**Strojírenský zkušební ústav, s.p.**
**Hudcova 424/56b, Medlánky, 621 00 Brno, Česká republika / Czech Republic**

# TEST CERTIFICATE

Number: **O-B-00262-26**

Revision No.: **0**

| | |
|---|---|
| Issued to Client: | Kołton Spółka komandytowa<br>ul. Sosnowa 2<br>34-480 Jabłonka<br>POLAND |
| Product: | Outdoor Air/Water Heat Pump - monobloc |
| Type designation: | AirAdapt 2-8 |
| Manufacturer: | Kołton Spółka komandytowa<br>ul. Sosnowa 2<br>34-480 Jabłonka<br>POLAND |
| Test methods: | ČSN EN 12102-1:2023, ČSN EN 14511-2:2023, ČSN EN 14511-3:2024, ČSN EN 14511-4:2024, ČSN EN 14825:2023, Commision Regulation (EU) No. 811/2013, EHPA Testing Regulation Testing of Air/Water Heat Pumps – Version 2.4a |
| Basis of Test Certificate: | Report No. 39-18825/T<br>Report No. 39-18825/1/H<br>Technical documents submitted by Kołton Spółka komandytowa |
| Temperature application: | Low temperature<br>(Reference water temperature 35 °C)<br>Medium temperature<br>(Reference water temperature 55 °C) |
| Reference heating season: | „A“ = average / „W“ = warmer / „C“ = colder<br>(Reference design conditions for heating $T_{designh}$ = -10 °C / +2 °C / -22 °C) |

Strojírenský zkušební ústav, s.p. “Engineering Test Institute, Public Enterprise” (SZÚ), confirms by this Test Certificate that the testing of the product in question was performed with the results as stated below.

Rules for handling the certificate are listed on the last page.

Digitally signed by
Ing. Mario Jankola
Date: 2026.03.10
10:13:00 +01'00'

Valid from: 2026-03-09

Ing. Mario Jankola
Manager

**Results:**

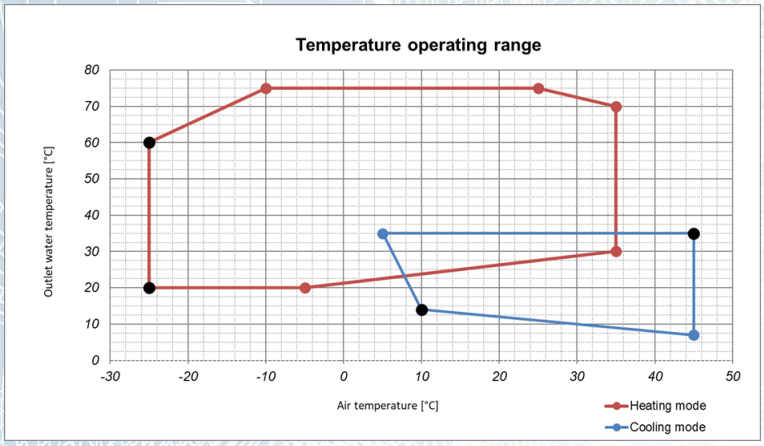
| Temperature conditions | | A7/W35 | A7/W55 |
|---|---|---|---|
| Corrected heating capacity | [kW] | 3.756 | 3.842 |
| Effective electric power input | [kW] | 0.722 | 1.135 |
| Coefficient of performance | [–] | 5.202 | 3.384 |
| Compressor settings | [rpm] | 2200 | 2400 |

**Sound power level at temperature condition A7/W55 (at 1132 rpm):**

**AirAdapt 2-8**
**O**utdoor unit

$L_{WA}$ 44.7 ± 1.5 dB(A) Accuracy class 2 (Engineering)

**Temperature operating range:**




**Liquid flow rate in:**

| | | | |
|---|---|---|---|
| | Heating mode | | |
| Indoor heating exchanger | Minimum | 0.600 | $m^3/h$ |
| | Maximum | – | $m^3/h$ |
| | Cooling mode | | |
| Indoor heating exchanger | Minimum | 0.600 | $m^3/h$ |
| | Maximum | 1.415 | $m^3/h$ |

Complies with
ČSN EN 14511-4:2024, articles: 4.2.1.2, 4.2.1.3, 4.5 a), 4.5 b), 4.6

Comment to abbreviated marking: e.g. A7/W35
„A" (air) 7 (input air, dry-bulb temperature in °C) / „W" (water), 35 (output heating water temperature in °C)



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**Average heating climate results:**

| LOW TEMPERATURE (Reference water temperature 35 °C) | | MEDIUM TEMPERATURE (Reference water temperature 55 °C) |
|---|---|---|
| **5.76** | **$P_{designh}$ [kW]** … Full load heating | **5.60** |
| **4.97** | **SCOP [–]** … Seasonal coefficient of performance | **3.94** |

| Outdoor temperature $T_j$ [°C] | Heating declared capacity $P_{dh}$ [kW] | Coefficient of performance at the declared capacity $COP_d$ [–] | Outdoor temperature $T_j$ [°C] | Heating declared capacity $P_{dh}$ [kW] | Coefficient of performance at the declared capacity $COP_d$ [–] |
|---|---|---|---|---|---|
| $T_j$ = -7 | 5.089 | 3.193 | $T_j$ = -7 | 4.808 | 2.462 |
| $T_j$ = +2 | 3.017 | 4.706 | $T_j$ = +2 | 3.030 | 3.836 |
| $T_j$ = +7 | 1.927 | 6.752 | $T_j$ = +7 | 1.861 | 5.165 |
| $T_j$ = +12 | 2.221 | 8.116 | $T_j$ = +12 | 2.159 | 6.305 |
| $T_j$ = TOL = -10 | 5.757 | 2.802 | $T_j$ = TOL = -10 | 5.600 | 2.141 |
| $T_j$ = $T_{bivalent}$ = -10 | 5.757 | 2.802 | $T_j$ = $T_{bivalent}$ = -10 | 5.600 | 2.141 |

**Power consumption in modes other than „active mode“:**

| | | | | |
|---|---|---|---|---|
| 7.8 | Off mode | $P_{OFF}$ | [W] | 7.8 |
| 12.4 | Thermostat off mode | $P_{TO}$ | [W] | 12.4 |
| 7.8 | Standby mode | $P_{SB}$ | [W] | 7.8 |
| 0.0 | Crankcase heater mode | $P_{CK}$ | [W] | 0.0 |

**Annual electricity consumption for heating according to:**

| | | | | |
|---|---|---|---|---|
| **2393** | ČSN EN 14825:2023 | $Q_{HE}$ | [kWh] | **2937** |

**Seasonal Space heating energy efficiency**

| | | | | |
|---|---|---|---|---|
| **195.8** | ČSN EN 14825:2023 | $\eta_s$ | [%] | **154.6** |

**Energy efficiency class:**

| | | | | |
|---|---|---|---|---|
| **A+++** | Commision Regulation (EU) No. 811/2013 | | [–] | **A+++** |



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**Warmer heating climate results:**

| LOW TEMPERATURE (Reference water temperature 35 °C) | | MEDIUM TEMPERATURE (Reference water temperature 55 °C) |
|---|---|---|
| **6.79** | **$P_{designh}$ [kW]** … Full load heating | **6.75** |
| **6.33** (a) | **SCOP [–]** … Seasonal coefficient of performance | **4.66** (a) |

| Outdoor temperature $T_j$ [°C] | Heating declared capacity $P_{dh}$ [kW] | Coefficient of performance at the declared capacity $COP_d$ [–] | Outdoor temperature $T_j$ [°C] | Heating declared capacity $P_{dh}$ [kW] | Coefficient of performance at the declared capacity $COP_d$ [–] |
|---|---|---|---|---|---|
| $T_j$ = -7 | – | – | $T_j$ = -7 | – | – |
| $T_j$ = +2 | 6.794 | 3.395 | $T_j$ = +2 | 6.751 | 2.563 |
| $T_j$ = +7 (a) | 4.164 | 5.432 | $T_j$ = +7 (a) | 4.379 | 3.883 |
| $T_j$ = +12 (a) | 2.201 | 8.160 | $T_j$ = +12 (a) | 6.078 | 6.078 |
| $T_j$ = TOL = +2 | 6.794 | 3.395 | $T_j$ = TOL = +2 | 6.751 | 2.563 |
| $T_j$ = $T_{bivalent}$ = +2 | 6.794 | 3.395 | $T_j$ = $T_{bivalent}$ = +2 | 6.751 | 2.563 |

**Power consumption in modes other than „active mode“:**

| | | | | |
|---|---|---|---|---|
| 7.8 | Off mode | $P_{OFF}$ | [W] | 7.8 |
| 12.4 | Thermostat off mode | $P_{TO}$ | [W] | 12.4 |
| 7.8 | Standby mode | $P_{SB}$ | [W] | 7.8 |
| 0.0 | Crankcase heater mode | $P_{CK}$ | [W] | 0.0 |

**Annual electricity consumption for heating according to:**

| | | | | |
|---|---|---|---|---|
| **1433** (a) | ČSN EN 14825:2023 | $Q_{HE}$ | [kWh] | **1937** (a) |

**Seasonal Space heating energy efficiency**

| | | | | |
|---|---|---|---|---|
| **250.3** (a) | ČSN EN 14825:2023 | $\eta_s$ | [%] | **183.2** (a) |

(a) *The technical data were declared by the manufacturer or calculated of data declared by the manufacturer and were not tested by the Testing Laboratory.*



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**Colder heating climate results:**

| LOW TEMPERATURE (Reference water temperature 35 °C) | | MEDIUM TEMPERATURE (Reference water temperature 55 °C) |
|---|---|---|
| **5.90** | **$P_{designh}$ [kW]** … Full load heating | **5.90** |
| **4.37** (a) | **SCOP [–]** … Seasonal coefficient of performance | **3.47** (a) |

| Outdoor temperature $T_j$ [°C] | Heating declared capacity $P_{dh}$ [kW] | Coefficient of performance at the declared capacity $COP_d$ [–] | Outdoor temperature $T_j$ [°C] | Heating declared capacity $P_{dh}$ [kW] | Coefficient of performance at the declared capacity $COP_d$ [–] |
|---|---|---|---|---|---|
| $T_j$ = -7 (a) | 3.530 | 3.517 | $T_j$ = -7 (a) | 3.700 | 2.822 |
| $T_j$ = +2 (a) | 2.110 | 5.673 | $T_j$ = +2 (a) | 2.010 | 4.366 |
| $T_j$ = +7 | 1.917 | 6.649 | $T_j$ = +7 | 1.989 | 5.186 |
| $T_j$ = +12 (a) | 2.339 | 8.431 | $T_j$ = +12 (a) | 2.200 | 6.569 |
| $T_j$ = TOL = -22 (a) | 3.840 | 2.069 | $T_j$ = TOL = -22 (a) | 3.830 | 1.648 |
| $T_j$ = $T_{bivalent}$ = -15 | 4.813 | 2.429 | $T_j$ = $T_{bivalent}$ = -15 | 4.816 | 2.031 |
| $T_j$ = -15 | 4.813 | 2.429 | $T_j$ = -15 | 4.816 | 2.031 |

**Power consumption in modes other than „active mode“:**

| | | | | |
|---|---|---|---|---|
| 7.8 | Off mode | $P_{OFF}$ | [W] | 7.8 |
| 12.4 | Thermostat off mode | $P_{TO}$ | [W] | 12.4 |
| 7.8 | Standby mode | $P_{SB}$ | [W] | 7.8 |
| 0.0 | Crankcase heater mode | $P_{CK}$ | [W] | 0.0 |

**Annual electricity consumption for heating according to:**

| | | | | |
|---|---|---|---|---|
| **3332** (a) | ČSN EN 14825:2023 | $Q_{HE}$ | [kWh] | **4189** (a) |

**Seasonal Space heating energy efficiency**

| | | | | |
|---|---|---|---|---|
| **171.6** (a) | ČSN EN 14825:2023 | $\eta_s$ | [%] | **136.0** (a) |

*(a) The technical data were declared by the manufacturer or calculated of data declared by the manufacturer and were not tested by the Testing Laboratory.*

**Specification of conditions:**

| | | | |
|---|---|---|---|
| Compressor speed control | **Variable** | Heating water volume flow rate (indoor heat exchanger) | **Variable** |
| Outlet water temperature (indoor heat exchanger) | **Variable** | Source liquid volume flow rate (outdoor heat exchanger) | **Variable** |
| Function | **Reversible** | | |



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## RULES FOR USING THE CERTIFICATE

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