

## Subtype Ferroli Omnia S 3.2 8-10 - Omnia ST 3.2 8-10

|                     |                                                       |
|---------------------|-------------------------------------------------------|
| Certificate Holder  | Ferroli S.p.A.                                        |
| Address             | Via Ritonda 78/A                                      |
| ZIP                 | 37047                                                 |
| City                | San Bonifacio (VR)                                    |
| Country             | IT                                                    |
| Certification Body  | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title       | Ferroli Omnia S 3.2 8-10 - Omnia ST 3.2 8-10          |
| Registration number | 011-1W0598                                            |
| Heat Pump Type      | Outdoor Air/Water                                     |
| Refrigerant         | R32                                                   |
| Mass of Refrigerant | 1.65 kg                                               |
| Certification Date  | 03.05.2023                                            |
| Testing basis       | HP KEYMARK certification scheme rules V11             |

## Model OMNIA S 3.2 8

|                                     |                                                |
|-------------------------------------|------------------------------------------------|
| Model name                          | OMNIA S 3.2 8                                  |
| Application                         | Heating (medium temp)                          |
| Units                               | Indoor, Outdoor                                |
| Climate zone (for heating)          | Colder, Warmer, Warmer Climate, Colder Climate |
| 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 | 8.40 kW         | 7.50 kW            |
| El input    | 1.63 kW         | 2.36 kW            |
| COP         | 5.15            | 3.18               |

### EN 14511-2 | Cooling

|                  | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input         | 2.22 kW    | 1.64 kW     |
| Cooling capacity | 7.45       | 8.30        |
| EER              | 3.35       | 5.05        |

### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 39 dB(A)        | 39 dB(A)           |
| Sound power level outdoor | 59 dB(A)        | 59 dB(A)           |

### EN 14825 | Average Climate

|          | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| $\eta_s$ | 205 %           | 131 %              |
| Prated   | 8.10 kW         | 6.60 kW            |
| SCOP     | 5.16            | 3.31               |
| Tbiv     | -7 °C           | -7 °C              |
| TOL      | -10 °C          | -10 °C             |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = -7°C                                       | 7.18 kW     | 5.84 kW     |
| COP Tj = -7°C                                       | 3.35        | 2.16        |
| Cdh Tj = -7 °C                                      | 0.900       | 0.900       |
| Pdh Tj = +2°C                                       | 4.65 kW     | 3.75 kW     |
| COP Tj = +2°C                                       | 5.09        | 3.30        |
| Cdh Tj = +2 °C                                      | 0.900       | 0.900       |
| Pdh Tj = +7°C                                       | 2.90 kW     | 2.42 kW     |
| COP Tj = +7°C                                       | 6.82        | 4.34        |
| Cdh Tj = +7 °C                                      | 0.900       | 0.900       |
| Pdh Tj = 12°C                                       | 1.63 kW     | 1.39 kW     |
| COP Tj = 12°C                                       | 8.35        | 5.33        |
| Cdh Tj = +12 °C                                     | 0.900       | 0.900       |
| Pdh Tj = Tbiv                                       | 7.18 kW     | 5.84 kW     |
| COP Tj = Tbiv                                       | 3.35        | 2.16        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.44 kW     | 4.90 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.04        | 1.84        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900       | 0.900       |
| WTOL                                                | 60 °C       | 60 °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                          | 1.66 kW     | 1.70 kW     |
| Annual energy consumption Qhe                       | 3218 kWh    | 4056 kWh    |

#### EN 12102-1 | Colder Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 39 dB(A)        | 39 dB(A)           |
| Sound power level outdoor | 59 dB(A)        | 59 dB(A)           |

#### EN 14825 | Colder Climate

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 170 %           | 112 %              |
| Prated         | 7.00 kW         | 5.80 kW            |
| SCOP           | 4.28            | 2.83               |
| Tbiv           | -15 °C          | -15 °C             |
| TOL            | -22 °C          | -22 °C             |
| Pdh Tj = -7°C  | 4.46 kW         | 3.86 kW            |
| COP Tj = -7°C  | 3.66            | 2.48               |
| Cdh Tj = -7 °C | 0.900           | 0.900              |
| Pdh Tj = +2°C  | 2.69 kW         | 2.21 kW            |
| COP Tj = +2°C  | 5.20            | 3.35               |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = +2 °C                                      | 0.900       | 0.900       |
| Pdh Tj = +7°C                                       | 1.65 kW     | 1.44 kW     |
| COP Tj = +7°C                                       | 6.53        | 4.11        |
| Cdh Tj = +7 °C                                      | 0.900       | 0.900       |
| Pdh Tj = 12°C                                       | 1.65 kW     | 1.46 kW     |
| COP Tj = 12°C                                       | 7.96        | 5.92        |
| Cdh Tj = +12 °C                                     | 0.900       | 0.900       |
| Pdh Tj = Tbiv                                       | 5.69 kW     | 4.71 kW     |
| COP Tj = Tbiv                                       | 2.83        | 1.90        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.06 kW     | 2.80 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.95        | 1.22        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900       | 0.900       |
| WTOL                                                | 60 °C       | 51 °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                          | 2.94 kW     | 3.00 kW     |
| Annual energy consumption Qhe                       | 3976 kWh    | 4950 kWh    |
| Pdh Tj = -15°C (if TOL                              | 5.69        | 4.71        |
| COP Tj = -15°C (if TOL                              | 2.83        | 1.90        |
| Cdh Tj = -15 °C                                     | 0.900       | 0.900       |

#### EN 12102-1 | Warmer Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 39 dB(A)        | 39 dB(A)           |
| Sound power level outdoor | 59 dB(A)        | 59 dB(A)           |

#### EN 14825 | Warmer Climate

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 277 %           | 176 %              |
| Prated         | 8.10 kW         | 7.60 kW            |
| SCOP           | 6.96            | 4.43               |
| Tbiv           | 7 °C            | 7 °C               |
| TOL            | 2 °C            | 2 °C               |
| Pdh Tj = +2°C  | 7.56 kW         | 7.55 kW            |
| COP Tj = +2°C  | 3.98            | 2.59               |
| Cdh Tj = +2 °C | 0.900           | 0.900              |
| Pdh Tj = +7°C  | 5.22 kW         | 4.86 kW            |
| COP Tj = +7°C  | 6.26            | 3.92               |
| Cdh Tj = +7 °C | 0.900           | 0.900              |
| Pdh Tj = 12°C  | 2.62 kW         | 2.31 kW            |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = 12°C                                       | 9.23        | 5.55        |
| Cdh Tj = +12 °C                                     | 0.900       | 0.900       |
| Pdh Tj = Tbiv                                       | 5.22 kW     | 4.86 kW     |
| COP Tj = Tbiv                                       | 6.26        | 3.92        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.56 kW     | 7.55 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.98        | 2.59        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900       | 0.900       |
| WTOL                                                | 60 °C       | 62 °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                          | 0.54 kW     | 0.05 kW     |
| Annual energy consumption Qhe                       | 1551 kWh    | 2259 kWh    |

#### EN 14825 | Cooling

|                               | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc                      | 7.40 kW    | 8.40 kW     |
| SEER                          | 5.78       | 8.91        |
| Pdc Tj = 35°C                 | 7.38 kW    | 8.37 kW     |
| EER Tj = 35°C                 | 3.39       | 5.09        |
| Cdc Tj = 35 °C                | 0.900      | 0.900       |
| Pdc Tj = 30°C                 | 5.72 kW    | 6.47 kW     |
| EER Tj = 30°C                 | 4.71       | 7.02        |
| Cdc Tj = 30 °C                | 0.900      | 0.900       |
| Pdc Tj = 25°C                 | 3.62 kW    | 4.31 kW     |
| EER Tj = 25°C                 | 6.65       | 10.67       |
| Cdc Tj = 25 °C                | 0.900      | 0.900       |
| Pdc Tj = 20°C                 | 1.64 kW    | 1.80 kW     |
| EER Tj = 20°C                 | 8.55       | 13.61       |
| 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 | 768 kWh    | 566 kWh     |

## Model OMNIA S 3.2 10

|                                     |                                                |
|-------------------------------------|------------------------------------------------|
| Model name                          | OMNIA S 3.2 10                                 |
| Application                         | Heating (medium temp)                          |
| Units                               | Indoor, Outdoor                                |
| Climate zone (for heating)          | Colder, Warmer, Warmer Climate, Colder Climate |
| 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 | 10.00 kW        | 9.50 kW            |
| El input    | 2.02 kW         | 3.06 kW            |
| COP         | 4.95            | 3.10               |

### EN 14511-2 | Cooling

|                  | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input         | 2.52 kW    | 2.18 kW     |
| Cooling capacity | 8.20       | 9.90        |
| EER              | 3.25       | 4.55        |

### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 39 dB(A)        | 39 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

### EN 14825 | Average Climate

|          | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| $\eta_s$ | 204 %           | 136 %              |
| Prated   | 9.20 kW         | 7.70 kW            |
| SCOP     | 5.13            | 3.43               |
| Tbiv     | -7 °C           | -7 °C              |
| TOL      | -10 °C          | -10 °C             |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = -7°C                                       | 8.10 kW     | 6.78 kW     |
| COP Tj = -7°C                                       | 3.23        | 2.24        |
| Cdh Tj = -7 °C                                      | 0.900       | 0.900       |
| Pdh Tj = +2°C                                       | 5.18 kW     | 4.28 kW     |
| COP Tj = +2°C                                       | 5.01        | 3.42        |
| Cdh Tj = +2 °C                                      | 0.900       | 0.900       |
| Pdh Tj = +7°C                                       | 3.32 kW     | 2.77 kW     |
| COP Tj = +7°C                                       | 7.08        | 4.52        |
| Cdh Tj = +7 °C                                      | 0.900       | 0.900       |
| Pdh Tj = 12°C                                       | 1.65 kW     | 1.58 kW     |
| COP Tj = 12°C                                       | 8.58        | 5.68        |
| Cdh Tj = +12 °C                                     | 0.900       | 0.900       |
| Pdh Tj = Tbiv                                       | 8.10 kW     | 6.78 kW     |
| COP Tj = Tbiv                                       | 3.23        | 2.24        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.40 kW     | 5.38 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.96        | 1.83        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900       | 0.900       |
| WTOL                                                | 60 °C       | 60 °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                          | 1.80 kW     | 2.32 kW     |
| Annual energy consumption Qhe                       | 3644 kWh    | 4539 kWh    |

#### EN 12102-1 | Colder Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 39 dB(A)        | 39 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

#### EN 14825 | Colder Climate

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 170 %           | 116 %              |
| Prated         | 7.70 kW         | 6.70 kW            |
| SCOP           | 4.28            | 2.93               |
| Tbiv           | -15 °C          | -15 °C             |
| TOL            | -22 °C          | -22 °C             |
| Pdh Tj = -7°C  | 4.83 kW         | 4.27 kW            |
| COP Tj = -7°C  | 3.60            | 2.54               |
| Cdh Tj = -7 °C | 0.900           | 0.900              |
| Pdh Tj = +2°C  | 2.94 kW         | 2.57 kW            |
| COP Tj = +2°C  | 5.26            | 3.51               |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = +2 °C                                      | 0.900       | 0.900       |
| Pdh Tj = +7°C                                       | 1.92 kW     | 1.65 kW     |
| COP Tj = +7°C                                       | 7.08        | 4.37        |
| Cdh Tj = +7 °C                                      | 0.900       | 0.900       |
| Pdh Tj = 12°C                                       | 1.65 kW     | 1.47 kW     |
| COP Tj = 12°C                                       | 7.96        | 5.96        |
| Cdh Tj = +12 °C                                     | 0.900       | 0.900       |
| Pdh Tj = Tbiv                                       | 6.32 kW     | 5.47 kW     |
| COP Tj = Tbiv                                       | 2.64        | 2.00        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.62 kW     | 2.80 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.97        | 1.22        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900       | 0.900       |
| WTOL                                                | 60 °C       | 51 °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                          | 3.08 kW     | 3.91 kW     |
| Annual energy consumption Qhe                       | 4423 kWh    | 5540 kWh    |
| Pdh Tj = -15°C (if TOL                              | 6.32        | 5.47        |
| COP Tj = -15°C (if TOL                              | 2.64        | 2.00        |
| Cdh Tj = -15 °C                                     | 0.900       | 0.900       |

#### EN 12102-1 | Warmer Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 39 dB(A)        | 39 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

#### EN 14825 | Warmer Climate

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 281 %           | 180 %              |
| Prated         | 8.60 kW         | 8.60 kW            |
| SCOP           | 7.06            | 4.53               |
| Tbiv           | 7 °C            | 7 °C               |
| TOL            | 2 °C            | 2 °C               |
| Pdh Tj = +2°C  | 8.44 kW         | 8.06 kW            |
| COP Tj = +2°C  | 3.84            | 2.59               |
| Cdh Tj = +2 °C | 0.900           | 0.900              |
| Pdh Tj = +7°C  | 5.52 kW         | 5.54 kW            |
| COP Tj = +7°C  | 6.18            | 4.10               |
| Cdh Tj = +7 °C | 0.900           | 0.900              |
| Pdh Tj = 12°C  | 2.62 kW         | 2.53 kW            |



|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = 12°C                                       | 9.04        | 5.82        |
| Cdh Tj = +12 °C                                     | 0.900       | 0.900       |
| Pdh Tj = Tbiv                                       | 5.52 kW     | 5.54 kW     |
| COP Tj = Tbiv                                       | 6.18        | 4.10        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.44 kW     | 8.15 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.84        | 2.61        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900       | 0.900       |
| WTOL                                                | 60 °C       | 62 °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                          | 0.16 kW     | 0.45 kW     |
| Annual energy consumption Qhe                       | 1617 kWh    | 2516 kWh    |

#### EN 14825 | Cooling

|                               | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc                      | 8.70 kW    | 10.00 kW    |
| SEER                          | 5.93       | 8.73        |
| Pdc Tj = 35°C                 | 8.73 kW    | 10.01 kW    |
| EER Tj = 35°C                 | 3.21       | 4.64        |
| Cdc Tj = 35 °C                | 0.900      | 0.900       |
| Pdc Tj = 30°C                 | 6.68 kW    | 7.71 kW     |
| EER Tj = 30°C                 | 4.47       | 6.45        |
| Cdc Tj = 30 °C                | 0.900      | 0.900       |
| Pdc Tj = 25°C                 | 4.26 kW    | 5.03 kW     |
| EER Tj = 25°C                 | 7.02       | 10.36       |
| Cdc Tj = 25 °C                | 0.900      | 0.900       |
| Pdc Tj = 20°C                 | 1.94 kW    | 2.32 kW     |
| EER Tj = 20°C                 | 9.54       | 14.98       |
| 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 | 880 kWh    | 687 kWh     |

## Model OMNIA ST 3.2 8

|                                     |                                                |
|-------------------------------------|------------------------------------------------|
| Model name                          | OMNIA ST 3.2 8                                 |
| Application                         | Heating + DHW + low temp                       |
| Units                               | Indoor, Outdoor                                |
| Climate zone (for heating)          | Colder, Warmer, Warmer Climate, Colder Climate |
| 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 $\eta_{DHW}$         | 125 %      |
| COP                             | 2.92       |
| Heating up time                 | 4:05 h:min |
| Standby power input             | 44.0 W     |
| Reference hot water temperature | 50.0 °C    |
| Mixed water at 40°C             | 215 l      |

### EN 16147 | Colder Climate

|                                 |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency $\eta_{DHW}$         | 103 %      |
| COP                             | 2.42       |
| Heating up time                 | 4:56 h:min |
| Standby power input             | 53.0 W     |
| Reference hot water temperature | 50.0 °C    |
| Mixed water at 40°C             | 215 l      |

### EN 16147 | Warmer Climate

|                                 |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency $\eta_{DHW}$         | 148 %      |
| COP                             | 3.48       |
| Heating up time                 | 3:26 h:min |
| Standby power input             | 37.0 W     |
| Reference hot water temperature | 50.0 °C    |
| Mixed water at 40°C             | 215 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 | 8.40 kW         | 7.50 kW            |
| El input    | 1.63 kW         | 2.36 kW            |
| COP         | 5.15            | 3.18               |

#### EN 14511-2 | Cooling

|                  | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input         | 2.22 kW    | 1.64 kW     |
| Cooling capacity | 7.45       | 8.30        |
| EER              | 3.35       | 5.05        |

#### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 39 dB(A)        | 39 dB(A)           |
| Sound power level outdoor | 59 dB(A)        | 59 dB(A)           |

#### EN 14825 | Average Climate

|                                                     | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| $\eta_s$                                            | 205 %           | 131 %              |
| Prated                                              | 8.10 kW         | 6.60 kW            |
| SCOP                                                | 5.16            | 3.31               |
| Tbiv                                                | -7 °C           | -7 °C              |
| TOL                                                 | -10 °C          | -10 °C             |
| Pdh Tj = -7°C                                       | 7.18 kW         | 5.84 kW            |
| COP Tj = -7°C                                       | 3.35            | 2.16               |
| Cdh Tj = -7 °C                                      | 0.900           | 0.900              |
| Pdh Tj = +2°C                                       | 4.65 kW         | 3.75 kW            |
| COP Tj = +2°C                                       | 5.09            | 3.30               |
| Cdh Tj = +2 °C                                      | 0.900           | 0.900              |
| Pdh Tj = +7°C                                       | 2.90 kW         | 2.42 kW            |
| COP Tj = +7°C                                       | 6.82            | 4.34               |
| Cdh Tj = +7 °C                                      | 0.900           | 0.900              |
| Pdh Tj = 12°C                                       | 1.63 kW         | 1.39 kW            |
| COP Tj = 12°C                                       | 8.35            | 5.33               |
| Cdh Tj = +12 °C                                     | 0.900           | 0.900              |
| Pdh Tj = Tbiv                                       | 7.18 kW         | 5.84 kW            |
| COP Tj = Tbiv                                       | 3.35            | 2.16               |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.44 kW         | 4.90 kW            |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.04            | 1.84               |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900       | 0.900       |
| WTOL                                                | 60 °C       | 60 °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                          | 1.66 kW     | 1.70 kW     |
| Annual energy consumption Qhe                       | 3218 kWh    | 4056 kWh    |

#### EN 12102-1 | Colder Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 39 dB(A)        | 39 dB(A)           |
| Sound power level outdoor | 59 dB(A)        | 59 dB(A)           |

#### EN 14825 | Colder Climate

|                                                     | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| $\eta_s$                                            | 170 %           | 112 %              |
| Prated                                              | 7.00 kW         | 5.80 kW            |
| SCOP                                                | 4.28            | 2.83               |
| Tbiv                                                | -15 °C          | -15 °C             |
| TOL                                                 | -22 °C          | -22 °C             |
| Pdh Tj = -7°C                                       | 4.46 kW         | 3.86 kW            |
| COP Tj = -7°C                                       | 3.66            | 2.48               |
| Cdh Tj = -7 °C                                      | 0.900           | 0.900              |
| Pdh Tj = +2°C                                       | 2.69 kW         | 2.21 kW            |
| COP Tj = +2°C                                       | 5.20            | 3.35               |
| Cdh Tj = +2 °C                                      | 0.900           | 0.900              |
| Pdh Tj = +7°C                                       | 1.65 kW         | 1.44 kW            |
| COP Tj = +7°C                                       | 6.53            | 4.11               |
| Cdh Tj = +7 °C                                      | 0.900           | 0.900              |
| Pdh Tj = 12°C                                       | 1.65 kW         | 1.46 kW            |
| COP Tj = 12°C                                       | 7.96            | 5.92               |
| Cdh Tj = +12 °C                                     | 0.900           | 0.900              |
| Pdh Tj = Tbiv                                       | 5.69 kW         | 4.71 kW            |
| COP Tj = Tbiv                                       | 2.83            | 1.90               |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.06 kW         | 2.80 kW            |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.95            | 1.22               |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900           | 0.900              |
| WTOL                                                | 60 °C           | 51 °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                     | 2.94 kW     | 3.00 kW     |
| Annual energy consumption Q <sub>he</sub>      | 3976 kWh    | 4950 kWh    |
| P <sub>dh</sub> T <sub>j</sub> = -15°C (if TOL | 5.69        | 4.71        |
| COP T <sub>j</sub> = -15°C (if TOL             | 2.83        | 1.90        |
| C <sub>dh</sub> T <sub>j</sub> = -15 °C        | 0.900       | 0.900       |

#### EN 12102-1 | Warmer Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 39 dB(A)        | 39 dB(A)           |
| Sound power level outdoor | 59 dB(A)        | 59 dB(A)           |

#### EN 14825 | Warmer Climate

|                                                                                                                             | Low temperature | Medium temperature |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------|
| η <sub>s</sub>                                                                                                              | 277 %           | 176 %              |
| Prated                                                                                                                      | 8.10 kW         | 7.60 kW            |
| SCOP                                                                                                                        | 6.96            | 4.43               |
| T <sub>biv</sub>                                                                                                            | 7 °C            | 7 °C               |
| TOL                                                                                                                         | 2 °C            | 2 °C               |
| P <sub>dh</sub> T <sub>j</sub> = +2°C                                                                                       | 7.56 kW         | 7.55 kW            |
| COP T <sub>j</sub> = +2°C                                                                                                   | 3.98            | 2.59               |
| C <sub>dh</sub> T <sub>j</sub> = +2 °C                                                                                      | 0.900           | 0.900              |
| P <sub>dh</sub> T <sub>j</sub> = +7°C                                                                                       | 5.22 kW         | 4.86 kW            |
| COP T <sub>j</sub> = +7°C                                                                                                   | 6.26            | 3.92               |
| C <sub>dh</sub> T <sub>j</sub> = +7 °C                                                                                      | 0.900           | 0.900              |
| P <sub>dh</sub> T <sub>j</sub> = 12°C                                                                                       | 2.62 kW         | 2.31 kW            |
| COP T <sub>j</sub> = 12°C                                                                                                   | 9.23            | 5.55               |
| C <sub>dh</sub> T <sub>j</sub> = +12 °C                                                                                     | 0.900           | 0.900              |
| P <sub>dh</sub> T <sub>j</sub> = T <sub>biv</sub>                                                                           | 5.22 kW         | 4.86 kW            |
| COP T <sub>j</sub> = T <sub>biv</sub>                                                                                       | 6.26            | 3.92               |
| P <sub>dh</sub> T <sub>j</sub> = TOL or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub> | 7.56 kW         | 7.55 kW            |
| COP T <sub>j</sub> = TOL or COP T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub>                         | 3.98            | 2.59               |
| C <sub>dh</sub> T <sub>j</sub> = TOL or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub> | 0.900           | 0.900              |
| WTOL                                                                                                                        | 60 °C           | 62 °C              |
| P <sub>off</sub>                                                                                                            | 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                                                                                                  | 0.54 kW         | 0.05 kW            |

|                                           |            |             |
|-------------------------------------------|------------|-------------|
| Annual energy consumption Q <sub>he</sub> | 1551 kWh   | 2259 kWh    |
| EN 14825   Cooling                        |            |             |
|                                           | +7°C/+12°C | +18°C/+23°C |
| P <sub>designc</sub>                      | 7.40 kW    | 8.40 kW     |
| SEER                                      | 5.78       | 8.91        |
| P <sub>dc</sub> T <sub>j</sub> = 35°C     | 7.38 kW    | 8.37 kW     |
| EER T <sub>j</sub> = 35°C                 | 3.39       | 5.09        |
| C <sub>dc</sub> T <sub>j</sub> = 35 °C    | 0.900      | 0.900       |
| P <sub>dc</sub> T <sub>j</sub> = 30°C     | 5.72 kW    | 6.47 kW     |
| EER T <sub>j</sub> = 30°C                 | 4.71       | 7.02        |
| C <sub>dc</sub> T <sub>j</sub> = 30 °C    | 0.900      | 0.900       |
| P <sub>dc</sub> T <sub>j</sub> = 25°C     | 3.62 kW    | 4.31 kW     |
| EER T <sub>j</sub> = 25°C                 | 6.65       | 10.67       |
| C <sub>dc</sub> T <sub>j</sub> = 25 °C    | 0.900      | 0.900       |
| P <sub>dc</sub> T <sub>j</sub> = 20°C     | 1.64 kW    | 1.80 kW     |
| EER T <sub>j</sub> = 20°C                 | 8.55       | 13.61       |
| C <sub>dc</sub> T <sub>j</sub> = 20 °C    | 0.900      | 0.900       |
| P <sub>off</sub>                          | 14 W       | 14 W        |
| PTO                                       | 10 W       | 10 W        |
| PSB                                       | 14 W       | 14 W        |
| PCK                                       | 0 W        | 0 W         |
| Annual energy consumption Q <sub>ce</sub> | 768 kWh    | 566 kWh     |

## Model OMNIA ST 3.2 10

|                                     |                                                |
|-------------------------------------|------------------------------------------------|
| Model name                          | OMNIA ST 3.2 10                                |
| Application                         | Heating + DHW + low temp                       |
| Units                               | Indoor, Outdoor                                |
| Climate zone (for heating)          | Colder, Warmer, Warmer Climate, Colder Climate |
| 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 $\eta_{DHW}$         | 126 %      |
| COP                             | 2.95       |
| Heating up time                 | 3:57 h:min |
| Standby power input             | 46.0 W     |
| Reference hot water temperature | 50.0 °C    |
| Mixed water at 40°C             | 215 l      |

### EN 16147 | Colder Climate

|                                 |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency $\eta_{DHW}$         | 104 %      |
| COP                             | 2.44       |
| Heating up time                 | 4:46 h:min |
| Standby power input             | 56.0 W     |
| Reference hot water temperature | 50.0 °C    |
| Mixed water at 40°C             | 215 l      |

### EN 16147 | Warmer Climate

|                                 |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency $\eta_{DHW}$         | 150 %      |
| COP                             | 3.50       |
| Heating up time                 | 3:19 h:min |
| Standby power input             | 39.0 W     |
| Reference hot water temperature | 50.0 °C    |
| Mixed water at 40°C             | 215 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 | 10.00 kW        | 9.50 kW            |
| El input    | 2.02 kW         | 3.06 kW            |
| COP         | 4.95            | 3.10               |

#### EN 14511-2 | Cooling

|                  | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input         | 2.52 kW    | 2.18 kW     |
| Cooling capacity | 8.20       | 9.90        |
| EER              | 3.25       | 4.55        |

#### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 39 dB(A)        | 39 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

#### EN 14825 | Average Climate

|                                                     | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| $\eta_s$                                            | 204 %           | 136 %              |
| Prated                                              | 9.20 kW         | 7.70 kW            |
| SCOP                                                | 5.13            | 3.43               |
| Tbiv                                                | -7 °C           | -7 °C              |
| TOL                                                 | -10 °C          | -10 °C             |
| Pdh Tj = -7°C                                       | 8.10 kW         | 6.78 kW            |
| COP Tj = -7°C                                       | 3.23            | 2.24               |
| Cdh Tj = -7 °C                                      | 0.900           | 0.900              |
| Pdh Tj = +2°C                                       | 5.18 kW         | 4.28 kW            |
| COP Tj = +2°C                                       | 5.01            | 3.42               |
| Cdh Tj = +2 °C                                      | 0.900           | 0.900              |
| Pdh Tj = +7°C                                       | 3.32 kW         | 2.77 kW            |
| COP Tj = +7°C                                       | 7.08            | 4.52               |
| Cdh Tj = +7 °C                                      | 0.900           | 0.900              |
| Pdh Tj = 12°C                                       | 1.65 kW         | 1.58 kW            |
| COP Tj = 12°C                                       | 8.58            | 5.68               |
| Cdh Tj = +12 °C                                     | 0.900           | 0.900              |
| Pdh Tj = Tbiv                                       | 8.10 kW         | 6.78 kW            |
| COP Tj = Tbiv                                       | 3.23            | 2.24               |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.40 kW         | 5.38 kW            |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.96            | 1.83               |



|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900       | 0.900       |
| WTOL                                                | 60 °C       | 60 °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                          | 1.80 kW     | 2.32 kW     |
| Annual energy consumption Qhe                       | 3644 kWh    | 4539 kWh    |

#### EN 12102-1 | Colder Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 39 dB(A)        | 39 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

#### EN 14825 | Colder Climate

|                                                     | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| $\eta_s$                                            | 170 %           | 116 %              |
| Prated                                              | 7.70 kW         | 6.70 kW            |
| SCOP                                                | 4.28            | 2.93               |
| Tbiv                                                | -15 °C          | -15 °C             |
| TOL                                                 | -22 °C          | -22 °C             |
| Pdh Tj = -7°C                                       | 4.83 kW         | 4.27 kW            |
| COP Tj = -7°C                                       | 3.60            | 2.54               |
| Cdh Tj = -7 °C                                      | 0.900           | 0.900              |
| Pdh Tj = +2°C                                       | 2.94 kW         | 2.57 kW            |
| COP Tj = +2°C                                       | 5.26            | 3.51               |
| Cdh Tj = +2 °C                                      | 0.900           | 0.900              |
| Pdh Tj = +7°C                                       | 1.92 kW         | 1.65 kW            |
| COP Tj = +7°C                                       | 7.08            | 4.37               |
| Cdh Tj = +7 °C                                      | 0.900           | 0.900              |
| Pdh Tj = 12°C                                       | 1.65 kW         | 1.47 kW            |
| COP Tj = 12°C                                       | 7.96            | 5.96               |
| Cdh Tj = +12 °C                                     | 0.900           | 0.900              |
| Pdh Tj = Tbiv                                       | 6.32 kW         | 5.47 kW            |
| COP Tj = Tbiv                                       | 2.64            | 2.00               |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.62 kW         | 2.80 kW            |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.97            | 1.22               |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900           | 0.900              |
| WTOL                                                | 60 °C           | 51 °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                      | 3.08 kW     | 3.91 kW     |
| Annual energy consumption Q <sub>he</sub>       | 4423 kWh    | 5540 kWh    |
| P <sub>dh</sub> T <sub>j</sub> = -15 °C (if TOL | 6.32        | 5.47        |
| COP T <sub>j</sub> = -15 °C (if TOL             | 2.64        | 2.00        |
| C <sub>dh</sub> T <sub>j</sub> = -15 °C         | 0.900       | 0.900       |

#### EN 12102-1 | Warmer Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 39 dB(A)        | 39 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

#### EN 14825 | Warmer Climate

|                                                                                                                             | Low temperature | Medium temperature |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------|
| η <sub>s</sub>                                                                                                              | 281 %           | 180 %              |
| Prated                                                                                                                      | 8.60 kW         | 8.60 kW            |
| SCOP                                                                                                                        | 7.06            | 4.53               |
| T <sub>biv</sub>                                                                                                            | 7 °C            | 7 °C               |
| TOL                                                                                                                         | 2 °C            | 2 °C               |
| P <sub>dh</sub> T <sub>j</sub> = +2 °C                                                                                      | 8.44 kW         | 8.06 kW            |
| COP T <sub>j</sub> = +2 °C                                                                                                  | 3.84            | 2.59               |
| C <sub>dh</sub> T <sub>j</sub> = +2 °C                                                                                      | 0.900           | 0.900              |
| P <sub>dh</sub> T <sub>j</sub> = +7 °C                                                                                      | 5.52 kW         | 5.54 kW            |
| COP T <sub>j</sub> = +7 °C                                                                                                  | 6.18            | 4.10               |
| C <sub>dh</sub> T <sub>j</sub> = +7 °C                                                                                      | 0.900           | 0.900              |
| P <sub>dh</sub> T <sub>j</sub> = 12 °C                                                                                      | 2.62 kW         | 2.53 kW            |
| COP T <sub>j</sub> = 12 °C                                                                                                  | 9.04            | 5.82               |
| C <sub>dh</sub> T <sub>j</sub> = +12 °C                                                                                     | 0.900           | 0.900              |
| P <sub>dh</sub> T <sub>j</sub> = T <sub>biv</sub>                                                                           | 5.52 kW         | 5.54 kW            |
| COP T <sub>j</sub> = T <sub>biv</sub>                                                                                       | 6.18            | 4.10               |
| P <sub>dh</sub> T <sub>j</sub> = TOL or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub> | 8.44 kW         | 8.15 kW            |
| COP T <sub>j</sub> = TOL or COP T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub>                         | 3.84            | 2.61               |
| C <sub>dh</sub> T <sub>j</sub> = TOL or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub> | 0.900           | 0.900              |
| WTOL                                                                                                                        | 60 °C           | 62 °C              |
| P <sub>off</sub>                                                                                                            | 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                                                                                                  | 0.16 kW         | 0.45 kW            |

|                                           |            |             |
|-------------------------------------------|------------|-------------|
| Annual energy consumption Q <sub>he</sub> | 1617 kWh   | 2516 kWh    |
| EN 14825   Cooling                        |            |             |
|                                           | +7°C/+12°C | +18°C/+23°C |
| P <sub>designc</sub>                      | 8.70 kW    | 10.00 kW    |
| SEER                                      | 5.93       | 8.73        |
| P <sub>dc</sub> T <sub>j</sub> = 35°C     | 8.73 kW    | 10.01 kW    |
| EER T <sub>j</sub> = 35°C                 | 3.21       | 4.64        |
| C <sub>dc</sub> T <sub>j</sub> = 35 °C    | 0.900      | 0.900       |
| P <sub>dc</sub> T <sub>j</sub> = 30°C     | 6.68 kW    | 7.71 kW     |
| EER T <sub>j</sub> = 30°C                 | 4.47       | 6.45        |
| C <sub>dc</sub> T <sub>j</sub> = 30 °C    | 0.900      | 0.900       |
| P <sub>dc</sub> T <sub>j</sub> = 25°C     | 4.26 kW    | 5.03 kW     |
| EER T <sub>j</sub> = 25°C                 | 7.02       | 10.36       |
| C <sub>dc</sub> T <sub>j</sub> = 25 °C    | 0.900      | 0.900       |
| P <sub>dc</sub> T <sub>j</sub> = 20°C     | 1.94 kW    | 2.32 kW     |
| EER T <sub>j</sub> = 20°C                 | 9.54       | 14.98       |
| C <sub>dc</sub> T <sub>j</sub> = 20 °C    | 0.900      | 0.900       |
| P <sub>off</sub>                          | 14 W       | 14 W        |
| PTO                                       | 10 W       | 10 W        |
| PSB                                       | 14 W       | 14 W        |
| PCK                                       | 0 W        | 0 W         |
| Annual energy consumption Q <sub>ce</sub> | 880 kWh    | 687 kWh     |