

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

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Summary of	Jersey 7	Reg. No.	041-K001-48
Certificate Holder			
Name	ait-deutschland GmbH		
Address	Industriestr. 3	Zip	95359
City	Kasendorf	Country	Germany
Certification Body	BRE Global Limited		
Subtype title	Jersey 7		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.55 kg		
Certification Date	29.04.2022		
Testing basis	Heat Pump Keymark Scheme Rules Rev 09		

Model: Jersey 7-1

Configure model	
Model name	Jersey 7-1
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	3.87 kW	3.09 kW
El input	0.85 kW	1.21 kW
COP	4.54	2.55

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	55 dB(A)	55 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	162 %	123 %
Prated	8.20 kW	7.49 kW
SCOP	4.13	3.15
Tbiv	-8 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.18 kW	6.55 kW
COP Tj = -7°C	2.65	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.14 kW	3.70 kW
COP Tj = +2°C	3.99	3.00
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	2.63 kW	2.49 kW
COP Tj = +7°C	5.34	4.25
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	2.24 kW	2.16 kW

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COP Tj = 12°C	7.15	5.60
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.22 kW	6.55 kW
COP Tj = Tbiv	2.59	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.94 kW	5.26 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	58 °C	58 °C
Poff	41 W	41 W
PTO	45 W	45 W
PSB	45 W	45 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.26 kW	2.33 kW
Annual energy consumption Qhe	4102 kWh	4917 kWh

Model: Jabbah 7-1

Configure model	
Model name	Jabbah 7-1
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	3.87 kW	3.09 kW
El input	0.85 kW	1.21 kW
COP	4.54	2.55

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

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EN 14825

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