



**ENERG**  
енергия · ενέργεια



**NIBE**

AMS10-8



55 °C

35 °C



**A<sup>+</sup>**

**A<sup>++</sup>**



**35** dB



**55** dB



kW



kW



2015

811/2013



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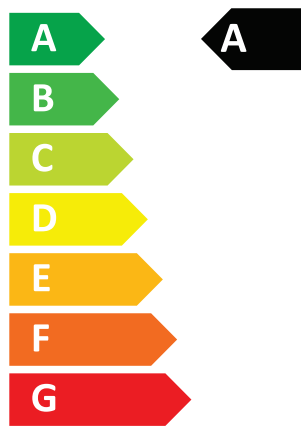
AMS10-8 + ACVM270



55 °C



XL



35 dB



55 dB



8 kW  
7 kW  
8 kW

2015

811/2013



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Y

IJA

IE

IA

 **NIBE**

AMS10-8

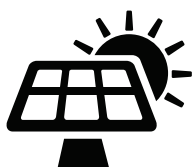


35 °C



**A<sup>++</sup>**

+



+



+



+



**A<sup>+++</sup>**

**A<sup>++</sup>**

**A<sup>++</sup>**

**A<sup>+</sup>**

**A**

**B**

**C**

**D**

**E**

**F**

**G**



# ENERG

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Y

IJA

IE

IA

**NIBE**

AMS10-8 + ACVM270



A<sup>+</sup>



A



55 °C

A<sup>+++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

D

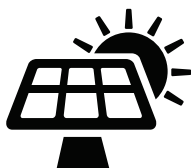
E

F

G

A<sup>+</sup>

+



+



+



+



XL

A<sup>+++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

D

E

F

G

A

|                                                                   |                          |           |     |
|-------------------------------------------------------------------|--------------------------|-----------|-----|
| Supplier's name:                                                  | <b>NIBE</b>              |           |     |
| Model:                                                            | <b>AMS10-8 + ACVM270</b> |           |     |
| Temperature application                                           | <b>35</b>                | <b>55</b> | °C  |
| Declared load profile for water heating                           | <b>XL</b>                |           |     |
| Seasonal space heating energy efficiency class, average climate:  | <b>A++</b>               | <b>A+</b> |     |
| Water heating energy efficiency class, average climate:           | <b>A</b>                 |           |     |
| Rated heat output, average climate:                               | 6,3                      | 7,0       | kW  |
| Annual energy consumption for space heating, average climate      | 3183                     | 4821      | kWh |
| Annual electricity consumption for water heating, average climate | 1689                     |           | kWh |
| Seasonal space heating energy efficiency, average climate:        | 161                      | 117       | %   |
| Water heating energy efficiency, average climate:                 | 99                       |           | %   |
| Sound power level LWA indoors                                     | 35                       |           | dB  |
| Rated heat output, cold climate:                                  | 8,2                      | 8,2       | kW  |
| Rated heat output, warm climate:                                  | 8,0                      | 8,0       | kW  |
| Annual energy consumption for space heating, cold climate         | 6069                     | 7454      | kWh |
| Annual electricity consumption for water heating, cold climate    | 1886                     |           | kWh |
| Annual energy consumption for space heating, warm climate         | 1874                     | 2333      | kWh |
| Annual electricity consumption for water heating, warm climate    | 1540                     |           | kWh |
| Seasonal space heating energy efficiency, cold climate:           | 130                      | 105       | %   |
| Water heating energy efficiency, cold climate:                    | 89                       |           | %   |
| Seasonal space heating energy efficiency, warm climate:           | 225                      | 180       | %   |
| Water heating energy efficiency, warm climate:                    | 109                      |           | %   |
| Sound power level LWA outdoors                                    | 55                       |           | dB  |

#### Data for package fiche

|                                                                              |            |           |   |
|------------------------------------------------------------------------------|------------|-----------|---|
| Controller class                                                             | <b>II</b>  |           |   |
| Controller contribution to efficiency                                        | 2,0        |           | % |
| Seasonal space heating energy efficiency of package, average climate:        | 163        | 119       | % |
| Seasonal space heating energy efficiency class for package, average climate: | <b>A++</b> | <b>A+</b> | % |
| Seasonal space heating energy efficiency of package, cold climate:           | 132        | 107       | % |
| Seasonal space heating energy efficiency of package, warm climate:           | 227        | 182       | % |

|                                                           |  |  |                                                                             |                            |     |                                                                             |  |                                                                                                |          |      |      |
|-----------------------------------------------------------|--|--|-----------------------------------------------------------------------------|----------------------------|-----|-----------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------|----------|------|------|
| Model(s):                                                 |  |  |                                                                             | AMS 10-8 +ACVM270          |     |                                                                             |  | <div></div> |          |      |      |
| Type of heat source/sink:                                 |  |  |                                                                             | Air-to-water               |     |                                                                             |  |                                                                                                |          |      |      |
| Low-temperature heat pump:                                |  |  |                                                                             | No                         |     |                                                                             |  |                                                                                                |          |      |      |
| Equipped with supplementary heater:                       |  |  |                                                                             | Yes                        |     |                                                                             |  |                                                                                                |          |      |      |
| Heat pump combination heater:                             |  |  |                                                                             | Yes                        |     |                                                                             |  |                                                                                                |          |      |      |
| Climate condition:                                        |  |  |                                                                             | Average                    |     |                                                                             |  |                                                                                                |          |      |      |
| Temperature application:                                  |  |  |                                                                             | Medium temperature (55 °C) |     |                                                                             |  |                                                                                                |          |      |      |
| Applied standards: EN14825 and EN16147                    |  |  |                                                                             |                            |     |                                                                             |  |                                                                                                |          |      |      |
| Rated heat output                                         |  |  | Prated                                                                      | 7,0                        | kW  | Seasonal space heating energy efficiency                                    |  |                                                                                                | ηs       | 117  | %    |
| Declared capacity for part load at outdoor temperature Tj |  |  |                                                                             |                            |     | Declared coefficient of performance for part load at outdoor temperature Tj |  |                                                                                                |          |      |      |
| Tj = -7 °C                                                |  |  | Pdh                                                                         | 4,8                        | kW  | Tj = -7 °C                                                                  |  |                                                                                                | COPd     | 1,92 | -    |
| Tj = +2 °C                                                |  |  | Pdh                                                                         | 3,8                        | kW  | Tj = +2 °C                                                                  |  |                                                                                                | COPd     | 3,00 | -    |
| Tj = +7 °C                                                |  |  | Pdh                                                                         | 2,4                        | kW  | Tj = +7 °C                                                                  |  |                                                                                                | COPd     | 4,09 | -    |
| Tj = +12 °C                                               |  |  | Pdh                                                                         | 2,3                        | kW  | Tj = +12 °C                                                                 |  |                                                                                                | COPd     | 5,71 | -    |
| Tj = biv                                                  |  |  | Pdh                                                                         | 5,1                        | kW  | Tj = biv                                                                    |  |                                                                                                | COPd     | 2,23 | -    |
| Tj = TOL                                                  |  |  | Pdh                                                                         | 4,8                        | kW  | Tj = TOL                                                                    |  |                                                                                                | COPd     | 1,91 | -    |
| Tj = -15 °C (if TOL < -20 °C)                             |  |  | Pdh                                                                         |                            | kW  | Tj = -15 °C (if TOL < -20 °C)                                               |  |                                                                                                | COPd     |      | -    |
|                                                           |  |  |                                                                             |                            |     |                                                                             |  |                                                                                                |          |      |      |
| Bivalent temperature                                      |  |  | Tbiv                                                                        | -4,5                       | °C  | Operation limit temperature                                                 |  |                                                                                                | TOL      | -10  | °C   |
| Cycling interval capacity for heating                     |  |  | Pcyh                                                                        |                            | kW  | Cycling interval efficiency                                                 |  |                                                                                                | COPcyc   |      | -    |
| Degradation co-efficient                                  |  |  | Cdh                                                                         | 0,97                       | -   | Heating water operating limit                                               |  |                                                                                                | WTOL     | 58   | °C   |
| Power consumption in modes other than active mode         |  |  |                                                                             |                            |     | Supplementary heater                                                        |  |                                                                                                |          |      |      |
| Off mode                                                  |  |  | POFF                                                                        | 0,002                      | kW  | Rated heat output                                                           |  |                                                                                                | Psup     | 2,2  | kW   |
| Thermostat-off mode                                       |  |  | PTO                                                                         | 0,01                       | kW  |                                                                             |  |                                                                                                |          |      |      |
| Standby mode                                              |  |  | PSB                                                                         | 0,015                      | kW  | Type of energy input                                                        |  |                                                                                                | Electric |      |      |
| Crankcase heater mode                                     |  |  | PCK                                                                         | 0,03                       | kW  |                                                                             |  |                                                                                                |          |      |      |
| Other items                                               |  |  |                                                                             |                            |     |                                                                             |  |                                                                                                |          |      |      |
| Capacity control                                          |  |  | variable                                                                    |                            |     | Rated air flow rate, outdoors                                               |  |                                                                                                |          | 3000 | m³/h |
| Sound power level, indoors/outdoors                       |  |  | LWA                                                                         | 35/55                      | dB  | Rated water flow rate, indoor heat exchanger                                |  |                                                                                                |          | 0,57 | m³/h |
| Annual energy consumption                                 |  |  | QHE                                                                         | 4821                       | kWh | Rated brine or water flow rate, outdoor heat exchanger                      |  |                                                                                                |          |      | m³/h |
| For heat pump combination heater:                         |  |  |                                                                             |                            |     |                                                                             |  |                                                                                                |          |      |      |
| Declared load profile                                     |  |  | XL                                                                          |                            |     | Water heating energy efficiency                                             |  |                                                                                                | ηlwh     | 99   | %    |
|                                                           |  |  |                                                                             |                            |     |                                                                             |  |                                                                                                |          |      |      |
| Daily electricity consumption                             |  |  | Qelec                                                                       | 7,69                       | kWh | Daily fuel consumption                                                      |  |                                                                                                | Qfuel    |      | kWh  |
| Annual electricity consumption                            |  |  | AEC                                                                         | 1689                       | kWh | Annual fuel consumption                                                     |  |                                                                                                | AFC      |      | GJ   |
| Approved by:                                              |  |  |                                                                             |                            |     |                                                                             |  |                                                                                                |          |      |      |
| Contact details                                           |  |  | © NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden |                            |     |                                                                             |  |                                                                                                |          |      |      |