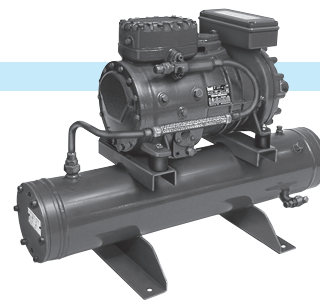


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Unità condensatrici ad acqua water cooled condensing units Groupes de condensation à eau Wassergekühlte Verflüssigungssätze



Dotazione standard

Le unità condensatrici sono essenzialmente composte da compressore semiermetico, condensatore ad acqua con attacco per valvola di sicurezza, rubinetti, basamento, e, a seconda del modello, antivibrante sulla linea di compressione.

Accessori

A richiesta, le unità condensatrici serie **SH** possono essere fornite complete di resistenza per il riscaldamento dell'olio nel carter del compressore, dispositivo per il controllo della capacità, dispositivo per la partenza a vuoto.

Capacità frigorifere

Le condizioni di calcolo delle prestazioni delle unità FRASCOLD sono illustrate a pagina 4 e pagina 5 "Capacità frigorifere".

Per tutti gli utilizzatori di prodotti FRASCOLD, è disponibile un software, su CD-ROM, che consente di prendere visione di tutti i dati illustrati nel presente catalogo e di selezionare il prodotto più adatto in base alle specifiche esigenze del progetto.

Compressori

Le unità condensatrici serie **SH** sono dotate di compressore di tipo semiermetico raffreddato dal gas aspirato, completo di rubinetti, attacchi di servizio, spia di livello olio, filtro di aspirazione, carica di olio, supporti antivibranti in gomma e teste con attacchi per raffreddamento ad acqua. Per maggiori dettagli tecnici, consultare il catalogo FCAT01 "Compressori semiermetici".

Condensatori ad acqua

I condensatori ad acqua che equipaggiano le unità condensatrici serie **SH** sono ad alta efficienza, abbondantemente dimensionati.

Sono costruiti con mantello e piastre tubiere in acciaio al carbonio, tubi in rame con alettatura integrale.

Gli attacchi lato acqua consentono il collegamento per alimentazione sia con acqua di pozzo che con acqua di torre evaporativa.

Standard equipment

Condensing units are essentially composed of semi-hermetic compressor, water cooled condenser with safety valve connection, service valves, base frame and depending by the model vibration absorber installed on discharge line.

Accessories

On request, **SH** condensing units can be supplied with crankcase oil heater, capacity control device, unloaded start device.

Refrigerating capacities

Units performances are calculated at the operative conditions quoted at page 4 and page 5 "Refrigerating capacity".

Electronic catalog is available, a software on CD-ROM that features all the data introduced in this catalogue and allows to select the correct product according to the specific operating conditions. Available free of charge to all users of FRASCOLD products.

Compressors

SH condensing units are equipped with semi-hermetic compressor cooled by suction refrigerant, complete with valves, pressure connections, oil sight glass, suction filter, oil charge, rubber vibration absorbers and water cooled heads.

For further technical details, see the catalogue FCAT01 "Semi-hermetic reciprocating compressors".

Water cooled condensers

Water cooled condenser of **SH** units is of high efficiency design with generous dimensions.

Shell and tube sheet are made of carbon steel, tubes in copper with integrally finned thick wall.

Water side connections allow supply both with mains water and cooling tower water.

Dotation standard

Les groupes de condensation se composent de compresseur semi-hermétique, condenseur à eau avec connexion pour soupape de sûreté, robinets d'isolement, châssis et éliminateur de vibrations au refoulement.

Accessoires

Les groupes de condensation **SH** peuvent être fournis d'une résistance de carter pour le chauffage de l'huile, d'un contrôle de capacité et d'un démarrage à vide.

Puissance frigorifique

Les conditions calcul des données des groupes FRASCOLD son illustrées à la page 4 et à la page 5 "Puissance frigorifique".

Pour tous les utilisateurs des produits FRASCOLD, sont disponibles un catalogue électronique; un software sur CD-ROM permettant de connaître toutes les données illustrées dans le catalogue et de sélectionner le produit le plus approprié selon les exigences particulières du projet.

Compresseurs

Semi-hermétiques, refroidis par les gaz aspirés, ils sont équipés de robinets, prises de pression, voyants de niveau d'huile, filtre aspiration, charge d'huile, supports anti-vibrations en caoutchouc et coulisses avec connexions pour refroidissement à eau. Pour plus de détails, voir le catalogue FCAT01 "Compresseurs semi-hermétiques".

Condenseurs à eau

D'une grande efficacité, largement dimensionnés, ils sont construits avec virole et plaque tubulaires en acier au carbone, tubes en cuivre à ailettes intégrales.

Les raccords coté eau permettent le branchement pour alimentation avec de l'eau de ville et aussi le branchement pour alimentation avec de l'eau de tour de refroidissement.

Lieferumfang

Die Verflüssigungssätze beinhalten halbhermetische Verdichter, wassergekühlte Verflüssiger, Grundrahmen und bei bestimmten Typen druckseitig Schwingungsdämpfer.

Zubehör

Als Zubehör ist erhältlich: Kurbelwellenheizung, Ölabscheider, Flüssigkeitsabscheider, HD/ND-Schalter, sowie Flüssigkeitseinspritzung. Bei bestimmten Typen ist weiterhin eine Anlaufentlastung sowie Leistungsregelung lieferbar.

Kälteleistungsangaben

Die Angaben der Leistung der FRASCOLD Verflüssigungssätze sind von Seite 4 bis Seite 5 "Kälteleistungsdaten" illustriert.

Für die Benutzer von FRASCOLD Produkten steht der Elektronische Katalog zur Verfügung; eine Software auf CD-ROM mit allen Katalogdaten, die Auswahl des richtigen Produktes nach den jeweiligen Betriebsbedingungen gestattet.

Verdichter

Halbhermetisch, sauggasgekühlt komplett mit Ventilen, Anschlüsse für Hoch- und Niederdruck, Ölschauglas, Saugfilter, Ölfüllung, Schwingungsdämpfern und Wassergekühlten Zylinderköpfen.

Weitere Einzelheiten siehe Katalog FCAT01 "Halbhermetische Verdichter".

Verflüssiger

Großzügig dimensionierter Hochleistungsverflüssiger aus Kohlenstoffstahl. Kupferrohre außen berippt. Wasserseitige Anschlüsse für Brauch.- oder Kühlturm-Wasser.

Dati tecnici
Technical data
Données techniques
Technische Daten

| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Modello del compressore Compressor model Compresseur Verdichter | Carica massima di refrigerante Maximum refrigerant charge Charge maximum de réfrigérant Maximale Kältemittelfüllung | | | | Disegno Drawing Plan Zeichnung | |
|--|--|--|-------------|-----------|-------------|---|---|
| | | ❶ | | | | | ❷ |
| | | R404A/R507A kg | R407C kg | R22 kg | R134a kg | | |
| SH 0.7 5 A - Y | A 0.7 5 - Y | 8.6 | 9.5 | 10.0 | 10.1 | 1 | |
| SH 1 6 A - Y | A 1 6 - Y | 8.3 | 9.2 | 9.6 | 9.8 | 1 | |
| SH 1.5 7 A - Y | A 1.5 7 - Y | 8.3 | 9.2 | 9.6 | 9.8 | 1 | |
| SH 1.5 9 B - Y | B 1.5 9 - Y | 8.3 | 9.2 | 9.6 | 9.8 | 1 | |
| SH 2 11 D - Y | D 2 11 - Y | 8.3 | 9.2 | 9.6 | 9.8 | 1 | |
| SH 2 13 D - Y | D 2 13 - Y | 8.3 | 9.2 | 9.6 | 9.8 | 1 | |
| SH 3 13 D - Y | D 3 13 - Y | 14.8 | 16.3 | 17.2 | 17.4 | 1 | |
| SH 4 16 D - Y | D 4 16 - Y | 14.8 | 16.3 | 17.2 | 17.4 | 1 | |
| SH 3 18 D - Y | D 3 18 - Y | 14.8 | 16.3 | 17.2 | 17.4 | 1 | |
| SH 5 19 F - Y | F 5 19 - Y | 14.8 | 16.3 | 17.2 | 17.4 | 2 | |
| SH 4 24 F - Y | F 4 24 - Y | 14.8 | 16.3 | 17.2 | 17.4 | 2 | |
| SH 5 25 Q - Y | Q 5 25 - Y | 14.8 | 16.3 | 17.2 | 17.4 | 3 | |
| SH 7 28 Q - Y | Q 7 28 - Y | 14.0 | 15.4 | 16.3 | 16.5 | 3 | |
| SH 5 33 Q - Y | Q 5 33 - Y | 14.0 | 15.4 | 16.3 | 16.5 | 3 | |
| SH 7 33 Q - Y | Q 7 33 - Y | 14.0 | 15.4 | 16.3 | 16.5 | 3 | |
| SH 7 39 S - Y | S 7 39 - Y | 14.0 | 15.4 | 16.3 | 16.5 | 4 | |
| SH 10 39 S - Y | S 10 39 - Y | 15.4 | 17.0 | 18.0 | 18.2 | 4 | |
| SH 10 51 S - Y | S 10 51 - Y | 15.4 | 17.0 | 18.0 | 18.2 | 4 | |
| SH 15 51 S - Y | S 15 51 - Y | 15.4 | 17.0 | 18.0 | 18.2 | 4 | |
| SH 20 56 S - Y | S 20 56 - Y | 15.4 | 17.0 | 18.0 | 18.2 | 4 | |
| SH 15 71 V - Y | V 15 71 - Y | 15.4 | 17.0 | 18.0 | 18.2 | 5 | |
| SH 20 84 V - Y | V 20 84 - Y | 19.8 | 21.8 | 23.1 | 23.4 | 5 | |
| SH 30 84 V - Y | V 30 84 - Y | 19.8 | 21.8 | 23.1 | 23.4 | 5 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

❶ condensatore riempito al 80% con refrigerante liquido a +32°C
condenser filled to 80% with liquid refrigerant at +32°C
à +32°C température de liquide et 80% contenance du condenseur
bei +32°C Flüssigkeitstemperatur und 80% Behälterinhalt

❷ disegni da pagina 10 a 12
drawings from page 10 to 12
plans de page 10 à 12
Zeichnungen von Seite 10 bis 12

Capacità frigorifere

Le capacità frigorifere, riportate nelle tabelle da pagina 6 a pagina 9, sono state calcolate alle seguenti condizioni:

- sottoraffreddamento del liquido 5 K
- temperatura di condensazione come indicato
- **temperatura del gas aspirato 20°C**

R407C - Le temperature di evaporazione e di condensazione considerate sono relative al vapore saturo, in conformità con la norma EN12900.

Refrigerating capacity

Refrigerating capacities shown in page 6 up to page 9 are based on the following conditions:

- liquid subcooling 5 K
- condensing temperature as shown
- **suction gas temperature 20°C**

R407C - Evaporating and condensing temperatures are based on dew temperature, according to EN12900 standard.

Puissances frigorifiques

Les puissances frigorifiques, reportées sur les tableaux de la page 6 à la page 9, ont été calculées selon les conditions suivantes:

- sous-refroidissement du liquide 5 K
- température de condensation indiquée
- **température du gaz aspiré 20°C**

R407C - les températures d'évaporation et de condensation se réfèrent au point de rosée, in conformité avec la norme EN12900.

Kälteleistungsdaten

Die auf den Seiten 6 bis 9 gezeigten Kälteleistungen basieren auf den folgenden Bedingungen:

- Flüssigkeitsunterkühlung 5 K
- Verflüssigungstemperatur wie gezeigt
- **Sauggastemperatur 20°C**

R407C - Verdampfungs- und Verflüssigungstemperaturen beziehen sich auf Taupunkt-Werte, erfüllen die Forderung EN12900.

Collegamenti lato acqua

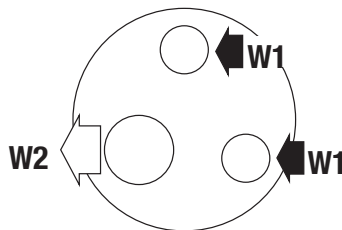
Water side connections

Raccord côté eau

Anschlüsse wasserseitig

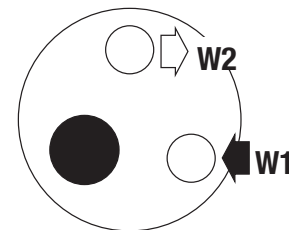
CW

Collegamento per alimentazione con acqua di torre evaporativa
Connection for cooling tower water supply
Connection pour prise d'eau de tour de refroidissement
Verbindung zur Versorgung mit Kühlturmwasser



MW

Collegamento per alimentazione con acqua di pozzo
Connection for mains water supply
Connection pour prise d'eau de ville
Verbindung zur Versorgung mit Stadtwasser



| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Collegamento Connection Connection Verbindung | | Collegamento Connection Connection Verbindung | |
|--|--|--|--|--|
| | CW | | MW | |
| | ingresso inlet entrée Eintritt | uscita outlet sortie Austritt | ingresso inlet entrée Eintritt | uscita outlet sortie Austritt |
| | W1 "FPT" | W2 "FPT" | W1 "FPT" | W2 "FPT" |

| | | | | |
|-----------------------|----------|--------|------|------|
| SH 0.7 5 A - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 1 6 A - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 1.5 7 A - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 1.5 9 B - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 2 11 D - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 2 13 D - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 3 13 D - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 4 16 D - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 3 18 D - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 5 19 F - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 4 24 F - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 5 25 Q - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |

| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Collegamento Connection Connection Verbindung | | Collegamento Connection Connection Verbindung | |
|--|--|--|--|--|
| | CW | | MW | |
| | ingresso inlet entrée Eintritt | uscita outlet sortie Austritt | ingresso inlet entrée Eintritt | uscita outlet sortie Austritt |
| | W1 "FPT" | W2 "FPT" | W1 "FPT" | W2 "FPT" |

| | | | | |
|-----------------------|----------|--------|------|------|
| SH 7 28 Q - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 5 33 Q - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 7 33 Q - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 7 39 S - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 10 39 S - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 10 51 S - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 15 51 S - Y | 2 x 1" | 1.1/2" | 1" | 1" |
| SH 20 56 S - Y | 2 x 1" | 1.1/2" | 1" | 1" |
| SH 15 71 V - Y | 2 x 1" | 1.1/2" | 1" | 1" |
| SH 20 84 V - Y | 2 x 1" | 1.1/2" | 1" | 1" |
| SH 30 84 V - Y | 2 x 1" | 1.1/2" | 1" | 1" |

Capacità frigorifere

Refrigerating capacity

Puissances frigorifiques

Kälteleistungsdaten

| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Condensazione Condensing Condensation Verflüssigungs- temperatur °C | R404A - R507A | | | | | | | | | | | |
|--|--|--------------------------------|-------|-------|----------------------------|-------|-------|------------------------------|-------|-------|---------------------------|------|-----|
| | | Capacità frigorifere W | | | Refrigerating capacity W | | | Puissances frigorifiques W | | | Kälteleistungsdaten W | | |
| | | Temperatura di evaporazione °C | | | Evaporating temperature °C | | | Température d'évaporation °C | | | Verdampfungstemperatur °C | | |
| | | 7.5 | 5 | 0 | -5 | -10 | -15 | -20 | -25 | -30 | -35 | -40 | -45 |
| SH 0.7 5 A - Y | 40 | 5030 | 4200 | 3470 | 2850 | 2310 | 1840 | 1440 | 1100 | 800 | 560 | 340 | |
| SH 1 6 A - Y | 40 | 6100 | 5580 | 4650 | 3850 | 3160 | 2560 | 2040 | 1590 | 1220 | 890 | 620 | 380 |
| SH 1.5 7 A - Y | 40 | 7700 | 7040 | 5880 | 4860 | 4000 | 3230 | 2580 | 2010 | 1540 | 1130 | 790 | |
| SH 1.5 9 B - Y | 40 | | 7630 | 6320 | 5200 | 4210 | 3360 | 2630 | 2020 | 1480 | 1040 | 640 | |
| SH 2 11 D - Y | 40 | 12540 | 11470 | 9570 | 7920 | 6520 | 5280 | 4220 | 3300 | 2530 | 1870 | 1310 | |
| SH 2 13 D - Y | 40 | | | 9640 | 7940 | 6450 | 5160 | 4060 | 3130 | 2320 | 1650 | 1050 | |
| SH 3 13 D - Y | 40 | 15080 | 13800 | 11520 | 9540 | 7860 | 6370 | 5100 | 3990 | 3070 | | | |
| SH 4 16 D - Y | 40 | 18050 | 16550 | 13880 | 11560 | 9580 | 7840 | 6340 | 5050 | 3970 | | | |
| SH 3 18 D - Y | 40 | | | 12610 | 10460 | 8560 | 6930 | 5520 | 4340 | 3320 | 2470 | 1700 | |
| SH 5 19 F - Y | 40 | 21770 | 19950 | 16730 | 13920 | 11540 | 9430 | 7620 | 6060 | 4750 | | | |
| SH 4 24 F - Y | 40 | | | 17320 | 14400 | 11810 | 9600 | 7680 | 6080 | 4690 | 3530 | 2490 | |
| SH 5 25 Q - Y | 40 | | | 18040 | 15010 | 12340 | 10040 | 8060 | 6400 | 4960 | 3770 | 2690 | |
| SH 7 28 Q - Y | 40 | 32000 | 29280 | 24450 | 20250 | 16680 | 13520 | 10810 | 8470 | 6510 | | | |
| SH 5 33 Q - Y | 40 | | | 19060 | 15590 | 12620 | 10060 | 7910 | 6050 | 4500 | 3100 | | |
| SH 7 33 Q - Y | 40 | 35870 | 32880 | 27580 | 22970 | 19060 | 15590 | 12620 | 10060 | 7910 | | | |
| SH 7 39 S - Y | 40 | | | 27990 | 23270 | 19090 | 15510 | 12410 | 9820 | 7580 | 5710 | 4020 | |
| SH 10 39 S - Y | 40 | 43490 | 39870 | 33450 | 27870 | 23130 | 18940 | 15340 | 12230 | 9630 | | | |
| SH 10 51 S - Y | 40 | | | 30600 | 25040 | 20280 | 16160 | 12710 | 9720 | 7250 | 5000 | | |
| SH 15 51 S - Y | 40 | 56420 | 51680 | 43260 | 35940 | 29720 | 24220 | 19500 | 15420 | 12010 | | | |
| SH 20 56 S - Y | 40 | 64620 | 59210 | 49600 | 41250 | 34150 | 27870 | 22490 | 17840 | 13940 | | | |
| SH 15 71 V - Y | 40 | | | 42560 | 34740 | 28040 | 22240 | 17390 | 13190 | 9700 | 6530 | | |
| SH 20 84 V - Y | 40 | | | 50180 | 41180 | 33460 | 26790 | 21210 | 16370 | 12360 | 8720 | | |
| SH 30 84 V - Y | 40 | 93800 | 86960 | 72050 | 59960 | 49680 | 40590 | 32800 | 26060 | 20420 | | | |

| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Condensazione Condensing Condensation Verflüssigungs- temperatur °C | R407C | | | | | | | | | | | |
|--|--|--------------------------------|-------|----------------------------|-------|------------------------------|-------|--------------------|---------------------------|-------|--|--|--|
| | | Capacità frigorifere W | | Refrigerating capacity W | | Puissances frigorifiques W | | | Kälteleistungsdaten W | | | | |
| | | Temperatura di evaporazione °C | | Evaporating temperature °C | | Température d'évaporation °C | | | Verdampfungstemperatur °C | | | | |
| | | 12.5 | 7.5 | 5 | 0 | -5 | -10 | -15 | -20 | -25 | | | |
| SH 0.7 5 A - Y | 40 | 6160 | 5100 | 4630 | 3790 | 3070 | 2450 | 1920 | 1480 | 1100 | | | |
| SH 1 6 A - Y | 40 | 6830 | 5660 | 5130 | 4200 | 3400 | 2710 | 2130 | 1640 | 1220 | | | |
| SH 1.5 7 A - Y | 40 | 8630 | 7150 | 6490 | 5310 | 4290 | 3430 | 2690 | 2070 | 1540 | | | |
| SH 1.5 9 B - Y | 40 | A RICHIESTA | | ON REQUEST | | SUR DEMAND | | AUF ANFRAGE | | | | | |
| SH 2 11 D - Y | 40 | 14940 | 12350 | 11200 | 9140 | 7380 | 5870 | 4590 | 3500 | 2580 | | | |
| SH 2 13 D - Y | 40 | A RICHIESTA | | ON REQUEST | | SUR DEMAND | | AUF ANFRAGE | | | | | |
| SH 3 13 D - Y | 40 | 16920 | 14010 | 12710 | 10390 | 8400 | 6700 | 5260 | 4030 | 2990 | | | |
| SH 4 16 D - Y | 40 | 20780 | 17190 | 15590 | 12730 | 10270 | 8170 | 6390 | 4870 | 3600 | | | |
| SH 3 18 D - Y | 40 | A RICHIESTA | | ON REQUEST | | SUR DEMAND | | AUF ANFRAGE | | | | | |
| SH 5 19 F - Y | 40 | 24970 | 20670 | 18750 | 15320 | 12380 | 9870 | 7730 | 5920 | 4390 | | | |
| SH 4 24 F - Y | 40 | A RICHIESTA | | ON REQUEST | | SUR DEMAND | | AUF ANFRAGE | | | | | |
| SH 5 25 Q - Y | 40 | A RICHIESTA | | ON REQUEST | | SUR DEMAND | | AUF ANFRAGE | | | | | |
| SH 7 28 Q - Y | 40 | 35890 | 29710 | 26960 | 22050 | 17820 | 14220 | 11150 | 8550 | 6350 | | | |
| SH 5 33 Q - Y | 40 | A RICHIESTA | | ON REQUEST | | SUR DEMAND | | AUF ANFRAGE | | | | | |
| SH 7 33 Q - Y | 40 | 42070 | 34890 | 31700 | 25980 | 21070 | 16880 | 13310 | 10290 | 7740 | | | |
| SH 7 39 S - Y | 40 | A RICHIESTA | | ON REQUEST | | SUR DEMAND | | AUF ANFRAGE | | | | | |
| SH 10 39 S - Y | 40 | 51440 | 42560 | 38620 | 31550 | 25490 | 20310 | 15900 | 12160 | 9010 | | | |
| SH 10 51 S - Y | 40 | A RICHIESTA | | ON REQUEST | | SUR DEMAND | | AUF ANFRAGE | | | | | |
| SH 15 51 S - Y | 40 | 64880 | 53700 | 48730 | 39830 | 32200 | 25670 | 20120 | 15410 | 11440 | | | |
| SH 20 56 S - Y | 40 | 73170 | 60720 | 55190 | 45280 | 36780 | 29520 | 23340 | 18090 | 13670 | | | |
| SH 15 71 V - Y | 40 | A RICHIESTA | | ON REQUEST | | SUR DEMAND | | AUF ANFRAGE | | | | | |
| SH 20 84 V - Y | 40 | A RICHIESTA | | ON REQUEST | | SUR DEMAND | | AUF ANFRAGE | | | | | |
| SH 30 84 V - Y | 40 | 107870 | 89360 | 81130 | 66400 | 53750 | 42950 | 33750 | 25960 | 19380 | | | |

Con raffreddamento della testa
With head cooling
Avec refroidissement de la coulisse
Mit Zylinderkopfkühlung

Capacità frigorifere

Refrigerating capacity

Puissances frigorifiques

Kälteleistungsdaten

| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Condensazione Condensing Condensation Verflüssigungs- temperatur | R22 | | | | | | | | | | | | |
|--|--|--------------------------------|-------|-------|----------------------------|-------|-------|-------|------------------------------|-------|-------|------|---------------------------|------|
| | | Capacità frigorifere W | | | Refrigerating capacity W | | | | Puissances frigorifiques W | | | | Kälteleistungsdaten W | |
| | | Temperatura di evaporazione °C | | | Evaporating temperature °C | | | | Température d'évaporation °C | | | | Verdampfungstemperatur °C | |
| | | °C | 12.5 | 7.5 | 5 | 0 | -5 | -10 | -15 | -20 | -25 | -30 | -35 | -40 |
| SH 0.7 5 A - Y | 40 | 5960 | 4970 | 4520 | 3720 | 3030 | 2430 | 1920 | 1480 | 1120 | 820 | 580 | 400 | |
| SH 1 6 A - Y | 40 | 6610 | 5510 | 5010 | 4130 | 3360 | 2710 | 2130 | 1650 | 1250 | 920 | 650 | 440 | |
| SH 1.5 7 A - Y | 40 | 8470 | 7090 | 6470 | 5350 | 4390 | 3560 | 2840 | 2230 | 1710 | 1290 | 950 | | |
| SH 1.5 9 B - Y | 40 | | | 8740 | 7220 | 5910 | 4790 | 3850 | 3050 | 2370 | 1800 | 1320 | 940 | 630 |
| SH 2 11 D - Y | 40 | 14450 | 12070 | 11010 | 9150 | 7540 | 6130 | 4900 | 3850 | 2930 | 2170 | 1530 | | |
| SH 2 13 D - Y | 40 | | | 13170 | 11000 | 9090 | 7430 | 5980 | 4720 | 3640 | 2730 | 1970 | 1330 | 820 |
| SH 3 13 D - Y | 40 | 17250 | 14420 | 13160 | 10900 | 8950 | 7260 | 5800 | 4540 | 3470 | 2570 | | | |
| SH 4 16 D - Y | 40 | 20420 | 17110 | 15620 | 13060 | 10810 | 8850 | 7150 | 5670 | 4400 | 3320 | | | |
| SH 3 18 D - Y | 40 | | | | 12130 | 9920 | 8010 | 6350 | 4930 | 3720 | 2710 | 1860 | 1170 | |
| SH 5 19 F - Y | 40 | 25020 | 20840 | 18980 | 15620 | 12740 | 10270 | 8150 | 6360 | 4870 | 3630 | | | |
| SH 4 24 F - Y | 40 | | | | 15900 | 12920 | 10350 | 8160 | 6380 | 4860 | 3570 | 2490 | 1580 | |
| SH 5 25 Q - Y | 40 | | 26260 | 23880 | 19750 | 16180 | 13090 | 10440 | 8170 | 6250 | 4640 | 3310 | 2220 | 1360 |
| SH 7 28 Q - Y | 40 | 36590 | 30600 | 27910 | 23130 | 18980 | 15390 | 12290 | 9640 | 7360 | 5460 | | | |
| SH 5 33 Q - Y | 40 | | | | 21420 | 17550 | 14150 | 11180 | 8630 | 6460 | 4650 | 3180 | 1990 | |
| SH 7 33 Q - Y | 40 | 40460 | 34060 | 31190 | 26000 | 21510 | 17770 | 14520 | 11710 | 9290 | 7240 | | | |
| SH 7 39 S - Y | 40 | | | | 26500 | 21390 | 17030 | 13320 | 10200 | 7620 | 5500 | 3800 | 2470 | |
| SH 10 39 S - Y | 40 | 51050 | 42420 | 38560 | 31620 | 25640 | 20530 | 16160 | 12480 | 9410 | 6880 | | | |
| SH 10 51 S - Y | 40 | | | | 33770 | 27100 | 21460 | 16470 | 12820 | 9610 | 7000 | 4920 | 3350 | |
| SH 15 51 S - Y | 40 | 65490 | 54570 | 49680 | 40620 | 32870 | 26280 | 20700 | 16010 | 12110 | 8920 | | | |
| SH 20 56 S - Y | 40 | 72690 | 60570 | 55140 | 46020 | 38010 | 31010 | 24910 | 19660 | 15170 | 11390 | | | |
| SH 15 71 V - Y | 40 | | | | 47720 | 38390 | 30580 | 24080 | 18720 | 14330 | 10780 | 7920 | 5840 | |
| SH 20 84 V - Y | 40 | | | | 56600 | 45430 | 36090 | 28320 | 21920 | 16700 | 12470 | 9080 | 6620 | |
| SH 30 84 V - Y | 40 | 110110 | 92940 | 85220 | 69560 | 56350 | 45250 | 35960 | 28240 | 21870 | 16660 | | | |

FTEC09-04

| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Condensazione Condensing Condensation Verflüssigungs- temperatur | R134a | | | | | | | | | |
|--|--|--------------------------------|-------|-------|----------------------------|-------|-------|-------|------------------------------|-----|---------------------------|
| | | Capacità frigorifere W | | | Refrigerating capacity W | | | | Puissances frigorifiques W | | Kälteleistungsdaten W |
| | | Temperatura di evaporazione °C | | | Evaporating temperature °C | | | | Température d'évaporation °C | | Verdampfungstemperatur °C |
| | | °C | 12.5 | 7.5 | 5 | 0 | -5 | -10 | -15 | -20 | |
| SH 0.7 5 A - Y | 40 | 4030 | 3330 | 3020 | 2460 | 1980 | 1570 | 1230 | 930 | | |
| SH 1 6 A - Y | 40 | 4470 | 3690 | 3350 | 2730 | 2200 | 1740 | 1360 | 1030 | | |
| SH 1.5 7 A - Y | 40 | 5810 | 4800 | 4350 | 3550 | 2850 | 2270 | 1770 | 1340 | | |
| SH 1.5 9 B - Y | 40 | 7630 | 6290 | 5700 | 4630 | 3720 | 2940 | 2280 | 1720 | | |
| SH 2 11 D - Y | 40 | 9560 | 7870 | 7120 | 5780 | 4630 | 3650 | 2810 | 2110 | | |
| SH 2 13 D - Y | 40 | 11330 | 9330 | 8450 | 6860 | 5500 | 4330 | 3350 | 2520 | | |
| SH 3 13 D - Y | 40 | 11300 | 9310 | 8420 | 6830 | 5460 | 4300 | 3320 | 2480 | | |
| SH 4 16 D - Y | 40 | 13680 | 11260 | 10190 | 8260 | 6610 | 5200 | 4010 | 3000 | | |
| SH 3 18 D - Y | 40 | 16140 | 13300 | 12030 | 9770 | 7830 | 6170 | 4770 | 3580 | | |
| SH 5 19 F - Y | 40 | 16390 | 13570 | 12320 | 10070 | 8150 | 6510 | 5120 | 3940 | | |
| SH 4 24 F - Y | 40 | 20150 | 16680 | 15130 | 12370 | 10000 | 7970 | 6260 | 4810 | | |
| SH 5 25 Q - Y | 40 | 21630 | 17920 | 16270 | 13310 | 10770 | 8610 | 6780 | 5230 | | |
| SH 7 28 Q - Y | 40 | 23970 | 19740 | 17860 | 14480 | 11590 | 9120 | 7030 | 5260 | | |
| SH 5 33 Q - Y | 40 | 29410 | 24230 | 21920 | 17790 | 14260 | 11240 | 8690 | 6520 | | |
| SH 7 33 Q - Y | 40 | 29410 | 24230 | 21920 | 17790 | 14260 | 11240 | 8690 | 6520 | | |
| SH 7 39 S - Y | 40 | 33770 | 27980 | 25410 | 20790 | 16840 | 13470 | 10620 | 8200 | | |
| SH 10 39 S - Y | 40 | 33010 | 27360 | 24840 | 20340 | 16480 | 13180 | 10390 | 8030 | | |
| SH 10 51 S - Y | 40 | 43350 | 35890 | 32560 | 26600 | 21500 | 17150 | 13460 | 10340 | | |
| SH 15 51 S - Y | 40 | 42460 | 35130 | 31870 | 26030 | 21030 | 16760 | 13140 | 10070 | | |
| SH 20 56 S - Y | 40 | 48680 | 40300 | 36570 | 29880 | 24160 | 19280 | 15140 | 11640 | | |
| SH 15 71 V - Y | 40 | 61510 | 50920 | 46200 | 37760 | 30530 | 24360 | 19130 | 14700 | | |
| SH 20 84 V - Y | 40 | 71020 | 58820 | 53370 | 43640 | 35300 | 28190 | 22160 | 17050 | | |
| SH 30 84 V - Y | 40 | 70110 | 58030 | 52640 | 43010 | 34760 | 27720 | 21740 | 16690 | | |

Con raffreddamento della testa
With head cooling
Avec refroidissement de la coulasse
Mit Zylinderkopfkühlung

Con iniezione di liquido e raffreddamento della testa
With liquid injection and head cooling
Avec injection de liquide et refroidissement de la coulasse
Mit Flüssigkeitseinspritzung und Zylinderkopfkühlung

Capacità frigorifere

Refrigerating capacity

Puissances frigorifiques

Kälteleistungsdaten

| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Condensazione Condensing Condensation Verflüssigungs- temperatur °C | R404A - R507A | | | | | | | | | | | | |
|--|--|--------------------------------|--------|--------|----------------------------|-------|-------|------------------------------|-------|-------|---------------------------|-------|------|-----|
| | | Capacità frigorifere W | | | Refrigerating capacity W | | | Puissances frigorifiques W | | | Kälteleistungsdaten W | | | |
| | | Temperatura di evaporazione °C | | | Evaporating temperature °C | | | Température d'évaporation °C | | | Verdampfungstemperatur °C | | | |
| | | 7.5 | 5 | 0 | -5 | -10 | -15 | -20 | -25 | -30 | -35 | -40 | -45 | |
| SH 0.7 5 A - Y | 40 | | 6040 | 5040 | 4160 | 3420 | 2770 | 2210 | 1730 | 1320 | 960 | 670 | 410 | |
| SH 1 6 A - Y | 40 | | 7320 | 6700 | 5580 | 4620 | 3790 | 3070 | 2450 | 1910 | 1460 | 1070 | 740 | 460 |
| SH 1.5 7 A - Y | 40 | | 9240 | 8450 | 7060 | 5830 | 4800 | 3880 | 3100 | 2410 | 1850 | 1360 | 950 | |
| SH 1.5 9 B - Y | 40 | | | 9160 | 7580 | 6240 | 5050 | 4030 | 3160 | 2420 | 1780 | 1250 | 770 | |
| SH 2 11 D - Y | 40 | | 15050 | 13760 | 11480 | 9500 | 7820 | 6340 | 5060 | 3960 | 3040 | 2240 | 1570 | |
| SH 2 13 D - Y | 40 | | | | 11570 | 9530 | 7740 | 6190 | 4870 | 3760 | 2780 | 1980 | 1260 | |
| SH 3 13 D - Y | 40 | | 18100 | 16560 | 13820 | 11450 | 9430 | 7640 | 6120 | 4790 | 3680 | | | |
| SH 4 16 D - Y | 40 | | 21660 | 19860 | 16660 | 13870 | 11500 | 9410 | 7610 | 6060 | 4760 | | | |
| SH 3 18 D - Y | 40 | | | | 15130 | 12550 | 10270 | 8320 | 6620 | 5210 | 3980 | 2960 | 2040 | |
| SH 5 19 F - Y | 40 | | 26120 | 23940 | 20080 | 16700 | 13850 | 11320 | 9140 | 7270 | 5700 | | | |
| SH 4 24 F - Y | 40 | | | | 20780 | 17280 | 14170 | 11520 | 9220 | 7300 | 5630 | 4240 | 2990 | |
| SH 5 25 Q - Y | 40 | | | | 21650 | 18010 | 14810 | 12050 | 9670 | 7680 | 5950 | 4520 | 3230 | |
| SH 7 28 Q - Y | 40 | | 38400 | 35140 | 29340 | 24300 | 20020 | 16220 | 12970 | 10160 | 7810 | | | |
| SH 5 33 Q - Y | 40 | | | | 22870 | 18710 | 15140 | 12070 | 9490 | 7260 | 5400 | 3720 | | |
| SH 7 33 Q - Y | 40 | | 43040 | 39460 | 33100 | 27560 | 22870 | 18710 | 15140 | 12070 | 9490 | | | |
| SH 7 39 S - Y | 40 | | | | 33590 | 27920 | 22910 | 18610 | 14890 | 11780 | 9100 | 6850 | 4820 | |
| SH 10 39 S - Y | 40 | | 52190 | 47840 | 40140 | 33440 | 27760 | 22730 | 18410 | 14680 | 11560 | | | |
| SH 10 51 S - Y | 40 | | | | 36720 | 30050 | 24340 | 19390 | 15250 | 11660 | 8700 | 6000 | | |
| SH 15 51 S - Y | 40 | | 67700 | 62020 | 51910 | 43130 | 35660 | 29060 | 23400 | 18500 | 14410 | | | |
| SH 20 56 S - Y | 40 | | 77540 | 71050 | 59520 | 49500 | 40980 | 33440 | 26990 | 21410 | 16730 | | | |
| SH 15 71 V - Y | 40 | | | | 51070 | 41690 | 33650 | 26690 | 20870 | 15830 | 11640 | 7840 | | |
| SH 20 84 V - Y | 40 | | | | 60220 | 49420 | 40150 | 32150 | 25450 | 19640 | 14830 | 10460 | | |
| SH 30 84 V - Y | 40 | | 112560 | 104350 | 86460 | 71950 | 59620 | 48710 | 39360 | 31270 | 24500 | | | |

| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Condensazione Condensing Condensation Verflüssigungs- temperatur °C | R407C | | | | | | | | | | | |
|--|--|--------------------------------|--------------------|-------------------|----------------------------|-------------------|--------------------|------------------------------|-------|-------|---------------------------|--|--|
| | | Capacità frigorifere W | | | Refrigerating capacity W | | | Puissances frigorifiques W | | | Kälteleistungsdaten W | | |
| | | Temperatura di evaporazione °C | | | Evaporating temperature °C | | | Température d'évaporation °C | | | Verdampfungstemperatur °C | | |
| | | 12.5 | 7.5 | 5 | 0 | -5 | -10 | -15 | -20 | -25 | | | |
| SH 0.7 5 A - Y | 40 | | 6120 | 5560 | 4550 | 3680 | 2940 | 2300 | 1780 | 1320 | | | |
| SH 1 6 A - Y | 40 | | 8200 | 6790 | 6160 | 5040 | 4080 | 3250 | 2560 | 1970 | 1460 | | |
| SH 1.5 7 A - Y | 40 | | 10360 | 8580 | 7790 | 6370 | 5150 | 4120 | 3230 | 2480 | 1850 | | |
| SH 1.5 9 B - Y | 40 | | A RICHIESTA | ON REQUEST | ON REQUEST | SUR DEMAND | AUF ANFRAGE | | | | | | |
| SH 2 11 D - Y | 40 | | 17930 | 14820 | 13440 | 10970 | 8860 | 7040 | 5510 | 4200 | 3100 | | |
| SH 2 13 D - Y | 40 | | A RICHIESTA | ON REQUEST | ON REQUEST | SUR DEMAND | AUF ANFRAGE | | | | | | |
| SH 3 13 D - Y | 40 | | 20300 | 16810 | 15250 | 12470 | 10080 | 8040 | 6310 | 4840 | 3590 | | |
| SH 4 16 D - Y | 40 | | 24940 | 20630 | 18710 | 15280 | 12320 | 9800 | 7670 | 5840 | 4320 | | |
| SH 3 18 D - Y | 40 | | A RICHIESTA | ON REQUEST | ON REQUEST | SUR DEMAND | AUF ANFRAGE | | | | | | |
| SH 5 19 F - Y | 40 | | 29960 | 24800 | 22500 | 18380 | 14860 | 11840 | 9280 | 7100 | 5270 | | |
| SH 4 24 F - Y | 40 | | A RICHIESTA | ON REQUEST | ON REQUEST | SUR DEMAND | AUF ANFRAGE | | | | | | |
| SH 5 25 Q - Y | 40 | | A RICHIESTA | ON REQUEST | ON REQUEST | SUR DEMAND | AUF ANFRAGE | | | | | | |
| SH 7 28 Q - Y | 40 | | 43070 | 35650 | 32350 | 26460 | 21380 | 17060 | 13380 | 10260 | 7620 | | |
| SH 5 33 Q - Y | 40 | | A RICHIESTA | ON REQUEST | ON REQUEST | SUR DEMAND | AUF ANFRAGE | | | | | | |
| SH 7 33 Q - Y | 40 | | 50480 | 41870 | 38040 | 31180 | 25280 | 20260 | 15970 | 12350 | 9290 | | |
| SH 7 39 S - Y | 40 | | A RICHIESTA | ON REQUEST | ON REQUEST | SUR DEMAND | AUF ANFRAGE | | | | | | |
| SH 10 39 S - Y | 40 | | 61730 | 51070 | 46340 | 37860 | 30590 | 24370 | 19080 | 14590 | 10810 | | |
| SH 10 51 S - Y | 40 | | A RICHIESTA | ON REQUEST | ON REQUEST | SUR DEMAND | AUF ANFRAGE | | | | | | |
| SH 15 51 S - Y | 40 | | 77860 | 64440 | 58480 | 47800 | 38640 | 30800 | 24140 | 18490 | 13730 | | |
| SH 20 56 S - Y | 40 | | 87800 | 72860 | 66230 | 54340 | 44140 | 35420 | 28010 | 21710 | 16400 | | |
| SH 15 71 V - Y | 40 | | A RICHIESTA | ON REQUEST | ON REQUEST | SUR DEMAND | AUF ANFRAGE | | | | | | |
| SH 20 84 V - Y | 40 | | A RICHIESTA | ON REQUEST | ON REQUEST | SUR DEMAND | AUF ANFRAGE | | | | | | |
| SH 30 84 V - Y | 40 | | 129440 | 107230 | 97360 | 79680 | 64500 | 51540 | 40500 | 31150 | 23260 | | |

Con raffreddamento della testa
With head cooling
Avec refroidissement de la coulasse
Mit Zylinderkopfkühlung

Capacità frigorifere

Refrigerating capacity

Puissances frigorifiques

Kälteleistungsdaten

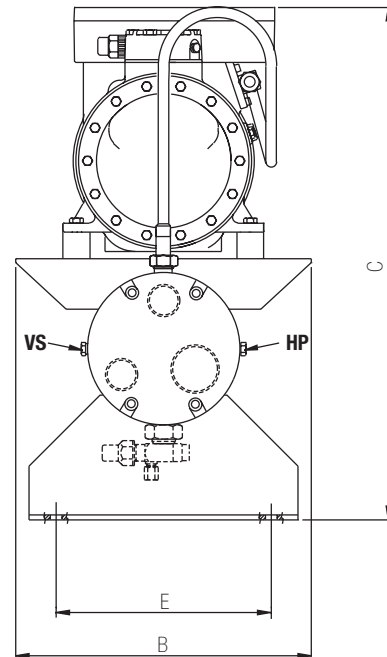
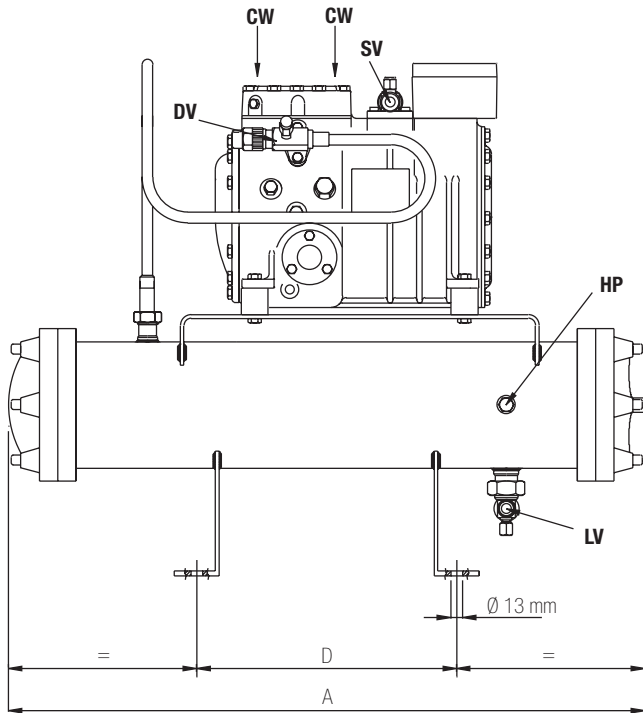
| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Condensazione Condensing Condensation Verflüssigungs- temperatur °C | R22 | | | | | | | | | | | | |
|--|--|--------------------------------|--------|--------|----------------------------|-------|-------|------------------------------|-------|-------|---------------------------|-------|------|------|
| | | Capacità frigorifere W | | | Refrigerating capacity W | | | Puissances frigorifiques W | | | Kälteleistungsdaten W | | | |
| | | Temperatura di evaporazione °C | | | Evaporating temperature °C | | | Température d'évaporation °C | | | Verdampfungstemperatur °C | | | |
| | | 12.5 | 7.5 | 5 | 0 | -5 | -10 | -15 | -20 | -25 | -30 | -35 | -40 | -45 |
| SH 0.7 5 A - Y | 40 | 7150 | 5960 | 5420 | 4460 | 3640 | 2920 | 2300 | 1780 | 1340 | 980 | 700 | 480 | |
| SH 1 6 A - Y | 40 | 7930 | 6610 | 6010 | 4960 | 4030 | 3250 | 2560 | 1980 | 1500 | 1100 | 780 | 530 | |
| SH 1.5 7 A - Y | 40 | 10160 | 8510 | 7760 | 6420 | 5270 | 4270 | 3410 | 2680 | 2050 | 1550 | 1140 | | |
| SH 1.5 9 B - Y | 40 | | | 10490 | 8660 | 7090 | 5750 | 4620 | 3660 | 2840 | 2160 | 1580 | 1130 | 760 |
| SH 2 11 D - Y | 40 | 17340 | 14480 | 13210 | 10980 | 9050 | 7360 | 5880 | 4620 | 3520 | 2600 | 1840 | | |
| SH 2 13 D - Y | 40 | | | 15800 | 13200 | 10910 | 8920 | 7180 | 5660 | 4370 | 3280 | 2360 | 1600 | 980 |
| SH 3 13 D - Y | 40 | 20700 | 17300 | 15790 | 13080 | 10740 | 8710 | 6960 | 5450 | 4160 | 3080 | | | |
| SH 4 16 D - Y | 40 | 24500 | 20530 | 18740 | 15670 | 12970 | 10620 | 8580 | 6800 | 5280 | 3980 | | | |
| SH 3 18 D - Y | 40 | | | | 14560 | 11900 | 9610 | 7620 | 5920 | 4460 | 3250 | 2230 | 1400 | |
| SH 5 19 F - Y | 40 | 30020 | 25010 | 22780 | 18740 | 15290 | 12320 | 9780 | 7630 | 5840 | 4360 | | | |
| SH 4 24 F - Y | 40 | | | | 19080 | 15500 | 12420 | 9790 | 7660 | 5830 | 4280 | 2990 | 1900 | |
| SH 5 25 Q - Y | 40 | | 31510 | 28660 | 23700 | 19420 | 15710 | 12530 | 9800 | 7500 | 5570 | 3970 | 2660 | 1630 |
| SH 7 28 Q - Y | 40 | 43910 | 36720 | 33490 | 27760 | 22780 | 18470 | 14750 | 11570 | 8830 | 6550 | | | |
| SH 5 33 Q - Y | 40 | | | | 25700 | 21060 | 16980 | 13420 | 10360 | 7750 | 5580 | 3820 | 2390 | |
| SH 7 33 Q - Y | 40 | 48550 | 40870 | 37430 | 31200 | 25810 | 21320 | 17420 | 14050 | 11150 | 8690 | | | |
| SH 7 39 S - Y | 40 | | | | 31800 | 25670 | 20440 | 15980 | 12240 | 9140 | 6600 | 4560 | 2960 | |
| SH 10 39 S - Y | 40 | 61260 | 50900 | 46270 | 37940 | 30770 | 24640 | 19390 | 14980 | 11290 | 8260 | | | |
| SH 10 51 S - Y | 40 | | | | 40520 | 32520 | 25750 | 19760 | 15380 | 11530 | 8400 | 5900 | 4020 | |
| SH 15 51 S - Y | 40 | 78590 | 65480 | 59620 | 48740 | 39440 | 31540 | 24840 | 19210 | 14530 | 10700 | | | |
| SH 20 56 S - Y | 40 | 87230 | 72680 | 66170 | 55220 | 45610 | 37210 | 29890 | 23590 | 18200 | 13670 | | | |
| SH 15 71 V - Y | 40 | | | | 57260 | 46070 | 36700 | 28900 | 22460 | 17200 | 12940 | 9500 | 7010 | |
| SH 20 84 V - Y | 40 | | | | 67920 | 54520 | 43310 | 33980 | 26300 | 20040 | 14960 | 10900 | 7940 | |
| SH 30 84 V - Y | 40 | 132130 | 111530 | 102260 | 83470 | 67620 | 54300 | 43150 | 33890 | 26240 | 19990 | | | |

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| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Condensazione Condensing Condensation Verflüssigungs- temperatur °C | R134a | | | | | | | | | |
|--|--|--------------------------------|-------|-------|----------------------------|-------|-------|------------------------------|-------|---------------------------|--|
| | | Capacità frigorifere W | | | Refrigerating capacity W | | | Puissances frigorifiques W | | Kälteleistungsdaten W | |
| | | Temperatura di evaporazione °C | | | Evaporating temperature °C | | | Température d'évaporation °C | | Verdampfungstemperatur °C | |
| | | 12.5 | 7.5 | 5 | 0 | -5 | -10 | -15 | -20 | | |
| SH 0.7 5 A - Y | 40 | 4840 | 4000 | 3620 | 2950 | 2380 | 1880 | 1480 | 1120 | | |
| SH 1 6 A - Y | 40 | 5360 | 4430 | 4020 | 3280 | 2640 | 2090 | 1630 | 1240 | | |
| SH 1.5 7 A - Y | 40 | 6970 | 5760 | 5220 | 4260 | 3420 | 2720 | 2120 | 1610 | | |
| SH 1.5 9 B - Y | 40 | 9160 | 7550 | 6840 | 5560 | 4460 | 3530 | 2740 | 2060 | | |
| SH 2 11 D - Y | 40 | 11470 | 9440 | 8540 | 6940 | 5560 | 4380 | 3370 | 2530 | | |
| SH 2 13 D - Y | 40 | 13600 | 11200 | 10140 | 8230 | 6600 | 5200 | 4020 | 3020 | | |
| SH 3 13 D - Y | 40 | 13560 | 11170 | 10100 | 8200 | 6550 | 5160 | 3980 | 2980 | | |
| SH 4 16 D - Y | 40 | 16420 | 13510 | 12230 | 9910 | 7930 | 6240 | 4810 | 3600 | | |
| SH 3 18 D - Y | 40 | 19370 | 15960 | 14440 | 11720 | 9400 | 7400 | 5720 | 4300 | | |
| SH 5 19 F - Y | 40 | 19670 | 16280 | 14780 | 12080 | 9780 | 7810 | 6140 | 4730 | | |
| SH 4 24 F - Y | 40 | 24180 | 20020 | 18160 | 14840 | 12000 | 9560 | 7510 | 5770 | | |
| SH 5 25 Q - Y | 40 | 25960 | 21500 | 19520 | 15970 | 12920 | 10330 | 8140 | 6280 | | |
| SH 7 28 Q - Y | 40 | 28760 | 23690 | 21430 | 17380 | 13910 | 10940 | 8440 | 6310 | | |
| SH 5 33 Q - Y | 40 | 35290 | 29080 | 26300 | 21350 | 17110 | 13490 | 10430 | 7820 | | |
| SH 7 33 Q - Y | 40 | 35290 | 29080 | 26300 | 21350 | 17110 | 13490 | 10430 | 7820 | | |
| SH 7 39 S - Y | 40 | 40520 | 33580 | 30490 | 24950 | 20210 | 16160 | 12740 | 9840 | | |
| SH 10 39 S - Y | 40 | 39610 | 32830 | 29810 | 24410 | 19780 | 15820 | 12470 | 9640 | | |
| SH 10 51 S - Y | 40 | 52020 | 43070 | 39070 | 31920 | 25800 | 20580 | 16150 | 12410 | | |
| SH 15 51 S - Y | 40 | 50950 | 42160 | 38240 | 31240 | 25240 | 20110 | 15770 | 12080 | | |
| SH 20 56 S - Y | 40 | 58420 | 48360 | 43880 | 35860 | 28990 | 23140 | 18170 | 13970 | | |
| SH 15 71 V - Y | 40 | 73810 | 61100 | 55440 | 45310 | 36640 | 29230 | 22960 | 17640 | | |
| SH 20 84 V - Y | 40 | 85220 | 70580 | 64040 | 52370 | 42360 | 33830 | 26590 | 20460 | | |
| SH 30 84 V - Y | 40 | 84130 | 69640 | 63170 | 51610 | 41710 | 33260 | 26090 | 20030 | | |

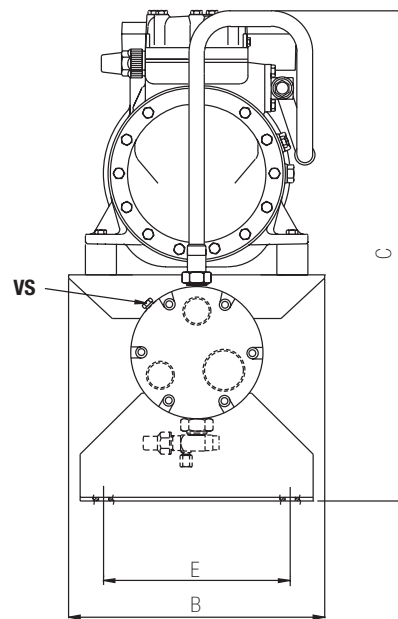
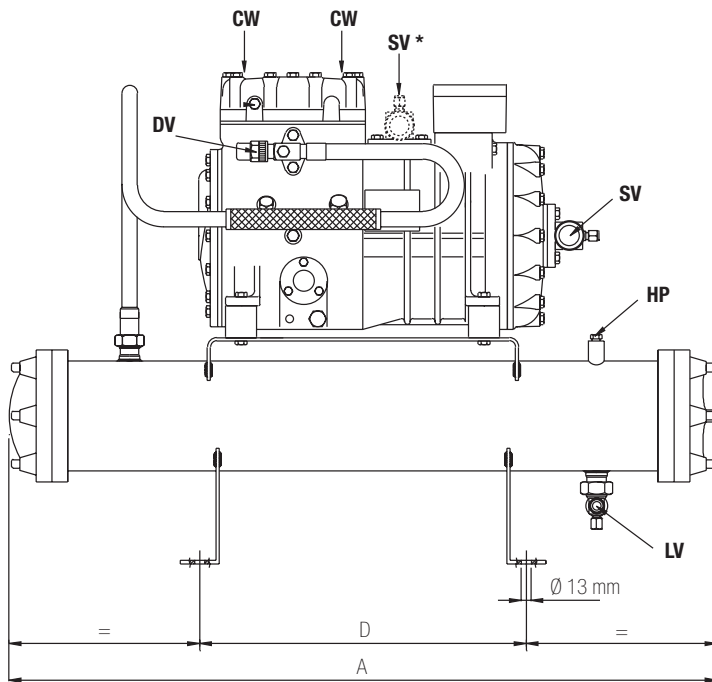
Con raffreddamento della testa
With head cooling
Avec refroidissement de la coulasse
Mit Zylinderkopfkühlung

Con iniezione di liquido e raffreddamento della testa
With liquid injection and head cooling
Avec injection de liquide et refroidissement de la coulasse
Mit Flüssigkeitseinspritzung und Zylinderkopfkühlung



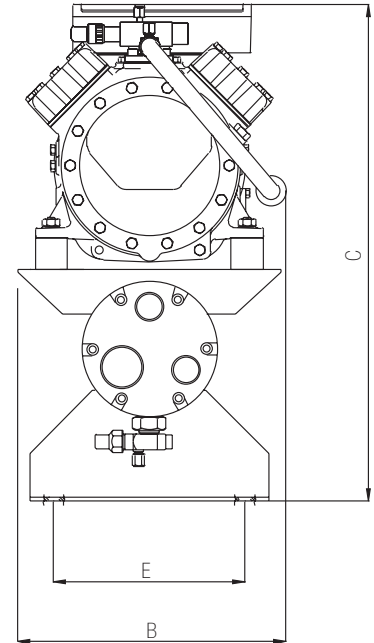
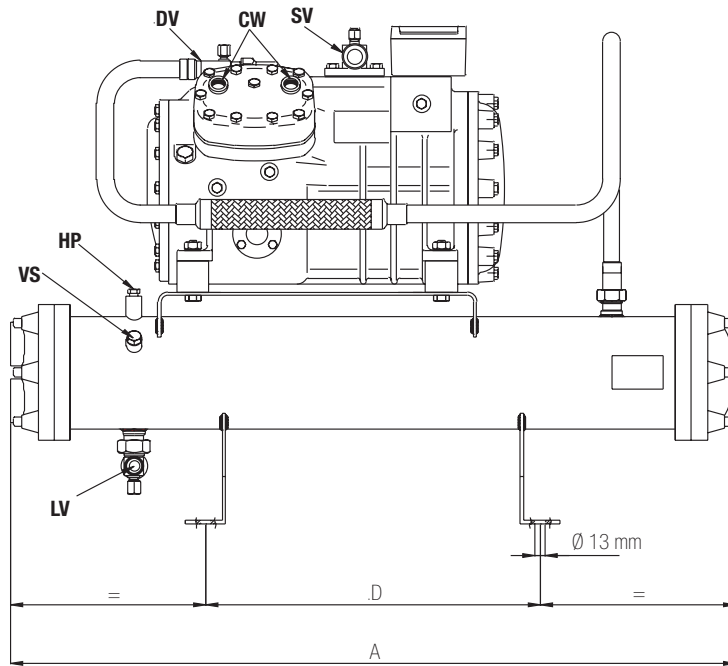
Disegno Drawing **1**
Plan Zeichnung

FTEC09-04



* posizione del rubinetto di aspirazione per il modello SH 4 24 FY
suction valve location for model SH 4 24 FY
position de la vanne d'aspiration pour le modèle SH 4 24 FY
Stellung des Saugventiles für das Modell SH 4 24 FY

Disegno Drawing **2**
Plan Zeichnung

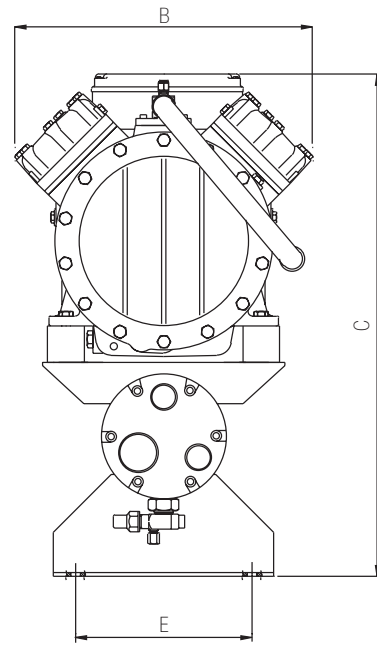
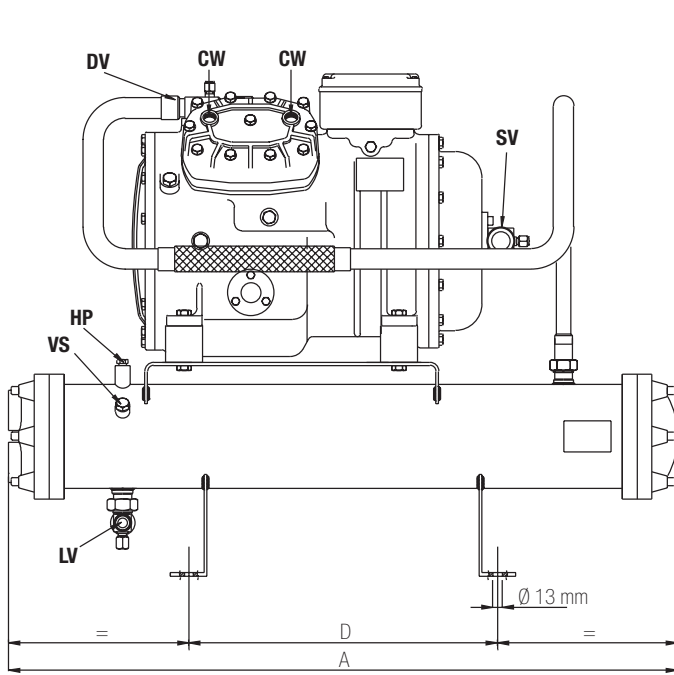


Disegno Drawing **3**
 Plan Zeichnung

FTEC09-04

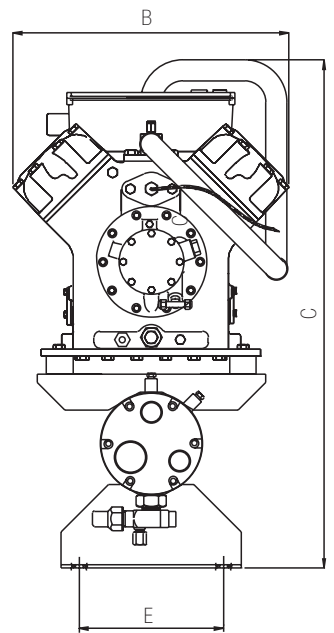
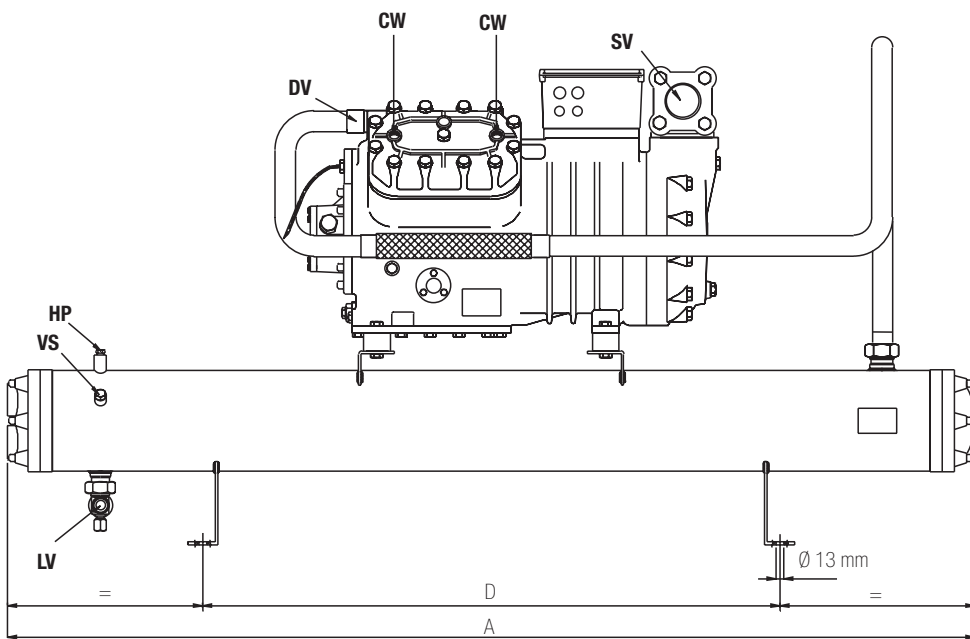
| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Rubinetto aspirazione Suction valve Vanne d'aspiration Saugventil | | Rubinetto del liquido Liquid valve Vanne du liquide Flüssigkeitsventil | | Lunghezza Length Longueur Länge | Larghezza Width Largeur Breite | Altezza Height Hauteur Höhe | Interassi di fissaggio Base mounting Trous fixation Befestigungslöcher | | Peso netto Net weight Poids net Netto Gewicht | Peso lordo Gross weight Poids brut Brutto Gewicht | Disegno Drawing Plan Zeichnung |
|--|--|---------|---|---------|--|---|--------------------------------------|---|---------|--|--|---|
| | Ø " | Ø mm | Ø " | Ø mm | A mm | B mm | C mm | D mm | E mm | kg | kg | |
| SH 0.7 5 A - Y | 5/8 | 15.8 | 1/2 | 12.7 | 710 | 330 | 571 | 290 | 240 | 62 | 67 | 1 |
| SH 1 6 A - Y | 5/8 | 15.8 | 1/2 | 12.7 | 710 | 330 | 571 | 290 | 240 | 62 | 67 | 1 |
| SH 1.5 7 A - Y | 5/8 | 15.8 | 1/2 | 12.7 | 710 | 330 | 571 | 290 | 240 | 62 | 67 | 1 |
| SH 1.5 9 B - Y | 5/8 | 15.8 | 1/2 | 12.7 | 710 | 330 | 588 | 290 | 240 | 62 | 71 | 1 |
| SH 2 11 D - Y | 7/8 | 22.2 | 5/8 | 15.8 | 910 | 330 | 605 | 420 | 240 | 87 | 95 | 1 |
| SH 2 13 D - Y | 7/8 | 22.2 | 1/2 | 12.7 | 710 | 330 | 605 | 290 | 240 | 72 | 77 | 1 |
| SH 3 13 D - Y | 1 1/8 | 28.6 | 5/8 | 15.8 | 910 | 330 | 623 | 420 | 240 | 91 | 99 | 1 |
| SH 4 16 D - Y | 1 1/8 | 28.6 | 5/8 | 15.8 | 910 | 330 | 623 | 420 | 240 | 93 | 101 | 1 |
| SH 3 18 D - Y | 1 1/8 | 28.6 | 5/8 | 15.8 | 910 | 330 | 623 | 420 | 240 | 91 | 99 | 1 |
| SH 5 19 F - Y | 1 1/8 | 28.6 | 3/4 | 19.0 | 910 | 330 | 630 | 420 | 240 | 121 | 129 | 2 |
| SH 4 24 F - Y | 1 1/8 | 28.6 | 5/8 | 15.8 | 910 | 330 | 630 | 420 | 240 | 116 | 124 | 2 |
| SH 5 25 Q - Y | 1 1/8 | 28.6 | 5/8 | 15.8 | 910 | 327 | 624 | 420 | 240 | 121 | 129 | 3 |
| SH 7 28 Q - Y | 1 3/8 | 35.0 | 3/4 | 19.0 | 910 | 327 | 624 | 420 | 240 | 124 | 132 | 3 |
| SH 5 33 Q - Y | 1 3/8 | 35.0 | 3/4 | 19.0 | 910 | 327 | 624 | 420 | 240 | 125 | 129 | 3 |
| SH 7 33 Q - Y | 1 3/8 | 35.0 | 7/8 | 22.0 | 910 | 327 | 653 | 420 | 240 | 127 | 131 | 3 |

| | | | | |
|-----------|--|-----------------------------------|--|-----------------------------------|
| CW | attacco per acqua raffreddamento testata | connection for water head cooling | raccord pour eau refroidissement culasse | Anschluß für wassergekühlten Kopf |
| DV | rubinetto di compressione | discharge valve | vanne de refoulement | Druckventil |
| LV | rubinetto del liquido | liquid valve | vanne du liquide | Flüssigkeitsventil |
| HP | tappo di alta pressione condensatore | condenser high pressure plug | condenseur bouchon haute pression | Verflüssiger Stopfen Druckseite |
| SV | rubinetto di aspirazione | suction valve | vanne d'aspiration | Saugventil |
| VS | tappo per valvola di sicurezza | safety valve plug | bouchon pour vanne de sûreté | Stopfen Sicherheitsventil |



Disegno Drawing 4
Plan Zeichnung

FTEC09-04



Disegno Drawing 5
Plan Zeichnung

Dimensioni di ingombro

Dimensional drawing

Plans cotés

Mass Zeichnungen

| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Rubinetto aspirazione Suction valve Vanne d'aspiration Saugventil | | Rubinetto del liquido Liquid valve Vanne du liquide Flüssigkeitsventil | | Lunghezza Length Longueur Länge | Larghezza Width Largeur Breite | Altezza Height Hauteur Höhe | Interassi di fissaggio Base mounting Trous fixation Befestigungslöcher | | Peso netto Net weight Poids net Netto Gewicht | Peso lordo Gross weight Poids brut Brutto Gewicht | Disegno Drawing Plan Zeichnung |
|--|--|------|---|------|--|---|--------------------------------------|---|-----|--|--|---|
| | Ø | Ø | Ø | Ø | | | | D | E | | | |
| | " | mm | " | mm | | | | mm | mm | | | |
| SH 7 39 S - Y | 1 3/8 | 35.0 | 3/4 | 19.0 | 910 | 405 | 684 | 420 | 240 | 163 | 178 | 4 |
| SH 10 39 S - Y | 1 3/8 | 35.0 | 7/8 | 22.2 | 910 | 405 | 684 | 420 | 240 | 168 | 183 | 4 |
| SH 10 51 S - Y | 1 3/8 | 35.0 | 7/8 | 22.2 | 910 | 405 | 684 | 420 | 240 | 168 | 183 | 4 |
| SH 15 51 S - Y | 1 5/8 | 42.0 | 7/8 | 22.2 | 1610 | 405 | 690 | 960 | 240 | 195 | 220 | 4 |
| SH 20 56 S - Y | 1 5/8 | 42.0 | 7/8 | 22.2 | 1610 | 405 | 690 | 960 | 240 | 201 | 226 | 4 |
| SH 15 71 V - Y | 1 5/8 | 42.0 | 1 1/8 | 28.6 | 1610 | 465 | 795 | 960 | 240 | 240 | 265 | 5 |
| SH 20 84 V - Y | 1 5/8 | 42.0 | 1 1/8 | 28.6 | 1610 | 465 | 795 | 960 | 240 | 250 | 275 | 5 |
| SH 30 84 V - Y | 1 5/8 | 42.0 | 1 1/8 | 28.6 | 1610 | 465 | 845 | 960 | 240 | 268 | 293 | 5 |

| | | | | |
|-----------|--|-----------------------------------|--|-----------------------------------|
| CW | attacco per acqua raffreddamento testata | connection for water head cooling | raccord pour eau refroidissement culasse | Anschluß für wassergekühlten Kopf |
| DV | rubinetto di compressione | discharge valve | vanne de refolement | Druckventil |
| LV | rubinetto del liquido | liquid valve | vanne du liquide | Flüssigkeitsventil |
| HP | tappo di alta pressione condensatore | condenser high pressure plug | condenseur bouchon haute pression | Verflüssiger Stopfen Druckseite |
| SV | rubinetto di aspirazione | suction valve | vanne d'aspiration | Saugventil |
| VS | tappo per valvola di sicurezza | safety valve plug | bouchon pour vanne de sûreté | Stopfen Sicherheitsventil |

Collegamenti lato acqua

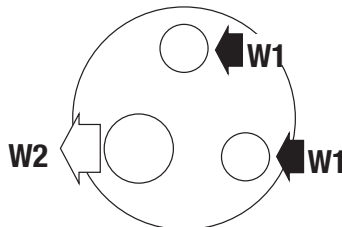
Water side connections

Raccord côté eau

Anschlüsse wasserseitig

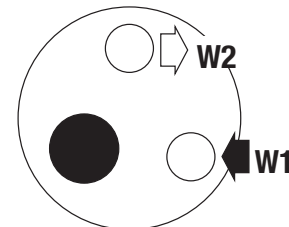
CW

Collegamento per alimentazione con acqua di torre evaporativa
Connection for cooling tower water supply
Connection pour prise d'eau de tour de refroidissement
Verbindung zur Versorgung mit Kühlturmwasser



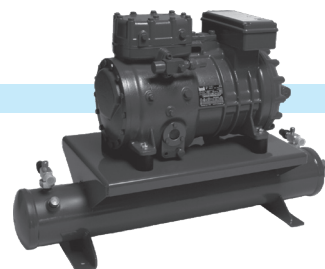
MW

Collegamento per alimentazione con acqua di pozzo
Connection for mains water supply
Connection pour prise d'eau de ville
Verbindung zur Versorgung mit Stadtwasser



| Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Collegamento Connection Connection Verbindung | | Collegamento Connection Connection Verbindung | | Unità condensatrice Condensing unit Groupe de condensation Verflüssigungssatz | Collegamento Connection Connection Verbindung | | Collegamento Connection Connection Verbindung | |
|--|--|--|--|--|--|--|--|--|--|
| | CW | | MW | | | CW | | MW | |
| | ingresso inlet entrée Eintritt | uscita outlet sortie Austritt | ingresso inlet entrée Eintritt | uscita outlet sortie Austritt | | ingresso inlet entrée Eintritt | uscita outlet sortie Austritt | ingresso inlet entrée Eintritt | uscita outlet sortie Austritt |
| | W1 "FPT" | W2 "FPT" | W1 "FPT" | W2 "FPT" | | W1 "FPT" | W2 "FPT" | W1 "FPT" | W2 "FPT" |
| SH 0.7 5 A - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" | SH 7 28 Q - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 1 6 A - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" | SH 5 33 Q - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 1.5 7 A - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" | SH 7 33 Q - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 1.5 9 B - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" | SH 7 39 S - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 2 11 D - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" | SH 10 39 S - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 2 13 D - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" | SH 10 51 S - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" |
| SH 3 13 D - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" | SH 15 51 S - Y | 2 x 1" | 1.1/2" | 1" | 1" |
| SH 4 16 D - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" | SH 20 56 S - Y | 2 x 1" | 1.1/2" | 1" | 1" |
| SH 3 18 D - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" | SH 15 71 V - Y | 2 x 1" | 1.1/2" | 1" | 1" |
| SH 5 19 F - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" | SH 20 84 V - Y | 2 x 1" | 1.1/2" | 1" | 1" |
| SH 4 24 F - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" | SH 30 84 V - Y | 2 x 1" | 1.1/2" | 1" | 1" |
| SH 5 25 Q - Y | 2 x 3/4" | 1.1/4" | 3/4" | 3/4" | | | | | |

Unità di compressione per condensazione remota Compressor/receiver groups for remote condenser Groupes de compression pour condenseur séparé Verdichtersätze mit Sammler



Le unità di compressione **CR** sono essenzialmente composte da compressore semiermetico, ricevitore di liquido con attacco per valvola di sicurezza, rubinetti, basamento e, nei modelli dove previsto, pressostato differenziale olio di tipo elettronico. Possono essere fornite complete di resistenza per il riscaldamento dell'olio nel carter, dispositivo per il controllo della capacità, dispositivo per la partenza a vuoto.

CR compressor/receiver group are essentially composed of semi-hermetic compressor, liquid receiver with safety valve connection, service valves, base frame and, where foreseen, electronic oil pressure switch. They can be supplied with oil crankcase heater, capacity control device, unloaded start device.

Les groupes de compression **CR** se composent de compresseur semi-hermétique, réservoir de liquide avec connexion pour soupape de sûreté, vannes d'isolement, châssis et, sur certains modèles, d'un pressostat différentiel d'huile de type électronique. Ils peuvent être fournis d'une résistance de carter pour le chauffage de l'huile, d'un contrôle de capacité et d'un démarrage à vide.

Die Verdichtersätze der Baureihe **CR** beinhalten halbhertische Verdichter, Sammler mit Anschluß für Sicherheitsventil, Ventile, Grundrahmen und ein Öldifferenzdruckschalter. Als Zubehör ist erhältlich: Kurbelwannenheizung, bei bestimmten Typen ist weiterhin eine Anlaufentlastung sowie Leistungsregelung lieferbar.

Dati tecnici

Technical data

Données techniques

Technische Daten

| Gruppo di compressione Compressor/receiver Groupe de compression Verdichtersätze mit Sammler | Compressore Compressor Compresseur Verdichter | Capacità Capacity Capacité Inhalt | Ricevitore di liquido Liquid receiver Réservoir de liquide Flüssigkeitssammler | | | | Approvazioni Approvals Homologations Geprüft | Peso Weights Poids Gewicht | | |
|--|--|--|---|--|------------------|-------------|---|-------------------------------------|----------------------------------|-----------|
| | | | Modello Model Modèle Modell | Carica massima di refrigerante Maximum refrigerant charge Charge maximum de réfrigérant Maximale Kältemittelfüllung | | | | netto net Netto | lordo gross brut Brutto | |
| | | | | | R404A/R507 kg | R407C kg | | | | R22 kg |
| CR 2 11 D - Y | D 2 11 - Y | 8.0 | 6.4 | 7.1 | 7.5 | 7.5 | - | 51 | 59 | |
| CR 2 13 D - Y | D 2 13 - Y | 8.0 | 6.4 | 7.1 | 7.5 | 7.5 | - | 51 | 56 | |
| CR 3 13 D - Y | D 3 13 - Y | 8.0 | 6.4 | 7.1 | 7.5 | 7.5 | - | 55 | 63 | |
| CR 4 16 D - Y | D 4 16 - Y | 8.0 | 6.4 | 7.1 | 7.5 | 7.5 | - | 57 | 65 | |
| CR 3 18 D - Y | D 3 18 - Y | 8.0 | 6.4 | 7.1 | 7.5 | 7.5 | - | 55 | 63 | |
| CR 5 19 F - Y | F 5 19 - Y | 19.0 | 15.2 | 16.8 | 17.7 | 17.9 | - | 90 | 98 | |
| CR 4 24 F - Y | F 4 24 - Y | 12.0 | 9.6 | 10.6 | 11.2 | 11.3 | - | 83 | 91 | |
| CR 5 25 Q - Y | Q 5 25 - Y | 12.0 | 9.6 | 10.6 | 11.2 | 11.3 | - | 88 | 96 | |
| CR 5 33 Q - Y | Q 5 33 - Y | 19.0 | 15.2 | 16.8 | 17.7 | 17.9 | - | 103 | 118 | |
| CR 7 33 Q - Y | Q 7 33 - Y | 24.0 | 19.2 | 21.2 | 22.4 | 22.6 | - | 110 | 125 | |
| CR 7 39 S - Y | S 7 39 - Y | 19.0 | 15.2 | 16.8 | 17.7 | 17.9 | - | 131 | 146 | |
| CR 10 39 S - Y | S 10 39 - Y | 24.0 | 19.2 | 21.2 | 22.4 | 22.6 | - | 139 | 154 | |
| CR 10 51 S - Y | S 10 51 - Y | 24.0 | 19.2 | 21.2 | 22.4 | 22.6 | - | 139 | 154 | |
| CR 15 51 S - Y | S 15 51 - Y | 24.0 | 19.2 | 21.2 | 22.4 | 22.6 | - | 145 | 160 | |
| CR 20 56 S - Y | S 20 56 - Y | 24.0 | 19.2 | 21.2 | 22.4 | 22.6 | - | 151 | 166 | |
| CR 15 71 V - Y | V 15 71 - Y | 30.0 | 24.4 | 26.5 | 28.0 | 28.3 | TÜV | 195 | 210 | |
| CR 20 84 V - Y | V 20 84 - Y | 30.0 | 24.4 | 26.5 | 28.0 | 28.3 | TÜV | 195 | 210 | |
| CR 30 84 V - Y | V 30 84 - Y | 40.0 | 32.1 | 35.3 | 37.3 | 37.7 | TÜV | 220 | 235 | |
| CR 25 106 Z - Y | Z 25 106 - Y | 40.0 | 32.1 | 35.3 | 37.3 | 37.7 | TÜV | 253 | 283 | |
| CR 35 106 Z - Y | Z 35 106 - Y | 60.0 | 48.1 | 52.9 | 55.9 | 56.6 | TÜV | 267 | 297 | |
| CR 30 126 Z - Y | Z 30 126 - Y | 40.0 | 32.1 | 35.3 | 37.3 | 37.7 | TÜV | 262 | 292 | |
| CR 40 126 Z - Y | Z 40 126 - Y | 60.0 | 48.1 | 52.9 | 55.9 | 56.6 | TÜV | 284 | 314 | |
| CR 40 154 Z - Y | Z 40 154 - Y | 40.0 | 32.1 | 35.3 | 37.3 | 37.7 | TÜV | 273 | 303 | |

① ricevitore riempito al 80% con refrigerante liquido a +32°C
receiver filled to 80% with liquid refrigerant at +32°C
à +32°C température de liquide et 80% contenance du réservoir
bei +32°C Flüssigkeitstemperatur und 80% Behälterinhalt

Dimensioni di ingombro

Dimensional drawing

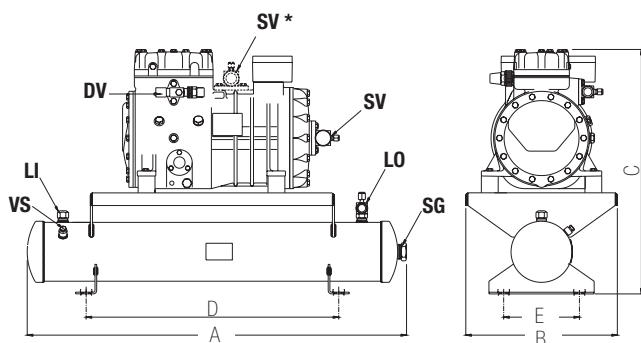
Plans cotés

Mass Zeichnungen

| Gruppo di compressione Compressor/receiver Groupe de compression Verbundanlage | Compressore Compressor Compresseur Verdichter | | | | Ricevitore di liquido Liquid receiver Réservoir de liquide Flüssigkeitssammler | | | Unità di compressione Compressor/receiver group Groupe de compression Verbundanlage | | | | | Disegno Drawing Plan Zeichn. ① |
|---|--|---------|---|---------|---|--|---------|--|---|--------------------------------------|---|---------|--|
| | Rubinetto aspirazione Suction valve Vanne d'aspiration Saugventil | | Rubinetto compressione Discharge valve Vanne refoulement Druckventil | | Ingresso Inlet Entrée Eintritt | Uscita Outlet Sortie Austritt | | Lunghezza Length Longueur Länge | Larghezza Width Largeur Breite | Altezza Height Hauteur Höhe | Interassi di fissaggio Base mounting Trous fixation Befestigungslöcher | | |
| | Ø " | Ø mm | Ø " | Ø mm | Ø UNF | Ø " | Ø mm | A mm | B mm | C mm | D mm | E mm | |
| CR 2 11 D - Y | 7/8 | 22.2 | 5/8 | 15.8 | 1"-14 | 5/8 | 15.8 | 670 | 330 | 565 | 400 | 180 | 1 |
| CR 2 13 D - Y | 7/8 | 22.2 | 5/8 | 15.8 | 1"-14 | 1/2 | 12.7 | 670 | 330 | 565 | 400 | 180 | 1 |
| CR 3 13 D - Y | 1 1/8 | 28.6 | 5/8 | 15.8 | 1"-14 | 5/8 | 15.8 | 670 | 330 | 565 | 400 | 180 | 1 |
| CR 4 16 D - Y | 1 1/8 | 28.6 | 3/4 | 19.0 | 1"-14 | 5/8 | 15.8 | 670 | 330 | 565 | 400 | 180 | 1 |
| CR 3 18 D - Y | 1 1/8 | 28.6 | 5/8 | 15.8 | 1"-14 | 5/8 | 15.8 | 670 | 330 | 565 | 400 | 180 | 1 |
| CR 5 19 F - Y | 1 1/8 | 28.6 | 3/4 | 19.0 | 1 1/4"-12 | 3/4 | 19.0 | 1000 | 360 | 600 | 700 | 210 | 1 |
| CR 4 24 F - Y | 1 1/8 | 28.6 | 3/4 | 19.0 | 1"-14 | 5/8 | 15.8 | 900 | 360 | 580 | 600 | 180 | 1 |
| CR 5 25 Q - Y | 1 1/8 | 28.6 | 7/8 | 22.2 | 1"-14 | 5/8 | 15.8 | 900 | 360 | 580 | 600 | 180 | 2 |
| CR 5 33 Q - Y | 1 3/8 | 35.0 | 1 1/8 | 28.6 | 1 1/4"-12 | 7/8 | 22.2 | 1000 | 405 | 660 | 700 | 210 | 2 |
| CR 7 33 Q - Y | 1 3/8 | 35.0 | 1 1/8 | 28.6 | 1 1/4"-12 | 7/8 | 22.2 | 970 | 405 | 685 | 700 | 230 | 2 |
| CR 7 39 S - Y | 1 3/8 | 35.0 | 1 1/8 | 28.6 | 1 1/4"-12 | 3/4 | 19.0 | 1000 | 405 | 660 | 700 | 210 | 2 |
| CR 10 39 S - Y | 1 3/8 | 35.0 | 1 1/8 | 28.6 | 1 1/4"-12 | 7/8 | 22.2 | 970 | 405 | 685 | 700 | 230 | 2 |
| CR 10 51 S - Y | 1 3/8 | 35.0 | 1 1/8 | 28.6 | 1 1/4"-12 | 7/8 | 22.2 | 970 | 405 | 685 | 700 | 230 | 2 |
| CR 15 51 S - Y | 1 5/8 | 42.0 | 1 1/8 | 28.6 | 1 1/4"-12 | 7/8 | 22.2 | 970 | 405 | 685 | 700 | 230 | 2 |
| CR 20 56 S - Y | 1 5/8 | 42.0 | 1 1/8 | 28.6 | 1 1/4"-12 | 7/8 | 22.2 | 970 | 405 | 685 | 700 | 230 | 2 |
| CR 15 71 V - Y | 1 5/8 | 42.0 | 1 1/8 | 28.6 | 1 3/4"-12 | 1 1/8 | 28.6 | 970 | 465 | 792 | 700 | 260 | 3 |
| CR 20 84 V - Y | 1 5/8 | 42.0 | 1 1/8 | 28.6 | 1 3/4"-12 | 1 1/8 | 28.6 | 970 | 465 | 792 | 700 | 260 | 3 |
| CR 30 84 V - Y | 2 1/8 | 54.0 | 1 3/8 | 35.0 | 1 3/4"-12 | 1 1/8 | 28.6 | 1200 | 465 | 810 | 700 | 260 | 3 |
| CR 25 106 Z - Y | 2 1/8 | 54.0 | 1 3/8 | 35.0 | 1 3/4"-12 | 1 1/8 | 28.6 | 1200 | 512 | 747 | 700 | 260 | 4 |
| CR 35 106 Z - Y | 2 1/8 | 54.0 | 1 3/8 | 35.0 | 1 3/4"-12 | 1 1/8 | 28.6 | 1170 | 512 | 801 | 700 | 310 | 4 |
| CR 30 126 Z - Y | 2 1/8 | 54.0 | 1 3/8 | 35.0 | 1 3/4"-12 | 1 1/8 | 28.6 | 1200 | 512 | 823 | 700 | 260 | 4 |
| CR 40 126 Z - Y | 2 5/8 | 67.0 | 1 5/8 | 42.0 | 1 3/4"-12 | 1 1/8 | 28.6 | 1170 | 512 | 877 | 700 | 310 | 4 |
| CR 40 154 Z - Y | 2 5/8 | 67.0 | 1 5/8 | 42.0 | 1 3/4"-12 | 1 1/8 | 28.6 | 1200 | 512 | 823 | 700 | 260 | 4 |

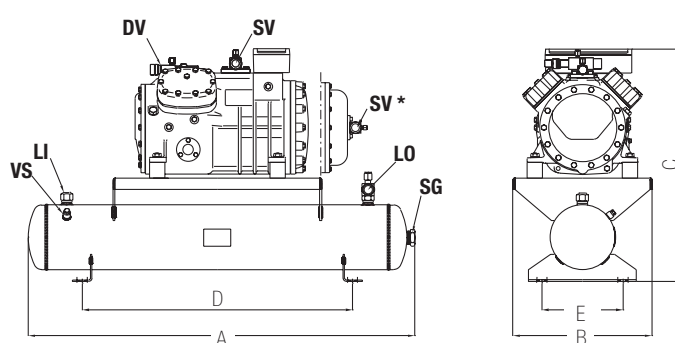
① disegni da pagina 16 a 17
drawings from page 16 to 17
plans de page 16 à 17
Zeichnungen von Seite 16 bis 17

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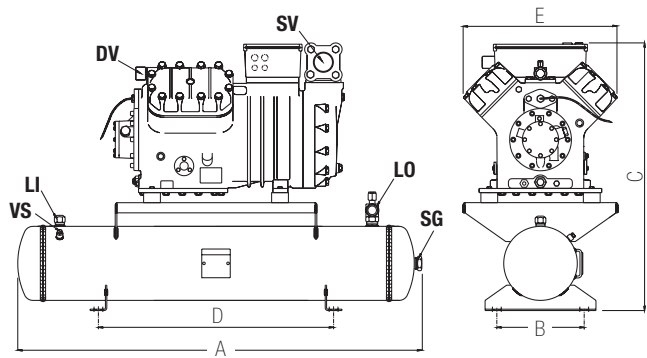
* posizione del rubinetto di aspirazione per il modello CR 4 24 F-Y
suction valve location for model CR 4 24 F-Y
position de la vanne d'aspiration pour le modèle CR 4 24 F-Y
Stellung des Saugventiles für das Modell CR 4 24 F-Y

Disegno Drawing
Plan Zeichnung **1**

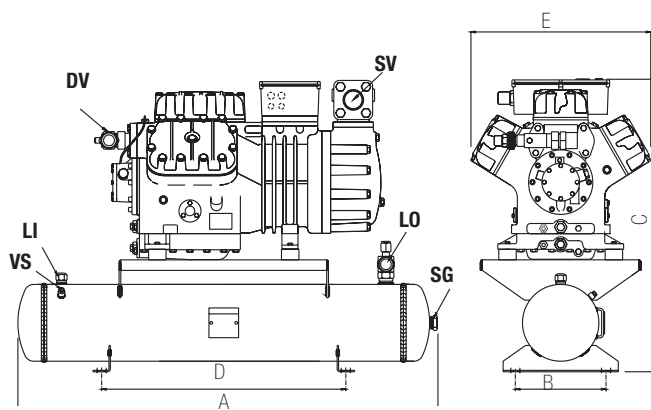


* posizione del rubinetto di aspirazione per i modelli:
suction valve location for models:
position de la vanne d'aspiration pour les modèles:
Stellung des Saugventiles für die Modelle:
CR 7 39 S-Y, CR 10 39 S-Y, CR 10 51 S-Y, CR 15 51 S-Y, CR 20 56 S-Y

Disegno Drawing
Plan Zeichnung **2**



Disegno Drawing **3**
Plan Zeichnung



Disegno Drawing **4**
Plan Zeichnung

Legenda

- DV** rubinetto di compressione
- LI** attacco ingresso liquido
- LO** rubinetto uscita liquido
- SG** spia livello liquido
- SV** rubinetto di aspirazione
- VS** tappo per valvola di sicurezza

Legend

- discharge valve
- inlet liquid connection
- outlet liquid valve
- liquid sight glass
- suction valve
- safety valve plug

Légende

- vanne de refoulement
- entrée du liquide
- sortie du liquide
- voyant de niveau
- vanne d'aspiration
- bouchon pour vanne de sûreté

Legende

- Druckventil
- Kältemittel-Eintritt
- Kältemittel-Austritt
- Schauglas
- Saugventil
- Stopfen Sicherheitsventil

FTEC09-04

