

Technical parameters

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|---------------------------------------|--|
| Model(s): | Outdoor unit: AW-YHPSA06-H91 Indoor unit: ODMA-100T-09M22-19 |
| 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 | 5.7 | kW | Seasonal space heating energy efficiency | η_s | 137.9 | % |
| 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 | 5.04 | kW | Tj = -7°C | COPd | 2.17 | - |
| Tj = 2°C | Pdh | 3.12 | kW | Tj = 2°C | COPd | 3.51 | - |
| Tj = 7°C | Pdh | 2.08 | kW | Tj = 7°C | COPd | 4.54 | - |
| Tj = 12°C | Pdh | 1.28 | kW | Tj = 12°C | COPd | 5.59 | - |
| Tj = bivalent temperature | Pdh | 5.04 | kW | Tj = bivalent temperature | COPd | 2.17 | - |
| Tj = operating limit | Pdh | 4.52 | kW | Tj = operating limit | COPd | 1.91 | - |
| 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 | Pcyh | - | kW | Cycling interval efficiency | COP _{cyh} | - | - |
| 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 | 1.18 | 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 | | | | |

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|-------------------------------------|-----------------|-------|-----|--|---|------|------|
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-water heat pumps: Rated air flow rate, outdoors | - | 2770 | m³/h |
| Sound power level, indoors/outdoors | L _{WA} | 38/58 | dB | For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Annual energy consumption | Q _{HE} | 3345 | kWh | | | | |

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|-----------------------------------|-------------------|---|-----|---------------------------------|-------------------|---|-----|
| For heat pump combination heater: | | | | | | | |
| Declared load profile | - | | | Water heating energy efficiency | η_{wh} | - | % |
| Daily electricity consumption | Q _{elec} | - | kWh | Daily fuel consumption | Q _{fuel} | - | kWh |
| Annual electricity consumption | AEC | - | kWh | Annual fuel consumption | AFC | - | GJ |

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|-----------------|--|--|--|--|--|--|--|
| Contact details | AIRWELL RESIDENTIAL S.A.S. - 10 rue du fort de Saint Cyr - 78180 Montigny-le-Bretonneux - France | | | | | | |
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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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ODMA-100T-09M22-19



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A+

A

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38 dB



58 dB



4 kW

6 kW

5 kW

