



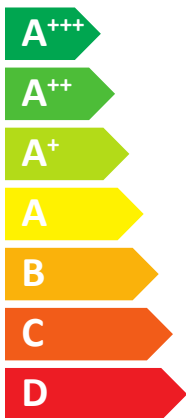
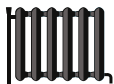
ENERG

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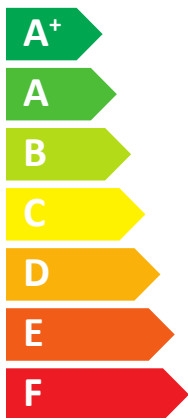


TIKI

AMS10-12 + SHK 200S



A⁺⁺



A

35 dB

58 dB



- 13 kW
- 10 kW**
- 12 kW



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Y

IJA

IE

IA

TIKI

AMS10-12 + SHK 200S

A++

A

XL

+

+

+

+

X

A+++

A++

A+

A

B

C

D

E

F

G

A++

XL

A+++

A++

A+

A

B

C

D

E

F


G

A

Supplier's name:	TIKI		
Model:	AMS10-12 + SHK 200S		
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:	11.5	10,0	kW
Annual energy consumption for space heating, average climate	5382	6136	kWh
Annual electricity consumption for water heating, average climate	1702		kWh
Seasonal space heating energy efficiency, average climate:	174	132	%
Water heating energy efficiency, average climate:	98		%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	11,5	13,0	kW
Rated heat output, warm climate:	12,0	12,0	kW
Annual energy consumption for space heating, cold climate	7798	11197	kWh
Annual electricity consumption for water heating, cold climate	1904		kWh
Annual energy consumption for space heating, warm climate	2759	3419	kWh
Annual electricity consumption for water heating, warm climate	1551		kWh
Seasonal space heating energy efficiency, cold climate:	142	111	%
Water heating energy efficiency, cold climate:	88		%
Seasonal space heating energy efficiency, warm climate:	229	185	%
Water heating energy efficiency, warm climate:	108		%
Sound power level LWA outdoors	58		dB

Data for package fiche

Controller class	VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	178	136	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	146	115	%
Seasonal space heating energy efficiency of package, warm climate:	233	189	%

Model(s):				AMS10-12 + SHK 200S							
Type of heat source/sink:				Air-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, EN16147											
Rated heat output				Prated	10,0	kW		Seasonal space heating energy efficiency			
								η_s	132	%	
<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	8,9	kW		Tj = -7 °C	COPd	1,99	-			
Tj = +2 °C	Pdh	5,5	kW		Tj = +2 °C	COPd	3,22	-			
Tj = +7 °C	Pdh	3,5	kW		Tj = +7 °C	COPd	4,61	-			
Tj = +12 °C	Pdh	5,0	kW		Tj = +12 °C	COPd	6,25	-			
Tj = biv	Pdh	9,2	kW		Tj = biv	COPd	1,90	-			
Tj = TOL	Pdh	8,1	kW		Tj = TOL	COPd	1,92	-			
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		-			
Bivalent temperature				T _{biv}	-7,9	°C		Operation limit temperature			
Cycling interval capacity for heating				P _{cyh}		kW		Cycling interval efficiency			
Degradation co-efficient				Cdh	0,98	-		Heating water operating limit			
								TOL	-10	°C	
								COP _{cyh}		-	
								WTOL	58	°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			
Thermostat-off mode				P _{TO}	0,014	kW		P _{sup}			
Standby mode				P _{SB}	0,015	kW		1,9			
Crankcase heater mode				P _{CK}	0,035	kW		Type of energy input			
								Electric			
<i>Other items</i>											
Capacity control				variable				Rated air flow rate, outdoors			
Sound power level, indoors/outdoors				L _{WA}	35/58	dB		4380			
Annual energy consumption				Q _{HE}	6136	kWh		Rated water flow rate, indoor heat exchanger			
								0,86			
								Rated brine or water flow rate, outdoor heat exchanger			
								m ³ /h			
								m ³ /h			
<i>For heat pump combination heater:</i>											
Declared load profile				XL				Water heating energy efficiency			
								η_{wh}	98	%	
Daily electricity consumption				Q _{elec}	7,75	kWh		Daily fuel consumption			
Annual electricity consumption				AEC	1702	kWh		Q _{fuel}			
								AFC			
								kJ			
Approved by:											
Contact details								TIKI HVAC d.o.o., Partizanska cesta 12, 3320 Velenje, Slovenia			