

This information was generated by the HP KEYMARK database on 23 Jun 2022

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| | | | |
|---------------------|---|----------|-------------|
| Summary of | CHAPPEE Eria-N DUO R32 6/8 MR | Reg. No. | 21HK0012/00 |
| Certificate Holder | | | |
| Name | BDR Thermea FR (CHAPPEE) | | |
| Address | 57 rue de la Gare | Zip | 67580 |
| City | Mertzwiller | Country | France |
| Certification Body | Kiwa Nederland B.V. | | |
| Subtype title | CHAPPEE Eria-N DUO R32 6/8 MR | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass of Refrigerant | 1.2 kg | | |
| Certification Date | 12.11.2021 | | |
| Testing basis | European KEYMARK Scheme for Heat Pumps (v9) | | |

Model: AWHPR 6 MR CHAPPEE + Mod.Int. N-DUO 4-8/E R32

| Configure model | |
|-------------------------------------|---|
| Model name | AWHPR 6 MR CHAPPEE + Mod.Int. N-DUO 4-8/E R32 |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C and +18°C/+23°C |

| General Data | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 1.97 kW |
| COP | 5.00 | 2.90 |

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

Cooling

This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 14511-2

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.30 kW | 1.43 kW |
| Cooling capacity | 6.50 | 7.00 |
| EER | 2.83 | 4.88 |

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | +7°C/+12°C | +18°C/+23°C |
|---|-------------------|--------------------|
| P _{designc} | 6.50 kW | 7.00 kW |
| SEER | 3.95 | 5.99 |
| P _{dc} T _j = 35°C | 6.50 kW | 7.00 kW |
| EER T _j = 35°C | 2.83 | 4.88 |
| P _{dc} T _j = 30°C | 4.90 kW | 5.39 kW |
| EER T _j = 30°C | 3.99 | 6.65 |
| C _{dc} | 0.990 | 0.980 |
| P _{dc} T _j = 25°C | 3.10 kW | 3.32 kW |
| EER T _j = 25°C | 4.55 | 4.93 |
| C _{dc} | 0.980 | 0.980 |
| P _{dc} T _j = 20°C | 1.37 kW | 1.78 kW |
| EER T _j = 20°C | 3.96 | 9.48 |
| C _{dc} | 0.960 | 0.930 |
| P _{off} | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Q _{ce} | 987 kWh | 701 kWh |

Average Climate

This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 31 dB(A) | 31 dB(A) |
| Sound power level outdoor | 57 dB(A) | 57 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 177 % | 132 % |
| Prated | 6.50 kW | 6.00 kW |
| SCOP | 4.50 | 3.37 |
| Tbiv | -10 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.90 kW | 5.50 kW |
| COP Tj = -7°C | 3.16 | 2.22 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 3.50 kW | 3.40 kW |
| COP Tj = +2°C | 4.48 | 3.37 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 2.30 kW | 2.10 kW |
| COP Tj = +7°C | 5.61 | 4.07 |
| Cdh Tj = +7 °C | 0.960 | 0.970 |

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 2.50 kW | 2.50 kW |
| COP Tj = 12°C | 6.92 | 6.58 |
| Cdh Tj = +12 °C | 0.960 | 0.970 |
| Pdh Tj = Tbiv | 6.50 kW | 5.50 kW |
| COP Tj = Tbiv | 2.68 | 2.22 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.50 kW | 5.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.68 | 1.82 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.70 kW |
| Annual energy consumption Qhe | 2986 kWh | 3679 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 23 Jun 2022

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 128 % |
| COP | 3.07 |
| Heating up time | 01:32 h:min |
| Standby power input | 28.3 W |
| Reference hot water temperature | 54.1 °C |
| Mixed water at 40°C | 255 l |

Model: AWHPR 6 MR CHAPPEE + Mod.Int. N-DUO 4-8/H R32

| Configure model | |
|-------------------------------------|---|
| Model name | AWHPR 6 MR CHAPPEE + Mod.Int. N-DUO 4-8/H R32 |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C and +18°C/+23°C |

| General Data | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 1.97 kW |
| COP | 5.00 | 2.90 |

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

Cooling

This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 14511-2

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.30 kW | 1.43 kW |
| Cooling capacity | 6.50 | 7.00 |
| EER | 2.83 | 4.88 |

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | +7°C/+12°C | +18°C/+23°C |
|---|-------------------|--------------------|
| P _{designc} | 6.50 kW | 7.00 kW |
| SEER | 3.95 | 5.99 |
| P _{dc} T _j = 35°C | 6.50 kW | 7.00 kW |
| EER T _j = 35°C | 2.83 | 4.88 |
| P _{dc} T _j = 30°C | 4.90 kW | 5.39 kW |
| EER T _j = 30°C | 3.99 | 6.65 |
| C _{dc} | 0.990 | 0.980 |
| P _{dc} T _j = 25°C | 3.10 kW | 3.32 kW |
| EER T _j = 25°C | 4.55 | 4.93 |
| C _{dc} | 0.980 | 0.980 |
| P _{dc} T _j = 20°C | 1.37 kW | 1.78 kW |
| EER T _j = 20°C | 3.96 | 9.48 |
| C _{dc} | 0.960 | 0.930 |
| P _{off} | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Q _{ce} | 987 kWh | 701 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 31 dB(A) | 31 dB(A) |
| Sound power level outdoor | 57 dB(A) | 57 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 177 % | 132 % |
| Prated | 6.50 kW | 6.00 kW |
| SCOP | 4.50 | 3.37 |
| Tbiv | -10 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.90 kW | 5.50 kW |
| COP Tj = -7°C | 3.16 | 2.22 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 3.50 kW | 3.40 kW |
| COP Tj = +2°C | 4.48 | 3.37 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 2.30 kW | 2.10 kW |
| COP Tj = +7°C | 5.61 | 4.07 |
| Cdh Tj = +7 °C | 0.960 | 0.970 |

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 2.50 kW | 2.50 kW |
| COP Tj = 12°C | 6.92 | 6.58 |
| Cdh Tj = +12 °C | 0.960 | 0.970 |
| Pdh Tj = Tbiv | 6.50 kW | 5.50 kW |
| COP Tj = Tbiv | 2.68 | 2.22 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.50 kW | 5.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.68 | 1.82 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.70 kW |
| Annual energy consumption Qhe | 2986 kWh | 3679 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 23 Jun 2022

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 128 % |
| COP | 3.07 |
| Heating up time | 01:32 h:min |
| Standby power input | 28.3 W |
| Reference hot water temperature | 54.1 °C |
| Mixed water at 40°C | 255 l |

Model: AWHPR 6 MR CHAPPEE + Mod.Int. N-DUO 4-8/E R32

| Configure model | |
|-------------------------------------|---|
| Model name | AWHPR 6 MR CHAPPEE + Mod.Int. N-DUO 4-8/E R32 |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C and +18°C/+23°C |

| General Data | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 1.97 kW |
| COP | 5.00 | 2.90 |

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

Cooling

EN 14511-2

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.30 kW | 1.43 kW |
| Cooling capacity | 6.50 | 7.00 |
| EER | 2.83 | 4.88 |

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | +7°C/+12°C | +18°C/+23°C |
|---|-------------------|--------------------|
| P _{designc} | 6.50 kW | 7.00 kW |
| SEER | 3.95 | 5.99 |
| P _{dc} T _j = 35°C | 6.50 kW | 7.00 kW |
| EER T _j = 35°C | 2.83 | 4.88 |
| P _{dc} T _j = 30°C | 4.90 kW | 5.39 kW |
| EER T _j = 30°C | 3.99 | 6.65 |
| C _{dc} | 0.990 | 0.980 |
| P _{dc} T _j = 25°C | 3.10 kW | 3.32 kW |
| EER T _j = 25°C | 4.55 | 4.93 |
| C _{dc} | 0.980 | 0.980 |
| P _{dc} T _j = 20°C | 1.37 kW | 1.78 kW |
| EER T _j = 20°C | 3.96 | 9.48 |
| C _{dc} | 0.960 | 0.930 |
| P _{off} | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Q _{ce} | 987 kWh | 701 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 31 dB(A) | 31 dB(A) |
| Sound power level outdoor | 57 dB(A) | 57 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 177 % | 132 % |
| Prated | 6.50 kW | 6.00 kW |
| SCOP | 4.50 | 3.37 |
| Tbiv | -10 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.90 kW | 5.50 kW |
| COP Tj = -7°C | 3.16 | 2.22 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 3.50 kW | 3.40 kW |
| COP Tj = +2°C | 4.48 | 3.37 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 2.30 kW | 2.10 kW |
| COP Tj = +7°C | 5.61 | 4.07 |
| Cdh Tj = +7 °C | 0.960 | 0.970 |

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 2.50 kW | 2.50 kW |
| COP Tj = 12°C | 6.92 | 6.58 |
| Cdh Tj = +12 °C | 0.960 | 0.970 |
| Pdh Tj = Tbiv | 6.50 kW | 5.50 kW |
| COP Tj = Tbiv | 2.68 | 2.22 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.50 kW | 5.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.68 | 1.82 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.70 kW |
| Annual energy consumption Qhe | 2986 kWh | 3679 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | M |
| Efficiency η_{DHW} | 122 % |
| COP | 2.88 |
| Heating up time | 01:32 h:min |
| Standby power input | 20.4 W |
| Reference hot water temperature | 54.2 °C |
| Mixed water at 40°C | 261 l |

Model: AWHPR 6 MR CHAPPEE + Mod.Int. N-DUO 4-8/H R32

| Configure model | |
|-------------------------------------|---|
| Model name | AWHPR 6 MR CHAPPEE + Mod.Int. N-DUO 4-8/H R32 |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C and +18°C/+23°C |

| General Data | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 1.97 kW |
| COP | 5.00 | 2.90 |

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

Cooling

EN 14511-2

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.30 kW | 1.43 kW |
| Cooling capacity | 6.50 | 7.00 |
| EER | 2.83 | 4.88 |

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | +7°C/+12°C | +18°C/+23°C |
|---|-------------------|--------------------|
| P _{designc} | 6.50 kW | 7.00 kW |
| SEER | 3.95 | 5.99 |
| P _{dc} T _j = 35°C | 6.50 kW | 7.00 kW |
| EER T _j = 35°C | 2.83 | 4.88 |
| P _{dc} T _j = 30°C | 4.90 kW | 5.39 kW |
| EER T _j = 30°C | 3.99 | 6.65 |
| C _{dc} | 0.990 | 0.980 |
| P _{dc} T _j = 25°C | 3.10 kW | 3.32 kW |
| EER T _j = 25°C | 4.55 | 4.93 |
| C _{dc} | 0.980 | 0.980 |
| P _{dc} T _j = 20°C | 1.37 kW | 1.78 kW |
| EER T _j = 20°C | 3.96 | 9.48 |
| C _{dc} | 0.960 | 0.930 |
| P _{off} | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Q _{ce} | 987 kWh | 701 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 31 dB(A) | 31 dB(A) |
| Sound power level outdoor | 57 dB(A) | 57 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 177 % | 132 % |
| Prated | 6.50 kW | 6.00 kW |
| SCOP | 4.50 | 3.37 |
| Tbiv | -10 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.90 kW | 5.50 kW |
| COP Tj = -7°C | 3.16 | 2.22 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 3.50 kW | 3.40 kW |
| COP Tj = +2°C | 4.48 | 3.37 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 2.30 kW | 2.10 kW |
| COP Tj = +7°C | 5.61 | 4.07 |
| Cdh Tj = +7 °C | 0.960 | 0.970 |

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 2.50 kW | 2.50 kW |
| COP Tj = 12°C | 6.92 | 6.58 |
| Cdh Tj = +12 °C | 0.960 | 0.970 |
| Pdh Tj = Tbiv | 6.50 kW | 5.50 kW |
| COP Tj = Tbiv | 2.68 | 2.22 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.50 kW | 5.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.68 | 1.82 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.70 kW |
| Annual energy consumption Qhe | 2986 kWh | 3679 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | M |
| Efficiency η_{DHW} | 122 % |
| COP | 2.88 |
| Heating up time | 01:32 h:min |
| Standby power input | 20.4 W |
| Reference hot water temperature | 54.2 °C |
| Mixed water at 40°C | 261 l |

Model: AWHPR 8 MR CHAPPEE + Mod.Int. N-DUO 4-8/E R32

| Configure model | |
|-------------------------------------|---|
| Model name | AWHPR 8 MR CHAPPEE + Mod.Int. N-DUO 4-8/E R32 |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C and +18°C/+23°C |

| General Data | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 7.67 kW | 8.18 kW |
| El input | 1.62 kW | 2.88 kW |
| COP | 4.73 | 2.84 |

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

Cooling

EN 14511-2

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.33 kW | 1.45 kW |
| Cooling capacity | 6.50 | 7.10 |
| EER | 2.79 | 4.88 |

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | +7°C/+12°C | +18°C/+23°C |
|---|-------------------|--------------------|
| P _{designc} | 6.50 kW | 7.10 kW |
| SEER | 4.32 | 5.82 |
| P _{dc} T _j = 35°C | 6.50 kW | 7.10 kW |
| EER T _j = 35°C | 2.79 | 4.88 |
| P _{dc} T _j = 30°C | 4.97 kW | 5.65 kW |
| EER T _j = 30°C | 3.96 | 6.71 |
| C _{dc} | 0.990 | 0.990 |
| P _{dc} T _j = 25°C | 3.35 kW | 3.18 kW |
| EER T _j = 25°C | 4.74 | 5.26 |
| C _{dc} | 0.980 | 0.980 |
| P _{dc} T _j = 20°C | 1.55 kW | 1.67 kW |
| EER T _j = 20°C | 5.50 | 7.40 |
| C _{dc} | 0.950 | 0.930 |
| P _{off} | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Q _{ce} | 904 kWh | 732 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 32 dB(A) | 32 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 176 % | 125 % |
| Prated | 7.00 kW | 7.00 kW |
| SCOP | 4.48 | 3.21 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.06 kW | 6.19 kW |
| COP Tj = -7°C | 2.97 | 1.95 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.12 kW | 3.79 kW |
| COP Tj = +2°C | 4.46 | 3.24 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 2.78 kW | 2.49 kW |
| COP Tj = +7°C | 5.70 | 4.10 |
| Cdh Tj = +7 °C | 0.970 | 0.970 |

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 2.67 kW | 2.55 kW |
| COP Tj = 12°C | 7.80 | 6.10 |
| Cdh Tj = +12 °C | 0.960 | 0.960 |
| Pdh Tj = Tbiv | 6.06 kW | 6.19 kW |
| COP Tj = Tbiv | 2.97 | 1.95 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.64 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.58 | 1.66 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.36 kW | 2.10 kW |
| Annual energy consumption Qhe | 3225 kWh | 4504 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 23 Jun 2022

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 125 % |
| COP | 2.99 |
| Heating up time | 01:41 h:min |
| Standby power input | 30.0 W |
| Reference hot water temperature | 54.9 °C |
| Mixed water at 40°C | 264 l |

Model: AWHPR 8 MR CHAPPEE + Mod.Int. N-DUO 4-8/H R32

| Configure model | |
|-------------------------------------|---|
| Model name | AWHPR 8 MR CHAPPEE + Mod.Int. N-DUO 4-8/H R32 |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C and +18°C/+23°C |

| General Data | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 7.67 kW | 8.18 kW |
| El input | 1.62 kW | 2.88 kW |
| COP | 4.73 | 2.84 |

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

Cooling

EN 14511-2

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.33 kW | 1.45 kW |
| Cooling capacity | 6.50 | 7.10 |
| EER | 2.79 | 4.88 |

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | +7°C/+12°C | +18°C/+23°C |
|---|-------------------|--------------------|
| P _{designc} | 6.50 kW | 7.10 kW |
| SEER | 4.32 | 5.82 |
| P _{dc} T _j = 35°C | 6.50 kW | 7.10 kW |
| EER T _j = 35°C | 2.79 | 4.88 |
| P _{dc} T _j = 30°C | 4.97 kW | 5.65 kW |
| EER T _j = 30°C | 3.96 | 6.71 |
| C _{dc} | 0.990 | 0.990 |
| P _{dc} T _j = 25°C | 3.35 kW | 3.18 kW |
| EER T _j = 25°C | 4.74 | 5.26 |
| C _{dc} | 0.980 | 0.980 |
| P _{dc} T _j = 20°C | 1.55 kW | 1.67 kW |
| EER T _j = 20°C | 5.50 | 7.40 |
| C _{dc} | 0.950 | 0.930 |
| P _{off} | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Q _{ce} | 904 kWh | 732 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 32 dB(A) | 32 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 176 % | 125 % |
| Prated | 7.00 kW | 7.00 kW |
| SCOP | 4.48 | 3.21 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.06 kW | 6.19 kW |
| COP Tj = -7°C | 2.97 | 1.95 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.12 kW | 3.79 kW |
| COP Tj = +2°C | 4.46 | 3.24 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 2.78 kW | 2.49 kW |
| COP Tj = +7°C | 5.70 | 4.10 |
| Cdh Tj = +7 °C | 0.970 | 0.970 |

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 2.67 kW | 2.55 kW |
| COP Tj = 12°C | 7.80 | 6.10 |
| Cdh Tj = +12 °C | 0.960 | 0.960 |
| Pdh Tj = Tbiv | 6.06 kW | 6.19 kW |
| COP Tj = Tbiv | 2.97 | 1.95 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.64 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.58 | 1.66 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.36 kW | 2.10 kW |
| Annual energy consumption Qhe | 3225 kWh | 4504 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 23 Jun 2022

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 125 % |
| COP | 2.99 |
| Heating up time | 01:41 h:min |
| Standby power input | 30.0 W |
| Reference hot water temperature | 54.9 °C |
| Mixed water at 40°C | 264 l |

Model: AWHPR 8 MR CHAPPEE + Mod.Int. N-DUO 4-8/E R32

| Configure model | |
|-------------------------------------|---|
| Model name | AWHPR 8 MR CHAPPEE + Mod.Int. N-DUO 4-8/E R32 |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C and +18°C/+23°C |

| General Data | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 7.67 kW | 8.18 kW |
| El input | 1.62 kW | 2.88 kW |
| COP | 4.73 | 2.84 |

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

Cooling

EN 14511-2

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.33 kW | 1.45 kW |
| Cooling capacity | 6.50 | 7.10 |
| EER | 2.79 | 4.88 |

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | +7°C/+12°C | +18°C/+23°C |
|---|-------------------|--------------------|
| P _{designc} | 6.50 kW | 7.10 kW |
| SEER | 4.32 | 5.82 |
| P _{dc} T _j = 35°C | 6.50 kW | 7.10 kW |
| EER T _j = 35°C | 2.79 | 4.88 |
| P _{dc} T _j = 30°C | 4.97 kW | 5.65 kW |
| EER T _j = 30°C | 3.96 | 6.71 |
| C _{dc} | 0.990 | 0.990 |
| P _{dc} T _j = 25°C | 3.35 kW | 3.18 kW |
| EER T _j = 25°C | 4.74 | 5.26 |
| C _{dc} | 0.980 | 0.980 |
| P _{dc} T _j = 20°C | 1.55 kW | 1.67 kW |
| EER T _j = 20°C | 5.50 | 7.40 |
| C _{dc} | 0.950 | 0.930 |
| P _{off} | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Q _{ce} | 904 kWh | 732 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 32 dB(A) | 32 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 176 % | 125 % |
| Prated | 7.00 kW | 7.00 kW |
| SCOP | 4.48 | 3.21 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.06 kW | 6.19 kW |
| COP Tj = -7°C | 2.97 | 1.95 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.12 kW | 3.79 kW |
| COP Tj = +2°C | 4.46 | 3.24 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 2.78 kW | 2.49 kW |
| COP Tj = +7°C | 5.70 | 4.10 |
| Cdh Tj = +7 °C | 0.970 | 0.970 |

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 2.67 kW | 2.55 kW |
| COP Tj = 12°C | 7.80 | 6.10 |
| Cdh Tj = +12 °C | 0.960 | 0.960 |
| Pdh Tj = Tbiv | 6.06 kW | 6.19 kW |
| COP Tj = Tbiv | 2.97 | 1.95 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.64 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.58 | 1.66 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.36 kW | 2.10 kW |
| Annual energy consumption Qhe | 3225 kWh | 4504 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | M |
| Efficiency η_{DHW} | 121 % |
| COP | 2.84 |
| Heating up time | 01:41 h:min |
| Standby power input | 22.0 W |
| Reference hot water temperature | 55.2 °C |
| Mixed water at 40°C | 272 l |

Model: AWHPR 8 MR CHAPPEE + Mod.Int. N-DUO 4-8/H R32

| Configure model | |
|-------------------------------------|---|
| Model name | AWHPR 8 MR CHAPPEE + Mod.Int. N-DUO 4-8/H R32 |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C and +18°C/+23°C |

| General Data | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 7.67 kW | 8.18 kW |
| El input | 1.62 kW | 2.88 kW |
| COP | 4.73 | 2.84 |

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

Cooling

EN 14511-2

| | +7°C/+12°C | +18°C/+23°C |
|------------------|-------------------|--------------------|
| El input | 2.33 kW | 1.45 kW |
| Cooling capacity | 6.50 | 7.10 |
| EER | 2.79 | 4.88 |

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | +7°C/+12°C | +18°C/+23°C |
|---|-------------------|--------------------|
| P _{designc} | 6.50 kW | 7.10 kW |
| SEER | 4.32 | 5.82 |
| P _{dc} T _j = 35°C | 6.50 kW | 7.10 kW |
| EER T _j = 35°C | 2.79 | 4.88 |
| P _{dc} T _j = 30°C | 4.97 kW | 5.65 kW |
| EER T _j = 30°C | 3.96 | 6.71 |
| C _{dc} | 0.990 | 0.990 |
| P _{dc} T _j = 25°C | 3.35 kW | 3.18 kW |
| EER T _j = 25°C | 4.74 | 5.26 |
| C _{dc} | 0.980 | 0.980 |
| P _{dc} T _j = 20°C | 1.55 kW | 1.67 kW |
| EER T _j = 20°C | 5.50 | 7.40 |
| C _{dc} | 0.950 | 0.930 |
| P _{off} | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Q _{ce} | 904 kWh | 732 kWh |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 32 dB(A) | 32 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 176 % | 125 % |
| Prated | 7.00 kW | 7.00 kW |
| SCOP | 4.48 | 3.21 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.06 kW | 6.19 kW |
| COP Tj = -7°C | 2.97 | 1.95 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.12 kW | 3.79 kW |
| COP Tj = +2°C | 4.46 | 3.24 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 2.78 kW | 2.49 kW |
| COP Tj = +7°C | 5.70 | 4.10 |
| Cdh Tj = +7 °C | 0.970 | 0.970 |

This information was generated by the HP KEYMARK database on 23 Jun 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 2.67 kW | 2.55 kW |
| COP Tj = 12°C | 7.80 | 6.10 |
| Cdh Tj = +12 °C | 0.960 | 0.960 |
| Pdh Tj = Tbiv | 6.06 kW | 6.19 kW |
| COP Tj = Tbiv | 2.97 | 1.95 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.64 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.58 | 1.66 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.36 kW | 2.10 kW |
| Annual energy consumption Qhe | 3225 kWh | 4504 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | M |
| Efficiency η_{DHW} | 121 % |
| COP | 2.84 |
| Heating up time | 01:41 h:min |
| Standby power input | 22.0 W |
| Reference hot water temperature | 55.2 °C |
| Mixed water at 40°C | 272 l |