNÉRALES

La gamme TH se compose de systèmes split dédiés à la réfrigération commerciale pour des applications en chambre froide à moyenne et basse température. Cette gamme, validée pour les réfrigérants à faible PRP (<2500), a été conçue en tenant compte des facteurs suivants: compacité, rapidité de mise en œuvre, facilité d'accès, faible niveau sonore, et résistance élevée aux éléments atmosphériques pour une installation extérieure sécurisée, même en zone résidentielle.

- Résistance carter
- Condenseur en tube de cuivre et ailettes en aluminium
- Recevoir de liquide
- Filtre deshydrateur
- Témoin de liquide
- Détendeur thermostatique
- Emballage inclus
- Écoulement d'eau de condensation direct
- Central électronique de contrôle
- Lumière chambre avec câble 2,5m
- Détecteur de porte avec câble 2,5m
- Câble de résistance de porte pour les groupes LBP avec câble 2,5m
- Câble d'alimentation (L=2,5m)
- Câbles de connexion évaporateur / groupe de condensation L=10m
- Tableau de contrôle à distance (10m)
- Le moto-ventilateurs utilisés sont conforme à la directive ErP (Règlement EU 237/2011)
- Châssis autoportant en acier électroziné et verni avec des poudres époxy (RAL 7035)
- Isolation acoustique
- Silencieux sur le refoulement compresseur
- Pressostat de haute pression à calibrage fixe à réarmement automatique
- Pressostat de basse pression à calibrage réglable à réarmement automatique
- Compresseur hermétique (scroll ou piston*) avec protection intérieure du moteur
- Ventilateur axial à moteur (230V/1/50Hz) avec rotor extérieur (900 rpm)
- Branchements sur boîtier en attente
- Évaporateur, cuivre aluminium, dimensionné pour le groupe, avec dégivrage électrique
- Split systèmes t conformes à la directive PED

EN OPTION

- Tuyaux préchargés sur les longueurs suivantes :2,5m/5m/10m (THU)
- Variateur de vitesse ventilateur condenseur
- Séparateur d'huile
- Bride de montage groupe de condensation
- Moniteur de tension
- Prédiposition pour télégestion et/ou Master et Slave (OPT-N-BS)
- Fluide différent
- Tension différent
- Insonorisation 1 (unité de condensation) : (Motoventilateur électronique et variateur de vitesse inclus (TH_U;TH_C)
- Insonorisation 2 (unité de condensation) : Motoventilateur électronique, variateur de vitesse et insonorisation PLUS (TH_U)
- Insonorisation 2 (unité de condensation) : Housse compresseur, motoventilateur électronique, variateur de vitesse (TH_C)
- Insonorisation 3 (unité de condensation) : Housse compresseur, motoventilateur électronique, variateur de vitesse et carénage avec insonorisation PLUS (TH_C)

FÜR NÄHERE INFORMATIONEN KONTAKTIEREN SIE BITTE UNSERE TECHNISCHE ABTEILUNG. BESCHREIBUNGEN, TECHNISCHE DATEN UND ABBILDUNGEN DIENEN NUR ALS BEZUG UND SIND NICHT VERBINDLICH. RIVACOLD BEHÄLT SICH DAS RECHT VOR, DIE IN DIESEN UNTERLAGEN BESCHRIEBENEN SPEZIFIKATIONEN OHNE VORANKÜNDIGUNG GANZ ODER TEILWEISE ZU ÄNDERN UND, UM DIE PRODUKTIONSKONTINUITÄT ZU GEWÄHRLEISTEN, ALTERNATIVE MARKEN VON KOMPONENTEN, DIE FÜR DAS PROJEKT ERFORDERLICH SIND, ZU VERWENDEN.

POUR DE PLUS AMPLES INFORMATIONS, VEUILLEZ CONTACTER NOTRE SERVICE TECHNIQUE. LES DESCRIPTIONS, DONNÉES TECHNIQUES ET ILLUSTRATIONS SONT DONNÉES À TITRE INDICATIF ET SANS ENGAGEMENT. RIVACOLD SE RÉSERVE LE DROIT DE MODIFIER ENTIÈREMENT OU PARTIELLEMENT LES SPÉCIFICATIONS DÉCRITES DANS CETTE DOCUMENTATION SANS PRÉAVIS ET, DANS UN SOUCI DE CONTINUITÉ DE PRODUCTION, D'UTILISER DES MARQUES ALTERNATIVES DES COMPOSANTS PRÉVUS PAR LE PROJET.

CARACTERÍSTICAS GENERALES

La gama TH consiste en sistemas split destinados a la refrigeración comercial para aplicaciones en cámaras frigoríficas de media y baja temperatura. Esta gama, validada para refrigerantes de bajo GWP (<2500), ha sido desarrollada teniendo en cuenta los siguientes factores: dimensiones compactas, rápida instalación, fácil accesibilidad, bajo nivel de ruido y alta resistencia a los elementos atmosféricos para una instalación exterior segura incluso en zonas residenciales

- Resistencia cárter
- Condensador con tubos de cobre y aletas de aluminio
- Recipiente de líquido
- Filtro Deshidratador
- Mirilla del líquido
- Expansión válvula termostática
- Embalaje incluido
- Desagüe directo
- Centralita electrónica de control
- Luz interior cámara cable de 2,5 metros
- Interruptor puerta con cable de 2,5 metros
- Resistencia puerta en equipos LBP con cable de 2,5 metros
- Cable de alimentación (L=2,5m)
- Cables de conexión entre evaporador y unidad condensadora L=10mts
- Panel remoto de control (10m)
- Los motoventiladores utilizados son conformes a la directiva ErP (Reglamento EU 327/2011)
- Carrocería autoportante en acero galvanizado y pintado con polvo epoxi (RAL 7035)
- Aislamiento acústico
- Silenciador en la descarga del compresor
- Presostato de alta fijo con rearme automático
- Presostato de baja regulable con rearme automático
- Compresor hermético (scroll o alternativo) con protección interna del motor
- Motoventilador axial (230V/1/50Hz) con rotor externo
- Conexiones eléctricas en caja de derivación
- Evaporador de cobre y aluminio, oportunamente dimensionado, con desescarche eléctrico
- Sistema split conforme a la directiva PED

OPCIONALES

- Tubos de conexión pre-cargados con largos de 2,5m/5m/10m (THU)
- Variador de velocidad ventiladores condensador
- Separador de aceite (con llaves, filtro y visor)
- Soportes para montaje en pared de la condensadora
- Monitor de tensión
- Disposición para la telegestión y/o Master y Slave (OPT-N-BS)
- Gas diferente
- Voltaje diferente
- Insonorización 1 (unidad condensadora): motoventiladores electrónicos con variador de velocidad (TH_U; TH_C)
- Insonorización 2 (unidad condensadora): motoventiladores electrónicos con variador de velocidad e insonorización plus (TH_U)
- Insonorización 2 (unidad condensadora): funda compresor sound shell, motoventiladores electrónicos con variador de velocidad (TH_C)
- Insonorización 3 (unidad condensadora): funda compresor sound shell, motoventiladores electrónicos con variador de velocidad y carrozado con insonorización plus (TH_C)

VALORI RIFERITI A:

- **Gas aspirato:** +20°C
- **Sottoraffreddamento:** 0K
- **Surriscaldamento:** 100%
- **Assorbimento del compressore:**
 - Te -10°C (HBP/MBP); Tcond +50°C
 - Te -30°C (LBP); Tcond +50°C

VALUES REFERED TO:

- **Suction gas:** +20°C
- **Subcooling:** 0K
- **Superheat:** 100%
- **Compressor absorption:**
 - Te -10°C (HBP/MBP); Tcond +50°C
 - Te -30°C (LBP); Tcond +50°C

WERTE GEMÄSS:

- **Sauggastemperatur:** +20°C
- **Unterkühlung:** 0K
- **Überhitzung:** 100%
- **Aufnahme Verdichter:**
 - to -10°C (NK); tc +50°C
 - to -30°C (TK); tc +50°C

VALEURS DE RÉFÉRENCE:

- **Aspiration du gaz:** +20°C
- **Sous-refroidissement:** 0K
- **Surchauffe:** 100%
- **Absorption du compresseur:**
 - Te -10°C (HBP/MBP); Tcond +50°C
 - Te -30°C (LBP); Tcond +50°C

DATOS SEGÚN:

- **Gas aspiración:** +20°C
- **Subenfriamiento:** 0K
- **Recalentamiento útil:** 100%
- **Potencia absorbida compresor:**
 - Te -10°C (HBP/MBP); Tcond +50°C
 - Te -30°C (LBP); Tcond +50°C

PARA OBTENER MÁS INFORMACIÓN, PÓNGASE EN CONTACTO CON NUESTRO DEPARTAMENTO TÉCNICO. LAS DESCRIPCIONES, DATOS TÉCNICOS E ILUSTRACIONES SON INDICATIVAS Y NO VINCULANTES. RIVACOLD SE RESERVA EL DERECHO DE MODIFICAR TOTAL O PARCIALMENTE LAS ESPECIFICACIONES DESCRITAS EN ESTA DOCUMENTACIÓN SIN PREVIO AVISO Y, PARA LA CONTINUIDAD DE LA PRODUCCIÓN, DE UTILIZAR MARCAS ALTERNATIVAS DE LOS COMPONENTES PREVISTOS POR EL PROYECTO.

CONDIZIONI CALCOLO DEI VOLUMI
VOLUME CALCULATION CONDITIONS
BEDINGUNGEN FÜR VOLUMENBERECHNUNG
CONDITIONS DE CALCUL VOLUME
CONDICIONES CALCULO VOLUMEN

	MBP	LBP
SPESSORE ISOLAMENTO (mm) INSULATION THICKNESS ISOLIERUNGSTÄRKE ÉPAISSEUR D'ISOLATION ESPESOR DEL AISLANTE	100	
TEMPERATURA INGRESSO PRODOTTO (°C) PRODUCT ENTERING TEMPERATURE PRODUKTEINTRITTSTEMPERATUR TEMPERATURE ENTRÉE PRODUIT TEMPERATURA ENTRADA PRODUCTO	25	-7
ORE RAFFREDDAMENTO PRODOTTO (h) PRODUCT COOLING TIME LAUFZEIT PRO TAG DURÉE REFROIDISSEMENT PRODUIT DURACIÓN ENFRIAMIENTO PRODUCTO	18	
DENSITÀ DI CARICO (kg / m³) LOAD DENSITY BELEGUNGSDICHTE DENSITÉ DE CHARGE DENSIDAD DE LA CARGA	250	
MOVIMENTAZIONE GIORNALIERA (%) PRODUCT DAILY TURNOVER TÄGLICHER WARENUMSATZ MOUVEMENT JOURNALIER PRODUIT DESPLAZAMIENTO DIARIO	10	
CALORE SPECIFICO PRODOTTO (CARNE) (kJ / kg °C) PRODUCT SPECIFIC HEAT (MEAT) SPEZIFISCHE WÄRME DES PRODUKTS (FLEISCH) CHALEUR SPÉCIFIQUE AU PRODUIT (VIANDE) CALOR ESPECÍFICO DEL PRODUCTO (CARNE)	3.22	1.67

LEGENDA

E = Compressore ermetico
SC = Compressore scroll
Win = Watt totali assorbiti
Wd = Watt assorbiti dalle resistenze di sbrinamento
FLA = Ampere totali assorbiti
C = Espansione con tubo capillare
V = Espansione a valvola termostatica
A = Sbrinamento a ventilazione
R= sbrinamento elettrico
f = Freccia d'aria
Ta = Temperatura ambiente
Tc = Temperatura cella
W = Resa frigorifera in Watt

TABLE LEGEND

E = Hermetic compressor
SC = Scroll compressor
Win = Total Watt absorbed
Wd = Watt absorbed by defrosting heaters
FLA = Total Amperes absorbed
C = Expansion by capillary tube
V = Expansion by thermostatic valve
A = Defrosting by ventilation
R = Defrosting by heaters
f = Air throw
Ta = Ambient temperature
Tc = Cold room temperature
W = Watt refrigeration output

LEGENDE

E = Hermetischer Verdichter
SC = Scroll Verdichter
Win = Leistungsaufnahme Gesamt 'Watt'
Wd= Leistungsaufnahme Elektroabtauheizung 'Watt'
FLA = Stromaufnahme Gesamt 'Ampere'
C = Expansion mit Kapillarrohr
V = Expansion mit Expansionsventil
A = Luftabtauung
R = Elektrische Abtauung
f = Wurfweite Verdampfer
Ta = Raumtemperatur
Tc = Kühlzellentemperatur
W = Watt Kälteleistung

LEGENDE DES TABLEUX

E = Compresseur hermétique
SC = Compresseur scroll
Win = Watt absorbés
Wd = Watt absorbés par les résistances de dégivrage
FLA = Ampères absorbés
C = Expansion par tuyau capillaire
V = Expansion par vanne thermostatique
A = Dégivrage par ventilation
R= Dégivrage par résistance électrique
f = Projection d'air
Ta = Température ambiante
Tc = Température chambre froide
W = Rendement frigorifique en Watt

LEGENDA DE PROSPECTOS

E = Compresor hermético
SC = Compresor scroll
Win = Absorción total en Watt
Wd = absorción resistencias descarche
FLA = Absorción total en Amperios
C = Expansión por tubo capilar
V = Expansión por válvula termostática
A = Descarche por aire
R= Descarche eléctrico
f = Flecha aire
Ta = Temperatura ambiente
Tc = Temperatura cámara
W = Potencia frigorífica en Watt

DATI TECNICI MODELLI MBP (R452A) - MBP MODELS TECHNICAL DATA (R452A)



R452A	SUPPLY	COMPRESS.		PED	EXPANSION	ABSORPTION		CONDENSER FANS		NOISE	PIPE FITTINGS		EVAPORATOR				DEFROSTING	CU	EV	NET WEIGHT	EVAPORATOR DRAWINGS REF
		type	cm ³			Win [W]	In [A]	No.x Ø	m ³ /h		L [mm]	S [mm]	No.x Ø	m ³ /h	Wd	f(m)					
THUM135G0111RVC	230/1/50	E	8.85	1	V	637	3.12	1x350	1945	35	6	10	1x200	630	650	3	R	54	7	61	1
THUM135G1111RVC	230/1/50	E	10.33	1	V	718	3.56	1x350	1945	35	6	10	1x200	600	650	3	R	55	8	63	1
THUM135G2111RVC	230/1/50	E	12.01	1	V	868	4.33	1x350	1945	35	6	10	2x200	1230	1200	4	R	59	12	71	2
THUM135G0211RVC	230/1/50	E	15.2	1	V	936	4.38	1x350	1699	35	10	12	2x200	1230	1200	4	R	72	12	84	2
THUM135G0212RVC	400/3/50	E	15.2	1	V	937	2.82	1x350	1699	34.5	10	12	2x200	1230	1200	4	R	71	12	83	2
THUM135G1211RVC	230/1/50	E	18.3	1	V	1085	5.11	1x350	1699	35	10	16	2x200	1230	1200	4	R	74	12	86	2
THUM135G1212RVC	400/3/50	E	18.3	1	V	1109	3	1x350	1699	35	10	16	2x200	1230	1200	4	R	72	12	84	2
THUM140G0211RVC	230/1/50	E	24.2	1	V	1282	6.02	1x400	2797	34	10	16	2x200	1170	1200	4	R	87	14	101	2
THUM140G0212RVC	400/3/50	E	24.2	1	V	1290	3.39	1x400	2797	34	10	16	2x200	1170	1200	4	R	85	14	99	2
THUM140G1211RVC	230/1/50	E	25.95	1	V	1420	6.9	1x400	2797	34.5	10	16	2x250	1602	1350	8	R	91	19	110	3
THUM140G1212RVC	400/3/50	E	25.95	1	V	1479	4.18	1x400	2797	34.5	10	16	2x250	1602	1350	8	R	90	19	109	3
THUM140G0311RVC	230/1/50	E	34.5	1	V	1945	9.36	1x400	2610	35	10	16	3x250	2364	1950	8	R	90	27	117	4
THUM140G0312RVC	400/3/50	E	34.45	1	V	1881	5.31	1x400	2610	35	10	16	3x250	2364	1950	8	R	89	27	116	4
THUM140G2312RVC	400/3/50	E	43.5	1	V	2060	5.45	1x400	2610	38	10	16	3x250	2364	1950	8	R	97	27	124	4
THUM145G0212RVC	400/3/50	E	56.6	1	V	2482	6.26	1x450	4187	41	10	22	3x250	2167	1950	7	R	109	30	139	4
THUM145G0312RVC	400/3/50	E	74.2	1	V	3277	8.89	1x450	3942	43.5	10	22	4x250	2890	2700	7	R	115	40	155	5
THUM245G0212RVC	400/3/50	E	100.7	2	V	3827	8.42	2x450	7744	46.5	12	22	2x350	4287	2800	14	R	174	38	212	6
THUM245G1212RVC	400/3/50	E	112.5	2	V	4265	10.1	2x450	7744	47.5	12	28	2x350	3657	4200	14	R	152	50	202	6
THUM245G0312RVC	400/3/50	E	124.4	2	V	4877	11.53	2x450	7043	45.5	12	28	3x350	5990	5120	16	R	165	61	226	7

DATI TECNICI MODELLI LBP (R452A) - LBP MODELS TECHNICAL DATA (R452A)



R452A	SUPPLY	COMPRESS.		PED	EXPANSION	ABSORPTION		CONDENSER FANS		NOISE	PIPE FITTINGS		EVAPORATOR				DEFROSTING	CU	EV	NET WEIGHT	EVAPORATOR DRAWINGS REF
		type	cm ³			Win [W]	In [A]	No.x Ø	m ³ /h		L [mm]	S [mm]	No.x Ø	m ³ /h	Wd	f(m)					
THUL135G0111RVC	230/1/50	E	9.3	1	V	475	3.79	1x350	1945	34	10	12	1x200	630	650	3	R	58	7	65	1
THUL135G2111RVC	230/1/50	E	15.2	1	V	587	4.17	1x350	1945	34	10	12	1x200	630	650	3	R	67	7	74	1
THUL135G2112RVC	400/3/50	E	15.2	1	V	567	2.12	1x350	1945	34	10	12	1x200	630	650	3	R	66	7	73	1
THUL135G3111RVC	230/1/50	E	18.3	1	V	646	3.54	1x350	1945	34	10	12	1x200	630	650	3	R	67	7	74	1
THUL135G0211RVC	230/1/50	E	26.2	1	V	862	4.99	1x350	1699	34.5	10	12	1x200	600	650	3	R	70	8	78	1
THUL135G0212RVC	400/3/50	E	26.2	1	V	848	2.44	1x350	1699	34.5	10	12	1x200	600	650	3	R	72	8	80	1
THUL135G1211RVC	230/1/50	E	34.5	1	V	1187	6.51	1x350	1699	35	10	16	2x200	1230	1200	4	R	74	12	86	2
THUL135G1212RVC	400/3/50	E	34.5	1	V	1132	3.37	1x350	1699	35	10	16	2x200	1230	1200	4	R	75	12	87	2
THUL140G0212RVC	400/3/50	E	53.2	1	V	1538	4.33	1x400	2797	38	10	16	2x250	1602	1350	8	R	104	19	123	3
THUL140G1212RVC	400/3/50	E	74.2	1	V	1922	5.44	1x400	2797	41.5	10	16	3x250	2364	1950	8	R	96	27	123	4
THUL145G0212RVC	400/3/50	E	112.5	2	V	2429	7.12	1x450	4187	42	12	22	3x250	2167	1950	7	R	124	30	154	4
THUL145G4212RVC	400/3/50	E	124.4	2	V	2640	9.18	1x450	3820	42.5	12	22	4x250	2890	2700	7	R	135	40	175	5

TABELLA RESE MODELLI MBP (R452A) - MBP MODELS TECHNICAL DATA (R452A)



R452A CODE	Capacity Ta = 25°C						Capacity Ta = 32°C						Capacity Ta = 38°C						Capacity Ta = 43°C					
	Tc +5°C		Tc 0°C		Tc -5°C		Tc +5°C		Tc 0°C		Tc -5°C		Tc +5°C		Tc 0°C		Tc -5°C		Tc +5°C		Tc 0°C		Tc -5°C	
	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³
THUM135G0111RVC	1007	5	871	5	745	4	925	8	800	5	683	4	850	6	734	4	626	3	783	6	676	3	576	3
THUM135G1111RVC	1234	10	1075	7	927	6	1132	10	986	6	850	5	1038	9	904	6	779	5	953	7	831	5	716	4
THUM135G2111RVC	1461	14	1275	9	1101	7	1338	13	1169	8	1010	7	1225	11	1072	7	927	6	1126	9	987	6	853	5
THUM135G0211RVC	1748	18	1503	12	1279	9	1603	16	1377	10	1169	8	1470	14	1261	9	1070	7	1353	12	1160	8	982	6
THUM135G0212RVC	1769	18	1520	12	1292	9	1624	16	1394	10	1182	8	1492	14	1278	9	1082	7	1375	12	1177	8	994	6
THUM135G1211RVC	1983	21	1714	14	1464	11	1824	19	1576	12	1345	10	1678	17	1448	11	1235	9	1547	14	1334	9	1137	7
THUM135G1212RVC	1979	22	1713	14	1467	11	1823	19	1576	12	1349	10	1678	16	1450	11	1239	8	1549	14	1338	9	1141	7
THUM140G0211RVC	2708	33	2322	21	1965	17	2492	29	2132	18	1799	15	2296	25	1959	16	1649	13	2121	21	1806	14	1515	11
THUM140G0212RVC	2648	32	2270	20	1923	16	2433	28	2081	18	1756	14	2239	24	1909	15	1606	12	2068	21	1759	13	1473	10
THUM140G1211RVC	2907	36	2507	23	2140	19	2683	31	2311	20	1968	16	2478	27	2131	18	1811	14	2296	24	1971	15	1671	12
THUM140G1212RVC	2916	36	2510	23	2135	18	2691	31	2310	20	1958	16	2481	27	2125	18	1792	14	2294	24	1959	15	1646	12
THUM140G0311RVC	3883	52	3348	34	2852	27	3580	45	3082	30	2619	24	3297	39	2834	26	2402	20	3044	34	2612	22	2208	18
THUM140G0312RVC	3830	51	3310	33	2828	27	3534	45	3050	29	2600	23	3261	39	2810	25	2390	20	3019	34	2597	22	2202	17
THUM140G2312RVC	4267	58	3658	38	3090	30	3924	51	3351	33	2816	26	3606	44	3067	28	2561	22	3320	38	2812	24	2334	19
THUM145G0212RVC	5368	77	4625	52	3935	41	4946	67	4248	46	3597	36	4556	59	3901	40	3287	31	4209	51	3591	34	3012	26
THUM145G0312RVC	7087	108	6129	75	5234	59	6522	94	5628	66	4789	52	6002	82	5166	57	4380	45	5539	71	4755	50	4016	38
THUM245G0212RVC	8101	125	6969	91	5908	68	7403	109	6343	79	5348	59	6765	94	5771	67	4836	50	6202	81	5268	56	4388	42
THUM245G1212RVC	10369	169	8947	125	7611	97	9436	145	8124	107	6887	84	8592	121	7378	92	6230	71	7851	99	6723	78	5653	59
THUM245G0312RVC	12404	207	10720	154	9146	121	11372	180	9799	133	8326	104	10430	145	8960	115	7583	89	9598	115	8222	99	6930	76

TABELLA RESE MODELLI LBP (R452A) - LBP MODELS TECHNICAL DATA (R452A)



R452A CODE	Capacity Ta = 25°C						Capacity Ta = 32°C						Capacity Ta = 38°C						Capacity Ta = 43°C					
	Tc -15°C		Tc -20°C		Tc -25°C		Tc -15°C		Tc -20°C		Tc -25°C		Tc -15°C		Tc -20°C		Tc -25°C		Tc -15°C		Tc -20°C		Tc -25°C	
	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³
THUL135G0111RVC	559	3	462	2	375	2	512	3	421	2	340	2	469	2	384	2	308	1	-	-	-	-	-	-
THUL135G2111RVC	692	4	569	3	459	2	628	3	513	3	410	2	570	3	463	2	365	1	521	2	419	2	327	1
THUL135G2112RVC	702	4	579	3	469	2	632	3	517	3	413	2	573	3	464	2	367	1	524	3	421	2	329	1
THUL135G3111RVC	793	5	653	4	527	2	722	4	591	3	472	2	657	4	535	3	423	2	601	3	485	2	380	1
THUL135G0211RVC	1177	8	980	6	801	4	1084	7	898	6	729	4	999	6	824	5	663	3	924	5	758	4	606	3
THUL135G0212RVC	1154	8	960	6	784	4	1058	7	875	6	709	4	972	6	800	5	644	3	899	5	736	4	588	2
THUL135G1211RVC	1483	12	1236	10	1011	6	1365	11	1133	9	922	6	1257	9	1039	7	841	5	1163	8	958	6	771	4
THUL135G1212RVC	1481	12	1235	10	1010	6	1362	11	1131	9	921	6	1253	9	1037	7	840	5	1159	8	955	6	769	4
THUL140G0212RVC	2183	25	1814	20	1475	13	2006	22	1654	17	1330	11	1849	19	1511	14	1201	9	1713	16	1389	12	1091	8
THUL140G1212RVC	3005	40	2487	32	2013	21	2731	35	2244	27	1797	18	2496	29	2035	23	1614	15	2298	25	1861	19	1462	12
THUL145G0212RVC	3937	60	3231	48	2592	31	3578	52	2916	42	2316	26	3254	44	2633	34	2069	21	2971	37	2388	28	1855	18
THUL145G4212RVC	5173	89	4248	73	3415	46	4718	77	3849	63	3064	39	4305	66	3487	52	2750	32	3944	55	3175	42	2481	27

DATI TECNICI MODELLI MBP (R449A) - MBP MODELS TECHNICAL DATA (R449A)



R449A	SUPPLY	COMPRESS.		PED	EXPANSION	ABSORPTION		CONDENSER FANS		NOISE	PIPE FITTINGS		EVAPORATOR				DEFROSTING	CU	EV	NET WEIGHT	EVAPORATOR DRAWINGS REF
		type	cm ³			Win [W]	In [A]	No.x Ø	m ³ /h		L [mm]	S [mm]	No.x Ø	m ³ /h	Wd	f(m)					
THCM140R0312RVC	400/3/50	SC	5.92	1	V	2302	5.56	1x400	2610	35	10	16	3x250	2364	1950	8	R	89	27	116	4
THCM145R1212RVC	400/3/50	SC	6.83	1	V	2585	6.2	1x450	4187	35.5	10	22	3x250	2167	1950	7	R	105	30	135	4
THCM145R0212RVC	400/3/50	SC	8.61	1	V	3037	7.27	1x450	4187	36.5	10	22	3x250	2167	1950	7	R	105	30	135	4
THCM145R0312RVC	400/3/50	SC	9.95	1	V	3544	8.36	1x450	3942	37.5	10	22	4x250	2890	2700	7	R	109	40	149	5
THCM145R0452RVC	400/3/50	SC	11.40	1	V	3909	9.88	1x450	3731	36.5	12	22	2x350	4287	2800	14	R	148	38	186	6
THCM245R0252RVC	400/3/50	SC	11.40	1	V	4064	10.68	2x450	7744	38.5	12	22	2x350	4287	2800	14	R	166	38	204	6
THCM245R1212RVC	400/3/50	SC	14.40	1	V	5004	10.8	2x450	7744	39.5	12	22	2x350	3656	4200	14	R	145	50	195	6
THCM245R0312RVC	400/3/50	SC	17.10	1	V	5710	13.33	2x450	7043	39.5	12	22	3x350	5990	5120	16	R	150	61	211	7
THCM245R4452RVC	400/3/50	SC	18.80	1	V	6636	15.63	2x450	6482	40	16	28	4x350	7987	6700	21	R	161	82	243	8
THCM245R5452RVC	400/3/50	SC	18.80	1	V	6816	16.23	2x450	8925	56.1	16	28	4x350	7987	6700	21	R	161	82	243	8

DATI TECNICI MODELLI LBP (R449A) - LBP MODELS TECHNICAL DATA (R449A)



R449A	SUPPLY	COMPRESS.		PED	EXPANSION	ABSORPTION		CONDENSER FANS		NOISE	PIPE FITTINGS		EVAPORATOR				DEFROSTING	CU	EV	NET WEIGHT	EVAPORATOR DRAWINGS REF
		type	cm ³			Win [W]	In [A]	No.x Ø	m ³ /h		L [mm]	S [mm]	No.x Ø	m ³ /h	Wd	f(m)					
THCL140R2212RVC	400/3/50	SC	5.92	1	V	2158	5.14	1x400	2797	35.5	10	16	2x250	1445	1350	7	R	92	21	113	3
THCL140R3212RVC	400/3/50	SC	7.31	1	V	2257	5.83	1x400	2797	36.5	10	16	3x250	2364	1950	8	R	94	27	121	4
THCL140R0212RVC	400/3/50	SC	8.03	1	V	2265	6.32	1x400	2797	38.5	10	22	3x250	2364	1950	8	R	94	27	121	4
THCL140R0312RVC	400/3/50	SC	9.94	1	V	2929	7.37	1x400	2610	39	10	22	3x250	2167	1950	7	R	98	30	128	4
THCL145R0212RVC	400/3/50	SC	11.80	1	V	3234	8.33	1x450	4187	41	12	22	4x250	2890	2700	7	R	118	40	158	5
THCL145R1212RVC	400/3/50	SC	14.40	1	V	4496	9.98	1x450	4187	41	12	22	4x250	2890	2700	7	R	119	40	159	5
THCL145R0312RVC	400/3/50	SC	17.10	1	V	5468	10.23	1x450	3942	42.5	12	22	2x350	4503	2800	14	R	148	37	185	6
THCL245R0252RVC	400/3/50	SC	21.40	1	V	5574	14.79	2x450	7744	45.6	12	28	2x350	4162	4200	14	R	203	48	251	6
THCL245R0352RVC	400/3/50	SC	29.10	1	V	7403	18.13	2x450	7043	44	12	35	3x350	6497	5120	16	R	199	59	258	7

TABELLA RESE MODELLI MBP (R449A) - MBP MODELS TECHNICAL DATA (R449A)



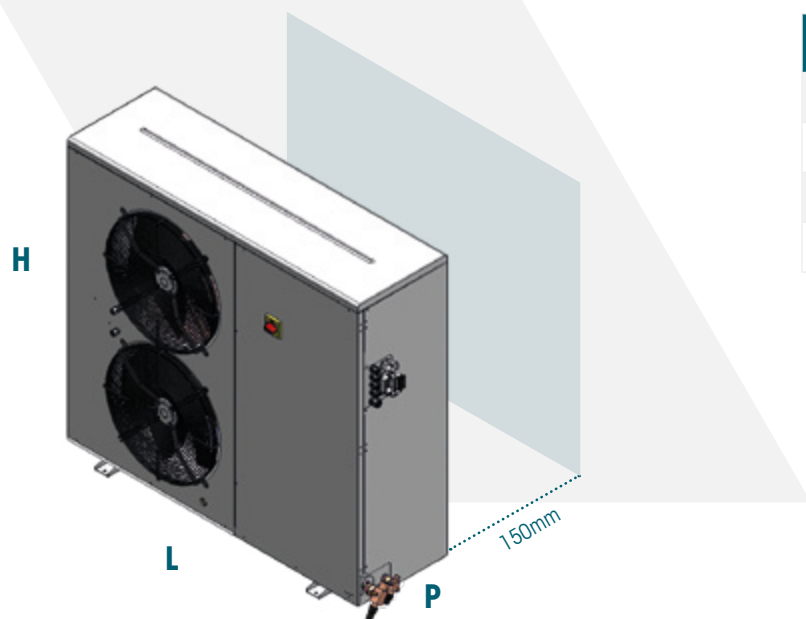
R449A CODE	Capacity Ta = 25°C						Capacity Ta = 32°C						Capacity Ta = 38°C						Capacity Ta = 43°C					
	Tc +5°C		Tc 0°C		Tc -5°C		Tc +5°C		Tc 0°C		Tc -5°C		Tc +5°C		Tc 0°C		Tc -5°C		Tc +5°C		Tc 0°C		Tc -5°C	
	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³
THCM140R0312RVC	4387	60	3801	40	3259	32	4097	53	3542	35	3029	28	3815	47	3290	31	2805	25	3554	41	3057	27	2597	22
THCM145R1212RVC	5197	74	4500	49	3861	40	4919	67	4255	45	3647	36	4659	60	4026	40	3445	32	4423	54	3817	36	3262	29
THCM145R0212RVC	6026	88	5238	60	4511	48	5695	79	4950	55	4262	44	5375	71	4672	50	4022	38	5081	64	4416	44	3801	33
THCM145R0312RVC	7555	116	6558	83	5641	67	7135	104	6189	75	5316	61	6740	93	5840	68	5011	55	6383	84	5525	61	4735	49
THCM145R0452RVC	7867	121	6881	89	5964	70	7474	110	6532	82	5655	65	7106	99	6206	74	5369	59	6774	90	5911	67	5110	54
THCM245R0252RVC	7834	121	6855	90	5943	77	7437	109	6502	83	5632	70	7065	99	6173	74	5342	62	6729	89	5876	66	5082	55
THCM245R1212RVC	11129	183	9728	139	8420	111	10428	163	9095	122	7848	98	9801	146	8530	109	7340	87	-	-	8055	97	6916	77
THCM245R0312RVC	13376	226	11679	170	10099	135	12535	201	10920	150	9413	119	11781	180	10241	134	8802	105	11142	163	9669	121	8291	94
THCM245R4452RVC	15979	276	13938	206	12041	163	14964	245	13021	182	11214	142	14052	217	12201	160	10476	124	13279	193	11508	142	9856	109
THCM245R5452RVC	16348	284	14234	211	12279	166	15356	252	13338	187	11468	146	14456	223	12526	165	10737	127	13686	198	11835	146	10118	111

TABELLA RESE MODELLI LBP (R449A) - LBP MODELS TECHNICAL DATA (R449A)



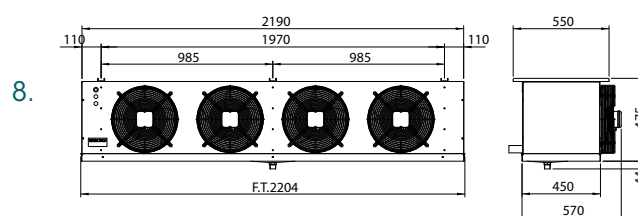
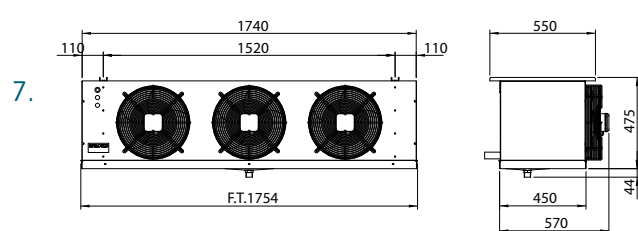
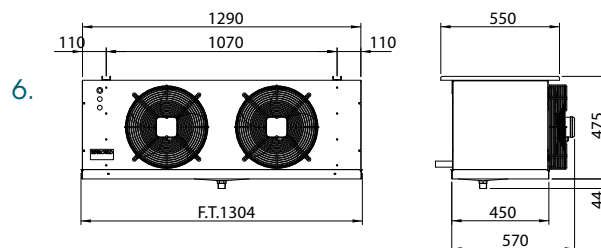
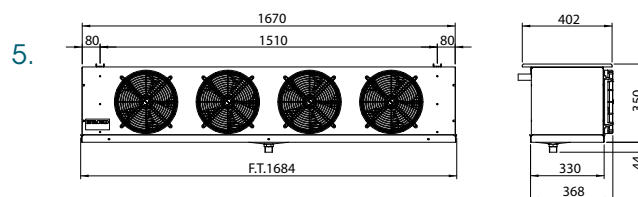
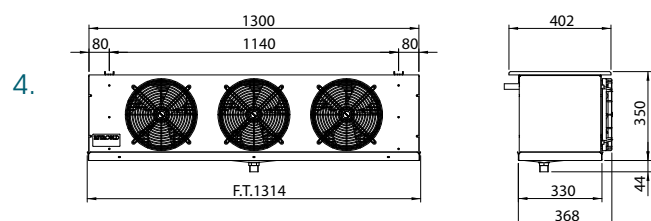
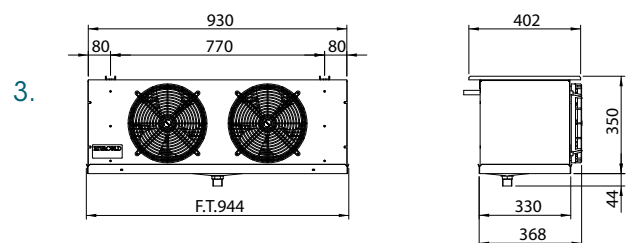
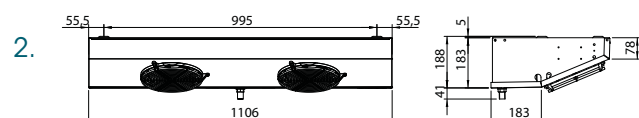
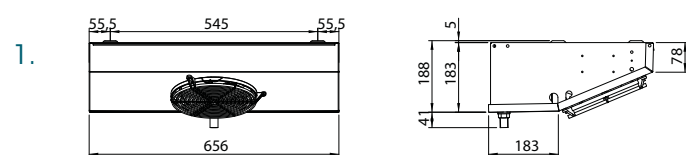
R449A CODE	Capacity Ta = 25°C						Capacity Ta = 32°C						Capacity Ta = 38°C						Capacity Ta = 43°C					
	Tc -15°C		Tc -20°C		Tc -25°C		Tc -15°C		Tc -20°C		Tc -25°C		Tc -15°C		Tc -20°C		Tc -25°C		Tc -15°C		Tc -20°C		Tc -25°C	
	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³
THCL140R2212RVC	2278	24	1925	19	1607	13	2148	22	1814	18	1513	12	2015	20	1700	16	1416	11	1886	17	1589	14	1322	10
THCL140R3212RVC	2678	32	2257	26	1880	18	2529	30	2133	24	1779	17	2393	27	2020	22	1687	15	2273	24	1920	20	1604	14
THCL140R0212RVC	2922	37	2477	30	2075	21	2778	35	2359	28	1979	20	2640	32	2243	26	1884	18	-	-	2134	23	1794	16
THCL140R0312RVC	3593	52	3050	42	2559	29	3421	47	2905	39	2438	27	3253	44	2762	35	2316	25	-	-	2629	32	2202	22
THCL145R0212RVC	4544	73	3845	58	3214	41	4301	67	3639	57	3043	38	4060	62	3436	51	2872	34	-	-	3243	45	2710	30
THCL145R1212RVC	5258	91	4473	79	3754	52	4923	83	4196	72	3527	48	4589	74	3922	64	3304	43	-	-	-	-	-	-
THCL145R0312RVC	5437	96	4670	82	3953	55	5124	86	4389	75	3698	49	4790	76	4086	65	3419	44	-	-	-	-	-	-
THCL245R0252RVC	7710	158	6583	138	5552	92	7273	145	6214	126	5242	86	6845	130	5855	112	4942	80	-	-	-	-	-	-
THCL245R0352RVC	9922	221	8479	194	7144	129	9343	201	7988	176	6729	121	8774	178	7510	154	6329	114	-	-	-	-	-	-

INGOMBRI UNITÀ CONDENSATRICE
CONDENSING UNIT DIMENSIONS



REF	L [mm]	P [mm]	H [mm]
TH_135	802	450	581
TH_140	1032	450	751
TH_145	1182	450	901
TH_245	1302	450	1201

INGOMBRI EVAPORATORI - UNIT COOLER DIMENSIONS



OPTIONAL: KIT TUBAZIONI PRECARICATE / PRE-CHARGED PIPE CONNECTIONS / VORGEFÜLLTE KALTEMITTELEITUNGEN / TUYAUX PRÉCHARGÉS / TUBOS DE CONEXIÓN PRE-CARGADOS

REF	REF	REFRIGERANT	LIQUID LINE Ø [mm]	SUCTION LINE Ø [mm]	PIPE CONNECTIONS [L=2m] model	PIPE CONNECTIONS [L=5m] model	PIPE CONNECTIONS [L=10m] model
THCM140R0312RVC	-	R449A	10	16	KIT21016/R	KIT51016/R	KIT101016/R
THUM135G0111RVC	THUL135G0111RVC	R452A	10	12	KIT21012/G	KIT51012/G	KIT101012/G
THUM135G1111RVC	THUL135G2111RVC						
THUM135G2111RVC	THUL135G2112RVC						
THUM135G0211RVC	THUL135G3111RVC						
THUM135G0212RVC	THUL135Z0211RVC						
-	THUL135Z0212RVC	R452A	10	16	KIT21012/G	KIT51016/G	KIT101016/G
THUM135G1211RVC	THUL135Z1211RVC						
THUM135G1212RVC	THUL135Z1212RVC						
THUM140G0211RVC	THUL140Z0212RVC						
THUM140G0212RVC	THUL140Z1212RVC						
THUM140G1211RVC	-						
THUM140G1212RVC	-						
THUM140G0311RVC	-						
THUM140G0312RVC	-						
THUM140G2312RVC	-						

DATI DI RUMOROSITÀ THU - NOISE LEVELS DATA THU



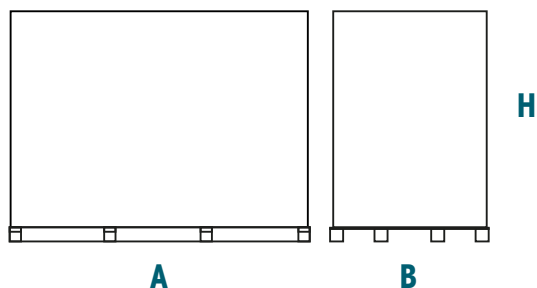
CONDENSING UNITS	STANDARD	OPTIONAL			
	MAX RPM dbA (10m)	STEP 1 _ HOUSING INSULATION AND EC FAN- MOTORS		STEP2_EC FAN-MOTORS AND INSULATION PLUS	
		MAX RPM dbA (10m)	24h average dbA (10m)	MAX RPM dbA (10m)	24h average dbA (10m)
THUM135G0111	35	30.5	27.5	-	-
THUM135G1111	35	30.5	27.5	-	-
THUM135G2111	35	30.5	27.5	-	-
THUM135G0211	35	30.5	27.5	-	-
THUM135G0212	34.5	29	25	-	-
THUM135G1211	35	30.5	27.5	-	-
THUM135G1212	35	31	28.5	-	-
THUM140G0211	34	33.5	29	32.5	27.5
THUM140G0212	34	33	28	32.5	27
THUM140G1211	34.5	34	30	33	28
THUM140G1212	34.5	34	30	33	28
THUM140G0311	35	34.5	31	33	28.5
THUM140G0312	35	34.5	31	33	28.5
THUM140G2312	38	37.5	35	35	32
THUM145G0212	41	40.5	39	37.5	35
THUM145G0312	43.5	43.5	42	40	38
THUM245G0212	46.5	46.5	45	43	41
THUM245G1212	47.5	47.5	46	43.5	42
THUM245G0312	45.5	45.5	44	42	40
THUL135G0111	34	27.5	22	-	-
THUL135G2111	34	27.5	21.5	-	-
THUL135G2112	34	27.5	21.5	-	-
THUL135G3111	34	28	23	-	-
THUL135G0211	34.5	29.5	26	-	-
THUL135G0212	34.5	29.5	26	-	-
THUL135G1211	35	30	27	-	-
THUL135G1212	35	30	27	-	-
THUL140G0212	38	37.5	35	35	32
THUL140G1212	41.5	41.5	40	38	36
THUL145G0212	42	41.5	40	38	36
THUL145G4212	42.5	42.5	41	39	37

DATI DI RUMOROSITÀ THC - NOISE LEVELS DATA THC

CONDENSING UNITS	STANDARD	OPTIONAL					
		STEP 1 _ EC FAN- MOTORS		STEP 2 _ EC FAN-MOTORS AND COMPRESSOR SOUND SHELL		STEP3 _EC FAN-MOTORS COMPRESSOR SOUND SHELL AND INSULATION PLUS	
	MAX RPM	MAX RPM	24h average	MAX RPM	24h average	MAX RPM	24h average
	dbA (10m)	dbA (10m)	dbA (10m)	dbA (10m)	dbA (10m)	dbA (10m)	dbA (10m)
THCM140R0312	35	34	30.5	32.5	26.5	-	-
THCM145R1212	35.5	34	30.5	32.5	26.5	-	-
THCM145R0212	36.5	35.5	32.6	32.5	27	-	-
THCM145R0312	37.5	37	34.4	33	27.9	-	-
THCM145R0452	36.5	35.5	33	32.5	28.4	32.2	27.9
THCM245R0252	38.5	37.1	34	35.3	31	35.1	30.7
THCM245R1212	39.5	38.5	35.6	35.5	30	35	29
THCM245R0312	39.5	38.5	35.6	35.5	30	35	29
THCM245R4452	40	39.1	36.7	35.6	31.7	35.3	31
THCM245R5452	56.1	44.8	40.8	44.1	39.4	44	39.3
THCL140R2212	35.5	35	31.8	32.5	26.8	-	-
THCL140R3212	36.5	36	33.4	32.5	27.3	-	-
THCL140R0212	38.5	38	36	33	28.5	-	-
THCL140R0312	39	39	37	33.5	29.2	-	-
THCL145R0212	41	40.5	38.9	34	30.5	-	-
THCL145R1212	41	40.5	38.9	34	30.5	-	-
THCL145R0312	42.5	42.5	40.9	35	31.8	-	-
THCL245R0252	45.6	45.4	43.7	38	35.3	36.5	33
THCL245R0352	44	43.6	41.8	37.1	34	36	32.2

 IMBALLI UNITÀ CONDENSATRICE
 CONDENSING UNITS PACKAGES

PACKAGE	A	B	H	WEIGHT
REF	[mm]	[mm]	[mm]	[kg]
TH_135	980	560	761	16
TH_140	1215	570	920	21
TH_145	1365	570	1070	23
TH_245	1480	570	1370	28

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

 IMBALLI EVAPORATORI
 EVAPORATORS PACKAGES

PACKAGE	A	B	H	WEIGHT
REF	[mm]	[mm]	[mm]	[kg]
1	911	460	270	2.2
2	1310	460	280	3.1
3	1030	430	400	3
4	1400	430	400	3.5
5	1770	430	400	4
6	1350	715	600	12
7	1800	715	600	18
8	2250	715	600	18

 SCATOLA DI CARTONE
 CARDBOARD BOX
