

08.2

SEMICOMPACTOS CO SPLIT SYSTEMS

PAG 96



INTARSPLIT

- Diseño tropicalizado para temperatura ambiente de 45 °C.
- Válvula de expansión termostática.
- Versión con condensación centrífuga.

- Tropicalized design for ambient temperature up to 45 °C
- Thermostatic expansion valve
- Centrifugal version for a ducted outlet of condenser hot air

COMERCIALES



SIGILUS

- Diseño tropicalizado para temperatura ambiente de 50 °C.
- Unidad condensadora silenciosa con ventiladores de baja velocidad.
- Válvula de expansión termostática.

- Tropicalized design for high ambient temperature up to 50°C
- Low noise condensing units with low speed fans
- Thermostatic expansion valve

INTARSPLIT



DESCRIPCIÓN

Equipos semicompactos para cámaras frigoríficas de pequeño y mediano tamaño, formados por una unidad condensadora horizontal y una unidad evaporadora de bajo perfil, doble flujo o de tipo cúbico.

- Alimentación 230V-I-50Hz ó 400V-III-50Hz.
- Carga de refrigerante R-404A / R-134a reducida.
- Compresor hermético alternativo [con aislamiento acústico en modelos trifásicos].
- Presostatos de alta y baja presión.
- Recipiente de líquido.
- Precarga de refrigerante hasta 15 metros de tubería.
- Expansión por válvula termostática.
- Desescarche por resistencia eléctrica [excepto serie ASH].
- Bandeja de condensados en acero inoxidable.
- Conexión de tipo Flare con válvulas de servicio hasta 3/8"-3/4".
- Interconexión eléctrica de 10 metros incluida [excepto serie 4/43/44].
- Protección magnetotérmica de motores.
- Regulación electrónica multifunción con mando a distancia y control de condensación digital.

DESCRIPTION

Split systems for small and medium size cold rooms at positive and negative temperature, composed by a condensing unit in horizontal construction and a slim-type, cubic-type or double-flow evaporating unit.

- 230V-I-50Hz or 400V-III-50Hz power supply
- Minimal R-404A or R-134a refrigerant load
- Hermetic reciprocating compressor [noise insulation in 3-phases models]
- High and low pressure switches
- Liquid receiver
- Refrigerant preload for 15 m piping
- Thermostatic expansion valve
- Electrical heater defrosting
- Stainless steel drain tray
- Flare-type cooling connections with service valves
- 10 metres electrical wiring included [except for series 4/43/44]
- MCB protection
- Multifunctional electronic control with remote keyboard and digital regulation of condensing pressure.

SERIE SH-N

Unidad condensadora axial y unidad evaporadora de bajo perfil. Split systems with axial or centrifugal condensing unit and slim-type evaporating unit.

SERIE SH-Q

Unidad condensadora axial y unidad evaporadora de tipo cúbico. / Split systems with axial or centrifugal condensing unit and cubic evaporating unit.

SERIE SH-C

Unidad condensadora centrífuga y unidad evaporadora de bajo perfil. / Split systems with axial or centrifugal condensing unit and double-flow evaporating unit.

SERIE SH-CQ

Unidad condensadora centrífuga y unidad evaporadora de tipo cúbico.

SERIE SH-D

Unidad condensadora axial y unidad evaporadora de doble flujo.

SERIE SH-CD

Unidad condensadora centrífuga y unidad evaporadora de doble flujo.

CONTROLADOR ELECTRÓNICO

Los equipos Intarsplit incorporan de serie el avanzado controlador electrónico XWING.

- Mando multifunción de control digital a distancia.
- Control de temperatura con registro de temperaturas máxima y mínima.
- Función de enfriamiento rápido y modo nocturno.

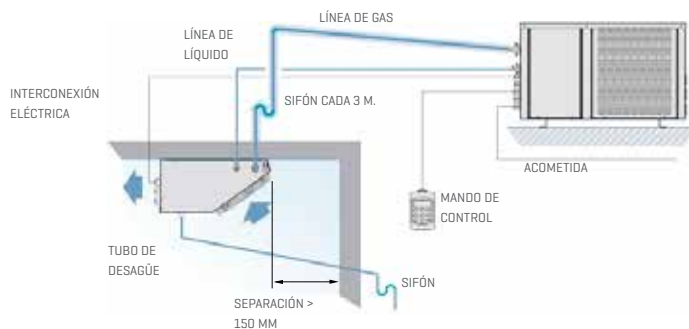
CONTROL PAD

Intarsplit systems feature an XWING electronic control as standard.

- Remote control keyboard with digital display
- Temperature control with maximum and minimum temperature value recording
- Fast-freezing function and night operation mode



ESQUEMA DE INSTALACIÓN INSTALLATION SCHEME



Distancia vertical máxima entre unidades de 15 m en caso de que la unidad condensadora esté situada a mayor altura que la unidad evaporadora, y de 6 m en caso contrario. Pendiente mínima del tubo de desagüe del 20% para modelos de baja temperatura. / Maximum vertical distance between units of 15 metres in case the condensing unit is placed in a higher level than the evaporating unit, and 6 metres otherwise. 20% minimum inclination of draining pipe for negative temperature models.

OPCIONALES

- Otros refrigerantes.
- Cambio a alimentación 400 V-III-50 Hz. [4]
- Resistencia de cárter.
- Control de condensación proporcional
- versión axial [N]: series 3/33 y 4/43/44
- versión centrífuga [C]: series 4/43/44
- Ventiladores electrónicos en el evaporador.

AS AN OPTION

- R-407A refrigerant
- Change to 400 V-III-50 Hz power supply [2]
- Crankcase heater
- Proportional control of condensing pressure [axial - version series 3/33 and 4/43/44; centrifugal version - series 4/43/44]
- Evaporating unit EC fans

[1] Las prestaciones nominales están referidas al funcionamiento con temperatura de cámara de 0°C [MT] y -20°C [BT], y temperatura exterior de 35°C. Volumen de cámara estimado según condiciones de las bases de cálculo [pág. IV]. [2] Nivel sonoro referido a nivel de presión acústica en dB(A), medido en campo abierto a 10 m de distancia de la fuente. [3] Presión estática disponible en conductos de expulsión. [4] Unidades disponibles en tensión 400V - III - 50Hz.

[1] Nominal technical features are related to 0 °C [PT] and -20 °C [NT] cold room temperature and 35 °C ambient temperature. Cold room size estimated according to calculation basis [page IV]. [2] SPL: Sound pressure level shown in dB(A) on open field at 10 m. from the source. [3] Available static pressure in extraction ducts. [4] Units available in 400V - III - 50Hz power supply.

SEMICOMPACTOS AXIALES/CENTRÍFUGOS

TEMPERATURA POSITIVA

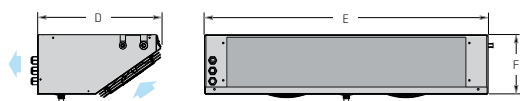
SERIES MSH / BSH

| VERSIÓN AXIAL | COMPRESOR | | POTENCIA FRIGORÍFICA / VOLUMEN CÁMARA, SEGÚN TEMPERATURA DE CÁMARA (3) | | | | | | POTENCIA ABSORB. NOMINAL [kW] | INTENS. MÁXIMA ABSORB. [A] | CAUDAL. EVAP. (m³/h) | CAUDAL. COND. (m³/h) | CONEXIÓN FRIGORÍFICA LIQ - GAS | CARGA REFRIG. [kg] | PESO [kg] | NIVEL PRESIÓN SONORA dB(A)(3) | PVP (€) AXIAL | VERSIÓN CENTRÍFUGA | | |
|---------------|-----------|--------------|--|-----|------|-----|-------|-----|-------------------------------|----------------------------|----------------------|----------------------|--------------------------------|--------------------|-----------|-------------------------------|---------------|----------------------------|-------------------|------------------|
| | | | 0 °C | | 5 °C | | 10 °C | | | | | | | | | | | SERIE / MODELO CENTRÍFUGOS | P.E.D. (3) [mmca] | PVP (€) CENTRIF. |
| | | | W | m³ | W | m³ | W | m³ | | | | | | | | | | | | |
| MSH-NY-00 010 | 3/8 | 230V - I | 643 | 5,1 | 788 | 8,5 | 945 | 13 | 0,46 | 4,6 | 300 | 375 | 1/4"-3/8" | < 2,5 | 37+12 | 31 | MSH-CY-00 010 | 12 | | |
| MSH-NY-00 015 | 1/2 | 230V - I | 832 | 7,2 | 1010 | 10 | 1193 | 19 | 0,56 | 5,6 | 300 | 375 | 1/4"-3/8" | < 2,5 | 40+12 | 29 | MSH-CY-00 015 | 12 | | |
| MSH-NY-11 015 | 1/2 | 230V - I | 988 | 8,2 | 1220 | 12 | 1474 | 23 | 0,58 | 5,6 | 475 | 575 | 1/4"-1/2" | < 2,5 | 41+16 | 30 | MSH-CY-11 015 | 12 | | |
| MSH-NY-11 026 | 3/4 | 230V - I | 1250 | 12 | 1533 | 18 | 1827 | 30 | 0,82 | 9,3 | 475 | 575 | 1/4"-1/2" | < 2,5 | 48+16 | 34 | MSH-CY-11 026 | 12 | | |
| MSH-NY-11 033 | 1 | 230V - I | 1481 | 16 | 1790 | 24 | 2116 | 41 | 0,93 | 9,5 | 475 | 575 | 1/4"-1/2" | < 2,5 | 50+16 | 34 | MSH-CY-11 033 | 12 | | |
| MSH-NY-22 033 | 1 | 230V - I | 1922 | 23 | 2368 | 36 | 2846 | 60 | 1,06 | 10,0 | 950 | 1150 | 1/4"-5/8" | < 2,5 | 53+24 | 35 | MSH-CY-22 033 | 12 | | |
| MSH-NY-22 053 | 1 1/2 | 230V - I (4) | 2363 | 31 | 2882 | 48 | 3455 | 73 | 1,45 | 12,6 | 950 | 1150 | 1/4"-5/8" | < 2,5 | 63+24 | 39 | MSH-CY-22 053 | 12 | | |
| MSH-NY-33 053 | 1 1/2 | 230V - I (4) | 2688 | 40 | 3318 | 63 | 4069 | 100 | 1,55 | 13,2 | 1500 | 1500 | 1/4"-3/4" | < 10,0 | 82+45 | 39 | MSH-CY-33 053 | 12 | | |
| MSH-NY-33 074 | 2 | 230V - I (4) | 3518 | 47 | 4347 | 71 | 5198 | 110 | 1,93 | 17,2 | 1500 | 1500 | 1/4"-3/4" | < 10,0 | 84+45 | 39 | MSH-CY-33 074 | 12 | | |
| MSH-NY-43 086 | 4 | 400V - III | 4379 | 66 | 5366 | 100 | 6421 | 165 | 2,39 | 14,9 | 1500 | 3500 | 3/8"-7/8" | < 10,0 | 107+55 | 49 | MSH-CY-43 086 | 10 | | |
| MSH-NY-44 108 | 5 | 400V - III | 5628 | 88 | 6888 | 140 | 8274 | 220 | 3,05 | 19,2 | 2800 | 3500 | 3/8"-7/8" | < 10,0 | 109+55 | 50 | MSH-CY-44 108 | 10 | | |
| MSH-NY-44 136 | 6 1/2 | 400V - III | 6862 | 115 | 8311 | 170 | 9881 | 260 | 3,77 | 23,2 | 2800 | 3500 | 3/8"-1 1/8" | < 10,0 | 112+55 | 50 | MSH-CY-44 136 | 10 | | |
| MSH-NF-0 008 | 1/3 | 230V - I | 729 | 5,1 | 837 | 8,5 | 1008 | 13 | 0,48 | 5,1 | 300 | 375 | 1/4"-3/8" | < 2,5 | 38+12 | 32 | MSH-CF-0 008 | 12 | | |
| MSH-NF-0 010 | 3/8 | 230V - I | 858 | 6,1 | 1012 | 10 | 1155 | 15 | 0,59 | 4,8 | 300 | 375 | 1/4"-3/8" | < 2,5 | 40+12 | 30 | MSH-CF-0 010 | 12 | | |
| MSH-NF-0 012 | 1/2 | 230V - I | 940 | 7,2 | 1091 | 12 | 1240 | 19 | 0,67 | 5,6 | 300 | 375 | 1/4"-3/8" | < 2,5 | 41+12 | 32 | MSH-CF-0 012 | 12 | | |
| MSH-NF-1 014 | 1/2 | 230V - I | 1061 | 10 | 1262 | 16 | 1465 | 26 | 0,81 | 6,7 | 475 | 575 | 1/4"-1/2" | < 2,5 | 44+16 | 32 | MSH-CF-1 014 | 12 | | |
| MSH-NF-1 016 | 5/8 | 230V - I | 1166 | 12 | 1370 | 18 | 1593 | 30 | 0,87 | 7,6 | 475 | 575 | 1/4"-1/2" | < 2,5 | 53+16 | 34 | MSH-CF-1 016 | 12 | | |
| MSH-NF-1 018 | 3/4 | 230V - I | 1345 | 14 | 1543 | 22 | 1828 | 35 | 1,03 | 8,9 | 475 | 575 | 1/4"-1/2" | < 2,5 | 54+16 | 35 | MSH-CF-1 018 | 12 | | |
| MSH-NF-1 024 | 1 | 230V - I | 1457 | 16 | 1692 | 24 | 2062 | 41 | 1,04 | 11,1 | 475 | 575 | 1/4"-1/2" | < 2,5 | 54+16 | 35 | MSH-CF-1 024 | 12 | | |
| MSH-NF-2 024 | 1 | 230V - I | 1942 | 23 | 2290 | 36 | 2803 | 60 | 1,30 | 11,6 | 950 | 1150 | 3/8"-5/8" | < 2,5 | 65+24 | 36 | MSH-CF-2 024 | 12 | | |
| MSH-NF-2 026 | 1 1/4 | 230V - I (4) | 2144 | 26 | 2558 | 41 | 2983 | 64 | 1,40 | 12,0 | 950 | 1150 | 3/8"-5/8" | < 2,5 | 66+24 | 38 | MSH-CF-2 026 | 12 | | |
| MSH-NF-2 034 | 1 1/2 | 230V - I (4) | 2434 | 31 | 2885 | 48 | 3303 | 73 | 1,87 | 16,6 | 950 | 1150 | 3/8"-5/8" | < 2,5 | 66+24 | 40 | MSH-CF-2 034 | 12 | | |
| MSH-NF-3 034 | 1 1/2 | 230V - I (4) | 2980 | 40 | 3670 | 63 | 4370 | 100 | 1,72 | 17 | 1500 | 1500 | 3/8"-5/8" | < 10,0 | 74+45 | 39 | MSH-CF-3 034 | 12 | | |
| MSH-NF-3 038 | 1 3/4 | 400V - III | 3360 | 47 | 4000 | 71 | 4720 | 110 | 1,59 | 7,8 | 1500 | 1500 | 3/8"-5/8" | < 10,0 | 71+45 | 40 | MSH-CF-3 038 | 12 | | |
| MSH-NF-4 048 | 2 | 400V - III | 4390 | 66 | 5220 | 98 | 6170 | 155 | 2,69 | 10,5 | 1500 | 3500 | 3/8"-3/4" | < 10,0 | 95+45 | 41 | MSH-CF-4 048 | 10 | | |
| MSH-NF-4 054 | 2 1/4 | 400V - III | 4830 | 74 | 5730 | 110 | 6760 | 170 | 2,89 | 11 | 1500 | 3500 | 3/8"-3/4" | < 10,0 | 96+45 | 41 | MSH-CF-4 054 | 10 | | |

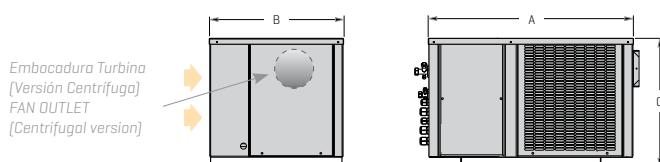
TEMPERATURA NEGATIVA

| VERSIÓN AXIAL | COMPRESOR | | POTENCIA FRIGORÍFICA / VOLUMEN CÁMARA, SEGÚN TEMPERATURA DE CÁMARA (3) | | | | | | POTENCIA ABSORB. NOMINAL [kW] | INTENS. MÁXIMA ABSORB. [A] | CAUDAL. EVAP. (m³/h) | CAUDAL. COND. (m³/h) | CONEXIÓN FRIGORÍFICA LIQ - GAS | CARGA REFRIG. [kg] | PESO [kg] | NIVEL PRESIÓN SONORA dB(A)(3) | PVP (€) AXIAL | VERSIÓN CENTRÍFUGA | | |
|---------------|-----------|--------------|--|-----|--------|-----|--------|-----|-------------------------------|----------------------------|----------------------|----------------------|--------------------------------|--------------------|-----------|-------------------------------|---------------|----------------------------|-------------------|------------------|
| | | | -25 °C | | -20 °C | | -15 °C | | | | | | | | | | | SERIE / MODELO CENTRÍFUGOS | P.E.D. (3) [mmca] | PVP (€) CENTRIF. |
| | | | W | m³ | W | m³ | W | m³ | | | | | | | | | | | | |
| BSH-NF-0 018 | 5/8 | 230V - I | 431 | 0,9 | 527 | 1,8 | 653 | 3,9 | 0,64 | 4,8 | 300 | 375 | 1/4"-1/2" | < 2,5 | 41+12 | 33 | BSH-CF-0 018 | 12 | | |
| BSH-NF-1 026 | 3/4 | 230V - I | 545 | 2,1 | 712 | 4,2 | 856 | 7,3 | 0,91 | 8,7 | 550 | 575 | 1/4"-1/2" | < 2,5 | 55+16 | 38 | BSH-CF-1 026 | 12 | | |
| BSH-NF-1 034 | 1 1/4 | 230V - I | 651 | 3,0 | 849 | 5,9 | 1021 | 10 | 1,14 | 11,2 | 550 | 575 | 1/4"-1/2" | < 2,5 | 56+16 | 40 | BSH-CF-1 034 | 12 | | |
| BSH-NF-2 034 | 1 1/4 | 230V - I | 815 | 4,0 | 1070 | 8,0 | 1310 | 14 | 1,28 | 11,5 | 1050 | 1150 | 3/8"-5/8" | < 2,5 | 66+24 | 41 | BSH-CF-2 034 | 12 | | |
| BSH-NF-2 054 | 1 3/4 | 230V - I (4) | 1031 | 6,4 | 1390 | 13 | 1705 | 22 | 1,78 | 17,5 | 1050 | 1150 | 3/8"-5/8" | < 2,5 | 79+24 | 42 | BSH-CF-2 054 | 12 | | |
| BSH-NF-2 074 | 2 1/2 | 230V - I (4) | 1315 | 10 | 1657 | 17 | 1985 | 29 | 2,12 | 25,5 | 1050 | 1150 | 3/8"-5/8" | < 2,5 | 79+24 | 43 | BSH-CF-2 074 | 12 | | |
| BSH-NF-3 074 | 2 1/2 | 230V - I (4) | 1725 | 15 | 2130 | 25 | 2580 | 41 | 2,08 | 26,3 | 2325 | 1500 | 3/8"-5/8" | < 10,0 | 87+45 | 43 | BSH-CF-3 074 | 12 | | |
| BSH-NF-3 086 | 3 | 400V - III | 1970 | 19 | 2520 | 32 | 2980 | 52 | 2,04 | 9,4 | 2325 | 1500 | 3/8"-5/8" | < 10,0 | 87+45 | 40 | BSH-CF-3 086 | 12 | | |
| BSH-NF-3 096 | 3 1/2 | 400V - III | 2200 | 23 | 2720 | 37 | 3330 | 62 | 2,35 | 12,4 | 2325 | 1500 | 3/8"-3/4" | < 10,0 | 85+45 | 50 | BSH-CF-3 096 | 12 | | |
| BSH-NF-4 108 | 4 1/4 | 400V - III | 2795 | 34 | 3580 | 55 | 4430 | 94 | 3,41 | 15,5 | 2325 | 3500 | 3/8"-7/8" | < 10,0 | 107+45 | 51 | BSH-CF-4 108 | 10 | | |
| BSH-NF-4 136 | 5 | 400V - III | 3220 | 42 | 4060 | 67 | 4980 | 110 | 4,76 | 17,4 | 2325 | 3500 | 3/8"-7/8" | < 10,0 | 107+45 | 46 | BSH-CF-4 136 | 10 | | |

DIMENSIONES EVAPORADOR DIMENSIONS



DIMENSIONES CONDENSADOR DIMENSIONS



| Dimensiones (mm) | A | B | C | D | E | F | Ventiladores evaporador | Embocadura turbina |
|------------------|------|-----|-----|-----|------|-----|-------------------------|--------------------|
| series 0 y 00 | 600 | 395 | 355 | 407 | 520 | 150 | 1x Ø 172 | Ø 150 |
| series 1 y 11 | 665 | 435 | 416 | 418 | 600 | 200 | 1x Ø 200 | Ø 150 |
| series 2 y 22 | 835 | 435 | 500 | 418 | 950 | 200 | 2x Ø 200 | Ø 150 |
| series 3 y 33 | 925 | 580 | 515 | 492 | 1650 | 200 | 3x Ø 254 | 236 x 266 |
| series 4 y 43 | 1000 | 615 | 585 | 492 | 1650 | 200 | 3x Ø 254 | 305 x 266 |
| serie 44 | 1000 | 615 | 585 | 522 | 1980 | 250 | 4x Ø 300 | 305 x 266 |

SERIES MSH / BSH

TEMPERATURA POSITIVA

| SERIE / MODELO AXIALES | COMPRESOR | | POTENCIA FRIGORÍFICA / VOLUMEN CÁMARA, SEGÚN TEMPERATURA DE CÁMARA (1) | | | | | | POTENCIA ABSORB. NOMINAL [kW] | INTENS. MÁXIMA ABSORB. [A] | CAUDAL EVAP. [m³/h] | CAUDAL COND. [m³/h] | CONEXIÓN FRIGORÍFICA LIQ - GAS | CARGA REFRIG. [kg] | PESO [kg] | NIVEL PRESIÓN SONORA dB(A) (2) | PVP [€] AXIAL | VERSIÓN CENTRÍFUGA | | |
|------------------------|---------------|---------|--|--------|------|-------|-------|-------|-------------------------------|----------------------------|---------------------|---------------------|--------------------------------|--------------------|-----------|--------------------------------|---------------|----------------------------|-------------------|------------------|
| | CV | TENSIÓN | 0 °C | | 5 °C | | 10 °C | | | | | | | | | | | SERIE / MODELO CENTRÍFUGOS | P.E.D. (3) [mmca] | PVP [€] CENTRIF. |
| | | | W | m³ | W | m³ | W | m³ | | | | | | | | | | | | |
| R-134a | MSH-QY-30 068 | 3 1/2 | 400V - III | 3854 | 59 | 4646 | 54 | 5513 | 84 | 2,00 | 12,0 | 2000 | 1500 | 1/4"-3/4" | < 10,0 | 74+43 | 48 | MSH-CQY-30 068 | 12 | |
| | MSH-QY-40 086 | 4 | 400V - III | 4431 | 68 | 5418 | 63 | 6500 | 100 | 2,35 | 14,3 | 2000 | 3500 | 3/8"-7/8" | < 10,0 | 107+43 | 49 | MSH-CQY-40 086 | 10 | |
| | MSH-QY-41 108 | 5 | 400V - III | 5324 | 80 | 6500 | 71 | 7775 | 110 | 2,77 | 17,3 | 2150 | 3500 | 3/8"-7/8" | < 10,0 | 109+56 | 50 | MSH-CQY-41 108 | 10 | |
| | MSH-QY-42 136 | 6 1/2 | 400V - III | 7235 | 110 | 8773 | 180 | 10474 | 280 | 3,85 | 22,0 | 4000 | 3500 | 3/8"-1 1/8" | < 10,0 | 112+72 | 50 | MSH-CQY-42 136 | 10 | |
| R-407A | MSH-QF-30 034 | 1 1/2 | 230V - I (4) | 3287 | 39 | 3911 | 62 | 4610 | 99 | 1,65 | 16,3 | 2000 | 1500 | 3/8"-5/8" | < 10,0 | 74+43 | 39 | MSH-CQF-30 034 | 12 | |
| | MSH-QF-30 038 | 1 3/4 | 400V - III | 3539 | 46 | 4200 | 70 | 4930 | 110 | 1,86 | 7,1 | 2000 | 1500 | 3/8"-5/8" | < 10,0 | 71+43 | 40 | MSH-CQF-30 038 | 12 | |
| | MSH-QF-40 048 | 2 | 400V - III | 4652 | 67 | 5555 | 99 | 6547 | 159 | 2,52 | 9,8 | 2000 | 3500 | 3/8"-3/4" | < 10,0 | 95+43 | 41 | MSH-CQF-40 048 | 10 | |
| | MSH-QF-40 054 | 2 1/4 | 400V - III | 5093 | 76 | 6064 | 113 | 7124 | 178 | 2,72 | 10,3 | 2000 | 3500 | 3/8"-3/4" | < 10,0 | 96+43 | 41 | MSH-CQF-40 054 | 10 | |
| | MSH-QF-41 060 | 3 | 400V - III | 5892 | 86 | 6993 | 128 | 8174 | 198 | 3,19 | 11,3 | 2125 | 3500 | 1/2"-3/4" | < 10,0 | 97+56 | 38 | MSH-CQF-41 060 | 10 | |
| | MSH-QF-41 068 | 3 1/2 | 400V - III | 6363 | 113 | 7534 | 163 | 8778 | 253 | 3,58 | 12,3 | 2125 | 3500 | 1/2"-3/4" | < 10,0 | 98+56 | 39 | MSH-CQF-41 068 | 10 | |
| | MSH-QF-52086 | 4 | 400 V - III | 7850 | 125 | 9120 | 185 | 11500 | 315 | 4,70 | 15,0 | 4150 | 3.600 | 1/2"-7/8" | < 10,0 | 135+72 | 49 | MSH-CQF-52 086 | 10 | |
| | MSH-QF-52108 | 5 | 400 V - III | 9150 | 160 | 10600 | 220 | 13200 | 375 | 6,70 | 18,0 | 4150 | 3.600 | 1/2"-7/8" | < 10,0 | 157+72 | 47 | MSH-CQF-52 108 | 10 | |
| | MSH-QF-53136 | 6,5 | 400 V - III | 10 700 | 190 | 12200 | 260 | 15100 | 430 | 8,50 | 21,0 | 6200 | 3.600 | 1/2"-1 1/8" | < 10,0 | 140+94 | 46 | MSH-CQF-53 136 | 10 | |

TEMPERATURA NEGATIVA

| SERIE / MODELO AXIALES | COMPRESOR | | POTENCIA FRIGORÍFICA / VOLUMEN CÁMARA, SEGÚN TEMPERATURA DE CÁMARA (1) | | | | | | POTENCIA ABSORB. NOMINAL [kW] | INTENS. MÁXIMA ABSORB. [A] | CAUDAL EVAP. [m³/h] | CAUDAL COND. [m³/h] | CONEXIÓN FRIGORÍFICA LIQ - GAS | CARGA REFRIG. [kg] | PESO [kg] | NIVEL PRESIÓN SONORA dB(A) (2) | PVP [€] AXIAL | VERSIÓN CENTRÍFUGA | | |
|------------------------|---------------|---------|--|------|--------|------|--------|-------|-------------------------------|----------------------------|---------------------|---------------------|--------------------------------|--------------------|-----------|--------------------------------|---------------|---------------------------|-------------------|------------------|
| | CV | TENSIÓN | -25 °C | | -20 °C | | -15 °C | | | | | | | | | | | SERIE/ MODELO CENTRÍFUGOS | P.E.D. (3) [mmca] | PVP [€] CENTRIF. |
| | | | W | m³ | W | m³ | W | m³ | | | | | | | | | | | | |
| R-407A | BSH-QF-30 074 | 2 1/2 | 230V - I (4) | 1890 | 15 | 2510 | 25 | 3150 | 41 | 2,30 | 25,1 | 2000 | 1500 | 3/8"-5/8" | < 10,0 | 87+43 | 43 | BSH-CQF-30 074 | 12 | |
| | BSH-QF-30 086 | 3 | 400V - III | 2048 | 19 | 2672 | 32 | 3308 | 52 | 2,23 | 9,5 | 2000 | 1500 | 3/8"-5/8" | < 10,0 | 73+43 | 40 | BSH-CQF-30 086 | 12 | |
| | BSH-QF-30 096 | 3 1/2 | 400V - III | 2205 | 22 | 2888 | 36 | 3586 | 61 | 2,56 | 11,2 | 2000 | 1500 | 3/8"-3/4" | < 10,0 | 85+43 | 50 | BSH-CQF-30 096 | 12 | |
| | BSH-QF-41 108 | 4 1/4 | 400V - III | 2893 | 34 | 3791 | 58 | 4725 | 99 | 3,18 | 14,4 | 2125 | 3500 | 3/8"-7/8" | < 10,0 | 107+56 | 51 | BSH-CQF-41 108 | 10 | |
| | BSH-QF-42 136 | 5 | 400V - III | 3833 | 51 | 5061 | 85 | 6321 | 144 | 4,55 | 17,3 | 4000 | 3500 | 3/8"-7/8" | < 10,0 | 107+72 | 46 | BSH-CQF-42 136 | 10 | |
| | BSH-QF-53215 | 7,5 | 400 V - III | 5910 | 85 | 7300 | 120 | 8780 | 200 | 6,70 | 25,0 | 5200 | 3.600 | 1/2"-1 1/8" | < 10,0 | 166+89 | 49 | BSH-CQF-53 215 | 10 | |
| | BSH-QF-53271 | 10 | 400 V - III | 7420 | 125 | 8940 | 150 | 10600 | 220 | 8,50 | 30,0 | 6200 | 3.600 | 1/2"-1 1/8" | < 10,0 | 166+94 | 49 | BSH-CQF-53 271 | 10 | |

OPCIONALES

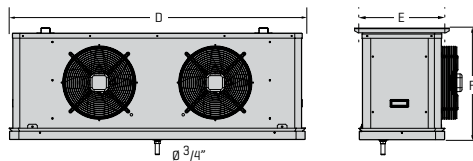
Otros refrigerantes.
 Cambio a alimentación 400 V-III-50 Hz. (4)
 Resistencia de cárter.
 Control de condensación proporcional
 versión axial (Q):
 versión centrífuga (CQ): series 40/41/42
 Ventiladores electrónicos en el evaporador

AS AN OPTIONS

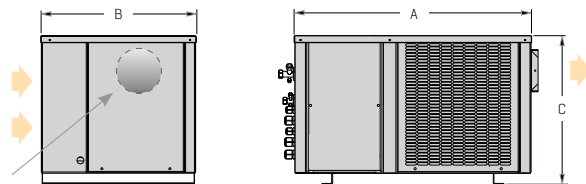
R-407A refrigerant
 Change to 400 V-III-50 Hz power supply (2)
 Crankcase heater
 Proportional control of condensing pressure
 (axial version; centrifugal version series 40/41/42)
 Evaporating unit EC fans

- (1) Las prestaciones nominales están referidas al funcionamiento con temperatura de cámara de 0°C [MT] y -20°C [BT], y temperatura exterior de 35°C. Volumen de cámara estimado según condiciones de las bases de cálculo [pág. IV].
- (2) Nivel sonoro referido a nivel de presión acústica en dB(A), medido en campo abierto a 10 m de distancia de la fuente.
- (3) Presión estática disponible en conductos de expulsión.
- (4) Unidades disponibles en tensión 400V - III - 50Hz.

DIMENSIONES EVAPORADOR DIMENSIONS

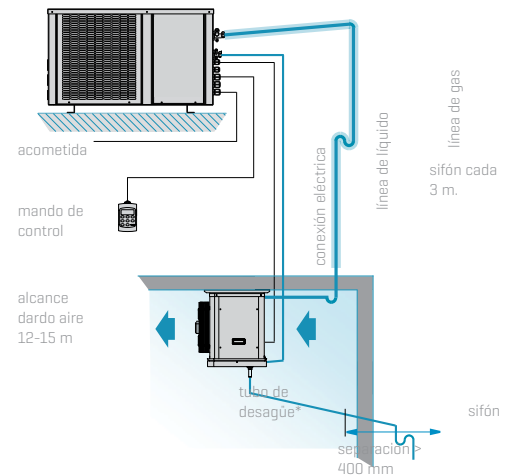


DIMENSIONES CONDENSADOR DIMENSIONS



Embocadura Turbina (Versión Centrífuga)
 FAN OUTLET
 (Centrifugal version)

DETALLE DE INSTALACIÓN



* Pendiente mínima del tubo de desagüe del 20% en modelos de baja temperatura.

CONDUCTOS DE EXTRACCIÓN DE AIRE

Dimensiones recomendadas para conductos de descarga en chapa, PVC, o panel de lana de vidrio, de 20 m de longitud (cada codo a 90° equivale a 5 m de longitud). Para conductos flexibles o semirrígidos se recomienda utilizar una dimensión mayor.

- serie 0: Ø 150 mm.
- serie 1: Ø 150 mm.
- serie 2: Ø 200 mm.
- serie 3: Ø 250 ó 200 x 300 mm.
- serie 4: Ø 400 ó 300 x 400 mm.

Para conductos flexibles o semirrígidos se recomienda utilizar una dimensión mayor.

| Dimensiones (mm) | A | B | C | D | E | F | Ventiladores evaporador | Embocadura turbina |
|------------------|------|-----|-----|------|-----|-----|-------------------------|--------------------|
| serie 30 | 925 | 580 | 515 | 882 | 465 | 575 | 1 x Ø 350 | 236 x 266 |
| serie 40 | 1000 | 615 | 585 | 882 | 465 | 575 | 1 x Ø 350 | 305 x 266 |
| serie 41 | 1000 | 615 | 585 | 1232 | 465 | 575 | 1 x Ø 350 | 305 x 266 |
| serie 42 | 1000 | 615 | 585 | 1534 | 465 | 575 | 2 x Ø 350 | 305 x 266 |

SEMICOMPACTOS AXIALES/CENTRÍFUGOS

ALTA TEMPERATURA

SERIES ASH

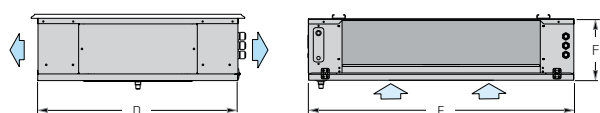
| SERIE / MODELO AXIALES | COMPRESOR | | POTENCIA FRIGORÍFICA / VOLUMEN CÁMARA, SEGÚN TEMPERATURA DE CÁMARA (1) | | | | | | POTENCIA INTENS. ABSORB. MÁXIMA NOMINAL ABSORB. (kW) (A) | | CAUDAL EVAP. (m³/h) | CAUDAL COND. (m³/h) | CONEXIÓN FRIGORÍFICA LIQ - GAS | CARGA REFRIG. (kg) | PESO (kg) | NIVEL PRESIÓN SONORA dBA (2) | PVP (€) AXIAL | VERSIÓN CENTRÍFUGA | |
|------------------------|-----------|--------------|--|-----|-------|-----|-------|-----|--|-------------------|---------------------|---------------------|--------------------------------|--------------------|-----------|------------------------------|---------------|--------------------|----|
| | CV | TENSIÓN | 9 °C | | 12 °C | | 15 °C | | SERIE / MODELO CENTRÍFUGOS | P.E.D. (3) (mmca) | | | | | | | | PVP (€) CENTRIF. | |
| ASH-DY-11 015 | 1/2 | 230V - I | 1555 | 14 | 1733 | 19 | 1928 | 26 | | | 0,75 | 5,9 | 1100 | 575 | 1/4"-1/2" | < 2,5 | 48+32 | | 27 |
| ASH-DY-11 026 | 3/4 | 230V - I | 1985 | 18 | 2221 | 24 | 2462 | 33 | 0,99 | 9,6 | 1100 | 575 | 1/4"-1/2" | < 2,5 | 51+32 | 33 | | ASH-CDY-11 026 | 12 |
| ASH-DY-11 033 | 1 | 230V - I | 2378 | 22 | 2636 | 29 | 2903 | 40 | 1,37 | 9,8 | 1100 | 575 | 1/4"-5/8" | < 2,5 | 51+32 | 34 | | ASH-CDY-11 033 | 12 |
| ASH-DY-22 033 | 1 | 230V - I | 2961 | 28 | 3329 | 38 | 3717 | 51 | 1,30 | 10,7 | 1800 | 1150 | 1/4"-5/8" | < 2,5 | 54+45 | 34 | | ASH-CDY-22 033 | 12 |
| ASH-DY-22 053 | 1 1/2 | 230V - I (4) | 3738 | 35 | 4169 | 48 | 4625 | 63 | 2,04 | 13,3 | 1800 | 1150 | 3/8"-3/4" | < 10,0 | 55+45 | 39 | | ASH-CDY-22 053 | 12 |
| ASH-DY-33 053 | 1 1/2 | 230V - I (4) | 4211 | 42 | 4709 | 56 | 5234 | 76 | 2,05 | 13,6 | 3150 | 1500 | 3/8"-3/4" | < 10,0 | 74+65 | 39 | | ASH-CDY-33 053 | 12 |
| ASH-DY-33 074 | 2 | 230V - I (4) | 5502 | 58 | 6148 | 77 | 6830 | 104 | 2,74 | 17,6 | 3150 | 1500 | 3/8"-3/4" | < 10,0 | 71+65 | 39 | | ASH-CDY-33 074 | 12 |
| ASH-DY-43 086 | 4 | 400V - III | 7124 | 74 | 8001 | 98 | 8915 | 131 | 3,16 | 15,4 | 3150 | 3500 | 3/8"-7/8" | < 10,0 | 107+65 | 41 | | ASH-CDY-43 086 | 10 |
| ASH-DY-43 108 | 5 | 400V - III | 8216 | 85 | 9177 | 111 | 10206 | 148 | 3,76 | 18,4 | 3150 | 3500 | 3/8"-7/8" | < 10,0 | 109+65 | 43 | | ASH-CDY-43 108 | 10 |
| ASH-DY-44 108 | 5 | 400V - III | 8873 | 92 | 9954 | 121 | 11062 | 160 | 4,08 | 18,4 | 5700 | 3500 | 3/8"-7/8" | < 10,0 | 112+70 | 43 | | ASH-CDY-44 108 | 10 |
| ASH-DY-44 136 | 6 1/2 | 400V - III | 10988 | 114 | 12206 | 148 | 13498 | 195 | 4,57 | 22,4 | 5700 | 3500 | 1/2"-1 1/8" | < 10,0 | 112+70 | 45 | | ASH-CDY-44 136 | 10 |
| ASH-DF-1 010 | 3/8 | 230V - I | 1185 | 10 | 1305 | 14 | 1465 | 19 | 0,77 | 5,2 | 1100 | 575 | 1/4"-3/8" | < 2,5 | 42+32 | 32 | | ASH-CDF-1 010 | 12 |
| ASH-DF-1 012 | 1/2 | 230V - I | 1340 | 12 | 1495 | 16 | 1645 | 22 | 0,83 | 6,2 | 1100 | 575 | 1/4"-3/8" | < 2,5 | 43+32 | 28 | | ASH-CDF-1 012 | 12 |
| ASH-DF-2 014 | 1/2 | 230V - I | 1710 | 16 | 1930 | 22 | 2100 | 29 | 0,97 | 7,4 | 1100 | 1150 | 1/4"-1/2" | < 2,5 | 45+32 | 32 | | ASH-CDF-2 014 | 12 |
| ASH-DF-2 016 | 5/8 | 230V - I | 1890 | 18 | 2130 | 24 | 2370 | 33 | 1,06 | 8,3 | 1100 | 1150 | 1/4"-1/2" | < 2,5 | 54+32 | 34 | | ASH-CDF-2 016 | 12 |
| ASH-DF-2 018 | 3/4 | 230V - I | 2230 | 22 | 2435 | 28 | 2710 | 38 | 1,27 | 9,6 | 1100 | 1150 | 1/4"-1/2" | < 2,5 | 55+32 | 35 | | ASH-CDF-2 018 | 12 |
| ASH-DF-2 024 | 1 | 230V - I | 2810 | 27 | 3130 | 36 | 3400 | 47 | 1,63 | 11,8 | 1800 | 1150 | 3/8"-5/8" | < 10,0 | 55+45 | 36 | | ASH-CDF-2 024 | 12 |
| ASH-DF-3 026 | 1 1/4 | 230V - I (4) | 3320 | 33 | 3620 | 42 | 4025 | 57 | 1,79 | 11,7 | 1800 | 1500 | 3/8"-5/8" | < 10,0 | 74+45 | 38 | | ASH-CDF-3 026 | 12 |
| ASH-DF-3 034 | 1 1/2 | 230V - I (4) | 4100 | 41 | 4570 | 54 | 4970 | 72 | 2,32 | 16,5 | 1800 | 1850 | 3/8"-5/8" | < 10,0 | 74+45 | 41 | | ASH-CDF-3 034 | 12 |
| ASH-DF-3 038 | 1 3/4 | 400V - III | 4640 | 47 | 5210 | 62 | 5820 | 85 | 2,19 | 7,3 | 1800 | 1850 | 3/8"-5/8" | < 10,0 | 71+45 | 40 | | ASH-CDF-3 038 | 12 |
| ASH-DF-4 048 | 2 | 400V - III | 6350 | 66 | 7000 | 86 | 7700 | 115 | 3,05 | 10,2 | 3150 | 3500 | 1/2"-3/4" | < 10,0 | 95+65 | 41 | | ASH-CDF-4 048 | 10 |
| ASH-DF-4 054 | 2 1/4 | 400V - III | 7000 | 73 | 7700 | 95 | 8470 | 125 | 3,33 | 10,7 | 3150 | 3500 | 1/2"-3/4" | < 10,0 | 96+65 | 41 | | ASH-CDF-4 054 | 10 |
| ASH-DF-4 060 | 3 | 400V - III | 7920 | 82 | 8710 | 105 | 9550 | 140 | 4,02 | 12,2 | 4000 | 3500 | 1/2"-7/8" | < 10,0 | 97+65 | 35 | | ASH-CDF-4 060 | 10 |
| ASH-DF-4 068 | 3 1/2 | 400V - III | 8600 | 89 | 9440 | 115 | 10340 | 150 | 4,55 | 13,2 | 4000 | 3500 | 1/2"-7/8" | < 10,0 | 98+65 | 39 | | ASH-CDF-4 068 | 10 |

OPCIONALES

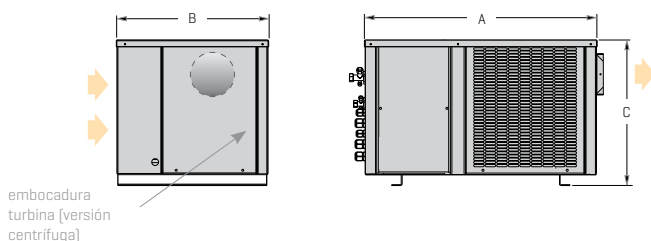
Otros refrigerantes. consultar
 Control de condensación proporcional
 versión axial [D]: series 3/33 y 4/43/44
 versión centrífuga [CD]: series 4/43/44
 Cambio a alimentación 400 V-III-50 Hz. [4]
 Resistencia de cárter.

[1] Las prestaciones nominales están referidas al funcionamiento con temperatura de cámara de 12°C [AT] y temperatura exterior de 35°C. Volumen de sala estimado según condiciones de las bases de cálculo [pág. IV].
 [2] Nivel sonoro referido a nivel de presión acústica en dB(A), medido en campo abierto a 10 m de distancia de la fuente.
 [3] Presión estática disponible en conductos de expulsión.
 [4] Unidades disponibles en tensión 400V - III - 50Hz.

DIMENSIONES EVAPORADOR



DIMENSIONES CONDENSADOR



| Dimensiones (mm) | A | B | C | D | E | F | Ventiladores evaporador | Embocadura turbina |
|--------------------|------|-----|-----|-----|------|-----|-------------------------|--------------------|
| serie 11 | 665 | 435 | 416 | 765 | 706 | 243 | 1x Ø 360 | Ø 150 |
| serie 21 | 835 | 435 | 500 | 765 | 706 | 243 | 1x Ø 360 | Ø 150 |
| serie 22 | 835 | 435 | 500 | 765 | 1056 | 243 | 2x Ø 360 | Ø 150 |
| serie 33 | 925 | 580 | 515 | 765 | 1756 | 243 | 3x Ø 360 | 236 x 266 |
| serie 43 | 1000 | 615 | 585 | 765 | 1756 | 243 | 3x Ø 360 | 305 x 266 |
| serie 44 | 1000 | 615 | 585 | 852 | 2156 | 293 | 3x Ø 450 | 305 x 266 |
| serie 1 | 665 | 435 | 416 | 765 | 706 | 243 | 1x Ø 360 | Ø 150 |
| ASH-DF 2014 a 2018 | 835 | 435 | 500 | 765 | 706 | 243 | 1x Ø 360 | Ø 150 |
| ASH-DF 2024 | 835 | 435 | 500 | 765 | 1056 | 243 | 2x Ø 360 | Ø 150 |
| serie 3 | 925 | 580 | 515 | 765 | 1056 | 243 | 2x Ø 360 | 236 x 266 |
| serie 4 | 1000 | 615 | 585 | 765 | 1756 | 243 | 3x Ø 360 | 305 x 266 |

SIGILUS



DESCRIPCIÓN

Equipos semicompactos para cámaras frigoríficas de pequeño y mediano tamaño, formados por una unidad condensadora silenciosa y una unidad evaporadora de bajo perfil, plafón de doble flujo o tipo cúbico.

- Alimentación 230V-I-50Hz ó 400V-III-50Hz.
- Carga de refrigerante R-404A o R-134A reducida.
- Compresor hermético alternativo.
- Doble aislamiento acústico del compresor.
- Amplia superficie de condensación en L [recta en series 0 y 1].
- Ventiladores de condensación de baja velocidad.
- Control de condensación proporcional (opcional en versiones -N).
- Presostatos de alta y baja presión.
- Silenciador de descarga [a partir de 1 CV] y resistencia de cárter.
- Recipiente de líquido.
- Precarga de refrigerante hasta 15 metros de tubería.
- Evaporador: bajo perfil [versión -N] o tipo cúbico [versión -Q]
- Válvula termostática y válvula solenoide integradas.
- Desescarche por resistencia eléctrica [excepto serie ASF].
- Bandeja de condensados en acero inoxidable.
- Conexiones de tipo Flare [hasta 1/2"-3/4"] y válvulas de servicio.
- Protección magnetotérmica.
- Regulación electrónica multifunción con mando a distancia y control de condensación digital.

DESCRIPTION

Split systems for small and medium size cold rooms at positive and negative temperature, composed by a low-noise condensing unit and a slim-type, cubic-type or double flow evaporating unit.

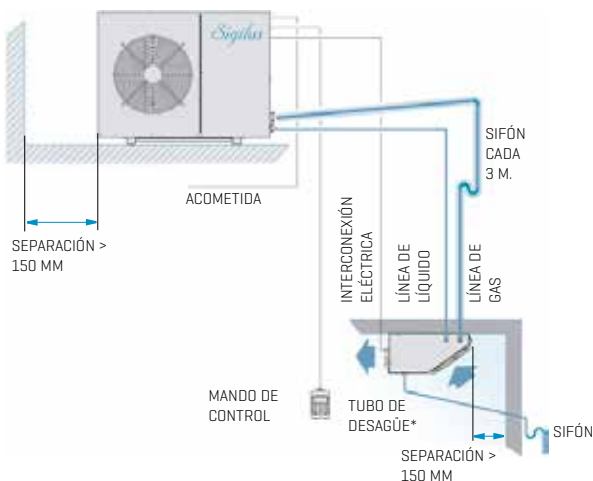
- 230V-I-50Hz or 400V-III-50Hz power supply
- Minimal R-404A or R-134a refrigerant load
- Hermetic reciprocating compressor with double noise insulation, discharge muffler - (from 1 HP models) and crankcase heater
- L-shape large surface condensing coil [straight for series 0 and 1]
- Low-speed and low-noise condensing motor-fans
- Proportional control of condensing pressure [as option for -N version]
- High and low pressure switches
- Liquid receiver with refrigerant preload for 15 m piping
- Inbuilt thermostatic expansion and solenoid valves
- Electrical heater defrosting and stainless steel drain tray
- Flare-type cooling connections (up to 1/2"-3/4") with service valves
- MCB protection
- Multifunctional electronic control with remote keyboard

SF-N series: Split with Sigilus condensing unit and slim-type evaporator.

SF-Q series: Split with Sigilus condensing unit and cubic evaporator.

SF-D series: Split with Sigilus condensing unit and double-flow evaporator.

ESQUEMA DE INSTALACIÓN INSTALLATION SCHEME



Distancia vertical máxima entre unidades de 15 m en caso de que la unidad condensadora esté situada a mayor altura que la unidad evaporadora, y de 6 m en caso contrario.

* Inclinación mínima del tubo de desagüe del 20% para modelos de baja temperatura.

Maximum vertical distance between units of 15 metres in case the condensing unit is placed in a higher level than the evaporating unit, and 6 metres otherwise. 20% minimum inclination of draining pipe for negative temperature models.

[1] Las prestaciones nominales están referidas al funcionamiento con temperatura de cámara de 0°C (MT) y -20°C (BT), y temperatura exterior de 35°C. Volumen de cámara estimado según condiciones de las bases de cálculo [pág. IV]. **[2]** Nivel sonoro referido a nivel de presión acústica en dB(A), medido en campo abierto a 10 m de distancia de la fuente. **[3]** Unidades disponibles en tensión 400V - III -50Hz.

[1] Nominal technical features are related to 0 °C (PT) and -20 °C (NT) cold room temperature and 35 °C ambient temperature. Cold room size estimated according to calculation basis [page IV]. **[2]** SPL: Sound pressure level shown in dB(A) on open field at 10 m. from the source. **[3]** Units available in 400V - III -50Hz power supply.

SEMICOMPACTOS SILENCIOSOS

TEMPERATURA POSITIVA

SERIES MSF / BSF

| SERIE / MODELO | COMPRESOR | | POTENCIA FRIGORÍFICA / VOLUMEN CÁMARA, SEGÚN TEMPERATURA DE CÁMARA (1) | | | | | | | | POTENCIA ABSORB. NOMINAL (kW) | INTENS. MÁXIMA ABSORB. (A) | VENT. EVAP. | CAUDAL EVAP. (m³/h) | CAUDAL COND. (m³/h) | CONEXIÓN FRIGORÍFICA LIQ - GAS | CARGA REFRIG. (kg) | PESO (kg) | NIVEL PRESIÓN SONORA dB(A) (2) | PVP (€) AXIAL |
|----------------|---------------|------------|--|------|------|------|------|------|-------|------|-------------------------------|----------------------------|-------------|---------------------|---------------------|--------------------------------|--------------------|-----------|--------------------------------|---------------|
| | CV | TENSIÓN | -5 °C | | 0 °C | | 5 °C | | 10 °C | | | | | | | | | | | |
| | | | W | m³ | W | m³ | W | m³ | W | m³ | | | | | | | | | | |
| R-134a | MSF-NY-00 010 | 3/8 | 230V - I | 497 | 2,9 | 637 | 5,0 | 788 | 8,8 | 945 | 13 | 0,41 | 4,2 | 1xØ172 | 300 | 350 | 1/4"-3/8" | < 2,5 | 46+12 | 20 |
| | MSF-NY-00 015 | 1/2 | 230V - I | 653 | 3,6 | 832 | 7,4 | 1004 | 11 | 1188 | 16 | 0,51 | 5,2 | 1xØ172 | 300 | 350 | 1/4"-3/8" | < 2,5 | 49+12 | 19 |
| | MSF-NY-11 015 | 1/2 | 230V - I | 805 | 4,7 | 1031 | 10 | 1296 | 14 | 1582 | 28 | 0,56 | 5,6 | 1xØ200 | 475 | 1700 | 1/4"-1/2" | < 2,5 | 57+16 | 19 |
| | MSF-NY-11 026 | 3/4 | 230V - I | 1076 | 9,0 | 1412 | 16 | 1738 | 25 | 2084 | 40 | 0,80 | 9,2 | 1xØ200 | 475 | 1700 | 1/4"-1/2" | < 2,5 | 65+16 | 22 |
| | MSF-NY-12 033 | 1 | 230V - I | 1475 | 13 | 1859 | 20 | 2289 | 35 | 2741 | 57 | 1,02 | 9,7 | 2xØ200 | 950 | 1700 | 1/4"-5/8" | < 2,5 | 67+24 | 22 |
| | MSF-NY-12 053 | 1 1/2 | 230V - I (3) | 1811 | 22 | 2347 | 33 | 2872 | 50 | 3439 | 79 | 1,42 | 12,3 | 2xØ200 | 950 | 1700 | 1/4"-5/8" | < 2,5 | 77+24 | 27 |
| | MSF-NY-13 074 | 2 | 230V - I (3) | 2772 | 30 | 3528 | 50 | 4363 | 76 | 5229 | 125 | 1,94 | 17,2 | 3xØ254 | 1500 | 1700 | 1/4"-3/4" | < 10,0 | 79+45 | 28 |
| | MSF-NY-23 086 | 4 | 400V - III | 3355 | 39 | 4384 | 65 | 5376 | 108 | 6437 | 160 | 2,18 | 14,1 | 3xØ254 | 1500 | 3700 | 3/8"-7/8" | < 10,0 | 96+45 | 39 |
| | MSF-NY-24 108 | 5 | 400V - III | 4347 | 58 | 5649 | 90 | 6920 | 138 | 8316 | 220 | 2,83 | 18,2 | 4xØ300 | 2800 | 3700 | 3/8"-7/8" | < 10,0 | 98+45 | 37 |
| | MSF-NY-24 136 | 6 1/2 | 400V - III | 5486 | 75 | 6899 | 110 | 8363 | 150 | 9949 | 280 | 3,55 | 22,2 | 4xØ300 | 2800 | 3700 | 3/8"-1 1/8" | < 10,0 | 101+55 | 36 |
| MSF-NY-34 171 | 8 | 400V - III | 6080 | 88 | 7613 | 130 | 9240 | 200 | 10978 | 350 | 4,16 | 25,2 | 4xØ300 | 2800 | 4000 | 3/8"-1 1/8" | < 10,0 | 140+55 | 36 | |
| R-404A | MSF-NF-0 008 | 1/3 | 230V - I | 569 | 2,9 | 701 | 5,0 | 815 | 8,8 | 980 | 13 | 0,44 | 5,1 | 1xØ172 | 300 | 350 | 1/4"-3/8" | < 2,5 | 47+12 | 20 |
| | MSF-NF-0 010 | 3/8 | 230V - I | 689 | 3,6 | 835 | 6,1 | 995 | 10 | 1155 | 15 | 0,55 | 4,8 | 1xØ172 | 300 | 350 | 1/4"-3/8" | < 2,5 | 49+12 | 21 |
| | MSF-NF-0 012 | 1/2 | 230V - I | 795 | 4,7 | 957 | 7,4 | 1115 | 12 | 1305 | 21 | 0,65 | 5,6 | 1xØ172 | 300 | 350 | 1/4"-3/8" | < 2,5 | 50+12 | 20 |
| | MSF-NF-1 014 | 1/2 | 230V - I | 1020 | 8,0 | 1245 | 12 | 1490 | 20 | 1765 | 34 | 0,78 | 6,5 | 1xØ200 | 475 | 1700 | 1/4"-1/2" | < 2,5 | 59+16 | 20 |
| | MSF-NF-1 016 | 5/8 | 230V - I | 1130 | 10 | 1380 | 15 | 1640 | 24 | 1940 | 40 | 0,83 | 7,4 | 1xØ200 | 475 | 1700 | 1/4"-1/2" | < 2,5 | 67+16 | 23 |
| | MSF-NF-1 018 | 3/4 | 230V - I | 1315 | 12 | 1590 | 19 | 1880 | 28 | 2220 | 45 | 0,97 | 8,7 | 1xØ200 | 475 | 1700 | 1/4"-1/2" | < 2,5 | 68+16 | 24 |
| | MSF-NF-2 024 | 1 | 230V - I | 1535 | 14 | 1890 | 22 | 2260 | 35 | 2700 | 57 | 1,28 | 11,1 | 2xØ200 | 950 | 1700 | 3/8"-5/8" | < 2,5 | 82+24 | 24 |
| | MSF-NF-2 026 | 1 1/4 | 230V - I (3) | 1690 | 16 | 2070 | 25 | 2475 | 39 | 2950 | 64 | 1,47 | 11,5 | 2xØ200 | 950 | 1700 | 3/8"-5/8" | < 2,5 | 83+24 | 27 |
| | MSF-NF-2 034 | 1 1/2 | 230V - I (3) | 2070 | 21 | 2500 | 33 | 2965 | 50 | 3500 | 79 | 1,87 | 16,1 | 2xØ200 | 950 | 1700 | 3/8"-5/8" | < 2,5 | 83+24 | 29 |
| | MSF-NF-3 038 | 1 3/4 | 400V - III | 2675 | 29 | 3320 | 46 | 3990 | 71 | 4760 | 112 | 1,96 | 8,1 | 3xØ254 | 1500 | 3200 | 3/8"-5/8" | < 10,0 | 82+45 | 30 |
| | MSF-NF-4 048 | 2 | 400V - III | 3300 | 39 | 4140 | 62 | 4950 | 92 | 5880 | 145 | 2,41 | 9,6 | 3xØ254 | 1500 | 3700 | 3/8"-3/4" | < 10,0 | 84+45 | 30 |
| MSF-NF-4 054 | 2 1/4 | 400V - III | 3760 | 47 | 4560 | 70 | 5440 | 105 | 6450 | 160 | 2,62 | 10,1 | 3xØ254 | 1500 | 3700 | 3/8"-3/4" | < 10,0 | 85+45 | 30 | |

TEMPERATURA NEGATIVA

| SERIE / MODELO | COMPRESOR | | POTENCIA FRIGORÍFICA / VOLUMEN CÁMARA, SEGÚN TEMPERATURA DE CÁMARA (1) | | | | | | POTENCIA ABSORB. NOMINAL (kW) | INTENS. MÁXIMA ABSORB. (A) | VENT. EVAP. | CAUDAL EVAP. (m³/h) | CAUDAL COND. (m³/h) | CONEXIÓN FRIGORÍFICA LIQ - GAS | CARGA REFRIG. (kg) | PESO (kg) | NIVEL PRESIÓN SONORA dB(A) (2) | PVP (€) AXIAL |
|----------------|--------------|---------|--|------|--------|------|--------|------|-------------------------------|----------------------------|-------------|---------------------|---------------------|--------------------------------|--------------------|-----------|--------------------------------|---------------|
| | CV | TENSIÓN | -25 °C | | -20 °C | | -15 °C | | | | | | | | | | | |
| | | | W | m³ | W | m³ | W | m³ | | | | | | | | | | |
| R-404A | BSF-NF-0 018 | 5/8 | 230V - I | 462 | 1,1 | 601 | 2,3 | 708 | 4,1 | 0,53 | 4,7 | 1xØ172 | 300 | 350 | 1/4"-1/2" | < 2,5 | 50+12 | 25 |
| | BSF-NF-1 026 | 3/4 | 230V - I | 690 | 3,2 | 940 | 7,0 | 1180 | 13 | 0,88 | 8,5 | 1xØ200 | 550 | 1700 | 1/4"-1/2" | < 2,5 | 67+16 | 27 |
| | BSF-NF-2 034 | 1 1/4 | 230V - I | 805 | 3,9 | 1075 | 8,1 | 1330 | 15 | 1,22 | 11,3 | 1xØ200 | 1050 | 1700 | 3/8"-5/8" | < 2,5 | 83+16 | 30 |
| | BSF-NF-2 054 | 1 3/4 | 230V - I (3) | 1060 | 6,8 | 1400 | 13 | 1720 | 23 | 1,73 | 17,3 | 2xØ200 | 1050 | 1700 | 3/8"-5/8" | < 2,5 | 93+24 | 32 |
| | BSF-NF-2 074 | 2 1/2 | 230V - I (3) | 1460 | 12 | 1800 | 20 | 2130 | 32 | 2,00 | 25,3 | 2xØ200 | 1050 | 1700 | 3/8"-5/8" | < 2,5 | 93+24 | 33 |
| | BSF-NF-3 074 | 2 1/2 | 230V - I (3) | 1725 | 15 | 2130 | 25 | 2580 | 41 | 2,08 | 26,2 | 3xØ254 | 2325 | 1700 | 3/8"-5/8" | < 10,0 | 93+45 | 33 |
| | BSF-NF-3 086 | 3 | 400V - III | 1790 | 16 | 2500 | 32 | 2980 | 52 | 2,39 | 10,9 | 3xØ254 | 2325 | 3200 | 3/8"-5/8" | < 10,0 | 84+45 | 27 |
| | BSF-NF-4 096 | 3 1/2 | 400V - III | 1980 | 19 | 2810 | 39 | 3540 | 68 | 2,70 | 12,0 | 3xØ254 | 2325 | 3700 | 3/8"-3/4" | < 10,0 | 97+45 | 40 |
| | BSF-NF-4 108 | 4 1/4 | 400V - III | 2540 | 29 | 3310 | 50 | 3910 | 78 | 3,05 | 14,6 | 3xØ254 | 2325 | 3700 | 3/8"-7/8" | < 10,0 | 97+45 | 38 |
| | BSF-NF-4 136 | 5 | 400V - III | 2960 | 37 | 3790 | 61 | 4690 | 100 | 3,97 | 16,8 | 3xØ254 | 2325 | 3700 | 3/8"-7/8" | < 10,0 | 100+45 | 34 |

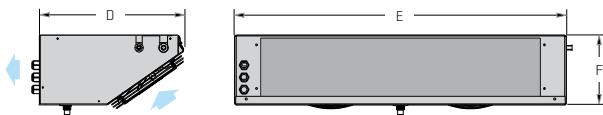
OPCIONALES

- Otros refrigerantes. consultar
- Control de condensación proporcional por
- variación de velocidad [excepto serie 0]. + 250 €
- Cambio a alimentación 400 V-III-50 Hz. (4) + 5%
- Rejilla exterior de protección de la batería. + 90 €
- Ventiladores electrónicos en el evaporador. + 5%

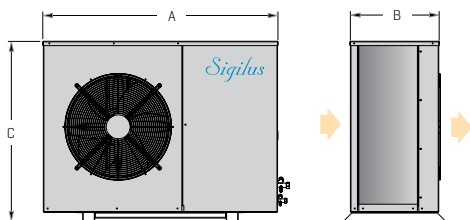
ASAN OPTION

- R-407A refrigerant
- Change to 400 V-III-50 Hz power supply (2)
- Proportional control of condensing pressure through fan variable
- speed drive [except for series 0]
- Coil protection grille
- Evaporating unit EC fans

DIMENSIONES EVAPORADOR



DIMENSIONES CONDENSADOR



| Dimensiones (mm) | A | B | C | D | E | F | Ventiladores evaporador |
|------------------|------|-----|------|-----|------|-----|-------------------------|
| series 0 y 00 | 670 | 305 | 440 | 407 | 520 | 150 | 1x Ø 172 |
| series 1 y 11 | 1030 | 373 | 577 | 418 | 600 | 200 | 1x Ø 200 |
| series 2 y 12 | 1030 | 373 | 577 | 418 | 950 | 200 | 2x Ø 200 |
| series 3 y 13 | 1030 | 373 | 577 | 492 | 1650 | 200 | 3x Ø 254 |
| series 4 y 23 | 1080 | 410 | 827 | 492 | 1650 | 200 | 3x Ø 254 |
| serie 24 | 1080 | 410 | 827 | 522 | 1980 | 250 | 4x Ø 300 |
| serie 34 | 1150 | 481 | 1097 | 522 | 1980 | 250 | 4x Ø 300 |

TEMPERATURA POSITIVA

SERIES MSF / BSF

| SERIE / MODELO | COMPRESOR | | POTENCIA FRIGORÍFICA / VOLUMEN CÁMARA, SEGÚN TEMPERATURA DE CÁMARA [1] | | | | | | | | POTENCIA ABSORB. NOMINAL [kW] | INTENS. MÁXIMA ABSORB. (A) | VENT. EVAP. | CAUDAL EVAP. (m³/h) | CAUDAL COND. (m³/h) | CONEXIÓN FRIGORÍFICA LIQ - GAS | CARGA REFRIG. (kg) | PESO (kg) | NIVEL PRESIÓN SONORA dB(A) [2] | PVP (€) AXIAL |
|----------------|---------------|---------|--|-------|------|-------|------|-------|-------|-------|-------------------------------|----------------------------|-------------|---------------------|---------------------|--------------------------------|--------------------|-----------|--------------------------------|---------------|
| | CV | TENSIÓN | -5 °C | | 0 °C | | 5 °C | | 10 °C | | | | | | | | | | | |
| | | | W | m³ | W | m³ | W | m³ | W | m³ | | | | | | | | | | |
| R-134a | MSF-QY-10 068 | 3 1/2 | 400V - III | 3281 | 42 | 4106 | 60 | 4998 | 69 | 5985 | 110 | 1,98 | 12,8 | 1xØ350 | 2000 | 3200 | 1/4"-3/4" | < 10,0 | 82+43 | 36 |
| | MSF-QY-20 086 | 4 | 400V - III | 3523 | 45 | 4442 | 65 | 5429 | 75 | 6515 | 120 | 2,19 | 14,8 | 1xØ350 | 2000 | 3700 | 3/8"-7/8" | < 10,0 | 96+43 | 39 |
| | MSF-QY-21 108 | 5 | 400V - III | 4226 | 58 | 5334 | 81 | 6521 | 130 | 7807 | 210 | 2,56 | 16,3 | 1xØ350 | 2125 | 3700 | 3/8"-7/8" | < 10,0 | 98+56 | 37 |
| | MSF-QY-22 136 | 6 1/2 | 400V - III | 5749 | 80 | 7277 | 120 | 8831 | 186 | 10553 | 290 | 3,63 | 21,1 | 2xØ350 | 4000 | 3700 | 3/8"-1 1/8" | < 10,0 | 101+72 | 36 |
| | MSF-QY-33 171 | 8 | 400V - III | 6746 | 100 | 8484 | 172 | 10295 | 197 | 12306 | 354 | 4,42 | 24,1 | 2xØ350 | 4450 | 4000 | 3/8"-1 1/8" | < 10,0 | 140+89 | 39 |
| | MSF-QY-33 215 | 10 | 400V - III | 8426 | 130 | 10563 | 241 | 12857 | 268 | 15419 | 440 | 5,24 | 30,5 | 3xØ350 | 6000 | 6500 | 3/8"-1 1/8" | < 10,0 | 147+94 | 35 |
| | MSF-QY-34 271 | 13 | 400V - III | 11099 | 165 | 13776 | 256 | 16622 | 346 | 19777 | 550 | 7,19 | 40,2 | 4xØ350 | 8000 | 6500 | 1/2"-1 3/8" | < 10,0 | 152+118 | 35 |
| R-404A | MSF-QF-10 038 | 1 3/4 | 400V - III | 3119 | 31 | 3833 | 48 | 4599 | 75 | 5460 | 120 | 1,84 | 7,4 | 1xØ350 | 2000 | 3200 | 3/8"-5/8" | < 10,0 | 82+43 | 30 |
| | MSF-QF-20 048 | 2 | 400V - III | 3801 | 43 | 4641 | 63 | 5544 | 95 | 6542 | 150 | 2,31 | 8,8 | 1xØ350 | 2000 | 3700 | 3/8"-3/4" | < 10,0 | 84+43 | 30 |
| | MSF-QF-20 054 | 2 1/4 | 400V - III | 4179 | 48 | 5093 | 72 | 6069 | 110 | 7130 | 170 | 2,49 | 9,4 | 1xØ350 | 2000 | 3700 | 3/8"-3/4" | < 10,0 | 85+43 | 30 |
| | MSF-QF-21 060 | 3 | 400V - III | 4851 | 61 | 5891 | 89 | 6998 | 130 | 8190 | 200 | 2,97 | 10,4 | 1xØ350 | 2125 | 3700 | 3/8"-3/4" | < 10,0 | 88+56 | 29 |
| | MSF-QF-21 068 | 3 1/2 | 400V - III | 5261 | 78 | 6363 | 110 | 7539 | 160 | 8799 | 250 | 3,35 | 11,4 | 1xØ350 | 2125 | 3700 | 1/2"-3/4" | < 10,0 | 88+56 | 29 |
| | MSF-QF-32 086 | 4 | 400V - III | 6552 | 91 | 7949 | 130 | 9450 | 190 | 11078 | 300 | 4,31 | 13,6 | 2xØ350 | 4000 | 4000 | 1/2"-7/8" | < 10,0 | 115+72 | 39 |
| | MSF-QF-32 108 | 5 | 400V - III | 8201 | 125 | 9954 | 175 | 11823 | 255 | 13860 | 400 | 5,29 | 16,7 | 2xØ350 | 4000 | 6500 | 1/2"-7/8" | < 10,0 | 120+72 | 37 |
| | MSF-QF-43 136 | 6 1/2 | 400V - III | 10626 | 160 | 12836 | 220 | 15204 | 320 | 17526 | 500 | 6,94 | 21,5 | 3xØ350 | 6000 | 7000 | 1/2"-1 1/8" | < 10,0 | 135+89 | 36 |
| | MSF-QF-44 160 | 8 | 400V - III | 11258 | 170 | 13600 | 230 | 16109 | 340 | 18569 | 530 | 7,89 | 26,0 | 4xØ350 | 8000 | 7000 | 5/8"-1 3/8" | < 10,0 | 157+118 | 45 |

TEMPERATURA NEGATIVA

| SERIE / MODELO | COMPRESOR | | POTENCIA FRIGORÍFICA / VOLUMEN CÁMARA, SEGÚN TEMPERATURA DE CÁMARA [1] | | | | | | POTENCIA ABSORB. NOMINAL [kW] | INTENS. MÁXIMA ABSORB. (A) | VENT. EVAP. | CAUDAL EVAP. (m³/h) | CAUDAL COND. (m³/h) | CONEXIÓN FRIGORÍFICA LIQ - GAS | CARGA REFRIG. (kg) | PESO (kg) | NIVEL PRESIÓN SONORA dB(A) [2] | PVP (€) AXIAL |
|----------------|---------------|---------|--|------|--------|------|--------|-------|-------------------------------|----------------------------|-------------|---------------------|---------------------|--------------------------------|--------------------|-----------|--------------------------------|---------------|
| | CV | TENSIÓN | -25 °C | | -20 °C | | -15 °C | | | | | | | | | | | |
| | | | W | m³ | W | m³ | W | m³ | | | | | | | | | | |
| R-404A | BSF-QF-10 074 | 2 1/2 | 230V - I [3] | 1869 | 15 | 2510 | 25 | 3161 | 44 | 2,29 | 25,1 | 1xØ350 | 2100 | 1700 | 3/8"-5/8" | < 10,0 | 93+43 | 33 |
| | BSF-QF-10 086 | 3 | 400V - III | 2163 | 17 | 2835 | 32 | 3554 | 56 | 2,23 | 9,8 | 1xØ350 | 2100 | 3200 | 3/8"-5/8" | < 10,0 | 84+43 | 27 |
| | BSF-QF-20 096 | 3 1/2 | 400V - III | 2394 | 20 | 3192 | 43 | 4022 | 74 | 2,57 | 11,5 | 1xØ350 | 2100 | 3700 | 3/8"-3/4" | < 10,0 | 97+43 | 40 |
| | BSF-QF-21 108 | 4 1/4 | 400V - III | 2940 | 28 | 3885 | 50 | 4851 | 86 | 3,00 | 13,5 | 1xØ350 | 2350 | 3700 | 3/8"-7/8" | < 10,0 | 97+56 | 38 |
| | BSF-QF-22 136 | 5 | 400V - III | 3817 | 53 | 5082 | 83 | 6353 | 130 | 4,38 | 16,4 | 2xØ350 | 4150 | 3700 | 1/2"-1 1/8" | < 10,0 | 97+72 | 34 |
| | BSF-QF-33 215 | 7 1/2 | 400V - III | 5717 | 80 | 7592 | 130 | 8148 | 200 | 6,12 | 25,8 | 3xØ350 | 6200 | 6500 | 1/2"-1 1/8" | < 10,0 | 147+94 | 40 |
| | BSF-QF-34 271 | 10 | 400V - III | 7392 | 120 | 9734 | 185 | 11234 | 230 | 7,81 | 28,2 | 4xØ350 | 8300 | 6500 | 1/2"-1 3/8" | < 10,0 | 147+118 | 40 |

OPCIONALES

Otros refrigerantes. consultar

Cambio a alimentación 400 V-III-50 Hz. [4] + 5%

Rejilla exterior de protección de la batería. + 90 €

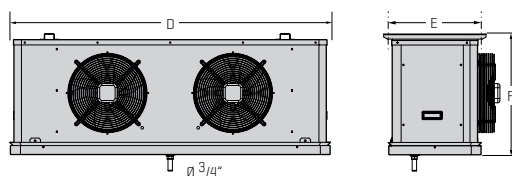
Ventiladores electrónicos en el evaporador. + 5%

[1] Las prestaciones nominales están referidas al funcionamiento con temperatura de cámara de 0°C [MT] y -20°C [BT], y temperatura exterior de 35°C. Volumen de cámara estimado según condiciones de las bases de cálculo. [pág. IV].

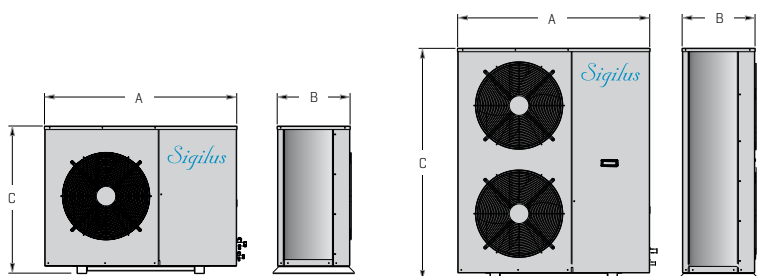
[2] Nivel sonoro referido a nivel de presión acústica en dB(A), medido en campo abierto a 10 m de distancia de la fuente.

[3] Unidades disponibles en tensión 400V - III -50Hz.

DIMENSIONES EVAPORADOR



DIMENSIONES CONDENSADOR



| Dimensiones (mm) | A | B | C | D | E | F |
|------------------|------|-----|------|------|-----|-----|
| serie 10 | 1030 | 373 | 577 | 882 | 465 | 576 |
| serie 20 | 1080 | 410 | 827 | 882 | 465 | 576 |
| serie 21 | 1080 | 410 | 827 | 1232 | 465 | 576 |
| serie 22 | 1080 | 410 | 827 | 1534 | 465 | 576 |
| serie 32 | 1150 | 481 | 1097 | 1534 | 465 | 576 |
| serie 33 | 1150 | 481 | 1097 | 1933 | 465 | 576 |
| serie 34 | 1150 | 481 | 1097 | 2432 | 465 | 576 |
| serie 43 | 1150 | 481 | 1347 | 1933 | 465 | 576 |
| serie 44 | 1150 | 481 | 1347 | 2432 | 465 | 576 |

SEMICOMPACTOS SILENCIOSOS

ALTA TEMPERATURA

SERIE ASF

| SERIE / MODELO | COMPRESOR | | POTENCIA FRIGORÍFICA / VOLUMEN CÁMARA, SEGÚN TEMPERATURA DE CÁMARA ⁽¹⁾ | | | | | | POTENCIA ABSORB. NOMINAL [kW] | INTENS. MÁXIMA ABSORB. [A] | CAUDAL EVAP. [m³/h] | CAUDAL COND. [m³/h] | CONEXIÓN FRIGORÍFICA LIQ - GAS | CARGA REFRIG. [kg] | PESO [kg] | NIVEL PRESIÓN SONORA dB(A) ⁽²⁾ | PVP (€) AXIAL |
|----------------|---------------|---------|---|-------|--------|-------|--------|-------|-------------------------------|----------------------------|---------------------|---------------------|--------------------------------|--------------------|-----------|---|---------------|
| | CV | TENSIÓN | +9 °C | | +12 °C | | +15 °C | | | | | | | | | | |
| | | | W | m³ | W | m³ | W | m³ | | | | | | | | | |
| R-134a | ASF-DY-11 015 | 1/2 | 230V - I | 1687 | 16 | 1922 | 21 | 2160 | 29 | 0,69 | 4,7 | 1100 | 1700 | 1/4"-1/2" | < 2,5 | 57+32 | 20 |
| | ASF-DY-11 026 | 3/4 | 230V - I | 2342 | 23 | 2678 | 30 | 2977 | 41 | 1,05 | 8,4 | 1100 | 1700 | 1/4"-1/2" | < 2,5 | 65+32 | 22 |
| | ASF-DY-12 033 | 1 | 230V - I | 2840 | 27 | 3176 | 36 | 3533 | 48 | 1,33 | 10,4 | 1800 | 1700 | 1/4"-5/8" | < 10,0 | 67+45 | 22 |
| | ASF-DY-13 053 | 1 1/2 | 230V - I ⁽³⁾ | 4226 | 42 | 4730 | 56 | 5271 | 72 | 2,04 | 13,6 | 3150 | 1700 | 3/8"-3/4" | < 10,0 | 77+65 | 27 |
| | ASF-DY-13 074 | 2 | 230V - I ⁽³⁾ | 6053 | 62 | 6825 | 83 | 7634 | 112 | 2,61 | 17,6 | 3150 | 3200 | 3/8"-3/4" | < 10,0 | 79+65 | 28 |
| | ASF-DY-23 086 | 4 | 400V - III | 7151 | 75 | 8033 | 99 | 8957 | 131 | 2,90 | 14,4 | 3150 | 3700 | 3/8"-7/8" | < 10,0 | 96+65 | 39 |
| | ASF-DY-24 108 | 5 | 400V - III | 8936 | 99 | 10028 | 122 | 11146 | 165 | 3,80 | 17,5 | 5700 | 3700 | 3/8"-7/8" | < 10,0 | 98+70 | 37 |
| | ASF-DY-24 136 | 6 1/2 | 400V - III | 11093 | 128 | 12332 | 168 | 13645 | 224 | 5,00 | 21,2 | 5700 | 3700 | 1/2"-1 1/8" | < 10,0 | 98+70 | 36 |
| | ASF-DY-34 171 | 8 | 400V - III | 13424 | 146 | 14989 | 186 | 16669 | 251 | 5,88 | 25,2 | 5700 | 6500 | 1/2"-1 1/8" | < 10,0 | 120+70 | 40 |
| | ASF-DY-44 215 | 10 | 400V - III | 15771 | 171 | 17593 | 218 | 19546 | 294 | 6,61 | 30,2 | 5700 | 7000 | 1/2"-1 3/8" | < 10,0 | 120+70 | 40 |
| R-404A | ASF-DF-1 016 | 5/8 | 230V - I | 2040 | 19 | 2250 | 25 | 2530 | 35 | 1,00 | 7,5 | 1100 | 1700 | 1/4"-1/2" | < 2,5 | 67+32 | 23 |
| | ASF-DF-1 018 | 3/4 | 230V - I | 2380 | 23 | 2620 | 30 | 3040 | 42 | 1,20 | 8,8 | 1100 | 1700 | 1/4"-1/2" | < 2,5 | 68+32 | 24 |
| | ASF-DF-1 024 | 1 | 230V - I | 3050 | 29 | 3400 | 39 | 3700 | 51 | 1,56 | 11,3 | 1800 | 1700 | 3/8"-5/8" | < 10,0 | 82+45 | 24 |
| | ASF-DF-1 026 | 1 1/4 | 230V - I ⁽³⁾ | 3620 | 35 | 3950 | 46 | 4430 | 63 | 1,78 | 12,0 | 1800 | 3200 | 3/8"-5/8" | < 10,0 | 83+45 | 27 |
| | ASF-DF-1 034 | 1 1/2 | 230V - I ⁽³⁾ | 4335 | 43 | 4880 | 58 | 5385 | 77 | 2,29 | 16,6 | 1800 | 3200 | 3/8"-5/8" | < 10,0 | 83+45 | 29 |
| | ASF-DF-1 038 | 1 3/4 | 400V - III | 5140 | 52 | 5685 | 68 | 6260 | 91 | 2,25 | 7,8 | 3150 | 3200 | 3/8"-5/8" | < 10,0 | 82+65 | 30 |
| | ASF-DF-2 048 | 2 | 400V - III | 6455 | 67 | 7120 | 87 | 7840 | 115 | 2,82 | 9,3 | 3150 | 3700 | 1/2"-3/4" | < 10,0 | 84+65 | 30 |
| | ASF-DF-2 054 | 2 1/4 | 400V - III | 7140 | 75 | 7870 | 97 | 8645 | 130 | 3,10 | 9,8 | 3150 | 3700 | 1/2"-3/4" | < 10,0 | 85+65 | 30 |
| | ASF-DF-3 060 | 3 | 400V - III | 8875 | 94 | 9430 | 115 | 10400 | 155 | 3,79 | 11,9 | 4000 | 6500 | 1/2"-7/8" | < 10,0 | 88+65 | 29 |
| | ASF-DF-3 068 | 3 1/2 | 400V - III | 9330 | 98 | 10300 | 125 | 11130 | 165 | 4,28 | 12,9 | 4000 | 6500 | 1/2"-7/8" | < 10,0 | 88+65 | 29 |
| | ASF-DF-4 086 | 4 | 400V - III | 11330 | 120 | 12500 | 155 | 13750 | 205 | 5,10 | 15,2 | 5700 | 7000 | 5/8"-1 1/8" | < 10,0 | 115+70 | 39 |
| | ASF-DF-4 108 | 5 | 400V - III | 13800 | 150 | 15320 | 190 | 16940 | 255 | 6,52 | 18,2 | 5700 | 7000 | 5/8"-1 1/8" | < 10,0 | 120+70 | 37 |

OPCIONALES

Otros refrigerantes. consultar

Control de condensación proporcional por variación de velocidad

[ya incluido en serie 2/23 y superiores]

Cambio a alimentación 400 V-III-50 Hz. [4]

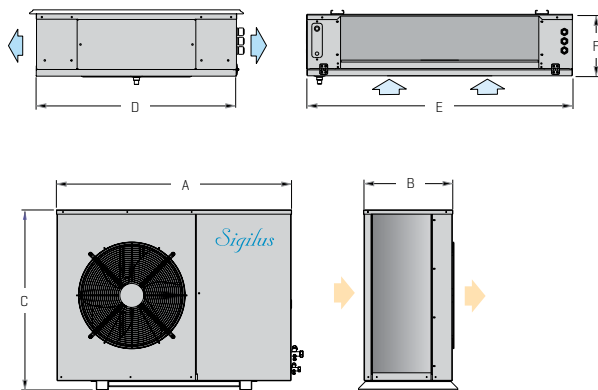
Rejilla exterior de protección de la batería.

[1] Las prestaciones nominales están referidas al funcionamiento con temperatura de cámara de 12°C [AT] y temperatura exterior de 35°C. Volumen de sala estimado según condiciones de las bases de cálculo [pág. IV].

[2] Nivel sonoro referido a nivel de presión acústica en dB(A), medido en campo abierto a 10 m de distancia de la fuente.

[3] Unidades disponibles en tensión 400V - III - 50Hz.

DIMENSIONES CONDENSADOR



DIMENSIONES EVAPORADOR

| Dimensiones (mm) | | A | B | C | D | E | F | Ventiladores evaporador |
|------------------|--------------------|------|------|------|------|------|----------|-------------------------|
| R-134a | serie 11 | 1030 | 373 | 577 | 762 | 706 | 243 | 1x Ø 360 |
| | serie 12 | 1030 | 373 | 577 | 762 | 1056 | 243 | 2x Ø 360 |
| | serie 13 | 1030 | 373 | 577 | 762 | 1756 | 243 | 3x Ø 360 |
| | serie 23 | 1080 | 410 | 827 | 762 | 1756 | 243 | 3x Ø 360 |
| | serie 24 | 1080 | 410 | 827 | 852 | 2156 | 293 | 3x Ø 450 |
| | serie 34 | 1150 | 481 | 1097 | 852 | 2156 | 293 | 3x Ø 450 |
| | serie 44 | 1150 | 481 | 1347 | 852 | 2156 | 293 | 3x Ø 450 |
| R-404A | ASF-DF-1016 y 1018 | 1030 | 373 | 577 | 762 | 706 | 243 | 1x Ø 360 |
| | ASF-DF-1024 a 1034 | 1030 | 373 | 577 | 762 | 1056 | 243 | 2x Ø 360 |
| | ASF-DF-1038 | 1030 | 373 | 577 | 762 | 1756 | 243 | 3x Ø 360 |
| | serie 2 | 1080 | 410 | 827 | 762 | 1756 | 243 | 3x Ø 360 |
| serie 3 | 1150 | 481 | 1097 | 762 | 1756 | 243 | 3x Ø 360 | |
| serie 4 | 1150 | 481 | 1347 | 852 | 2156 | 293 | 3x Ø 450 | |