



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

TEST CERTIFICATE

Number **O-B-000926-24**

Customer
Kołton 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 KOŁTON SPÓŁKA KOMANDYTOWA

Temperature application
LOW TEMPERATURE
(Reference water temperature 35 °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		



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Results:

Low temperature application

(Reference water temperature 35 °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	8.98	10.08	13.85
		W	10.10	13.05	16.05
		C	9.49	11.65	14.42
Bivalent temperature	T_{bivalent} [°C]	A	-10	-10	-7
		W	2	2	2
		C	-15	-15	-15
Seasonal coefficient of performance	SCOP [-]	A	4.58	4.64	4.66
		W	6.31	6.52	6.34 (Not tested)
		C	4.26	4.26	4.30 (Not tested)
Seasonal Space heating energy efficiency	η_s [%]	A	180.2	182.6	183.5
		W	249.4	257.6	250.7 (Not tested)
		C	167.3	167.4	169.0 (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 -

