

This information was generated by the HP KEYMARK database on 18 Mar 2022

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|                     |   |          |             |
|---------------------|---|----------|-------------|
| Summary of          | S2125-8                                     | Reg. No. | 012-C700114 |
| Certificate Holder  |   |          |             |
| Name                | Nibe AB                                     |          |             |
| Address             | Box 14                                      | Zip      | S-28521     |
| City                | Markaryd                                    | Country  | Sweden      |
| Certification Body  | RISE CERT                                   |          |             |
| Subtype title       | S2125-8                                     |          |             |
| Heat Pump Type      | Outdoor Air/Water                           |          |             |
| Refrigerant         | R290  |          |             |
| Mass of Refrigerant | 0.8 kg                                      |          |             |
| Certification Date  | 30.12.2021                                  |          |             |
| Testing basis       | EN 14511:2018, EN 14825:2018, EN 12102:2017 |          |             |

## Model: S2125-8 3x400V

| Configure model                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | S2125-8 3x400V        |
| Application                         | Heating (medium temp) |
| Units                               | Outdoor               |
| Climate Zone                        | Colder Climate        |
| Reversibility                       | Yes                   |
| Cooling mode application (optional) | n/a                   |

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

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 5.22 kW         | 7.02 kW            |
| El input    | 1.03 kW         | 2.22 kW            |
| COP         | 5.07            | 3.17               |

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

### Average Climate

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### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 49 dB(A)        | 49 dB(A)           |

### EN 14825

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 196 %           | 146 %              |
| Prated         | 5.30 kW         | 5.30 kW            |
| SCOP           | 4.99            | 3.73               |
| Tbiv           | -10 °C          | -10 °C             |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 4.25 kW         | 4.57 kW            |
| COP Tj = -7°C  | 2.90            | 2.19               |
| Cdh Tj = -7 °C | 0.990           | 0.990              |
| Pdh Tj = +2°C  | 3.12 kW         | 2.80 kW            |
| COP Tj = +2°C  | 5.08            | 3.77               |
| Cdh Tj = +2 °C | 0.980           | 0.980              |
| Pdh Tj = +7°C  | 2.44 kW         | 2.05 kW            |
| COP Tj = +7°C  | 6.49            | 4.75               |
| Cdh Tj = +7 °C | 0.970           | 0.970              |
| Pdh Tj = 12°C  | 2.47 kW         | 2.30 kW            |

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|   |          |          |
|---|----------|----------|
| COP Tj = 12°C                                       | 7.36     | 5.70     |
| Cdh Tj = +12 °C                                     | 0.960    | 0.970    |
| Pdh Tj = Tbiv                                       | 5.02 kW  | 4.82 kW  |
| COP Tj = Tbiv                                       | 2.98     | 2.21     |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.02 kW  | 4.82 kW  |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.98     | 2.21     |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000    | 1.000    |
| WTOL  | 65 °C    | 65 °C    |
| Poff  | 8 W      | 8 W      |
| PTO   | 13 W     | 13 W     |
| PSB   | 11 W     | 11 W     |
| PCK   | 5 W      | 5 W      |
| Supplementary Heater: Type of energy input          | n/a      | n/a      |
| Supplementary Heater: PSUP                          | 0.28 kW  | 0.48 kW  |
| Annual energy consumption Qhe                       | 2196 kWh | 2939 kWh |

## Colder Climate

| <b>EN 12102-1</b>         |                        |                           |
|---------------------------|------------------------|---------------------------|
|                           | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level outdoor | 49 dB(A)               | 49 dB(A)                  |

| <b>EN 14825</b> |
|-----------------|
|-----------------|

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|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 161 %           | 123 %              |
| Prated          | 5.40 kW         | 5.20 kW            |
| SCOP            | 4.11            | 3.16               |
| Tbiv            | -15 °C          | -15 °C             |
| TOL             | -22 °C          | -22 °C             |
| Pdh Tj = -7°C   | 3.25 kW         | 3.16 kW            |
| COP Tj = -7°C   | 3.04            | 2.42               |
| Cdh Tj = -7 °C  | 0.990           | 0.990              |
| Pdh Tj = +2°C   | 1.98 kW         | 1.95 kW            |
| COP Tj = +2°C   | 5.25            | 3.82               |
| Cdh Tj = +2 °C  | 0.970           | 0.980              |
| Pdh Tj = +7°C   | 2.24 kW         | 2.46 kW            |
| COP Tj = +7°C   | 6.65            | 5.32               |
| Cdh Tj = +7 °C  | 0.960           | 0.970              |
| Pdh Tj = 12°C   | 2.41 kW         | 2.40 kW            |
| COP Tj = 12°C   | 7.44            | 6.10               |
| Cdh Tj = +12 °C | 0.960           | 0.970              |
| Pdh Tj = Tbiv   | 4.44 kW         | 4.25 kW            |
| COP Tj = Tbiv   | 2.80            | 2.20               |

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|   |          |          |
|---|----------|----------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.63 kW  | 3.34 kW  |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.34     | 1.69     |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000    | 1.000    |
| WTOL  | 65 °C    | 65 °C    |
| Poff  | 8 W      | 8 W      |
| PTO   | 13 W     | 13 W     |
| PSB   | 11 W     | 11 W     |
| PCK   | 5 W      | 5 W      |
| Supplementary Heater: Type of energy input          | n/a      | n/a      |
| Supplementary Heater: PSUP                          | 1.80 kW  | 1.90 kW  |
| Annual energy consumption Qhe                       | 3238 kWh | 4055 kWh |
| Pdh Tj = -15°C (if TOL<-20°C)                       | 4.44     | 4.25     |
| COP Tj = -15°C (if TOL<-20°C)                       | 2.80     | 2.20     |
| Cdh Tj = -15 °C                                     | 0.990    | 0.990    |

## Model: S2125-8 1x230V

| Configure model                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | S2125-8 1x230V        |
| Application                         | Heating (medium temp) |
| Units                               | Outdoor               |
| Climate Zone                        | Colder Climate        |
| Reversibility                       | Yes                   |
| Cooling mode application (optional) | n/a                   |

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

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 5.22 kW         | 7.02 kW            |
| El input    | 1.03 kW         | 2.22 kW            |
| COP         | 5.07            | 3.17               |

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

### Average Climate

### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 49 dB(A)        | 49 dB(A)           |

### EN 14825

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 196 %           | 146 %              |
| Prated         | 5.30 kW         | 5.30 kW            |
| SCOP           | 4.99            | 3.73               |
| Tbiv           | -10 °C          | -10 °C             |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 4.25 kW         | 4.57 kW            |
| COP Tj = -7°C  | 2.90            | 2.19               |
| Cdh Tj = -7 °C | 0.990           | 0.990              |
| Pdh Tj = +2°C  | 3.12 kW         | 2.80 kW            |
| COP Tj = +2°C  | 5.08            | 3.77               |
| Cdh Tj = +2 °C | 0.980           | 0.980              |
| Pdh Tj = +7°C  | 2.44 kW         | 2.05 kW            |
| COP Tj = +7°C  | 6.49            | 4.75               |
| Cdh Tj = +7 °C | 0.970           | 0.970              |
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| Pdh Tj = Tbiv                                       | 5.02 kW  | 4.82 kW  |
| COP Tj = Tbiv                                       | 2.98     | 2.21     |
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| Poff  | 8 W      | 8 W      |
| PTO   | 13 W     | 13 W     |
| PSB   | 11 W     | 11 W     |
| PCK   | 5 W      | 5 W      |
| Supplementary Heater: Type of energy input          | n/a      | n/a      |
| Supplementary Heater: PSUP                          | 0.28 kW  | 0.48 kW  |
| Annual energy consumption Qhe                       | 2196 kWh | 2939 kWh |

## Colder Climate

| <b>EN 12102-1</b>         |                        |                           |
|---------------------------|------------------------|---------------------------|
|                           | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level outdoor | 49 dB(A)               | 49 dB(A)                  |

| <b>EN 14825</b> |
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| Cdh Tj = -15 °C                                     | 0.990    | 0.990    |