

#### Page 1 of 6 This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	Jäspi Inverter Nordic 16	Reg. No.	012-SC0655-18	
Certificate Holder				
Name	Kaukora			
Address	Tuotekatu 11	Zip	FI-21200	
City	Raisio	Country	Finland	
Certification Body	RISE CERT	RISE CERT		
Name of testing laboratory	DTI	DTI		
Subtype title	Jäspi Inverter Nordic 16	Jäspi Inverter Nordic 16		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R410a	R410a		
Mass Of Refrigerant	3 kg	3 kg		
Certification Date	05.05.2020			



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## Model: Jäspi Inverter Nordic 16

General Data	
Power supply	3x400V 50Hz

### Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.94 kW	7.25 kW	
El input	1.43 kW	2.35 kW	
СОР	4.85	3.08	
Indoor water flow rate	1.20 m³/h	0.78 m³/h	

### **Average Climate**

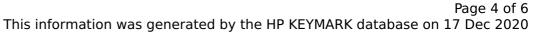


 $$\operatorname{\textit{Page}}\xspace$  3 of 6 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	199 %	153 %
Prated	11.00 kW	12.30 kW
SCOP	5.05	3.90
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.70 kW	10.90 kW
COP Tj = -7°C	3.41	2.48
Pdh Tj = +2°C	6.50 kW	6.70 kW
COP Tj = +2°C	5.08	3.96
Pdh Tj = +7°C	6.90 kW	5.90 kW
COP Tj = +7°C	5.95	4.69
Pdh Tj = 12°C	6.80 kW	6.50 kW
COP Tj = 12°C	7.36	5.81
Pdh Tj = Tbiv	9.70 kW	10.90 kW
COP Tj = Tbiv	3.41	2.48

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Pdh Tj = TOL	10.80 kW	11.60 kW
COP Tj = TOL	3.11	2.40
Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	25 W	25 W
РТО	7 W	7 W
PSB	25 W	25 W
PCK	37 W	37 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.20 kW	0.70 kW
Annual energy consumption Qhe	4508 kWh	6530 kWh

#### Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	165 %	134 %
Prated	13.00 kW	14.00 kW
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SCOP	4.19	3.41
Tbiv	-12 °C	-12 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.90 kW	8.50 kW
$COP Tj = -7^{\circ}C$	3.50	2.85
Pdh Tj = +2°C	6.20 kW	6.10 kW
$COP Tj = +2^{\circ}C$	5.25	4.15
Pdh Tj = $+7^{\circ}$ C	5.90 kW	6.00 kW
$COP Tj = +7^{\circ}C$	5.60	4.80
Pdh Tj = 12°C	6.70 kW	6.40 kW
COP Tj = 12°C	7.00	5.80
Pdh Tj = Tbiv	9.60 kW	10.30 kW
COP Tj = Tbiv	3.15	2.55
Pdh Tj = TOL	8.30 kW	8.70 kW
COP Tj = TOL	2.30	1.94
Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	25 W	25 W
РТО	7 W	7 W
PSB	25 W	25 W
PCK	37 W	37 W



# $$\operatorname{\textit{Page}}\xspace$ 6 of 6 This information was generated by the HP KEYMARK database on 17 Dec 2020

Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.70 kW	5.30 kW
Annual energy consumption Qhe	7639 kWh	10108 kWh