



Strojirenský zkušební ústav, s.p., Brno, Česká republika
Engineering Test Institute, Public Enterprise, Brno, Czech Republic

TEST CERTIFICATE

Number **O-B-01501-22 rev.1**

Customer **KOŁTON SPÓŁKA KOMANDYTOWA**
ul. Sosnowa 2
34-480 Jabłonka
POLSKA

Product **Air/water heat pump – monobloc**

Type designation / Trade mark
Airkompakt p0916
Airkompakt p1118
Airkompakt p1522
Airkompakt p1926

Test methods **ČSN EN 14511-3:2019, ČSN EN 14825:2020; EHPA Testing regulation – Testing of Air/Water Heat Pumps, version 2.4a**

Basis of certificate
Test reports:
39-16511/T of 2022-09-16
39-16511/H of 2022-09-16
Technical documents of KOŁTON SPÓŁKA KOMANDYTOWA

Temperature application
MEDIUM TEMPERATURE
(Reference water temperature 55 °C)

Reference heating season
„A“ = average / „W“ = warmer / „C“ = colder
(Reference design conditions for heating $T_{design} = -10\text{ °C} / +2\text{ °C} / -22\text{ °C}$)

Specification of conditions:

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



O-B-01501-22, page 1 (2)

Strojirenský zkušební ústav, s.p., Hudcova 424/56b, 621 00 Brno, Česká republika
Engineering Test Institute, public enterprise, Hudcova 424/56b, 621 00 Brno, Czech Republic

www.szutest.cz





Results:

Medium temperature application

(Reference water temperature 55 °C)

| Model names | | Airkompakt p0916 (Tested) | Airkompakt p1118 (Not tested) | Airkompakt p1522 (Not tested) | Airkompakt p1926 (Not tested) | |
|---|-------------------------------|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------|
| Full load heating | P_{designh} [kW] | A | 6.28 | 8.59 | 11.42 | 13.90 |
| | | W | 6.52 | 8.90 | 11.60 | 14.40 |
| | | C | 5.29 | 7.72 | 9.68 | 12.38 |
| Bivalent temperature | T_{bivalent} [°C] | A | -7 | -7 | -7 | -7 |
| | | W | 2 | 2 | 2 | 2 |
| | | C | -15 | -15 | -15 | -15 |
| Seasonal coefficient of performance | SCOP [-] | A | 3.25 | 3.39 | 3.20 | 3.35 |
| | | W | 4.03 (Not tested) | 4.07 | 4.13 | 4.10 |
| | | C | 2.82 (Not tested) | 2.97 | 2.93 | 2.94 |
| Seasonal Space heating energy efficiency | η_s [%] | A | 127.0 | 132.8 | 125.0 | 131.2 |
| | | W | 158.4 (Not tested) | 159.8 | 162.4 | 161.1 |
| | | C | 109.8 (Not tested) | 116.0 | 114.2 | 114.5 |

(Tested) This test sample was tested at the Testing Laboratory.

(Not tested) The technical data were declared by the Manufacturer according to the model range specifications and were not tested by the Testing Laboratory.

Engineering Test Institute, Public Enterprise, confirms by this Test Certificate that the testing of the product in question was performed with the results as stated above. Engineering Test Institute, Public Enterprise, is an accredited Testing Laboratory 1045.1.

Brno, 2022-09-30

Milan Holomek

Head of Heat and Environment-Friendly Equipment Test Station

- END OF TEST CERTIFICATE -

