

## Subtype Jersey 7

Certificate Holder	ait-deutschland GmbH
Address	Industriestr. 3
ZIP	95359
City	Kasendorf
Country	DE
Certification Body	BRE Global Limited
Subtype title	Jersey 7
Registration number	041-K001-48
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

Model name	Jersey 7-1
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	1x230V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

### EN 14511-4 | Heating

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

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	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
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

Model name	Jabbah 7-1
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	1x230V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

### EN 14511-4 | Heating

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

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	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
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