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Login

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			
Subtype title	Jäspi Inverter Nordic 16			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	3 kg			
Certification Date	05.05.2020			



Model: Jäspi Inverter Nordic 16

Configure model			
Model name	Jäspi Inverter Nordic 16		
Application	Heating (medium temp)		
Units	Outdoor		
Climate Zone	Colder Climate		
Reversibility	No		
Cooling mode application (optional)	n/a		

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	

Colder Climate

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

EN 14825			
	Low temperature	Medium temperature	
η_{s}	165 %	134 %	
Prated	13.00 kW	14.00 kW	
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°C	3.50	2.85	
Pdh Tj = +2°C	6.20 kW	6.10 kW	
COP Tj = +2°C	5.25	4.15	
Pdh Tj = +7°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	

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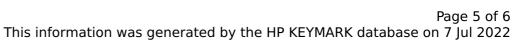
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.30 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	0.99
WTOL	65 °C	65 °C
Poff	25 W	25 W
РТО	7 W	7 W
PSB	25 W	25 W
PCK	37 W	37 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.70 kW	5.30 kW
Annual energy consumption Qhe	7639 kWh	10108 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature
	199 %	153 %
d	11.00 kW	12.30 kW
	11.00 KW	12.50 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
$COP Tj = -7^{\circ}C$	3.41	2.48
Pdh Tj = $+2$ °C	6.50 kW	6.70 kW
COP Tj = +2°C	5.08	3.96
Pdh Tj = $+7^{\circ}$ C	6.90 kW	5.90 kW
$COPTj = +7^{\circ}C$	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
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	10.80 kW	11.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.11	2.40
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	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



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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