

## Technical parameters

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| Model(s):                             | Outdoor unit: AW-YHPSA10-H91 Indoor unit: ODMA-100T-09M22-19/25 |
| Air-to-water heat pump:               | YES                                                             |
| Water-to-water heat pump:             | NO                                                              |
| Brine-to-water heat pump:             | NO                                                              |
| Low-temperature heat pump:            | NO                                                              |
| Equipped with a supplementary heater: | NO                                                              |
| Heat pump combination heater:         | NO                                                              |
| Declared climate condition:           | AVERAGE                                                         |

Parameters are declared for medium-temperature application.

| Item                                                                                               | Symbol | Value | Unit | Item                                                                                                                             | Symbol     | Value | Unit |
|----------------------------------------------------------------------------------------------------|--------|-------|------|----------------------------------------------------------------------------------------------------------------------------------|------------|-------|------|
| Rated heat output (*)                                                                              | Prated | 7.7   | kW   | Seasonal space heating energy efficiency                                                                                         | $\eta_s$   | 136.6 | %    |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj |        |       |      | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |            |       |      |
| Tj = -7°C                                                                                          | Pdh    | 6.78  | kW   | Tj = -7°C                                                                                                                        | COPd       | 2.24  | -    |
| Tj = 2°C                                                                                           | Pdh    | 4.28  | kW   | Tj = 2°C                                                                                                                         | COPd       | 3.42  | -    |
| Tj = 7°C                                                                                           | Pdh    | 2.77  | kW   | Tj = 7°C                                                                                                                         | COPd       | 4.52  | -    |
| Tj = 12°C                                                                                          | Pdh    | 1.58  | kW   | Tj = 12°C                                                                                                                        | COPd       | 5.68  | -    |
| Tj = bivalent temperature                                                                          | Pdh    | 6.78  | kW   | Tj = bivalent temperature                                                                                                        | COPd       | 2.24  | -    |
| Tj = operating limit                                                                               | Pdh    | 5.38  | kW   | Tj = operating limit                                                                                                             | COPd       | 1.83  | -    |
| For air-to-water heat pumps: Tj = -15°C                                                            | Pdh    | -     | kW   | For air-to-water heat pumps: Tj = -15°C                                                                                          | COPd       | -     | -    |
| Bivalent temperature                                                                               | Tbiv   | -7    | °C   | For air-to-water heat pumps: Operation limit temperature                                                                         | TOL        | -10   | °C   |
| Cycling interval capacity for heating                                                              | Pcyc   | -     | kW   | Cycling interval efficiency                                                                                                      | COPcyc     | -     | -    |
| Degradation co-efficient (**)                                                                      | Cdh    | 0.9   | --   | Heating water operating limit temperature                                                                                        | Wtol       | 60    | °C   |
| Power consumption in modes other than active mode                                                  |        |       |      | Supplementary heater                                                                                                             |            |       |      |
| Off mode                                                                                           | Poff   | 0.014 | kW   | Rated heat output (**)                                                                                                           | Psup       | 2.29  | kW   |
| Standby mode                                                                                       | Psb    | 0.014 | kW   | Type of energy input                                                                                                             | Electrical |       |      |
| Thermostat-off mode                                                                                | Pto    | 0.024 | kW   |                                                                                                                                  |            |       |      |
| Crankcase heater mode                                                                              | Pck    | 0.000 | kW   |                                                                                                                                  |            |       |      |

|                                     |                 |       |     |                                                                                                |   |      |      |
|-------------------------------------|-----------------|-------|-----|------------------------------------------------------------------------------------------------|---|------|------|
| Other items                         |                 |       |     |                                                                                                |   |      |      |
| Capacity control                    | variable        |       |     | For air-to-water heat pumps: Rated air flow rate, outdoors                                     | - | 4030 | m³/h |
| Sound power level, indoors/outdoors | L <sub>WA</sub> | 42/60 | dB  | For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | -    | m³/h |
| Annual energy consumption           | Q <sub>HE</sub> | 4539  | kWh |                                                                                                |   |      |      |

|                                   |                   |   |     |                                 |                   |   |     |
|-----------------------------------|-------------------|---|-----|---------------------------------|-------------------|---|-----|
| For heat pump combination heater: |                   |   |     |                                 |                   |   |     |
| Declared load profile             | -                 |   |     | Water heating energy efficiency | $\eta_{wh}$       | - | %   |
| Daily electricity consumption     | Q <sub>elec</sub> | - | kWh | Daily fuel consumption          | Q <sub>fuel</sub> | - | kWh |
| Annual electricity consumption    | AEC               | - | kWh | Annual fuel consumption         | AFC               | - | GJ  |

|                 |                                                                                                  |  |  |  |  |  |  |
|-----------------|--------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
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|-----------------|--------------------------------------------------------------------------------------------------|--|--|--|--|--|--|

(\*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(\*\*) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.



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IJA

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## Airwell

AW-YHPSA10-H91

ODMA-100T-09M22-19



A<sup>+++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

D

A<sup>++</sup>



L

A<sup>+</sup>

A

B

C

D

E

F

A<sup>+</sup>



40 dB



60 dB



7 kW

8 kW

9 kW





# ENERG

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Y

IJA

IE

IA

## Airwell

AW-YHPSA10-H91

ODMA-100T-09M22-25



A+++

A++

A+

A

B

C

D

A++

A+

A

B

C

D

E

F

A+



40 dB



60 dB



7 kW

8 kW

9 kW

