

This information was generated by the HP KEYMARK database on 21 Jun 2022

[Login](#)

|                     |                             |          |               |
|---------------------|-----------------------------|----------|---------------|
| Summary of          | S1x55-16                    | Reg. No. | 012-SC0192-19 |
| Certificate Holder  |                             |          |               |
| Name                | Nibe AB                     |          |               |
| Address             | Box 14                      | Zip      | S-28521       |
| City                | Markaryd                    | Country  | Sweden        |
| Certification Body  | RISE CERT                   |          |               |
| Subtype title       | S1x55-16                    |          |               |
| Heat Pump Type      | Brine/Water and Water/Water |          |               |
| Refrigerant         | R407c                       |          |               |
| Mass of Refrigerant | 2.2 kg                      |          |               |
| Certification Date  | 05.08.2019                  |          |               |

## Model: S1255-16

| Configure model                     |                          |
|-------------------------------------|--------------------------|
| Model name                          | S1255-16                 |
| Application                         | Heating + DHW + low temp |
| Units                               | Indoor                   |
| Climate Zone                        | Colder Climate           |
| Reversibility                       | No                       |
| Cooling mode application (optional) | n/a                      |

| General Data     |             |
|------------------|-------------|
| Power supply     | 3x400V 50Hz |
| Off-peak product | No          |

Brine/Water Heat Pump

### Heating

| EN 14511-4   |        |
|--|--------|
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Shutting off the heat transfer medium flow                                 | passed |
| Complete power supply failure  | passed |

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 8.89 kW         | 8.54 kW            |
| El input    | 1.83 kW         | 2.72 kW            |
| COP         | 4.85            | 3.14               |

## Colder Climate

| <b>EN 12102-1</b>        |                        |                           |
|--------------------------|------------------------|---------------------------|
|                          | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level indoor | 42 dB(A)               | 42 dB(A)                  |

| <b>EN 14825</b> |                        |                           |
|-----------------|------------------------|---------------------------|
|                 | <b>Low temperature</b> | <b>Medium temperature</b> |
| $\eta_s$        | 211 %                  | 159 %                     |
| Prated          | 16.00 kW               | 16.00 kW                  |
| SCOP            | 5.48                   | 4.18                      |
| Tbiv            | -22 °C                 | -22 °C                    |
| TOL             | -22 °C                 | -22 °C                    |
| Pdh Tj = -7°C   | 9.80 kW                | 9.80 kW                   |
| COP Tj = -7°C   | 5.10                   | 3.80                      |
| Pdh Tj = +2°C   | 6.00 kW                | 6.00 kW                   |
| COP Tj = +2°C   | 6.10                   | 4.70                      |
| Pdh Tj = +7°C   | 5.70 kW                | 5.60 kW                   |
| COP Tj = +7°C   | 6.10                   | 5.00                      |
| Pdh Tj = 12°C   | 5.70 kW                | 5.60 kW                   |
| COP Tj = 12°C   | 5.60                   | 5.00                      |
| Pdh Tj = Tbiv   | 15.90 kW               | 16.00 kW                  |

This information was generated by the HP KEYMARK database on 21 Jun 2022

|   |             |             |
|---|-------------|-------------|
| COP $T_j = T_{biv}$   | 3.90        | 2.80        |
| P <sub>dh</sub> $T_j = TOL$ or P <sub>dh</sub> $T_j = T_{designh}$ if $TOL < T_{designh}$ | 15.90 kW    | 16.00 kW    |
| COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$                         | 3.90        | 2.80        |
| C <sub>dh</sub> $T_j = TOL$ or P <sub>dh</sub> $T_j = T_{designh}$ if $TOL < T_{designh}$ | 0.99        | 0.99        |
| WTOL  | 65 °C       | 65 °C       |
| P <sub>off</sub>  | 2 W         | 2 W         |
| PTO   | 30 W        | 30 W        |
| PSB   | 7 W         | 7 W         |
| PCK   | 30 W        | 30 W        |
| Supplementary Heater: Type of energy input  | Electricity | Electricity |
| Supplementary Heater: PSUP  | 0.10 kW     | 0.00 kW     |
| Annual energy consumption Q <sub>he</sub>   | 7218 kWh    | 9434 kWh    |

## Average Climate

| <b>EN 12102-1</b>        |                        |                           |
|--------------------------|------------------------|---------------------------|
|                          | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level indoor | 42 dB(A)               | 42 dB(A)                  |

| <b>EN 14825</b> |                        |                           |
|-----------------|------------------------|---------------------------|
|                 | <b>Low temperature</b> | <b>Medium temperature</b> |
| $\eta_s$        | 199 %                  | 154 %                     |

This information was generated by the HP KEYMARK database on 21 Jun 2022

|   |          |          |
|---|----------|----------|
| Prated  | 16.00 kW | 16.00 kW |
| SCOP  | 5.18     | 4.05     |
| Tbiv  | -10 °C   | -10 °C   |
| TOL   | -10 °C   | -10 °C   |
| Pdh Tj = -7°C                                       | 14.20 kW | 14.20 kW |
| COP Tj = -7°C                                       | 4.19     | 3.00     |
| Pdh Tj = +2°C                                       | 8.70 kW  | 8.70 kW  |
| COP Tj = +2°C                                       | 5.26     | 4.10     |
| Pdh Tj = +7°C                                       | 5.70 kW  | 5.60 kW  |
| COP Tj = +7°C                                       | 6.06     | 4.90     |
| Pdh Tj = 12°C                                       | 5.80 kW  | 5.50 kW  |
| COP Tj = 12°C                                       | 5.85     | 5.00     |
| Pdh Tj = Tbiv                                       | 15.90 kW | 16.00 kW |
| COP Tj = Tbiv                                       | 3.90     | 2.80     |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 15.90 kW | 16.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.90     | 2.80     |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.98     | 0.99     |
| WTOL  | 65 °C    | 65 °C    |
| Poff  | 2 W      | 2 W      |
| PTO   | 30 W     | 30 W     |
| PSB   | 7 W      | 7 W      |

This information was generated by the HP KEYMARK database on 21 Jun 2022

|  |             |             |
|--|-------------|-------------|
| PCK  | 30 W        | 30 W        |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP                 | 0.10 kW     | 0.00 kW     |
| Annual energy consumption Q <sub>he</sub>  | 6373 kWh    | 8167 kWh    |

## Domestic Hot Water (DHW)

### Colder Climate

| <b>EN 16147</b>                 |             |
|---------------------------------|-------------|
| Declared load profile           | XL          |
| Efficiency $\eta_{DHW}$         | 98 %        |
| COP                             | 2.45        |
| Heating up time                 | 01:04 h:min |
| Standby power input             | 50.0 W      |
| Reference hot water temperature | 50.0 °C     |
| Mixed water at 40°C             | 240 l       |

### Average Climate

| <b>EN 16147</b>                 |             |
|---------------------------------|-------------|
| Declared load profile           | XL          |
| Efficiency $\eta_{DHW}$         | 98 %        |
| COP                             | 2.45        |
| Heating up time                 | 01:04 h:min |
| Standby power input             | 50.0 W      |
| Reference hot water temperature | 50.0 °C     |
| Mixed water at 40°C             | 240 l       |

Water/Water Heat Pump

## Heating

| <b>EN 14511-4</b>  |        |
|--|--------|
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Shutting off the heat transfer medium flow                                 | passed |
| Complete power supply failure  | passed |

### EN 14511-2

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 11.20 kW        | 10.90 kW           |
| El input    | 1.84 kW         | 2.79 kW            |
| COP         | 6.11            | 3.91               |

## Colder Climate

### EN 12102-1

|                          | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 42 dB(A)        | 42 dB(A)           |

### EN 14825

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 265 %           | 202 %              |
| Prated        | 19.00 kW        | 19.00 kW           |
| SCOP          | 6.82            | 5.25               |
| Tbiv          | -22 °C          | -22 °C             |
| TOL           | -22 °C          | -22 °C             |
| Pdh Tj = -7°C | 11.60 kW        | 11.60 kW           |
| COP Tj = -7°C | 6.51            | 4.82               |
| Pdh Tj = +2°C | 7.30 kW         | 7.10 kW            |



This information was generated by the HP KEYMARK database on 21 Jun 2022

|   |             |             |
|---|-------------|-------------|
| COP Tj = +2°C                                       | 7.56        | 5.87        |
| Pdh Tj = +7°C                                       | 7.30 kW     | 7.00 kW     |
| COP Tj = +7°C                                       | 7.62        | 6.24        |
| Pdh Tj = 12°C                                       | 7.30 kW     | 7.00 kW     |
| COP Tj = 12°C                                       | 7.46        | 6.47        |
| Pdh Tj = Tbiv                                       | 19.00 kW    | 19.00 kW    |
| COP Tj = Tbiv                                       | 5.01        | 3.51        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 19.00 kW    | 19.00 kW    |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 5.01        | 3.51        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.96        | 0.98        |
| WTOL  | 65 °C       | 65 °C       |
| Poff  | 2 W         | 2 W         |
| PTO   | 45 W        | 35 W        |
| PSB   | 10 W        | 7 W         |
| PCK   | 30 W        | 30 W        |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.00 kW     | 0.00 kW     |
| Annual energy consumption Qhe                       | 6861 kWh    | 8907 kWh    |

## Average Climate

### EN 12102-1

|                          | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 42 dB(A)        | 42 dB(A)           |

### EN 14825

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 265 %           | 202 %              |
| Prated        | 19.00 kW        | 19.00 kW           |
| SCOP          | 6.47            | 5.00               |
| Tbiv          | -10 °C          | -10 °C             |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 16.90 kW        | 16.90 kW           |
| COP Tj = -7°C | 5.34            | 3.82               |
| Pdh Tj = +2°C | 10.30 kW        | 10.30 kW           |
| COP Tj = +2°C | 6.61            | 5.08               |
| Pdh Tj = +7°C | 7.20 kW         | 7.00 kW            |
| COP Tj = +7°C | 7.50            | 5.93               |
| Pdh Tj = 12°C | 7.30 kW         | 7.10 kW            |
| COP Tj = 12°C | 7.61            | 6.28               |
| Pdh Tj = Tbiv | 19.00 kW        | 19.00 kW           |
| COP Tj = Tbiv | 5.01            | 3.51               |

This information was generated by the HP KEYMARK database on 21 Jun 2022

|   |             |             |
|---|-------------|-------------|
| $P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$ | 19.00 kW    | 19.00 kW    |
| $COP T_j = TOL$ or $COP T_j = T_{designh}$ if $TOL < T_{designh}$       | 5.01        | 3.51        |
| $C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$ | 0.97        | 0.98        |
| WTOL  | 65 °C       | 65 °C       |
| Poff  | 2 W         | 2 W         |
| PTO   | 45 W        | 35 W        |
| PSB   | 10 W        | 7 W         |
| PCK   | 30 W        | 30 W        |
| Supplementary Heater: Type of energy input                              | Electricity | Electricity |
| Supplementary Heater: PSUP  | 0.00 kW     | 0.00 kW     |
| Annual energy consumption $Q_{he}$                                      | 6070 kWh    | 7834 kWh    |

## Domestic Hot Water (DHW)

### Colder Climate

| <b>EN 16147</b>                 |             |
|---------------------------------|-------------|
| Declared load profile           | XL          |
| Efficiency $\eta_{DHW}$         | 113 %       |
| COP                             | 2.82        |
| Heating up time                 | 00:58 h:min |
| Standby power input             | 45.0 W      |
| Reference hot water temperature | 45.0 °C     |
| Mixed water at 40°C             | 235 l       |

## Average Climate

| <b>EN 16147</b>                 |             |
|---------------------------------|-------------|
| Declared load profile           | XL          |
| Efficiency $\eta_{DHW}$         | 113 %       |
| COP                             | 2.82        |
| Heating up time                 | 00:58 h:min |
| Standby power input             | 45.0 W      |
| Reference hot water temperature | 45.0 °C     |
| Mixed water at 40°C             | 235 l       |

## Model: S1155-16

| Configure model                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | S1155-16              |
| Application                         | Heating (medium temp) |
| Units                               | Indoor                |
| Climate Zone                        | Colder Climate        |
| Reversibility                       | No                    |
| Cooling mode application (optional) | n/a                   |

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

Brine/Water Heat Pump

### Heating

| EN 14511-4   |        |
|--|--------|
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Shutting off the heat transfer medium flow                                 | passed |
| Complete power supply failure  | passed |

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 8.89 kW         | 8.54 kW            |
| El input    | 1.83 kW         | 2.72 kW            |
| COP         | 4.85            | 3.14               |

### Colder Climate

### EN 12102-1

|                          | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 42 dB(A)        | 42 dB(A)           |

### EN 14825

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 211 %           | 159 %              |
| Prated        | 16.00 kW        | 16.00 kW           |
| SCOP          | 5.48            | 4.18               |
| Tbiv          | -22 °C          | -22 °C             |
| TOL           | -22 °C          | -22 °C             |
| Pdh Tj = -7°C | 9.80 kW         | 9.80 kW            |
| COP Tj = -7°C | 5.10            | 3.80               |
| Pdh Tj = +2°C | 6.00 kW         | 6.00 kW            |
| COP Tj = +2°C | 6.10            | 4.70               |
| Pdh Tj = +7°C | 5.70 kW         | 5.60 kW            |
| COP Tj = +7°C | 6.10            | 5.00               |
| Pdh Tj = 12°C | 5.70 kW         | 5.60 kW            |
| COP Tj = 12°C | 5.60            | 5.00               |
| Pdh Tj = Tbiv | 15.90 kW        | 16.00 kW           |
| COP Tj = Tbiv | 3.90            | 2.80               |

This information was generated by the HP KEYMARK database on 21 Jun 2022

|   |             |             |
|---|-------------|-------------|
| $P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$ | 15.90 kW    | 16.00 kW    |
| $COP T_j = TOL$ or $COP T_j = T_{designh}$ if $TOL < T_{designh}$       | 3.90        | 2.80        |
| $C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$ | 0.99        | 0.99        |
| WTOL  | 65 °C       | 65 °C       |
| Poff  | 2 W         | 2 W         |
| PTO   | 30 W        | 30 W        |
| PSB   | 7 W         | 7 W         |
| PCK   | 30 W        | 30 W        |
| Supplementary Heater: Type of energy input                              | Electricity | Electricity |
| Supplementary Heater: PSUP  | 0.10 kW     | 0.00 kW     |
| Annual energy consumption $Q_{he}$                                      | 7218 kWh    | 9434 kWh    |

## Average Climate

| <b>EN 12102-1</b>        |                        |                           |
|--------------------------|------------------------|---------------------------|
|                          | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level indoor | 42 dB(A)               | 42 dB(A)                  |

| <b>EN 14825</b> |                        |                           |
|-----------------|------------------------|---------------------------|
|                 | <b>Low temperature</b> | <b>Medium temperature</b> |
| $\eta_s$        | 199 %                  | 154 %                     |
| Prated          | 16.00 kW               | 16.00 kW                  |

This information was generated by the HP KEYMARK database on 21 Jun 2022

|   |          |          |
|---|----------|----------|
| SCOP  | 5.18     | 4.05     |
| Tbiv  | -10 °C   | -10 °C   |
| TOL   | -10 °C   | -10 °C   |
| Pdh Tj = -7°C                                       | 14.20 kW | 14.20 kW |
| COP Tj = -7°C                                       | 4.19     | 3.00     |
| Pdh Tj = +2°C                                       | 8.70 kW  | 8.70 kW  |
| COP Tj = +2°C                                       | 5.26     | 4.10     |
| Pdh Tj = +7°C                                       | 5.70 kW  | 5.60 kW  |
| COP Tj = +7°C                                       | 6.06     | 4.90     |
| Pdh Tj = 12°C                                       | 5.80 kW  | 5.50 kW  |
| COP Tj = 12°C                                       | 5.85     | 5.00     |
| Pdh Tj = Tbiv                                       | 15.90 kW | 16.00 kW |
| COP Tj = Tbiv                                       | 3.90     | 2.80     |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 15.90 kW | 16.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.90     | 2.80     |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.98     | 0.99     |
| WTOL  | 65 °C    | 65 °C    |
| Poff  | 2 W      | 2 W      |
| PTO   | 30 W     | 30 W     |
| PSB   | 7 W      | 7 W      |
| PCK   | 30 W     | 30 W     |



This information was generated by the HP KEYMARK database on 21 Jun 2022

|  |             |             |
|--|-------------|-------------|
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP                 | 0.10 kW     | 0.00 kW     |
| Annual energy consumption Q <sub>he</sub>  | 6373 kWh    | 8167 kWh    |

Water/Water Heat Pump

## Heating

| <b>EN 14511-4</b>  |        |
|--|--------|
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Shutting off the heat transfer medium flow                                 | passed |
| Complete power supply failure  | passed |

| <b>EN 14511-2</b> |                        |                           |
|-------------------|------------------------|---------------------------|
|                   | <b>Low temperature</b> | <b>Medium temperature</b> |
| Heat output       | 11.20 kW               | 10.90 kW                  |
| El input          | 1.84 kW                | 2.79 kW                   |
| COP               | 6.11                   | 3.91                      |

## Colder Climate

### EN 12102-1

|                          | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 42 dB(A)        | 42 dB(A)           |

### EN 14825

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 265 %           | 202 %              |
| Prated        | 19.00 kW        | 19.00 kW           |
| SCOP          | 6.82            | 5.25               |
| Tbiv          | -22 °C          | -22 °C             |
| TOL           | -22 °C          | -22 °C             |
| Pdh Tj = -7°C | 11.60 kW        | 11.60 kW           |
| COP Tj = -7°C | 6.51            | 4.82               |
| Pdh Tj = +2°C | 7.30 kW         | 7.10 kW            |
| COP Tj = +2°C | 7.56            | 5.87               |
| Pdh Tj = +7°C | 7.30 kW         | 7.00 kW            |
| COP Tj = +7°C | 7.62            | 6.24               |
| Pdh Tj = 12°C | 7.30 kW         | 7.00 kW            |
| COP Tj = 12°C | 7.46            | 6.47               |
| Pdh Tj = Tbiv | 19.00 kW        | 19.00 kW           |
| COP Tj = Tbiv | 5.01            | 3.51               |

This information was generated by the HP KEYMARK database on 21 Jun 2022

|   |             |             |
|---|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 19.00 kW    | 19.00 kW    |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 5.01        | 3.51        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.96        | 0.98        |
| WTOL  | 65 °C       | 65 °C       |
| Poff  | 2 W         | 2 W         |
| PTO   | 45 W        | 35 W        |
| PSB   | 10 W        | 7 W         |
| PCK   | 30 W        | 30 W        |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.00 kW     | 0.00 kW     |
| Annual energy consumption Qhe                       | 6861 kWh    | 8907 kWh    |

## Average Climate

| <b>EN 12102-1</b>        |                        |                           |
|--------------------------|------------------------|---------------------------|
|                          | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level indoor | 42 dB(A)               | 42 dB(A)                  |

| <b>EN 14825</b> |                        |                           |
|-----------------|------------------------|---------------------------|
|                 | <b>Low temperature</b> | <b>Medium temperature</b> |
| $\eta_s$        | 265 %                  | 202 %                     |
| Prated          | 19.00 kW               | 19.00 kW                  |

This information was generated by the HP KEYMARK database on 21 Jun 2022

|   |          |          |
|---|----------|----------|
| SCOP  | 6.47     | 5.00     |
| Tbiv  | -10 °C   | -10 °C   |
| TOL   | -10 °C   | -10 °C   |
| Pdh Tj = -7°C                                       | 16.90 kW | 16.90 kW |
| COP Tj = -7°C                                       | 5.34     | 3.82     |
| Pdh Tj = +2°C                                       | 10.30 kW | 10.30 kW |
| COP Tj = +2°C                                       | 6.61     | 5.08     |
| Pdh Tj = +7°C                                       | 7.20 kW  | 7.00 kW  |
| COP Tj = +7°C                                       | 7.50     | 5.93     |
| Pdh Tj = 12°C                                       | 7.30 kW  | 7.10 kW  |
| COP Tj = 12°C                                       | 7.61     | 6.28     |
| Pdh Tj = Tbiv                                       | 19.00 kW | 19.00 kW |
| COP Tj = Tbiv                                       | 5.01     | 3.51     |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 19.00 kW | 19.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 5.01     | 3.51     |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.97     | 0.98     |
| WTOL  | 65 °C    | 65 °C    |
| Poff  | 2 W      | 2 W      |
| PTO   | 45 W     | 35 W     |
| PSB   | 10 W     | 7 W      |
| PCK   | 30 W     | 30 W     |

This information was generated by the HP KEYMARK database on 21 Jun 2022

|  |             |             |
|--|-------------|-------------|
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP                 | 0.00 kW     | 0.00 kW     |
| Annual energy consumption Q <sub>he</sub>  | 6070 kWh    | 7834 kWh    |