

## Subtipo M thermal A series 4 6 kW

|                            |                                                    |
|----------------------------|----------------------------------------------------|
| Poseedor del certificado   | GD Midea Heating & Ventilating Equipment Co., Ltd. |
| Adressa                    | Penglai Industry Road                              |
| Código postal              | 528311                                             |
| Ciudad                     | Beijiao, Shunde, Foshan                            |
| País                       | CN                                                 |
| Cuerpo de la certificación | BRE Global Limited                                 |
| Título subtitulo           | M thermal A series 4 6 kW                          |
| Número de registro         | 041-K007-03                                        |
| Tipo de bomba de calor     | Aire exterior / agua                               |
| Refrigerante               | R32                                                |
| Cantidad de refrigerante   | 1.5 kg                                             |
| Fecha de certificación     | 02.12.2020                                         |
| Fundamentos de ensayo      | Scheme Rules Rev 08                                |

## Modelo MHA-V4W/D2N8-B+HB-A60/C\*\*\*\*GN8-B

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| Nombre del modelo                        | MHA-V4W/D2N8-B+HB-A60/C****GN8-B  |
| Aplicación                               | Calefacción ( media temperatura ) |
| Unidades                                 | Interior, Exterior                |
| zona climatica (para calefacción)        | Clima cálido, Clima frío          |
| Reversibilidad                           | Sí                                |
| aplicación para refrigeración (optional) | n/a                               |
| Otras fuentes de calor                   | n/a                               |

## Datos generales

|                             |             |
|-----------------------------|-------------|
| Alimentación eléctrica      | 1x230V 50Hz |
| Producto fuera de selección | n/a         |

## Aire exterior / agua

## EN 14511-4 | Calefacción

|                                                   |          |
|---------------------------------------------------|----------|
| Starting and operating test                       | caducado |
| cortando la trasferencia de calor de caudal medio | caducado |
| Fallo completo de alimentación eléctrica          | caducado |
| Test de desescarche                               | caducado |

## EN 14511-2 | Calefacción

|                    | Baja temperatura | Media temperatura |
|--------------------|------------------|-------------------|
| COP                | 5.20             | 2.95              |
| Salida calefacción | 4.25 kW          | 4.40 kW           |
| Entrada EI         | 0.82 kW          | 1.49 kW           |

## EN 12102-1 | Clima medio

|                                       | Baja temperatura | Media temperatura |
|---------------------------------------|------------------|-------------------|
| Potencia sonora de la unidad interior | 38 dB(A)         | 38 dB(A)          |
| Potencia sonora de la unidad exterior | 56 dB(A)         | 56 dB(A)          |

## EN 14825 | Clima medio

|                | Baja temperatura | Media temperatura |
|----------------|------------------|-------------------|
| $\eta_s$       | 191 %            | 130 %             |
| Prated         | 5.52 kW          | 4.40 kW           |
| SCOP           | 4.85             | 3.31              |
| Tbiv           | -7 °C            | -7 °C             |
| TOL            | -10 °C           | -10 °C            |
| Pdh Tj = -7°C  | 4.88 kW          | 3.89 kW           |
| COP Tj = -7°C  | 3.19             | 2.17              |
| Cdh Tj = -7 °C | 0.90             | 0.90              |
| Pdh Tj = +2°C  | 3.06 kW          | 2.38 kW           |
| COP Tj = +2°C  | 4.78             | 3.30              |
| Cdh Tj = +2 °C | 0.90             | 0.90              |

|                                                      |              |              |
|------------------------------------------------------|--------------|--------------|
| Pdh Tj = +7°C                                        | 1.93 kW      | 2.95 kW      |
| COP Tj = +7°C                                        | 6.13         | 4.41         |
| Cdh Tj = +7 °C                                       | 0.90         | 0.90         |
| Pdh Tj = 12°C                                        | 1.48 kW      | 1.32 kW      |
| COP Tj = 12°C                                        | 8.05         | 5.66         |
| Cdh Tj = +12 °C                                      | 0.90         | 0.90         |
| Pdh Tj = Tbiv                                        | 4.88 kW      | 3.89 kW      |
| COP Tj = Tbiv                                        | 3.19         | 2.17         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh  | 4.42 kW      | 3.42 kW      |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh  | 2.86         | 1.91         |
| WTOL                                                 | 65 °C        | 65 °C        |
| Poff                                                 | 14 W         | 14 W         |
| PTO                                                  | 24 W         | 24 W         |
| PSB                                                  | 14 W         | 14 W         |
| PCK                                                  | 0 W          | 0 W          |
| Calentador suplementario: tipo de energía de entrada | Electricidad | Electricidad |
| Calentador suplementario: PSUP                       | 1.11 kW      | 0.98 kW      |
| Consumo anual de energía QHE                         | 2351 kWh     | 2744 kWh     |

#### EN 12102-1 | Clima frío

|                                       | Baja temperatura | Media temperatura |
|---------------------------------------|------------------|-------------------|
| Potencia sonora de la unidad interior | 38 dB(A)         | 38 dB(A)          |
| Potencia sonora de la unidad exterior | 56 dB(A)         | 56 dB(A)          |

#### EN 14825 | Clima frío

|                 | Baja temperatura | Media temperatura |
|-----------------|------------------|-------------------|
| ηs              | 159 %            | 102 %             |
| Prated          | 4.57 kW          | 3.37 kW           |
| SCOP            | 4.06             | 2.63              |
| Tbiv            | -15 °C           | -15 °C            |
| TOL             | -22 °C           | -22 °C            |
| Pdh Tj = -7°C   | 2.76 kW          | 2.14 kW           |
| COP Tj = -7°C   | 3.49             | 2.32              |
| Cdh Tj = -7 °C  | 0.90             | 0.90              |
| Pdh Tj = +2°C   | 1.77 kW          | 1.28 kW           |
| COP Tj = +2°C   | 4.95             | 2.99              |
| Cdh Tj = +2 °C  | 0.90             | 0.90              |
| Pdh Tj = +7°C   | 1.17 kW          | 1.01 kW           |
| COP Tj = +7°C   | 5.53             | 3.86              |
| Cdh Tj = +7 °C  | 0.90             | 0.90              |
| Pdh Tj = 12°C   | 1.43 kW          | 1.36 kW           |
| COP Tj = 12°C   | 7.67             | 6.28              |
| Cdh Tj = +12 °C | 0.90             | 0.90              |

|                                                      |              |              |
|------------------------------------------------------|--------------|--------------|
| Pdh Tj = Tbiv                                        | 3.72 kW      | 2.75 kW      |
| COP Tj = Tbiv                                        | 2.57         | 1.74         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh  | 2.80 kW      | 1.64 kW      |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh  | 1.97         | 1.02         |
| WTOL                                                 | 65 °C        | 65 °C        |
| Poff                                                 | 14 W         | 14 W         |
| PTO                                                  | 24 W         | 24 W         |
| PSB                                                  | 14 W         | 14 W         |
| PCK                                                  | 0 W          | 0 W          |
| Pdh Tj = -15°C (if TOL                               | 3.72         | 2.75         |
| COP Tj = -15°C (if TOL                               | 2.57         | 1.74         |
| Cdh Tj = -15 °C                                      | 0.90         | 0.90         |
| Calentador suplementario: tipo de energía de entrada | Electricidad | Electricidad |
| Calentador suplementario: PSUP                       | 1.76 kW      | 1.73 kW      |
| Consumo annual de energia QHE                        | 2770 kWh     | 3159 kWh     |

#### EN 12102-1 | Clima cálido

|                                       | Baja temperatura | Media temperatura |
|---------------------------------------|------------------|-------------------|
| Potencia sonora de la unidad interior | 38 dB(A)         | 38 dB(A)          |
| Potencia sonora de la unidad exterior | 56 dB(A)         | 56 dB(A)          |

#### EN 14825 | Clima cálido

|                                                     | Baja temperatura | Media temperatura |
|-----------------------------------------------------|------------------|-------------------|
| $\eta_s$                                            | 254 %            | 162 %             |
| Prated                                              | 5.54 kW          | 5.02 kW           |
| SCOP                                                | 6.52             | 4.14              |
| Tbiv                                                | 7 °C             | 7 °C              |
| TOL                                                 | 2 °C             | 2 °C              |
| Pdh Tj = +2°C                                       | 5.35 kW          | 4.84 kW           |
| COP Tj = +2°C                                       | 3.94             | 2.51              |
| Cdh Tj = +2 °C                                      | 0.90             | 0.90              |
| Pdh Tj = +7°C                                       | 3.56 kW          | 3.23 kW           |
| COP Tj = +7°C                                       | 5.92             | 3.68              |
| Cdh Tj = +7 °C                                      | 0.90             | 0.90              |
| Pdh Tj = 12°C                                       | 1.64 kW          | 1.47 kW           |
| COP Tj = 12°C                                       | 7.91             | 5.15              |
| Cdh Tj = +12 °C                                     | 0.90             | 0.90              |
| Pdh Tj = Tbiv                                       | 3.56 kW          | 3.23 kW           |
| COP Tj = Tbiv                                       | 5.92             | 3.68              |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.35 kW          | 4.84 kW           |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.94             | 2.51              |
| WTOL                                                | 65 °C            | 65 °C             |

|                                                      |              |              |
|------------------------------------------------------|--------------|--------------|
| Poff                                                 | 14 W         | 14 W         |
| PTO                                                  | 24 W         | 24 W         |
| PSB                                                  | 14 W         | 14 W         |
| PCK                                                  | 0 W          | 0 W          |
| Calentador suplementario: tipo de energía de entrada | Electricidad | Electricidad |
| Calentador suplementario: PSUP                       | 0.19 kW      | 0.18 kW      |
| Consumo anual de energía QHE                         | 1152 kWh     | 1621 kWh     |

## Modelo MHA-V6W/D2N8-B+HB-A60/C\*\*\*\*GN8-B

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| Nombre del modelo                        | MHA-V6W/D2N8-B+HB-A60/C****GN8-B  |
| Aplicación                               | Calefacción ( media temperatura ) |
| Unidades                                 | Interior, Exterior                |
| zona climatica (para calefacción)        | Clima cálido, Clima frío          |
| Reversibilidad                           | Sí                                |
| aplicación para refrigeración (optional) | n/a                               |
| Otras fuentes de calor                   | n/a                               |

## Datos generales

|                             |             |
|-----------------------------|-------------|
| Alimentación eléctrica      | 1x230V 50Hz |
| Producto fuera de selección | n/a         |

## Aire exterior / agua

## EN 14511-4 | Calefacción

|                                                   |          |
|---------------------------------------------------|----------|
| Starting and operating test                       | caducado |
| cortando la trasferencia de calor de caudal medio | caducado |
| Fallo completo de alimentación eléctrica          | caducado |
| Test de desescarche                               | caducado |

## EN 14511-2 | Calefacción

|                    | Baja temperatura | Media temperatura |
|--------------------|------------------|-------------------|
| COP                | 5.00             | 3.00              |
| Salida calefacción | 6.20 kW          | 6.00 kW           |
| Entrada EI         | 1.24 kW          | 2.00 kW           |

## EN 12102-1 | Clima medio

|                                       | Baja temperatura | Media temperatura |
|---------------------------------------|------------------|-------------------|
| Potencia sonora de la unidad interior | 38 dB(A)         | 38 dB(A)          |
| Potencia sonora de la unidad exterior | 58 dB(A)         | 58 dB(A)          |

## EN 14825 | Clima medio

|                | Baja temperatura | Media temperatura |
|----------------|------------------|-------------------|
| $\eta_s$       | 195 %            | 138 %             |
| Prated         | 6.82 kW          | 5.70 kW           |
| SCOP           | 4.95             | 3.52              |
| Tbiv           | -7 °C            | -7 °C             |
| TOL            | -10 °C           | -10 °C            |
| Pdh Tj = -7°C  | 6.03 kW          | 5.05 kW           |
| COP Tj = -7°C  | 3.09             | 2.17              |
| Cdh Tj = -7 °C | 0.90             | 0.90              |
| Pdh Tj = +2°C  | 3.88 kW          | 3.12 kW           |
| COP Tj = +2°C  | 4.85             | 3.51              |
| Cdh Tj = +2 °C | 0.90             | 0.90              |

|                                                      |              |              |
|------------------------------------------------------|--------------|--------------|
| Pdh Tj = +7°C                                        | 2.40 kW      | 2.09 kW      |
| COP Tj = +7°C                                        | 6.63         | 4.54         |
| Cdh Tj = +7 °C                                       | 0.90         | 0.90         |
| Pdh Tj = 12°C                                        | 1.39 kW      | 1.28 kW      |
| COP Tj = 12°C                                        | 7.83         | 5.59         |
| Cdh Tj = +12 °C                                      | 0.90         | 0.90         |
| Pdh Tj = Tbiv                                        | 6.03 kW      | 5.05 kW      |
| COP Tj = Tbiv                                        | 3.09         | 2.17         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh  | 5.36 kW      | 4.52 kW      |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh  | 2.76         | 1.91         |
| WTOL                                                 | 65 °C        | 65 °C        |
| Poff                                                 | 14 W         | 14 W         |
| PTO                                                  | 24 W         | 24 W         |
| PSB                                                  | 14 W         | 14 W         |
| PCK                                                  | 0 W          | 0 W          |
| Calentador suplementario: tipo de energía de entrada | Electricidad | Electricidad |
| Calentador suplementario: PSUP                       | 1.45 kW      | 1.18 kW      |
| Consumo anual de energía QHE                         | 2846 kWh     | 3345 kWh     |

#### EN 12102-1 | Clima frío

|                                       | Baja temperatura | Media temperatura |
|---------------------------------------|------------------|-------------------|
| Potencia sonora de la unidad interior | 38 dB(A)         | 38 dB(A)          |
| Potencia sonora de la unidad exterior | 58 dB(A)         | 58 dB(A)          |

#### EN 14825 | Clima frío

|                 | Baja temperatura | Media temperatura |
|-----------------|------------------|-------------------|
| ηs              | 165 %            | 111 %             |
| Prated          | 5.63 kW          | 4.26 kW           |
| SCOP            | 4.21             | 2.85              |
| Tbiv            | -15 °C           | -15 °C            |
| TOL             | -22 °C           | -22 °C            |
| Pdh Tj = -7°C   | 3.42 kW          | 2.70 kW           |
| COP Tj = -7°C   | 3.59             | 2.46              |
| Cdh Tj = -7 °C  | 0.90             | 0.90              |
| Pdh Tj = +2°C   | 2.06 kW          | 1.61 kW           |
| COP Tj = +2°C   | 5.21             | 3.36              |
| Cdh Tj = +2 °C  | 0.90             | 0.90              |
| Pdh Tj = +7°C   | 1.47 kW          | 1.02 kW           |
| COP Tj = +7°C   | 6.24             | 3.94              |
| Cdh Tj = +7 °C  | 0.90             | 0.90              |
| Pdh Tj = 12°C   | 1.44 kW          | 1.37 kW           |
| COP Tj = 12°C   | 7.66             | 6.35              |
| Cdh Tj = +12 °C | 0.90             | 0.90              |

|                                                      |              |              |
|------------------------------------------------------|--------------|--------------|
| Pdh Tj = Tbiv                                        | 4.60 kW      | 3.48 kW      |
| COP Tj = Tbiv                                        | 2.53         | 1.86         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh  | 3.48 kW      | 2.10 kW      |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh  | 1.96         | 1.13         |
| WTOL                                                 | 65 °C        | 65 °C        |
| Poff                                                 | 20 W         | 20 W         |
| PTO                                                  | 24 W         | 24 W         |
| PSB                                                  | 14 W         | 14 W         |
| PCK                                                  | 0 W          | 0 W          |
| Pdh Tj = -15°C (if TOL                               | 4.60         | 3.48         |
| COP Tj = -15°C (if TOL                               | 2.53         | 1.86         |
| Cdh Tj = -15 °C                                      | 0.90         | 0.90         |
| Calentador suplementario: tipo de energía de entrada | Electricidad | Electricidad |
| Calentador suplementario: PSUP                       | 2.15 kW      | 2.16 kW      |
| Consumo annual de energia QHE                        | 3301 kWh     | 3681 kWh     |

#### EN 12102-1 | Clima cálido

|                                       | Baja temperatura | Media temperatura |
|---------------------------------------|------------------|-------------------|
| Potencia sonora de la unidad interior | 38 dB(A)         | 38 dB(A)          |
| Potencia sonora de la unidad exterior | 58 dB(A)         | 58 dB(A)          |

#### EN 14825 | Clima cálido

|                                                     | Baja temperatura | Media temperatura |
|-----------------------------------------------------|------------------|-------------------|
| ηs                                                  | 258 %            | 165 %             |
| Prated                                              | 6.12 kW          | 5.15 kW           |
| SCOP                                                | 6.63             | 4.19              |
| Tbiv                                                | 7 °C             | 7 °C              |
| TOL                                                 | 2 °C             | 2 °C              |
| Pdh Tj = +2°C                                       | 5.94 kW          | 5.03 kW           |
| COP Tj = +2°C                                       | 3.91             | 2.48              |
| Cdh Tj = +2 °C                                      | 0.90             | 0.90              |
| Pdh Tj = +7°C                                       | 3.93 kW          | 3.31 kW           |
| COP Tj = +7°C                                       | 5.89             | 3.67              |
| Cdh Tj = +7 °C                                      | 0.90             | 0.90              |
| Pdh Tj = 12°C                                       | 1.80 kW          | 1.60 kW           |
| COP Tj = 12°C                                       | 8.20             | 5.29              |
| Cdh Tj = +12 °C                                     | 0.90             | 0.90              |
| Pdh Tj = Tbiv                                       | 3.93 kW          | 3.31 kW           |
| COP Tj = Tbiv                                       | 5.89             | 3.67              |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.94 kW          | 5.03 kW           |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.91             | 2.48              |
| WTOL                                                | 65 °C            | 65 °C             |

|                                                      |              |              |
|------------------------------------------------------|--------------|--------------|
| Poff                                                 | 14 W         | 14 W         |
| PTO                                                  | 24 W         | 24 W         |
| PSB                                                  | 14 W         | 14 W         |
| PCK                                                  | 0 W          | 0 W          |
| Calentador suplementario: tipo de energía de entrada | Electricidad | Electricidad |
| Calentador suplementario: PSUP                       | 0.18 kW      | 0.12 kW      |
| Consumo anual de energía QHE                         | 1251 kWh     | 1640 kWh     |

## Modelo MHC-V4W/D2N8-B\*\*\*

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| Nombre del modelo                        | MHC-V4W/D2N8-B***                 |
| Aplicación                               | Calefacción ( media temperatura ) |
| Unidades                                 | Exterior                          |
| zona climatica (para calefacción)        | Clima cálido, Clima frío          |
| Reversibilidad                           | Sí                                |
| aplicación para refrigeración (optional) | n/a                               |
| Otras fuentes de calor                   | n/a                               |

## Datos generales

|                             |             |
|-----------------------------|-------------|
| Alimentación eléctrica      | 1x230V 50Hz |
| Producto fuera de selección | n/a         |

## Aire exterior / agua

## EN 14511-4 | Calefacción

|                                                   |          |
|---------------------------------------------------|----------|
| Starting and operating test                       | caducado |
| cortando la trasferencia de calor de caudal medio | caducado |
| Fallo completo de alimentación eléctrica          | caducado |
| Test de desescarche                               | caducado |

## EN 14511-2 | Calefacción

|                    | Baja temperatura | Media temperatura |
|--------------------|------------------|-------------------|
| COP                | 5.10             | 2.95              |
| Salida calefacción | 4.20 kW          | 4.40 kW           |
| Entrada EI         | 0.82 kW          | 1.49 kW           |

## EN 12102-1 | Clima medio

|                                       | Baja temperatura | Media temperatura |
|---------------------------------------|------------------|-------------------|
| Potencia sonora de la unidad exterior | 55 dB(A)         | 55 dB(A)          |

## EN 14825 | Clima medio

|                | Baja temperatura | Media temperatura |
|----------------|------------------|-------------------|
| $\eta_s$       | 191 %            | 130 %             |
| Prated         | 5.52 kW          | 4.40 kW           |
| SCOP           | 4.85             | 3.31              |
| Tbiv           | -7 °C            | -7 °C             |
| TOL            | -10 °C           | -10 °C            |
| Pdh Tj = -7°C  | 4.88 kW          | 3.89 kW           |
| COP Tj = -7°C  | 3.19             | 2.17              |
| Cdh Tj = -7 °C | 0.90             | 0.90              |
| Pdh Tj = +2°C  | 3.06 kW          | 2.38 kW           |
| COP Tj = +2°C  | 4.78             | 3.30              |
| Cdh Tj = +2 °C | 0.90             | 0.90              |
| Pdh Tj = +7°C  | 1.93 kW          | 2.95 kW           |

|                                                      |              |              |
|------------------------------------------------------|--------------|--------------|
| COP Tj = +7°C                                        | 6.13         | 4.41         |
| Cdh Tj = +7 °C                                       | 0.90         | 0.90         |
| Pdh Tj = 12°C                                        | 1.48 kW      | 1.32 kW      |
| COP Tj = 12°C                                        | 8.05         | 5.66         |
| Cdh Tj = +12 °C                                      | 0.90         | 0.90         |
| Pdh Tj = Tbiv                                        | 4.88 kW      | 3.89 kW      |
| COP Tj = Tbiv                                        | 3.19         | 2.17         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh  | 4.42 kW      | 3.42 kW      |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh  | 2.86         | 1.91         |
| WTOL                                                 | 65 °C        | 65 °C        |
| Poff                                                 | 14 W         | 14 W         |
| PTO                                                  | 24 W         | 24 W         |
| PSB                                                  | 14 W         | 14 W         |
| PCK                                                  | 0 W          | 0 W          |
| Calentador suplementario: tipo de energía de entrada | Electricidad | Electricidad |
| Calentador suplementario: PSUP                       | 1.11 kW      | 0.98 kW      |
| Consumo anual de energía QHE                         | 2351 kWh     | 2744 kWh     |

#### EN 12102-1 | Clima frío

|                                       | Baja temperatura | Media temperatura |
|---------------------------------------|------------------|-------------------|
| Potencia sonora de la unidad exterior | 55 dB(A)         | 55 dB(A)          |

#### EN 14825 | Clima frío

|                 | Baja temperatura | Media temperatura |
|-----------------|------------------|-------------------|
| $\eta_s$        | 159 %            | 102 %             |
| Prated          | 4.57 kW          | 3.37 kW           |
| SCOP            | 4.06             | 2.63              |
| Tbiv            | -15 °C           | -15 °C            |
| TOL             | -22 °C           | -22 °C            |
| Pdh Tj = -7°C   | 2.76 kW          | 2.14 kW           |
| COP Tj = -7°C   | 3.49             | 2.32              |
| Cdh Tj = -7 °C  | 0.90             | 0.90              |
| Pdh Tj = +2°C   | 1.77 kW          | 1.28 kW           |
| COP Tj = +2°C   | 4.95             | 2.99              |
| Cdh Tj = +2 °C  | 0.90             | 0.90              |
| Pdh Tj = +7°C   | 1.17 kW          | 1.01 kW           |
| COP Tj = +7°C   | 5.53             | 3.86              |
| Cdh Tj = +7 °C  | 0.90             | 0.90              |
| Pdh Tj = 12°C   | 1.43 kW          | 1.36 kW           |
| COP Tj = 12°C   | 7.67             | 6.28              |
| Cdh Tj = +12 °C | 0.90             | 0.90              |
| Pdh Tj = Tbiv   | 3.72 kW          | 2.75 kW           |
| COP Tj = Tbiv   | 2.57             | 1.74              |

|                                                      |              |              |
|------------------------------------------------------|--------------|--------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh  | 2.80 kW      | 1.64 kW      |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh  | 1.97         | 1.02         |
| WTOL                                                 | 65 °C        | 65 °C        |
| Poff                                                 | 14 W         | 14 W         |
| PTO                                                  | 24 W         | 24 W         |
| PSB                                                  | 14 W         | 14 W         |
| PCK                                                  | 0 W          | 0 W          |
| Pdh Tj = -15°C (if TOL                               | 3.72         | 2.75         |
| COP Tj = -15°C (if TOL                               | 2.57         | 1.74         |
| Cdh Tj = -15 °C                                      | 0.90         | 0.90         |
| Calentador suplementario: tipo de energía de entrada | Electricidad | Electricidad |
| Calentador suplementario: PSUP                       | 1.76 kW      | 1.73 kW      |
| Consumo anual de energía QHE                         | 2770 kWh     | 3159 kWh     |

#### EN 12102-1 | Clima cálido

|                                       | Baja temperatura | Media temperatura |
|---------------------------------------|------------------|-------------------|
| Potencia sonora de la unidad exterior | 55 dB(A)         | 55 dB(A)          |

#### EN 14825 | Clima cálido

|                                                     | Baja temperatura | Media temperatura |
|-----------------------------------------------------|------------------|-------------------|
| $\eta_s$                                            | 254 %            | 162 %             |
| Prated                                              | 5.54 kW          | 5.02 kW           |
| SCOP                                                | 6.52             | 4.14              |
| Tbiv                                                | 7 °C             | 7 °C              |
| TOL                                                 | 2 °C             | 2 °C              |
| Pdh Tj = +2°C                                       | 5.35 kW          | 4.84 kW           |
| COP Tj = +2°C                                       | 3.94             | 2.51              |
| Cdh Tj = +2 °C                                      | 0.90             | 0.90              |
| Pdh Tj = +7°C                                       | 3.56 kW          | 3.23 kW           |
| COP Tj = +7°C                                       | 5.92             | 3.68              |
| Cdh Tj = +7 °C                                      | 0.90             | 0.90              |
| Pdh Tj = 12°C                                       | 1.64 kW          | 1.47 kW           |
| COP Tj = 12°C                                       | 7.91             | 5.15              |
| Cdh Tj = +12 °C                                     | 0.90             | 0.90              |
| Pdh Tj = Tbiv                                       | 3.56 kW          | 3.23 kW           |
| COP Tj = Tbiv                                       | 5.92             | 3.68              |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.35 kW          | 4.84 kW           |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.94             | 2.51              |
| WTOL                                                | 65 °C            | 65 °C             |
| Poff                                                | 14 W             | 14 W              |
| PTO                                                 | 24 W             | 24 W              |
| PSB                                                 | 14 W             | 14 W              |

|                                                      |              |              |
|------------------------------------------------------|--------------|--------------|
| PCK                                                  | 0 W          | 0 W          |
| Calentador suplementario: tipo de energía de entrada | Electricidad | Electricidad |
| Calentador suplementario: PSUP                       | 0.19 kW      | 0.18 kW      |
| Consumo anual de energía QHE                         | 1152 kWh     | 1621 kWh     |

## Modelo MHC-V6W/D2N8-B\*\*\*

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| Nombre del modelo                        | MHC-V6W/D2N8-B***                 |
| Aplicación                               | Calefacción ( media temperatura ) |
| Unidades                                 | Exterior                          |
| zona climatica (para calefacción)        | Clima cálido, Clima frío          |
| Reversibilidad                           | Sí                                |
| aplicación para refrigeración (optional) | n/a                               |
| Otras fuentes de calor                   | n/a                               |

## Datos generales

|                             |             |
|-----------------------------|-------------|
| Alimentación eléctrica      | 1x230V 50Hz |
| Producto fuera de selección | n/a         |

## Aire exterior / agua

## EN 14511-4 | Calefacción

|                                                   |          |
|---------------------------------------------------|----------|
| Starting and operating test                       | caducado |
| cortando la trasferencia de calor de caudal medio | caducado |
| Fallo completo de alimentación eléctrica          | caducado |
| Test de desescarche                               | caducado |

## EN 14511-2 | Calefacción

|                    | Baja temperatura | Media temperatura |
|--------------------|------------------|-------------------|
| COP                | 4.95             | 2.95              |
| Salida calefacción | 6.35 kW          | 6.00 kW           |
| Entrada EI         | 1.28 kW          | 2.03 kW           |

## EN 12102-1 | Clima medio

|                                       | Baja temperatura | Media temperatura |
|---------------------------------------|------------------|-------------------|
| Potencia sonora de la unidad exterior | 58 dB(A)         | 58 dB(A)          |

## EN 14825 | Clima medio

|                | Baja temperatura | Media temperatura |
|----------------|------------------|-------------------|
| $\eta_s$       | 195 %            | 138 %             |
| Prated         | 6.82 kW          | 5.70 kW           |
| SCOP           | 4.95             | 3.52              |
| Tbiv           | -7 °C            | -7 °C             |
| TOL            | -10 °C           | -10 °C            |
| Pdh Tj = -7°C  | 6.03 kW          | 5.05 kW           |
| COP Tj = -7°C  | 3.09             | 2.17              |
| Cdh Tj = -7 °C | 0.90             | 0.90              |
| Pdh Tj = +2°C  | 3.88 kW          | 3.12 kW           |
| COP Tj = +2°C  | 4.85             | 3.51              |
| Cdh Tj = +2 °C | 0.90             | 0.90              |
| Pdh Tj = +7°C  | 2.40 kW          | 2.09 kW           |

|                                                      |              |              |
|------------------------------------------------------|--------------|--------------|
| COP Tj = +7°C                                        | 6.63         | 4.54         |
| Cdh Tj = +7 °C                                       | 0.90         | 0.90         |
| Pdh Tj = 12°C                                        | 1.39 kW      | 1.28 kW      |
| COP Tj = 12°C                                        | 7.83         | 5.59         |
| Cdh Tj = +12 °C                                      | 0.90         | 0.90         |
| Pdh Tj = Tbiv                                        | 6.03 kW      | 5.05 kW      |
| COP Tj = Tbiv                                        | 3.09         | 2.17         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh  | 5.36 kW      | 4.52 kW      |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh  | 2.76         | 1.91         |
| WTOL                                                 | 65 °C        | 65 °C        |
| Poff                                                 | 14 W         | 14 W         |
| PTO                                                  | 24 W         | 24 W         |
| PSB                                                  | 14 W         | 14 W         |
| PCK                                                  | 0 W          | 0 W          |
| Calentador suplementario: tipo de energía de entrada | Electricidad | Electricidad |
| Calentador suplementario: PSUP                       | 1.45 kW      | 1.18 kW      |
| Consumo anual de energía QHE                         | 2846 kWh     | 3345 kWh     |

#### EN 12102-1 | Clima frío

|                                       | Baja temperatura | Media temperatura |
|---------------------------------------|------------------|-------------------|
| Potencia sonora de la unidad exterior | 58 dB(A)         | 58 dB(A)          |

#### EN 14825 | Clima frío

|                 | Baja temperatura | Media temperatura |
|-----------------|------------------|-------------------|
| $\eta_s$        | 165 %            | 111 %             |
| Prated          | 5.63 kW          | 4.26 kW           |
| SCOP            | 4.21             | 2.85              |
| Tbiv            | -15 °C           | -15 °C            |
| TOL             | -22 °C           | -22 °C            |
| Pdh Tj = -7°C   | 3.42 kW          | 2.70 kW           |
| COP Tj = -7°C   | 3.59             | 2.46              |
| Cdh Tj = -7 °C  | 0.90             | 0.90              |
| Pdh Tj = +2°C   | 2.06 kW          | 1.61 kW           |
| COP Tj = +2°C   | 5.21             | 3.36              |
| Cdh Tj = +2 °C  | 0.90             | 0.90              |
| Pdh Tj = +7°C   | 1.47 kW          | 1.02 kW           |
| COP Tj = +7°C   | 6.24             | 3.94              |
| Cdh Tj = +7 °C  | 0.90             | 0.90              |
| Pdh Tj = 12°C   | 1.44 kW          | 1.37 kW           |
| COP Tj = 12°C   | 7.66             | 6.35              |
| Cdh Tj = +12 °C | 0.90             | 0.90              |
| Pdh Tj = Tbiv   | 4.60 kW          | 3.48 kW           |
| COP Tj = Tbiv   | 2.53             | 1.86              |

|                                                      |              |              |
|------------------------------------------------------|--------------|--------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh  | 3.48 kW      | 2.10 kW      |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh  | 1.96         | 1.13         |
| WTOL                                                 | 65 °C        | 65 °C        |
| Poff                                                 | 20 W         | 20 W         |
| PTO                                                  | 24 W         | 24 W         |
| PSB                                                  | 14 W         | 14 W         |
| PCK                                                  | 0 W          | 0 W          |
| Pdh Tj = -15°C (if TOL                               | 4.60         | 3.48         |
| COP Tj = -15°C (if TOL                               | 2.53         | 1.86         |
| Cdh Tj = -15 °C                                      | 0.90         | 0.90         |
| Calentador suplementario: tipo de energía de entrada | Electricidad | Electricidad |
| Calentador suplementario: PSUP                       | 2.15 kW      | 2.16 kW      |
| Consumo anual de energía QHE                         | 3301 kWh     | 3681 kWh     |

#### EN 12102-1 | Clima cálido

|                                       | Baja temperatura | Media temperatura |
|---------------------------------------|------------------|-------------------|
| Potencia sonora de la unidad exterior | 58 dB(A)         | 58 dB(A)          |

#### EN 14825 | Clima cálido

|                                                     | Baja temperatura | Media temperatura |
|-----------------------------------------------------|------------------|-------------------|
| $\eta_s$                                            | 258 %            | 165 %             |
| Prated                                              | 6.12 kW          | 5.15 kW           |
| SCOP                                                | 6.63             | 4.19              |
| Tbiv                                                | 7 °C             | 7 °C              |
| TOL                                                 | 2 °C             | 2 °C              |
| Pdh Tj = +2°C                                       | 5.94 kW          | 5.03 kW           |
| COP Tj = +2°C                                       | 3.91             | 2.48              |
| Cdh Tj = +2 °C                                      | 0.90             | 0.90              |
| Pdh Tj = +7°C                                       | 3.93 kW          | 3.31 kW           |
| COP Tj = +7°C                                       | 5.89             | 3.67              |
| Cdh Tj = +7 °C                                      | 0.90             | 0.90              |
| Pdh Tj = 12°C                                       | 1.80 kW          | 1.60 kW           |
| COP Tj = 12°C                                       | 8.20             | 5.29              |
| Cdh Tj = +12 °C                                     | 0.90             | 0.90              |
| Pdh Tj = Tbiv                                       | 3.93 kW          | 3.31 kW           |
| COP Tj = Tbiv                                       | 5.89             | 3.67              |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.94 kW          | 5.03 kW           |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.91             | 2.48              |
| WTOL                                                | 65 °C            | 65 °C             |
| Poff                                                | 14 W             | 14 W              |
| PTO                                                 | 24 W             | 24 W              |
| PSB                                                 | 14 W             | 14 W              |

|                                                      |              |              |
|------------------------------------------------------|--------------|--------------|
| PCK                                                  | 0 W          | 0 W          |
| Calentador suplementario: tipo de energía de entrada | Electricidad | Electricidad |
| Calentador suplementario: PSUP                       | 0.18 kW      | 0.12 kW      |
| Consumo anual de energía QHE                         | 1251 kWh     | 1640 kWh     |