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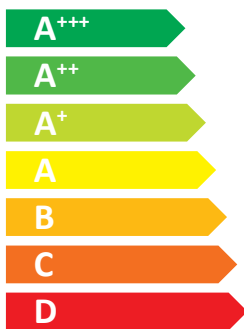
JÄMÄ

JÄMÄ STAR 8 RST



55 °C

35 °C



A++

A+++



42 dB



dB

■ 9
■ 9
■ 9
kW

■ 10
■ 10
■ 10
kW



2019

811/2013

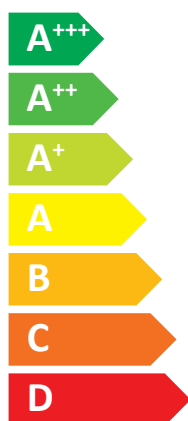


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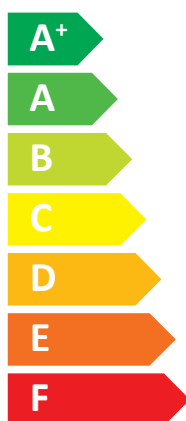


JÄMÄ

JÄMÄ STAR 8 RST



A++



A



42 dB



dB



■ 9 kW
■ **9 kW**
■ 9 kW

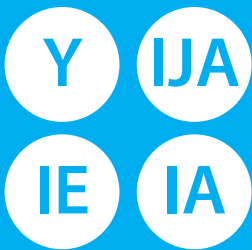
2019

811/2013



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JÄMÄ

JÄMÄ STAR 8 RST



A++



A



A+++

A++

A+

A

B

C

D

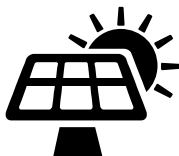
E

F

G

A+++

+



+



+



+



A+++

A++

A+

A

B

C

D

E

F


G

A

Supplier's name:	Kaukora		
Model:	Jämä Star 8 RST		
Temperature application	35	55	°C
Declared load profile for water heating	XL		
Seasonal space heating energy efficiency class, average climate:	A+++	A++	
Water heating energy efficiency class, average climate:	A		
Rated heat output, average climate:	10	9	kW
Annual energy consumption for space heating, average climate	4245	4907	kWh
Annual electricity consumption for water heating, average climate	1668		kWh
Seasonal space heating energy efficiency, average climate:	187	147	%
Water heating energy efficiency, average climate:	100		%
Sound power level LWA indoors	42		dB
Rated heat output, cold climate:	10	9	kW
Rated heat output, warm climate:	10	9	kW
Annual energy consumption for space heating, cold climate	4904	5599	kWh
Annual electricity consumption for water heating, cold climate	1668		kWh
Annual energy consumption for space heating, warm climate	2842	3255	kWh
Annual electricity consumption for water heating, warm climate	1668		kWh
Seasonal space heating energy efficiency, cold climate:	193	152	%
Water heating energy efficiency, cold climate:	100		%
Seasonal space heating energy efficiency, warm climate:	186	146	%
Water heating energy efficiency, warm climate:	100		%
Sound power level LWA outdoors	-		dB

Data for package fiche

Controller class	VII		
Controller contribution to efficiency	3,5		%
Seasonal space heating energy efficiency of package, average climate:	190	150	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	197	156	%
Seasonal space heating energy efficiency of package, warm climate:	189	150	%

Model(s):		Jämä Star 8 RST							
Type of heat source/sink:		Brine-to-water							
Low-temperature heat pump:		No							
Equipped with supplementary heater:		Yes							
Heat pump combination heater:		Yes							
Climate condition:		Average							
Temperature application:		Medium temperature (55 °C)							
Applied standards: EN14825 and EN16147									
Rated heat output		Prated	9,2	kW	Seasonal space heating energy efficiency		η_s	147	%
<i>Declared capacity for part load at outdoor temperature Tj</i>					<i>Declared coefficient of performance for part load at outdoor temperature Tj</i>				
Tj = -7 °C	Pdh	7,4	kW	Tj = -7 °C	COPd	3,31	-		
Tj = +2 °C	Pdh	7,7	kW	Tj = +2 °C	COPd	3,93	-		
Tj = +7 °C	Pdh	7,9	kW	Tj = +7 °C	COPd	4,30	-		
Tj = +12 °C	Pdh	8,0	kW	Tj = +12 °C	COPd	4,73	-		
Tj = biv	Pdh	7,5	kW	Tj = biv	COPd	3,49	-		
Tj = TOL	Pdh	7,2	kW	Tj = TOL	COPd	3,09	-		
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-		
Bivalent temperature	T _{biv}	-5	°C	Operation limit temperature		TOL	-10	°C	
Cycling interval capacity for heating	P _{cyh}		kW	Cycling interval efficiency		COP _{cyh}		-	
Degradation co-efficient	Cdh	1,00	-	temperature		WTOL	65	°C	
<i>Power consumption in modes other than active mode</i>					<i>Supplementary heater</i>				
Off mode	P _{OFF}	0,002	kW	Rated heat output		P _{sup}	2,0	kW	
Thermostat-off mode	P _{TO}	0	kW						
Standby mode	P _{SB}	0,007	kW	Type of energy input		Electric			
Crankcase heater mode	P _{CK}	0,014	kW						
<i>Other items</i>									
Capacity control	fixed			Rated air flow rate, outdoors				m³/h	
Sound power level, indoors/outdoors	L _{WA}	42/-	dB	Rated water flow rate, indoor heat exchanger			0,79	m³/h	
Annual energy consumption	Q _{HE}	4907	kWh	Rated brine or water flow rate, outdoor heat exchanger			1,43	m³/h	
<i>For heat pump combination heater:</i>									
Declared load profile		XL		Water heating energy efficiency		η_{wh}	100	%	
Daily electricity consumption	Q _{elec}	7,60	kWh	Daily fuel consumption		Q _{fuel}		kWh	
Annual electricity consumption	AEC	1669	kWh	Annual fuel consumption		AFC		GJ	
Approved by:									
Contact details		Kaukora Oy P.O Box 21, Tuotekatu 11, 21201 Raisio Finland							