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
Testing laboratory	Universität Stuttgart, Prüfstelle HLK am Institut für Gebäudeenergetik, Thermotechnik und Energiespeicherung (IGTE), DE

Model alpha innotec Jersey 7-1	
Model name	alpha innotec 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 14511-2 | Heating		
	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 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
ηs	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 NOVELAN Jabbah 7-1	
Model name	NOVELAN 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 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	3.87 kW	3.09 kW
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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 alpha innotec Jersey 7-2	
Model name	alpha innotec Jersey 7-2
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 14511-2 | Heating		
	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 12102-1 | Average Climate		
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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

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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

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