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| Summary of | M thermal A series 18 22 26 30 kW | Reg. No. | 041-K007-11 | |
|---------------------|--|----------------------------------|-------------|--|
| Certificate Holder | | | | |
| Name | GD Midea Heating & Ventilating Equipment Co., Ltd. | | | |
| Address | Penglai Industry Road | Penglai Industry Road Zip 528311 | | |
| City | Beijiao, Shunde, Foshan | Country | China | |
| Certification Body | BRE Global Limited | | | |
| Subtype title | M thermal A series 18 22 26 30 kW | | | |
| Heat Pump Type | Outdoor Air/Water | | | |
| Refrigerant | R32 | | | |
| Mass Of Refrigerant | 5 kg | | | |
| Certification Date | 02.12.2020 | | | |
| Testing basis | HP Keymark Scheme Rules Rev 08 | | | |



Model: MHC-V18W/D2RN8

| General Data | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |

Heating

| EN 14511-4 | | |
|--|--------|--|
| Shutting off the heat transfer medium flow | passed | |
| Complete power supply failure | passed | |
| | | |
| Defrost test | passed | |
| Starting and operating test | passed | |

| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 18.32 kW | 18.10 kW | |
| El input | 3.96 kW | 6.63 kW | |
| СОР | 4.63 | 2.73 | |

Average Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 71 dB(A) | 71 dB(A) | |





EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_{s} | 181 % | 125 % |
| Prated | 17.99 kW | 17.67 kW |
| SCOP | 4.60 | 3.21 |
| Гbіv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 15.90 kW | 15.61 kW |
| COP Tj = -7°C | 2.85 | 1.72 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +2°C | 9.66 kW | 9.59 kW |
| COP Tj = +2°C | 4.59 | 3.32 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +7°C | 6.56 kW | 6.37 kW |
| COP Tj = +7°C | 5.99 | 4.48 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.76 kW | 3.57 kW |
| COP Tj = 12°C | 7.08 | 5.27 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 15.90 kW | 15.61 kW |
| COP Tj = Tbiv | 2.85 | 1.72 |





| | | - |
|---|----------|-----------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 18.13 kW | 15.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.49 | 1.17 |
| WTOL | 60 °C | 60 °C |
| Poff | 18 W | 18 W |
| PTO | 96 W | 96 W |
| PSB | 18 W | 18 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | electric | electric |
| Supplementary Heater: PSUP | 0 kW | 2.64 kW |
| Annual energy consumption Qhe | 8086 kWh | 11375 kWh |
| | | |

Warmer Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 71 dB(A) | 71 dB(A) | |

| EN 14825 | | |
|------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 226 % | 157 % |
| Prated | 17.67 kW | 18.07 kW |
| SCOP | 5.74 | 4.00 |





| | | TRK database on 5 Mai 202. |
|---|----------|----------------------------|
| Tbiv | 7 °C | 7 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 17.84 kW | 18.44 kW |
| COP Tj = +2°C | 3.53 | 2.12 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = $+7$ °C | 11.36 kW | 11.62 kW |
| $COP Tj = +7^{\circ}C$ | 5.16 | 3.49 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 5.45 kW | 5.35 kW |
| COP Tj = 12°C | 7.01 | 5.09 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 11.36 kW | 11.62 kW |
| COP Tj = Tbiv | 5.16 | 3.49 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 17.84 kW | 18.44 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.12 |
| WTOL | 60 °C | 60 °C |
| Poff | 18 W | 18 W |
| РТО | 96 W | 96 W |
| PSB | 18 W | 18 W |
| РСК | o w | o w |
| Supplementary Heater: Type of energy input | electric | electric |





| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
|-------------------------------|----------|----------|
| Annual energy consumption Qhe | 4116 kWh | 6041 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 71 dB(A) | 71 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 146 % | 97 % |
| Prated | 17.76 kW | 18.38 kW |
| SCOP | 3.73 | 2.50 |
| Tbiv | -15 °C | -7 °C |
| TOL | -22 °C | -15 °C |
| Pdh Tj = -7°C | 11.21 kW | 11.13 kW |
| COP Tj = -7°C | 3.09 | 1.98 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +2°C | 6.64 kW | 6.65 kW |
| COP Tj = +2°C | 4.50 | 3.44 |
| Cdh | 0.90 | 0.90 |
| | ' | - |





| | ink database on 5 Mai 202 |
|-----------|--|
| 4.77 kW | 4.66 kW |
| 5.85 | 4.35 |
| 0.90 | 0.90 |
| 3.95 kW | 3.74 kW |
| 7.18 | 5.68 |
| 0.90 | 0.90 |
| 14.49 kW | 11.13 kW |
| 2.42 | 1.98 |
| 13.14 kW | 13.56 kW |
| 1.67 | 1.21 |
| 60 °C | 60 °C |
| 20 W | 20 W |
| 96 W | 96 W |
| 18 W | 18 W |
| o w | 0 W |
| electric | electric |
| 4.62 kW | 18.38 kW |
| 11740 kWh | 18156 kWh |
| 14.49 | 13.56 |
| 2.42 | 1.21 |
| 0.90 | 0.90 |
| | 5.85 0.90 3.95 kW 7.18 0.90 14.49 kW 2.42 13.14 kW 1.67 60 °C 20 W 96 W 18 W 0 W electric 4.62 kW 11740 kWh 14.49 2.42 |



Model: MHC-V22W/D2RN8

| General Data | | |
|--------------------------|--|--|
| Power supply 3x400V 50Hz | | |

Heating

| EN 14511-4 | | |
|--|--------|--|
| Shutting off the heat transfer medium flow | passed | |
| Complete power supply failure | passed | |
| | | |
| Defrost test | passed | |
| Starting and operating test | passed | |

| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 22.30 kW | 22.10 kW | |
| El input | 5.13 kW | 8.33 kW | |
| СОР | 4.35 | 2.65 | |

Average Climate

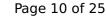
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 73 dB(A) | 73 dB(A) |





EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_{s} | 178 % | 126 % |
| Prated | 22.31 kW | 22.43 kW |
| SCOP | 4.53 | 3.22 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 19.72 kW | 19.82 kW |
| COP Tj = -7°C | 2.74 | 1.74 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +2°C | 12.03 kW | 11.89 kW |
| COP Tj = +2°C | 4.41 | 3.32 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +7°C | 8.00 kW | 7.97 kW |
| COP Tj = +7°C | 6.29 | 4.66 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.79 kW | 3.60 kW |
| COP Tj = 12°C | 7.14 | 5.32 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 19.72 kW | 19.82 kW |
| COP Tj = Tbiv | 2.74 | 1.74 |





| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 20.33 kW | 13.81 kW |
|---|-----------|-----------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.35 | 1.08 |
| WTOL | 60 °C | 60 °C |
| Poff | 18 W | 18 W |
| РТО | 96 W | 96 W |
| PSB | 18 W | 18 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | electric | electric |
| Supplementary Heater: PSUP | 1.97 kW | 8.60 kW |
| Annual energy consumption Qhe | 10180 kWh | 14390 kWh |
| | | |

Warmer Climate

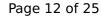
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 73 dB(A) | 73 dB(A) |

| EN 14825 | | |
|------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{S} | 234 % | 161 % |
| Prated | 21.90 kW | 22.01 kW |
| SCOP | 5.85 | 4.09 |
| | | |





| This information was gener | acea by the in Reinn | and database on 5 Mar 202. |
|---|----------------------|----------------------------|
| Tbiv | 7 °C | 7 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 21.81 kW | 22.12 kW |
| $COPTj = +2^{\circ}C$ | 3.31 | 2.12 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = $+7^{\circ}$ C | 14.08 kW | 14.15 kW |
| $COPTj = +7^{\circ}C$ | 5.20 | 3.50 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 6.44 kW | 6.38 kW |
| COP Tj = 12°C | 7.50 | 5.34 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 14.08 kW | 14.15 kW |
| COP Tj = Tbiv | 5.20 | 3.50 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 21.81 kW | 22.12 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.31 | 2.12 |
| WTOL | 60 °C | 60 °C |
| Poff | 18 W | 18 W |
| РТО | 96 W | 96 W |
| PSB | 18 W | 18 W |
| РСК | o w | o w |
| Supplementary Heater: Type of energy input | electric | electric |
| 1 | | |



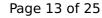


| Supplementary Heater: PSUP | 0.09 kW | 0.00 kW |
|-------------------------------|----------|----------|
| Annual energy consumption Qhe | 4945 kWh | 7180 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 73 dB(A) | 73 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 146 % | 102 % |
| Prated | 21.40 kW | 22.36 kW |
| SCOP | 3.72 | 2.62 |
| Tbiv | -15 °C | -7 °C |
| TOL | -22 °C | -15 °C |
| Pdh Tj = -7°C | 13.30 kW | 13.53 kW |
| COP Tj = -7°C | 3.12 | 2.07 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +2°C | 8.25 kW | 8.61 kW |
| COP Tj = +2°C | 4.42 | 3.70 |
| Cdh | 0.90 | 0.90 |
| | | |





| | ated by the Hi KETMA | TIN Galabase on 5 Mai 2021 |
|---|----------------------|----------------------------|
| Pdh Tj = $+7^{\circ}$ C | 5.45 kW | 5.21 kW |
| $COP Tj = +7^{\circ}C$ | 5.87 | 4.49 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.98 kW | 3.74 kW |
| COP Tj = 12°C | 7.19 | 5.76 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 17.46 kW | 13.53 kW |
| COP Tj = Tbiv | 2.36 | 2.07 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.27 kW | 13.78 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.69 | 1.24 |
| WTOL | 60 °C | 60 °C |
| Poff | 20 W | 20 W |
| РТО | 96 W | 96 W |
| PSB | 18 W | 18 W |
| РСК | 0 W | 0 W |
| Supplementary Heater: Type of energy input | electric | electric |
| Supplementary Heater: PSUP | 8.13 kW | 22.36 kW |
| Annual energy consumption Qhe | 14179 kWh | 21067 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 17.46 | 13.78 |
| COP Tj = -15 °C (if TOL< -20 °C) | 2.36 | 1.24 |
| Cdh | 0.90 | 0.90 |
| | | |



Model: MHC-V26W/D2RN8

| General Data | |
|--------------------------|--|
| Power supply 3x400V 50Hz | |

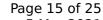
Heating

| EN 14511-4 | | |
|--|--------|--|
| Shutting off the heat transfer medium flow | passed | |
| Complete power supply failure | passed | |
| | | |
| Defrost test | passed | |
| Starting and operating test | passed | |

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 26.30 kW | 26.06 kW |
| El input | 6.50 kW | 10.72 kW |
| СОР | 4.05 | 2.43 |

Average Climate

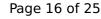
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 75 dB(A) | 75 dB(A) |





EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_{s} | 177 % | 123 % |
| Prated | 25.04 kW | 26.15 kW |
| SCOP | 4.50 | 3.14 |
| Tbiv | -7 °C | -6 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 22.12 kW | 20.64 kW |
| COP Tj = -7°C | 2.57 | 1.69 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +2°C | 13.76 kW | 14.26 kW |
| COP Tj = +2°C | 4.44 | 3.12 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +7°C | 9.36 kW | 9.29 kW |
| COP Tj = +7°C | 6.52 | 4.74 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 4.09 kW | 3.89 kW |
| COP Tj = 12°C | 7.35 | 5.48 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 22.12 kW | 22.11 kW |
| COP Tj = Tbiv | 2.57 | 1.88 |





| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 20.33 kW | 13.86 kW |
|---|-----------|-----------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.35 | 1.08 |
| WTOL | 60 °C | 60 °C |
| Poff | 18 W | 18 W |
| PTO | 96 W | 96 W |
| PSB | 18 W | 18 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | electric | electric |
| Supplementary Heater: PSUP | 4.68 kW | 12.28 kW |
| Annual energy consumption Qhe | 11489 kWh | 17204 kWh |

Warmer Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 75 dB(A) | 75 dB(A) |

| EN 14825 | | | |
|----------------------------------|----------|----------|--|
| Low temperature Medium temperatu | | | |
| η_{s} | 231 % | 168 % | |
| Prated | 26.08 kW | 26.22 kW | |
| SCOP | 5.85 | 4.26 | |





| | TRK database on 5 Mai 202. |
|----------|--|
| 7 °C | 7 °C |
| 2 °C | 2 °C |
| 25.50 kW | 26.50 kW |
| 3.00 | 1.99 |
| 0.90 | 0.90 |
| 16.77 kW | 16.86 kW |
| 5.02 | 3.47 |
| 0.90 | 0.90 |
| 7.65 kW | 7.58 kW |
| 7.78 | 5.94 |
| 0.90 | 0.90 |
| 16.77 kW | 16.86 kW |
| 5.02 | 3.47 |
| 25.50 kW | 26.50 kW |
| 3.00 | 1.99 |
| 60 °C | 60 °C |
| 18 W | 18 W |
| 96 W | 96 W |
| 18 W | 18 W |
| o w | o w |
| electric | electric |
| | 7 °C 2 °C 25.50 kW 3.00 0.90 16.77 kW 5.02 0.90 7.65 kW 7.78 0.90 16.77 kW 5.02 25.50 kW 3.00 60 °C 18 W 96 W 18 W |



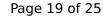


| Supplementary Heater: PSUP | 0.58 kW | 0.00 kW |
|-------------------------------|----------|----------|
| Annual energy consumption Qhe | 5959 kWh | 8218 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 75 dB(A) | 75 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 143 % | 101 % |
| Prated | 25.75 kW | 26.27 kW |
| SCOP | 3.64 | 2.59 |
| Tbiv | -12 °C | -7 °C |
| TOL | -22 °C | -15 °C |
| Pdh Tj = -7°C | 15.91 kW | 15.90 kW |
| COP Tj = -7°C | 3.10 | 2.10 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +2°C | 10.10 kW | 10.17 kW |
| COP Tj = +2°C | 4.45 | 3.58 |
| Cdh | 0.90 | 0.90 |
| | ' | 1 |





| | | INK database on 5 Mai 2021 |
|---|-----------|----------------------------|
| Pdh Tj = +7°C | 6.30 kW | 6.52 kW |
| $COP Tj = +7^{\circ}C$ | 6.06 | 4.99 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 4.03 kW | 3.63 kW |
| COP Tj = 12°C | 7.13 | 5.68 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 18.97 kW | 15.90 kW |
| COP Tj = Tbiv | 2.36 | 2.10 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.07 kW | 13.37 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.67 | 1.20 |
| WTOL | 60 °C | 60 °C |
| Poff | 20 W | 20 W |
| РТО | 96 W | 96 W |
| PSB | 18 W | 18 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | electric | electric |
| Supplementary Heater: PSUP | 12.68 kW | 26.27 kW |
| Annual energy consumption Qhe | 17421 kWh | 24967 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 18.95 | 13.37 |
| COP Tj = -15 °C (if TOL< -20 °C) | 2.27 | 1.20 |
| Cdh | 0.90 | 0.90 |



Model: MHC-V30W/D2RN8

| Genera | al Data |
|--------------|-------------|
| Power supply | 3x400V 50Hz |

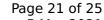
Heating

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 29.93 kW | 29.68 kW |
| El input | 8.02 kW | 12.97 kW |
| СОР | 3.73 | 2.29 |

Average Climate

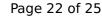
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 77 dB(A) | 77 dB(A) |





EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_{s} | 165 % | 123 % |
| Prated | 29.18 kW | 29.69 kW |
| SCOP | 4.19 | 3.14 |
| Tbiv | -5 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 21.90 kW | 20.11 kW |
| COP Tj = -7°C | 2.54 | 1.63 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +2°C | 16.16 kW | 16.49 kW |
| COP Tj = +2°C | 4.16 | 3.09 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +7°C | 10.64 kW | 10.50 kW |
| COP Tj = +7°C | 6.38 | 4.75 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 4.54 kW | 4.64 kW |
| COP Tj = 12°C | 7.72 | 5.91 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 23.51 kW | 23.97 kW |
| COP Tj = Tbiv | 2.71 | 2.02 |



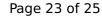


| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 20.37 kW | 13.82 kW |
|---|-----------|--------------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.35 | 1.07 |
| WTOL | 60 °C | 60 °C |
| Poff | 18 W | 18 W |
| РТО | 96 W | 96 W |
| PSB | 18 W | 18 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | electric | electric |
| Supplementary Heater: PSUP | 8.75 kW | 15.86 kW |
| Annual energy consumption Qhe | 14165 kWh | 19316.17 kWh |

Warmer Climate

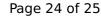
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 77 dB(A) | 77 dB(A) |

| EN 14825 | | |
|------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 213 % | 163 % |
| Prated | 30.44 kW | 29.73 kW |
| SCOP | 5.39 | 4.15 |





| The time that going | | TRK database on 5 Mai 202. |
|---|----------|----------------------------|
| Tbiv | 7 °C | 7 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 26.29 kW | 26.41 kW |
| COP Tj = +2°C | 2.94 | 1.99 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +7°C | 19.57 kW | 19.11 kW |
| $COP Tj = +7^{\circ}C$ | 4.75 | 3.37 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 8.90 kW | 8.92 kW |
| COP Tj = 12°C | 7.53 | 6.09 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 19.57 kW | 19.11 kW |
| COP Tj = Tbiv | 4.75 | 3.37 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 26.29 kW | 26.41 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.94 | 1.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 18 W | 18 W |
| РТО | 96 W | 96 W |
| PSB | 18 W | 18 W |
| РСК | o w | o w |
| Supplementary Heater: Type of energy input | electric | electric |



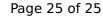


| Supplementary Heater: PSUP | 4.15 kW | 3.32 kW |
|-------------------------------|----------|----------|
| Annual energy consumption Qhe | 7540 kWh | 9580 kWh |

Colder Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 77 dB(A) | 77 dB(A) | |

| EN 14825 | | | |
|---------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{s} | 138 % | 100 % | |
| Prated | 29.13 kW | 30.41 kW | |
| SCOP | 3.52 | 2.56 | |
| Tbiv | -10 °C | -7 °C | |
| TOL | -22 °C | -15 °C | |
| Pdh Tj = -7°C | 18.49 kW | 18.40 kW | |
| COP Tj = -7°C | 3.07 | 2.10 | |
| Cdh | 0.90 | 0.90 | |
| Pdh Tj = +2°C | 11.88 kW | 11.22 kW | |
| COP Tj = +2°C | 4.42 | 3.51 | |
| Cdh | 0.90 | 0.90 | |
| | ' | ı | |





| This information was gener | ated by the HI KETMA | TIC database on 5 Mai 2021 |
|---|----------------------|----------------------------|
| Pdh Tj = $+7$ °C | 7.53 kW | 7.42 kW |
| $COP Tj = +7^{\circ}C$ | 6.15 | 5.18 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 4.11 kW | 3.64 kW |
| COP Tj = 12°C | 6.87 | 5.73 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 19.93 kW | 18.40 kW |
| COP Tj = Tbiv | 2.44 | 2.10 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.17 kW | 13.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.67 | 1.18 |
| WTOL | 60 °C | 60 °C |
| Poff | 18 W | 18 W |
| РТО | 96 W | 96 W |
| PSB | 18 W | 18 W |
| РСК | 0 W | o w |
| Supplementary Heater: Type of energy input | electric | electric |
| Supplementary Heater: PSUP | 15.96 kW | 30.41 kW |
| Annual energy consumption Qhe | 20390 kWh | 29238 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 18.61 | 13.06 |
| COP Tj = -15 °C (if TOL< -20 °C) | 2.24 | 1.18 |
| Cdh | 0.90 | 0.90 |
| | | |