Subtype Jäspi Inverter Nordic 8R	
Certificate Holder	Kaukora
Address	Tuotekatu 11
ZIP	FI-21200
City	Raisio
Country	FI
Certification Body	RISE CERT
Subtype title	Jäspi Inverter Nordic 8R
Registration number	012-C700352
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.8 kg
Certification Date	12.09.2024
Testing basis	EN 14511:2018, EN 14825:2018, EN 12102:2017
Testing laboratory	RISE Research Institutes of Sweden

Model Jäspi Inverter Nordic 8R 3x400V	
Model name	Jäspi Inverter Nordic 8R 3x400V
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 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	5.22 kW	7.02 kW
El input	1.03 kW	2.22 kW
COP	5.07	3.17

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	49 dB(A)	49 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	196 %	146 %
Prated	5.30 kW	5.30 kW
SCOP	4.99	3.73
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.25 kW	4.57 kW
COP Tj = -7°C	2.90	2.19
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.12 kW	2.80 kW
COP Tj = +2°C	5.08	3.77
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.44 kW	2.05 kW

COP Tj = +7°C	6.49	4.75
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	2.47 kW	2.30 kW
COP Tj = 12°C	7.36	5.70
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	5.02 kW	4.82 kW
COP Tj = Tbiv	2.98	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.02 kW	4.82 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.98	2.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	65 °C	65 °C
Poff	8 W	8 W
PTO	13 W	13 W
PSB	11 W	11 W
PCK	5 W	5 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.28 kW	0.48 kW
Annual energy consumption Qhe	2196 kWh	2939 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	49 dB(A)	49 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	161 %	123 %
Prated	5.40 kW	5.20 kW
SCOP	4.11	3.16
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.25 kW	3.16 kW
COP Tj = -7°C	3.04	2.42
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	1.98 kW	1.95 kW
COP Tj = +2°C	5.25	3.82
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	2.24 kW	2.46 kW
COP Tj = +7°C	6.65	5.32
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.41 kW	2.40 kW
COP Tj = 12°C	7.44	6.10
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	4.44 kW	4.25 kW

COP Tj = Tbiv	2.80	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.63 kW	3.34 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	65 °C	65 °C
Poff	8 W	8 W
PTO	13 W	13 W
PSB	11 W	11 W
PCK	5 W	5 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	1.80 kW	1.90 kW
Annual energy consumption Qhe	3238 kWh	4055 kWh
Pdh Tj = -15°C (if TOL	4.44	4.25
COP Tj = -15°C (if TOL	2.80	2.20
Cdh Tj = -15 °C	0.990	0.990

Model Jäspi Inverter Nordic 8R 1x230V	
Model name	Jäspi Inverter Nordic 8R 1x230V
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder Climate
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	5.22 kW	7.02 kW
El input	1.03 kW	2.22 kW
COP	5.07	3.17

EN 12102-1 | Average Climate		
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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	65 °C	65 °C
Poff	8 W	8 W
PTO	13 W	13 W
PSB	11 W	11 W
PCK	5 W	5 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.28 kW	0.48 kW
Annual energy consumption Qhe	2196 kWh	2939 kWh

EN 12102-1 | Colder Climate

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COP Tj = +2°C	5.25	3.82
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	2.24 kW	2.46 kW
COP Tj = +7°C	6.65	5.32
Cdh Tj = +7 °C	0.960	0.970
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COP Tj = 12°C	7.44	6.10
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Pdh Tj = Tbiv	4.44 kW	4.25 kW

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PTO	13 W	13 W
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