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This information was generated by the HP KEYMARK database on 7 Jul 2022

Login

Summary of	JAMA Star-15	Reg. No.	012-SC0662-18	
Certificate Holder				
Name	Kaukora	Kaukora		
Address	Tuotekatu 11	Zip	FI-21200	
City	Raisio	Country	Finland	
Certification Body	RISE CERT	RISE CERT		
Subtype title	JAMA Star-15	JAMA Star-15		
Heat Pump Type	Brine/Water	Brine/Water		
Refrigerant	R407c	R407c		
Mass of Refrigerant	2 kg	2 kg		



Model: Star-15

Configure model		
Model name	Star-15	
Application	Heating (medium temp)	
Units	Indoor	
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	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.42 kW	14.83 kW
El input	3.63 kW	5.05 kW
СОР	4.25	2.94

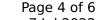
Colder Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	180 %	141 %
Prated	18.00 kW	18.00 kW
SCOP	4.70	3.72
Tbiv	-17 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	15.60 kW	14.70 kW
COP Tj = -7°C	4.73	3.60
Pdh Tj = $+2$ °C	15.70 kW	15.00 kW
COP Tj = +2°C	4.85	3.95
Pdh Tj = $+7^{\circ}$ C	15.80 kW	15.30 kW
COP Tj = +7°C	4.84	4.21
Pdh Tj = 12°C	15.80 kW	15.50 kW
COP Tj = 12°C	4.49	4.35
Pdh Tj = Tbiv	15.50 kW	14.60 kW
COP Tj = Tbiv	4.58	3.29

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





This information was generated by the HP KEYMARK database on 7 Jul 2022 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 15.40 kW 14.60 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 4.41 2.96 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.98 0.99 WTOL 65 °C 65 °C Poff 2 W 2 W 60 W PTO 60 W

7 W

35 W

Electricity

2.60 kW

9454 kWh

7 W

35 W

Electricity

3.40 kW

11893 kWh

Average Climate

Supplementary Heater: PSUP

Annual energy consumption Qhe

Supplementary Heater: Type of energy input

PSB

PCK

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	138 %
Prated	18.00 kW	18.00 kW





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		ark database on 7 jul 2022
SCOP	4.57	3.65
Tbiv	-6 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7 °C	15.40 kW	6.00 kW
$COP Tj = -7^{\circ}C$	4.52	3.16
Pdh Tj = $+2$ °C	15.60 kW	14.80 kW
COP Tj = +2°C	4.70	3.72
Pdh Tj = $+7^{\circ}$ C	15.70 kW	15.10 kW
$COPTj = +7^{\circ}C$	4.82	4.01
Pdh Tj = 12°C	15.80 kW	15.40 kW
COP Tj = 12°C	4.73	4.27
Pdh Tj = Tbiv	15.50 kW	14.60 kW
COP Tj = Tbiv	4.55	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.40 kW	14.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.41	2.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	60 W	60 W
PSB	7 W	7 W
PCK	35 W	35 W



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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.60 kW	3.40 kW
Annual energy consumption Qhe	8134 kWh	10194 kWh