

Subtype Chappée ERIA S PLUS DUO R32 4-6

| | |
|---------------------|---|
| Certificate Holder | BDR Thermea FR (CHAPPEE) |
| Address | 57 rue de la Gare |
| ZIP | 67580 |
| City | Mertzwiller |
| Country | FR |
| Certification Body | ECC Eurovent Certita Certification |
| Subtype title | Chappée ERIA S PLUS DUO R32 4-6 |
| Registration number | 24.03.013 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.5 kg |
| Certification Date | 19.03.2024 |
| Testing basis | EN 14511: 2018 / EN 14825: 2018 / EN 16147: 2017 / EN 12102-1: 2017 |
| Testing laboratory | BDR Thermea France |

Model ERIA S PLUS DUO R32 4 MR/EM

| | |
|-------------------------------------|-----------------------------|
| Model name | ERIA S PLUS DUO R32 4 MR/EM |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 131 % |
| COP | 3.14 |
| Heating up time | 01:35 h:min |
| Standby power input | 28.5 W |
| Reference hot water temperature | 53 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 4.25 kW | 4.4 kW |
| El input | 0.82 kW | 1.49 kW |
| COP | 5.2 | 2.95 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 4.76 kW | 4.64 kW |
| Cooling capacity | 1.32 | 0.84 |
| EER | 3.6 | 5.5 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 33 dB(A) | 33 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 202 % | 140 % |
| Prated | 5.52 kW | 4.4 kW |
| SCOP | 5.12 | 3.58 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.91 kW | 3.74 kW |
| COP Tj = -7°C | 3.46 | 2.29 |
| Cdh Tj = -7 °C | 0.9 | 0.9 |
| Pdh Tj = +2°C | 3.06 kW | 2.38 kW |
| COP Tj = +2°C | 5.03 | 3.59 |
| Cdh Tj = +2 °C | 0.9 | 0.9 |
| Pdh Tj = +7°C | 1.8 kW | 1.52 kW |
| COP Tj = +7°C | 6.4 | 4.34 |
| Cdh Tj = +7 °C | 0.9 | 0.9 |
| Pdh Tj = 12°C | 1.48 kW | 1.29 kW |
| COP Tj = 12°C | 8.47 | 6.32 |
| Cdh Tj = +12 °C | 0.9 | 0.9 |
| Pdh Tj = Tbiv | 4.91 kW | 3.74 kW |
| COP Tj = Tbiv | 3.46 | 2.29 |
| 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 | 3.01 | 2.08 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.9 | 0.9 |
| 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 |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.11 kW | 0.98 kW |
| Annual energy consumption Qhe | 2225 kWh | 2539 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|----------------|------------|-------------|
| Pdesignc | 4.76 kW | 4.64 kW |
| SEER | 4.44 | 8.25 |
| Pdc Tj = 35°C | 4.76 kW | 4.64 kW |
| EER Tj = 35°C | 3.6 | 5.5 |
| Cdc Tj = 35 °C | 0.9 | 0.9 |

| | | |
|-------------------------------|---------|---------|
| Pdc Tj = 30°C | 3.44 kW | 3.38 kW |
| EER Tj = 30°C | 4.55 | 7.3 |
| Cdc Tj = 30 °C | 0.9 | 0.9 |
| Pdc Tj = 25°C | 2.19 kW | 2.09 kW |
| EER Tj = 25°C | 5.12 | 8.95 |
| Cdc Tj = 25 °C | 0.9 | 0.9 |
| Pdc Tj = 20°C | 0.95 kW | 1.16 kW |
| EER Tj = 20°C | 4.29 | 13.2 |
| Cdc Tj = 20 °C | 0.9 | 0.9 |
| Poff | 14 W | 14 W |
| PTO | 10 W | 10 W |
| PSB | 14 W | 14 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 643 kWh | 337 kWh |

Model ERIA S PLUS DUO R32 4 MR/H

| | |
|-------------------------------------|----------------------------|
| Model name | ERIA S PLUS DUO R32 4 MR/H |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water
EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 131 % |
| COP | 3.14 |
| Heating up time | 01:35 h:min |
| Standby power input | 28.5 W |
| Reference hot water temperature | 53 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 4.25 kW | 4.4 kW |
| El input | 0.82 kW | 1.49 kW |
| COP | 5.2 | 2.95 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 4.76 kW | 4.64 kW |
| Cooling capacity | 1.32 | 0.84 |
| EER | 3.6 | 5.5 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 33 dB(A) | 33 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 202 % | 140 % |
| Prated | 5.52 kW | 4.4 kW |
| SCOP | 5.12 | 3.58 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.91 kW | 3.74 kW |
| COP Tj = -7°C | 3.46 | 2.29 |
| Cdh Tj = -7 °C | 0.9 | 0.9 |
| Pdh Tj = +2°C | 3.06 kW | 2.38 kW |
| COP Tj = +2°C | 5.03 | 3.59 |
| Cdh Tj = +2 °C | 0.9 | 0.9 |
| Pdh Tj = +7°C | 1.8 kW | 1.52 kW |
| COP Tj = +7°C | 6.4 | 4.34 |
| Cdh Tj = +7 °C | 0.9 | 0.9 |
| Pdh Tj = 12°C | 1.48 kW | 1.29 kW |
| COP Tj = 12°C | 8.47 | 6.32 |
| Cdh Tj = +12 °C | 0.9 | 0.9 |
| Pdh Tj = Tbiv | 4.91 kW | 3.74 kW |
| COP Tj = Tbiv | 3.46 | 2.29 |
| 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 | 3.01 | 2.08 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.9 | 0.9 |
| 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 |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.11 kW | 0.98 kW |
| Annual energy consumption Qhe | 2225 kWh | 2539 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|----------------|------------|-------------|
| Pdesignc | 4.76 kW | 4.64 kW |
| SEER | 4.44 | 8.25 |
| Pdc Tj = 35°C | 4.76 kW | 4.64 kW |
| EER Tj = 35°C | 3.6 | 5.5 |
| Cdc Tj = 35 °C | 0.9 | 0.9 |

| | | |
|-------------------------------|---------|---------|
| Pdc Tj = 30°C | 3.44 kW | 3.38 kW |
| EER Tj = 30°C | 4.55 | 7.3 |
| Cdc Tj = 30 °C | 0.9 | 0.9 |
| Pdc Tj = 25°C | 2.19 kW | 2.09 kW |
| EER Tj = 25°C | 5.12 | 8.95 |
| Cdc Tj = 25 °C | 0.9 | 0.9 |
| Pdc Tj = 20°C | 0.95 kW | 1.16 kW |
| EER Tj = 20°C | 4.29 | 13.2 |
| Cdc Tj = 20 °C | 0.9 | 0.9 |
| Poff | 14 W | 14 W |
| PTO | 10 W | 10 W |
| PSB | 14 W | 14 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 643 kWh | 337 kWh |

Model ERIA S PLUS DUO R32 6 MR/EM

| | |
|-------------------------------------|-----------------------------|
| Model name | ERIA S PLUS DUO R32 6 MR/EM |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water
EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 131 % |
| COP | 3.14 |
| Heating up time | 01:35 h:min |
| Standby power input | 28.5 W |
| Reference hot water temperature | 53 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.2 kW | 6 kW |
| El input | 1.24 kW | 2 kW |
| COP | 5 | 3 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 7.18 kW | 6.7 kW |
| Cooling capacity | 2.39 | 1.35 |
| EER | 3.01 | 4.95 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 33 dB(A) | 33 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 201 % | 144 % |
| Prated | 6.82 kW | 5.7 kW |
| SCOP | 5.09 | 3.67 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.03 kW | 5.05 kW |
| COP Tj = -7°C | 3.15 | 2.14 |
| Cdh Tj = -7 °C | 0.9 | 0.9 |
| Pdh Tj = +2°C | 3.88 kW | 3.12 kW |
| COP Tj = +2°C | 4.9 | 3.69 |
| Cdh Tj = +2 °C | 0.9 | 0.9 |
| Pdh Tj = +7°C | 2.4 kW | 2.09 kW |
| COP Tj = +7°C | 7.03 | 4.78 |
| Cdh Tj = +7 °C | 0.9 | 0.9 |
| Pdh Tj = 12°C | 1.39 kW | 1.28 kW |
| COP Tj = 12°C | 8.33 | 5.88 |
| Cdh Tj = +12 °C | 0.9 | 0.9 |
| Pdh Tj = Tbiv | 6.03 kW | 5.05 kW |
| COP Tj = Tbiv | 3.15 | 2.14 |
| 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 | 2.94 | 2.01 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.9 | 0.9 |
| 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 |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.45 kW | 1.18 kW |
| Annual energy consumption Qhe | 2769 kWh | 3212 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|----------------|------------|-------------|
| Pdesignc | 7.18 kW | 6.7 kW |
| SEER | 4.75 | 8.44 |
| Pdc Tj = 35°C | 7.18 kW | 6.7 kW |
| EER Tj = 35°C | 3.01 | 4.95 |
| Cdc Tj = 35 °C | 0.9 | 0.9 |

| | | |
|-------------------------------|---------|---------|
| Pdc Tj = 30°C | 5.21 kW | 4.93 kW |
| EER Tj = 30°C | 4.47 | 7.22 |
| Cdc Tj = 30 °C | 0.9 | 0.9 |
| Pdc Tj = 25°C | 3.42 kW | 3.51 kW |
| EER Tj = 25°C | 5.21 | 9.45 |
| Cdc Tj = 25 °C | 0.9 | 0.9 |
| Pdc Tj = 20°C | 1.51 kW | 1.43 kW |
| EER Tj = 20°C | 5.68 | 12.89 |
| Cdc Tj = 20 °C | 0.9 | 0.9 |
| Poff | 14 W | 14 W |
| PTO | 10 W | 10 W |
| PSB | 14 W | 14 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 907 kWh | 477 kWh |

Model ERIA S PLUS DUO R32 6 MR/H

| | |
|-------------------------------------|----------------------------|
| Model name | ERIA S PLUS DUO R32 6 MR/H |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 131 % |
| COP | 3.14 |
| Heating up time | 01:35 h:min |
| Standby power input | 28.5 W |
| Reference hot water temperature | 53 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.2 kW | 6 kW |
| El input | 1.24 kW | 2 kW |
| COP | 5 | 3 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 7.18 kW | 6.7 kW |
| Cooling capacity | 2.39 | 1.35 |
| EER | 3.01 | 4.95 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 33 dB(A) | 33 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 201 % | 144 % |
| Prated | 6.82 kW | 5.7 kW |
| SCOP | 5.09 | 3.67 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.03 kW | 5.05 kW |
| COP Tj = -7°C | 3.15 | 2.14 |
| Cdh Tj = -7 °C | 0.9 | 0.9 |
| Pdh Tj = +2°C | 3.88 kW | 3.12 kW |
| COP Tj = +2°C | 4.9 | 3.69 |
| Cdh Tj = +2 °C | 0.9 | 0.9 |
| Pdh Tj = +7°C | 2.4 kW | 2.09 kW |
| COP Tj = +7°C | 7.03 | 4.78 |
| Cdh Tj = +7 °C | 0.9 | 0.9 |
| Pdh Tj = 12°C | 1.39 kW | 1.28 kW |
| COP Tj = 12°C | 8.33 | 5.88 |
| Cdh Tj = +12 °C | 0.9 | 0.9 |
| Pdh Tj = Tbiv | 6.03 kW | 5.05 kW |
| COP Tj = Tbiv | 3.15 | 2.14 |
| 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 | 2.94 | 2.01 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.9 | 0.9 |
| 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 |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.45 kW | 1.18 kW |
| Annual energy consumption Qhe | 2769 kWh | 3212 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|----------------|------------|-------------|
| Pdesignc | 7.18 kW | 6.7 kW |
| SEER | 4.75 | 8.44 |
| Pdc Tj = 35°C | 7.18 kW | 6.7 kW |
| EER Tj = 35°C | 3.01 | 4.95 |
| Cdc Tj = 35 °C | 0.9 | 0.9 |

| | | |
|-------------------------------|---------|---------|
| Pdc Tj = 30°C | 5.21 kW | 4.93 kW |
| EER Tj = 30°C | 4.47 | 7.22 |
| Cdc Tj = 30 °C | 0.9 | 0.9 |
| Pdc Tj = 25°C | 3.42 kW | 3.51 kW |
| EER Tj = 25°C | 5.21 | 9.45 |
| Cdc Tj = 25 °C | 0.9 | 0.9 |
| Pdc Tj = 20°C | 1.51 kW | 1.43 kW |
| EER Tj = 20°C | 5.68 | 12.89 |
| Cdc Tj = 20 °C | 0.9 | 0.9 |
| Poff | 14 W | 14 W |
| PTO | 10 W | 10 W |
| PSB | 14 W | 14 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 907 kWh | 477 kWh |