



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

TEST CERTIFICATE

Number **O-B-000927-24**

Customer **Kořton Spółka komandytowa**
ul. Sosnowa 2
34-480 Jabłonka
POLAND

Product **Outdoor Air/Water Heat Pumps – monobloc**

Type designation / Trademark **Airadapt 3-12**
Airadapt 4-16
Airadapt 4-20

Test methods **ČSN EN 14511-2:2019, ČSN EN 14511-3:2019,
ČSN EN 14511-4:2019, ČSN EN 12102-1:2023, EHPA Testing
regulation – Testing of Air/Water Heat Pumps, version 2.4a**

Basis of certificate **Test reports:
39-16823/T of 2023-06-21
39-17801/H of 2024-06-18
Technical documents of KOLTON 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 $T_{designh} = -10\text{ °C} / +2\text{ °C} / -22\text{ °C}$)

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 exch.)	-
Function	Reversible		





Results:

Medium temperature application

(Reference water temperature 55 °C)

Model names		Kolton Airadapt 3-12	Kolton Airadapt 4-16	Kolton Airadapt 4-20	
		(Not tested)	(Not tested)	(Tested)	
Full load heating	$P_{designh}$ [kW]	A	8.15	10.02	12.30
		W	9.89	12.46	16.01
		C	9.54	11.41	14.20
Bivalent temperature	$T_{bivalent}$ [°C]	A	-10	-10	-10
		W	2	2	2
		C	-15	-15	-15
Seasonal coefficient of performance	SCOP [-]	A	3.83	3.83	3.93
		W	4.67	4.56	4.59 (Not tested)
		C	3.55	3.51	3.60 (Not tested)
Seasonal Space heating energy efficiency	η_s [%]	A	150.1	150.2	154.1
		W	184.0	179.2	180.8 (Not tested)
		C	138.9	137.3	140.8 (Not tested)

(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, 2024-06-25

Ing. Mario Jankola

Heating Equipment and Construction Products Manager

- END OF TEST CERTIFICATE -

