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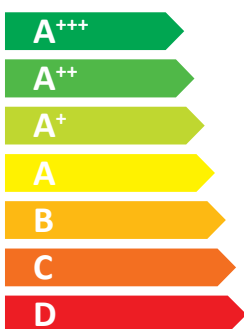
JÄMÄ

JÄMÄ STAR 16 RST INVERTER



55 °C

35 °C



A+++

A+++



42 dB



dB

■ 16
■ **16**
■ 16
kW

■ 16
■ **16**
■ 16
kW



2019

811/2013



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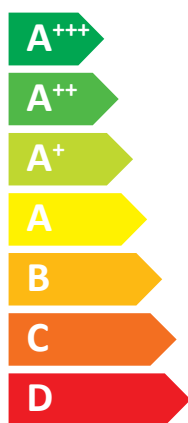


JÄMÄ

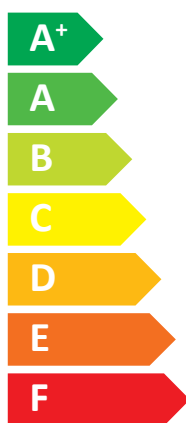
JÄMÄ STAR 16 RST INVERTER



XL



A+++



A



42 dB



dB



■ 16 kW
■ 16 kW
■ 16 kW

2019

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Y

IJA

IE

IA

JÄMÄ

JÄMÄ STAR 16 RST INVERTER



A+++



A



A+++

A++

A+

A

B

C

D

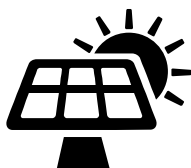
E

F

G

A+++

+



+



+



+



A+++

A++

A+

A

B

C

D

E

F

G

A

Supplier's name:	Kaukora		
Model:	Jämä Star 16 RST Inverter		
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:	16	16	kW
Annual energy consumption for space heating, average climate	6373	8167	kWh
Annual electricity consumption for water heating, average climate	1709		kWh
Seasonal space heating energy efficiency, average climate:	199	154	%
Water heating energy efficiency, average climate:	98		%
Sound power level LWA indoors	42		dB
Rated heat output, cold climate:	16	16	kW
Rated heat output, warm climate:	16	16	kW
Annual energy consumption for space heating, cold climate	7218	9434	kWh
Annual electricity consumption for water heating, cold climate	1709		kWh
Annual energy consumption for space heating, warm climate	4169	5386	kWh
Annual electricity consumption for water heating, warm climate	1709		kWh
Seasonal space heating energy efficiency, cold climate:	211	159	%
Water heating energy efficiency, cold climate:	98		%
Seasonal space heating energy efficiency, warm climate:	197	151	%
Water heating energy efficiency, warm climate:	98		%
Sound power level LWA outdoors	-		dB

Data for package fiche

Controller class	VII		
Controller contribution to efficiency	4		%
Seasonal space heating energy efficiency of package, average climate:	203	158	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	215	163	%
Seasonal space heating energy efficiency of package, warm climate:	201	155	%

Model(s):				Jämä Star 16 RST Inverter							
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	16,0	kW	Seasonal space heating energy efficiency			ηs	154	%
Declared capacity for part load at outdoor temperature Tj						Declared coefficient of performance for part load at outdoor temperature Tj					
Tj = -7 °C			Pdh	14,2	kW	Tj = -7 °C			COPd	3,00	-
Tj = +2 °C			Pdh	8,7	kW	Tj = +2 °C			COPd	4,10	-
Tj = +7 °C			Pdh	5,6	kW	Tj = +7 °C			COPd	4,90	-
Tj = +12 °C			Pdh	5,5	kW	Tj = +12 °C			COPd	5,00	-
Tj = biv			Pdh	15,4	kW	Tj = biv			COPd	2,80	-
Tj = TOL			Pdh	15,4	kW	Tj = TOL			COPd	2,80	-
Tj = -15 °C (if TOL < -20 °C)			Pdh		kW	Tj = -15 °C (if TOL < -20 °C)			COPd		-
Bivalent temperature			Tbiv	-10	°C	Operation limit temperature			TOL	-10	°C
Cycling interval capacity for heating			Pcych		kW	Cycling interval efficiency			COPcyc		-
Degradation co-efficient			Cdh	0,99	-	temperature			WTOL	65	°C
Power consumption in modes other than active mode						Supplementary heater					
Off mode			P _{OFF}	0,002	kW	Rated heat output			Psup	0,6	kW
Thermostat-off mode			P _{TO}	0,02	kW						
Standby mode			P _{SB}	0,007	kW	Type of energy input			Electric		
Crankcase heater mode			P _{CK}	0,03	kW						
Other items											
Capacity control			variable			Rated air flow rate, outdoors					m³/h
Sound power level, indoors/outdoors			L _{WA}	42/-	dB						
Annual energy consumption			Q _{HE}	8167	kWh	Rated brine or water flow rate, outdoor heat exchanger				1,84	m³/h
For heat pump combination heater:											
Declared load profile			XL			Water heating energy efficiency			η _{wh}	98	%
Daily electricity consumption			Q _{elec}	7,78	kWh	Daily fuel consumption			Q _{fuel}		kWh
Annual electricity consumption			AEC	1709	kWh	Annual fuel consumption			AFC		GJ
Approved by:											
Contact details			Kaukora Oy P.O Box 21, Tuotekatu 11, 21201 Raisio Finland								