

This information was generated by the HP KEYMARK database on 29 Apr 2022

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Summary of	Jersey 5	Reg. No.	041-K001-47
Certificate Holder			
Name	ait-deutschland GmbH		
Address	Industriestr. 3	Zip	95359
City	Kasendorf	Country	Germany
Certification Body	BRE Global Limited		
Subtype title	Jersey 5		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.5 kg		
Certification Date	29.04.2022		
Testing basis	Heat Pump Keymark Scheme Rules Rev 09		

Model: Jersey 5-1

Configure model	
Model name	Jersey 5-1
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.55 kW	2.26 kW
El input	0.52 kW	0.88 kW
COP	4.93	2.56

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	51 dB(A)	51 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	178 %	134 %
Prated	5.60 kW	5.40 kW
SCOP	4.54	3.43
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.91 kW	4.65 kW
COP Tj = -7°C	2.68	1.94
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.86 kW	2.81 kW
COP Tj = +2°C	4.37	3.34
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	1.85 kW	1.91 kW
COP Tj = +7°C	6.38	4.68
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.76 kW	1.73 kW

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COP Tj = 12°C	7.67	6.35
Cdh Tj = +12 °C	0.940	0.950
Pdh Tj = Tbiv	4.91 kW	4.65 kW
COP Tj = Tbiv	2.68	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.86 kW	4.82 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	58 °C	58 °C
Poff	5 W	5 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.74 kW	0.58 kW
Annual energy consumption Qhe	2551 kWh	3257 kWh

Model: Jabbah 5-1

Configure model	
Model name	Jabbah 5-1
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.55 kW	2.26 kW
El input	0.52 kW	0.88 kW
COP	4.93	2.56

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

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