

## Subtype Chappée ERIA S PLUS R32 4-6 &amp; ERIA S PLUS FIT-IN R32 4-6

|                     |                                                          |
|---------------------|----------------------------------------------------------|
| Certificate Holder  | BDR Thermea FR (CHAPPEE)                                 |
| Address             | 57 rue de la Gare                                        |
| ZIP                 | 67580                                                    |
| City                | Mertzwiller                                              |
| Country             | FR                                                       |
| Certification Body  | Kiwa Nederland B.V.                                      |
| Subtype title       | Chappée ERIA S PLUS R32 4-6 & ERIA S PLUS FIT-IN R32 4-6 |
| Registration number | 007-DN0141                                               |
| Heat Pump Type      | Outdoor Air/Water                                        |
| Refrigerant         | R32                                                      |
| Mass of Refrigerant | 1.5 kg                                                   |
| Certification Date  | 11.11.2022                                               |
| Testing basis       | European KEYMARK Scheme for Heat Pumps (v10)             |

## Model ERIA S PLUS FIT-IN R32 4 MR/EM

|                                     |                                |
|-------------------------------------|--------------------------------|
| Model name                          | ERIA S PLUS FIT-IN 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 $\eta_{DHW}$         | 135 %      |
| COP                             | 3.25       |
| Heating up time                 | 1:30 h:min |
| Standby power input             | 27.0 W     |
| Reference hot water temperature | 54.0 °C    |
| Mixed water at 40°C             | 249 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         | 4.40 kW            |
| El input    | 0.82 kW         | 1.49 kW            |
| COP         | 5.20            | 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              | 3.60       | 5.50        |

### 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 |
| $\eta_s$                                            | 193 %           | 132 %              |
| Prated                                              | 5.52 kW         | 4.40 kW            |
| SCOP                                                | 4.90            | 3.38               |
| 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                                      | 0.900           | 0.900              |
| Pdh Tj = +2°C                                       | 3.06 kW         | 2.38 kW            |
| COP Tj = +2°C                                       | 4.78            | 3.30               |
| Cdh Tj = +2 °C                                      | 0.900           | 0.900              |
| Pdh Tj = +7°C                                       | 1.94 kW         | 1.56 kW            |
| COP Tj = +7°C                                       | 6.40            | 4.41               |
| Cdh Tj = +7 °C                                      | 0.900           | 0.900              |
| Pdh Tj = 12°C                                       | 1.48 kW         | 1.32 kW            |
| COP Tj = 12°C                                       | 8.05            | 5.66               |
| Cdh Tj = +12 °C                                     | 0.900           | 0.900              |
| 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               |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900           | 0.900              |
| 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                       | 2326 kWh        | 2686 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      | 3.60       | 5.50        |
| Cdc Tj = 35 °C     | 0.900      | 0.900       |
| Pdc Tj = 30°C      | 3.44 kW    | 3.38 kW     |

|                               |         |         |
|-------------------------------|---------|---------|
| EER Tj = 30°C                 | 4.55    | 7.30    |
| Cdc Tj = 30 °C                | 0.900   | 0.900   |
| Pdc Tj = 25°C                 | 2.19 kW | 2.09 kW |
| EER Tj = 25°C                 | 5.12    | 8.95    |
| Cdc Tj = 25 °C                | 0.900   | 0.900   |
| Pdc Tj = 20°C                 | 0.95 kW | 1.16 kW |
| EER Tj = 20°C                 | 4.29    | 13.20   |
| Cdc Tj = 20 °C                | 0.900   | 0.900   |
| 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 FIT-IN R32 6 MR/EM

|                                     |                                |
|-------------------------------------|--------------------------------|
| Model name                          | ERIA S PLUS FIT-IN 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 $\eta_{DHW}$         | 135 %      |
| COP                             | 3.25       |
| Heating up time                 | 1:30 h:min |
| Standby power input             | 27.0 W     |
| Reference hot water temperature | 54.0 °C    |
| Mixed water at 40°C             | 249 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 | 6.20 kW         | 6.00 kW            |
| El input    | 1.24 kW         | 2.00 kW            |
| COP         | 5.00            | 3.00               |

### EN 14511-2 | Cooling

|                  | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input         | 7.18 kW    | 6.70 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 |
| $\eta_s$                                            | 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                                      | 0.900           | 0.900              |
| Pdh Tj = +2°C                                       | 3.88 kW         | 3.12 kW            |
| COP Tj = +2°C                                       | 4.85            | 3.51               |
| Cdh Tj = +2 °C                                      | 0.900           | 0.900              |
| Pdh Tj = +7°C                                       | 2.40 kW         | 2.09 kW            |
| COP Tj = +7°C                                       | 6.63            | 4.54               |
| Cdh Tj = +7 °C                                      | 0.900           | 0.900              |
| Pdh Tj = 12°C                                       | 1.39 kW         | 1.28 kW            |
| COP Tj = 12°C                                       | 7.83            | 5.59               |
| Cdh Tj = +12 °C                                     | 0.900           | 0.900              |
| 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               |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900           | 0.900              |
| 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                       | 2846 kWh        | 3341 kWh           |

|                    |            |             |
|--------------------|------------|-------------|
| EN 14825   Cooling |            |             |
|                    | +7°C/+12°C | +18°C/+23°C |
| Pdesignc           | 7.18 kW    | 6.70 kW     |
| SEER               | 4.75       | 8.44        |
| Pdc Tj = 35°C      | 7.18 kW    | 6.70 kW     |
| EER Tj = 35°C      | 3.01       | 4.95        |
| Cdc Tj = 35 °C     | 0.900      | 0.900       |
| Pdc Tj = 30°C      | 5.21 kW    | 4.93 kW     |

|                               |         |         |
|-------------------------------|---------|---------|
| EER Tj = 30°C                 | 4.47    | 7.22    |
| Cdc Tj = 30 °C                | 0.900   | 0.900   |
| Pdc Tj = 25°C                 | 3.42 kW | 3.51 kW |
| EER Tj = 25°C                 | 5.21    | 9.45    |
| Cdc Tj = 25 °C                | 0.900   | 0.900   |
| Pdc Tj = 20°C                 | 1.51 kW | 1.43 kW |
| EER Tj = 20°C                 | 5.68    | 12.89   |
| Cdc Tj = 20 °C                | 0.900   | 0.900   |
| 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 R32 4 MR/EM              |                         |                    |
| Model name                                 | ERIA S PLUS R32 4 MR/EM |                    |
| Application                                | Heating (medium 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 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                 | 4.40 kW            |
| El input                                   | 0.82 kW                 | 1.49 kW            |
| COP                                        | 5.20                    | 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                                        | 3.60                    | 5.50               |
| 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 |
| ηs                                         | 193 %                   | 132 %              |
| Prated                                     | 5.52 kW                 | 4.40 kW            |
| SCOP                                       | 4.90                    | 3.38               |
| 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                                      | 0.900       | 0.900       |
| Pdh Tj = +2°C                                       | 3.06 kW     | 2.38 kW     |
| COP Tj = +2°C                                       | 4.78        | 3.30        |
| Cdh Tj = +2 °C                                      | 0.900       | 0.900       |
| Pdh Tj = +7°C                                       | 1.94 kW     | 1.56 kW     |
| COP Tj = +7°C                                       | 6.40        | 4.41        |
| Cdh Tj = +7 °C                                      | 0.900       | 0.900       |
| Pdh Tj = 12°C                                       | 1.48 kW     | 1.32 kW     |
| COP Tj = 12°C                                       | 8.05        | 5.66        |
| Cdh Tj = +12 °C                                     | 0.900       | 0.900       |
| 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        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900       | 0.900       |
| 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                       | 2326 kWh    | 2686 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  | 3.60       | 5.50        |
| Cdc Tj = 35 °C | 0.900      | 0.900       |
| Pdc Tj = 30°C  | 3.44 kW    | 3.38 kW     |
| EER Tj = 30°C  | 4.55       | 7.30        |
| Cdc Tj = 30 °C | 0.900      | 0.900       |
| Pdc Tj = 25°C  | 2.19 kW    | 2.09 kW     |
| EER Tj = 25°C  | 5.12       | 8.95        |
| Cdc Tj = 25 °C | 0.900      | 0.900       |
| Pdc Tj = 20°C  | 0.95 kW    | 1.16 kW     |
| EER Tj = 20°C  | 4.29       | 13.20       |
| Cdc Tj = 20 °C | 0.900      | 0.900       |
| 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 R32 6 MR/EM

|                                     |                         |
|-------------------------------------|-------------------------|
| Model name                          | ERIA S PLUS R32 6 MR/EM |
| Application                         | Heating (medium 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 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 | 6.20 kW         | 6.00 kW            |
| El input    | 1.24 kW         | 2.00 kW            |
| COP         | 5.00            | 3.00               |

### EN 14511-2 | Cooling

|                  | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input         | 7.18 kW    | 6.70 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 |
|----------|-----------------|--------------------|
| $\eta_s$ | 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                                      | 0.900       | 0.900       |
| Pdh Tj = +2°C                                       | 3.88 kW     | 3.12 kW     |
| COP Tj = +2°C                                       | 4.85        | 3.51        |
| Cdh Tj = +2 °C                                      | 0.900       | 0.900       |
| Pdh Tj = +7°C                                       | 2.40 kW     | 2.09 kW     |
| COP Tj = +7°C                                       | 6.63        | 4.54        |
| Cdh Tj = +7 °C                                      | 0.900       | 0.900       |
| Pdh Tj = 12°C                                       | 1.39 kW     | 1.28 kW     |
| COP Tj = 12°C                                       | 7.83        | 5.59        |
| Cdh Tj = +12 °C                                     | 0.900       | 0.900       |
| 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        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900       | 0.900       |
| 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                       | 2846 kWh    | 3341 kWh    |

#### EN 14825 | Cooling

|                |            |             |
|----------------|------------|-------------|
|                | +7°C/+12°C | +18°C/+23°C |
| Pdesignc       | 7.18 kW    | 6.70 kW     |
| SEER           | 4.75       | 8.44        |
| Pdc Tj = 35°C  | 7.18 kW    | 6.70 kW     |
| EER Tj = 35°C  | 3.01       | 4.95        |
| Cdc Tj = 35 °C | 0.900      | 0.900       |
| Pdc Tj = 30°C  | 5.21 kW    | 4.93 kW     |
| EER Tj = 30°C  | 4.47       | 7.22        |
| Cdc Tj = 30 °C | 0.900      | 0.900       |
| Pdc Tj = 25°C  | 3.42 kW    | 3.51 kW     |
| EER Tj = 25°C  | 5.21       | 9.45        |
| Cdc Tj = 25 °C | 0.900      | 0.900       |
| Pdc Tj = 20°C  | 1.51 kW    | 1.43 kW     |
| EER Tj = 20°C  | 5.68       | 12.89       |
| Cdc Tj = 20 °C | 0.900      | 0.900       |
| 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 R32 4 MR/H

|                                     |                        |
|-------------------------------------|------------------------|
| Model name                          | ERIA S PLUS R32 4 MR/H |
| Application                         | Heating (medium 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 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         | 4.40 kW            |
| El input    | 0.82 kW         | 1.49 kW            |
| COP         | 5.20            | 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              | 3.60       | 5.50        |

### 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 |
|----------|-----------------|--------------------|
| $\eta_s$ | 193 %           | 132 %              |
| Prated   | 5.52 kW         | 4.40 kW            |
| SCOP     | 4.90            | 3.38               |
| 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                                      | 0.900       | 0.900       |
| Pdh Tj = +2°C                                       | 3.06 kW     | 2.38 kW     |
| COP Tj = +2°C                                       | 4.78        | 3.30        |
| Cdh Tj = +2 °C                                      | 0.900       | 0.900       |
| Pdh Tj = +7°C                                       | 1.94 kW     | 1.56 kW     |
| COP Tj = +7°C                                       | 6.40        | 4.41        |
| Cdh Tj = +7 °C                                      | 0.900       | 0.900       |
| Pdh Tj = 12°C                                       | 1.48 kW     | 1.32 kW     |
| COP Tj = 12°C                                       | 8.05        | 5.66        |
| Cdh Tj = +12 °C                                     | 0.900       | 0.900       |
| 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        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900       | 0.900       |
| 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                       | 2326 kWh    | 2686 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  | 3.60       | 5.50        |
| Cdc Tj = 35 °C | 0.900      | 0.900       |
| Pdc Tj = 30°C  | 3.44 kW    | 3.38 kW     |
| EER Tj = 30°C  | 4.55       | 7.30        |
| Cdc Tj = 30 °C | 0.900      | 0.900       |
| Pdc Tj = 25°C  | 2.19 kW    | 2.09 kW     |
| EER Tj = 25°C  | 5.12       | 8.95        |
| Cdc Tj = 25 °C | 0.900      | 0.900       |
| Pdc Tj = 20°C  | 0.95 kW    | 1.16 kW     |
| EER Tj = 20°C  | 4.29       | 13.20       |
| Cdc Tj = 20 °C | 0.900      | 0.900       |
| 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 R32 6 MR/H               |                        |                    |
| Model name                                 | ERIA S PLUS R32 6 MR/H |                    |
| Application                                | Heating (medium 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                               | n/a                    |                    |
| Off-peak product                           | n/a                    |                    |
| Outdoor Air/Water                          |                        |                    |
| 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                                | 6.20 kW                | 6.00 kW            |
| El input                                   | 1.24 kW                | 2.00 kW            |
| COP                                        | 5.00                   | 3.00               |
| EN 14511-2   Cooling                       |                        |                    |
|                                            | +7°C/+12°C             | +18°C/+23°C        |
| El input                                   | 7.18 kW                | 6.70 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 |
| ηs                                         | 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                                      | 0.900       | 0.900       |
| Pdh Tj = +2°C                                       | 3.88 kW     | 3.12 kW     |
| COP Tj = +2°C                                       | 4.85        | 3.51        |
| Cdh Tj = +2 °C                                      | 0.900       | 0.900       |
| Pdh Tj = +7°C                                       | 2.40 kW     | 2.09 kW     |
| COP Tj = +7°C                                       | 6.63        | 4.54        |
| Cdh Tj = +7 °C                                      | 0.900       | 0.900       |
| Pdh Tj = 12°C                                       | 1.39 kW     | 1.28 kW     |
| COP Tj = 12°C                                       | 7.83        | 5.59        |
| Cdh Tj = +12 °C                                     | 0.900       | 0.900       |
| 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        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900       | 0.900       |
| 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                       | 2846 kWh    | 3341 kWh    |

#### EN 14825 | Cooling

|                |            |             |
|----------------|------------|-------------|
|                | +7°C/+12°C | +18°C/+23°C |
| Pdesignc       | 7.18 kW    | 6.70 kW     |
| SEER           | 4.75       | 8.44        |
| Pdc Tj = 35°C  | 7.18 kW    | 6.70 kW     |
| EER Tj = 35°C  | 3.01       | 4.95        |
| Cdc Tj = 35 °C | 0.900      | 0.900       |
| Pdc Tj = 30°C  | 5.21 kW    | 4.93 kW     |
| EER Tj = 30°C  | 4.47       | 7.22        |
| Cdc Tj = 30 °C | 0.900      | 0.900       |
| Pdc Tj = 25°C  | 3.42 kW    | 3.51 kW     |
| EER Tj = 25°C  | 5.21       | 9.45        |
| Cdc Tj = 25 °C | 0.900      | 0.900       |
| Pdc Tj = 20°C  | 1.51 kW    | 1.43 kW     |
| EER Tj = 20°C  | 5.68       | 12.89       |
| Cdc Tj = 20 °C | 0.900      | 0.900       |
| 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 |