

Yutaki S

Compact, highly efficient system: heating, hot water and cooling



Satisfies all demands

Extensive range of outputs from 1.85 kW to 32.00 kW for heating, and from 3.80 kW to 20.60 kW for cooling. 25.50 and 32.00 kW models are unique on the market.

Best performance on the market*

The Yutaki S has the **highest COP** compared to competing systems, which translates into lower energy consumption and bigger savings. All units have up to A+++ maximum energy efficiency. *Depends on model.

Exclusive design to work in the most extreme conditions

Its broad operating range means the system can work in extreme outdoor conditions: **from -25°C to +46°C**.

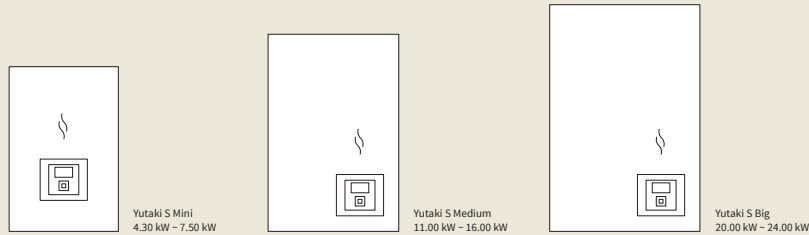
Reduced consumption

Unique on the market - water temperature up to 60°C without the need for a backup heating element, achieving significant savings compared to other manufacturer models.

Compact dimensions

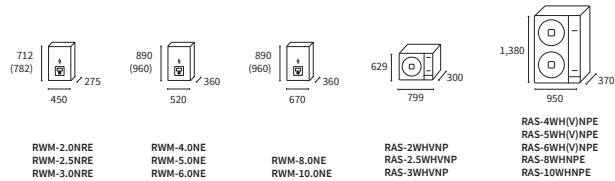
Its compact size and easy installation make it the perfect system for confined spaces. Models from 4.30 to 7.50 kW, even fitting in a kitchen cabinet. (Fig. 1)

Fig. 1



Indoor units

Outdoor units



Yutaki S

System		Yutaki S 2	Yutaki S 2.5	Yutaki S 3	Yutaki S 4	Yutaki S 5	Yutaki S 6	Yutaki S 8	Yutaki S 10
Capacity	Heating (Min/Nom/Max) kW	1.85/4.30/7.00	1.85/6.00/8.60	2.10/8.00/11.00	4.30/11.00/15.20	4.80/14.00/16.70	5.50/16.00/17.80	9.00/20.00/25.50	10.00/24.00/32.00
	Cooling (Nom/Max) kW	4.00/5.00	5.30/6.20	6.50/7.00	7.20/11.80	9.50/12.60	10.50/13.70	14.00/16.40	17.50/20.60
Consumption	Heating (Nom) kW	0.82	1.25	1.74	2.20	2.97	3.50	4.65	5.59
	Cooling (Nom) kW	1.00	1.47	1.94	2.18	2.68	3.17	4.48	6.22
Electrical power		1-230V 50Hz	1-230V 50Hz	1-230V 50Hz	1-230V 50Hz	1-230V 50Hz	1-230V 50Hz	-	-
COP (Water 35°C, Ambient 7°C)	Nominal	5.25	4.80	4.60	5.00	4.71	4.57	4.30	4.29
EER (Water 7°C, Ambient 35°C)	Nominal	4.00	3.60	3.35	3.30	3.30	3.31	3.12	2.81
Energy rating at 35°C		A+++	A+++	A+++	A+++	A+++	A++	A++	A+
Seasonal efficiency at 35°C, SCOP / ηs		4.93/181	4.58/177	4.25/175	4.75/189	4.45/176	3.90/153	3.83/152	3.60/142
Energy rating at 55°C		A++	A++	A++	A++	A++	A++	A+	A+
Seasonal efficiency at 55°C, SCOP / ηs	Medium climate	3.58/133	3.38/130	3.25/125	3.50/137	3.43/134	3.23/126	3.13/122	2.98/118
ESEER		3.36	3.26	3.26	3.33	3.29	2.84	3.56	3.32
SEER / ηs	Single-phase	4.11/162	4.13/162	3.95/155	4.93/194	4.83/190	4.70/185	4.29/169	4.06/159
	Three-phase	-	-	-	5.05/199	4.92/194	4.78/188	-	-
Outdoor operating temperatures	Heating (DB) °C	-20 to 25	-20 to 25	-20 to 25	-25 to 25	-25 to 25	-25 to 25	-25 to 25	-25 to 25
	Hot water (DB) °C	-20 to 35	-20 to 35	-20 to 35	-25 to 35	-25 to 35	-25 to 35	-25 to 35	-25 to 35
	Cooling (DB) °C	10 to 46	10 to 46	10 to 46	10 to 46	10 to 46	10 to 46	10 to 46	10 to 46
Water production temperatures	Heating °C	20 to 55	20 to 55	20 to 55	20 to 60	20 to 60	20 to 60	20 to 60	20 to 60
	Hot water °C	30 to 75	30 to 75	30 to 75	30 to 75	30 to 75	30 to 75	30 to 75	30 to 75
	Cooling °C	5 to 22	5 to 22	5 to 22	5 to 22	5 to 22	5 to 22	5 to 22	5 to 22
Refrigerant pipe diameter	Liquid-gas inches	1/4-1/2	1/4-1/2	1/4-5/8	3/8-5/8	3/8-5/8	3/8-5/8	3/8-1	1/2-1
Water pipe diameter	Input-output inches	1-1	1-1	1-1	1-1/4-1-1/4	1-1/4-1-1/4	1-1/4-1-1/4	1-1/4-1-1/4	1-1/4-1-1/4
Indoor unit		RWM-2.0NRE	RWM-2.5NRE	RWM-3.0NRE	RWM-4.0NRE	RWM-5.0NRE	RWM-6.0NRE	RWM-8.0NRE	RWM-10.0NRE
Minimum water volume of the installation	l	28	28	28	38	46	55	76	79
Water flow	(Min-Nom-Max) m ³ /h	0.50 - 0.77 - 1.90	0.60 - 1.03 - 2.00	0.60 - 1.29 - 2.10	1.00 - 1.89 - 2.90	1.10 - 2.41 - 3.00	1.2 - 2.75 - 3.00	2.00 - 3.44 - 4.50	2.20 - 4.13 - 4.60
Emergency heating element in primary	Steps/Capacity n ² /kW	3/1-1-1	3/1-1-1	3/1-1-1	3/2-2-2	3/2-2-2	3/2-2-2	3/3-3-3	3/3-3-3
Sound power	dB(A)	37	37	37	39	39	39	47	47
Dimensions (H (with connections) x W x D)	mm	712(782) x450x275	712(782) x450x275	712(782) x450x275	890(960) x520x360	890(960) x520x360	890(960) x520x360	890(960) x670x360	890(960) x670x360
Weight	kg	35	36	37	46	48	48	60	62
Maximum current	Single-phase A	28.9	28.9	28.9	43.4	43.4	43.4	-	-
	Three-phase A	-	-	-	24.2	24.2	24.2	29.2	29.2
Outdoor unit		RAS-2.0NRE	RAS-2.5NRE	RAS-3.0NRE	RAS-4.0NRE	RAS-5.0NRE	RAS-6.0NRE	RAS-8.0NRE	RAS-10.0NRE
Air flow	m ³ /h	2,526	2,526	2,982	4,800	5,400	6,000	7,620	8,040
Sound pressure	dB(A)	46	47	50	49	50	50	59	60
Sound power	dB(A)	61	63	64	64	65	67	73	74
Minimum pipe length	m	3	3	3	5	5	5	5	5
Maximum pipe length	m	50	50	50	75	75	75	70	70
Maximum height difference (highest OU/lowest OU)	m	30/20	30/20	30/20	30/20	30/20	30/20	30/20	30/20
Compressor		Scroll DC Inverter	Scroll DC Inverter	Rotary DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter
Refrigerant		R32	R32	R32	R410A	R410A	R410A	R410A	R410A
Refrigerant charge (length without additional charge)	kg (m)	1.2 (10)	1.3 (10)	1.3 (10)	3.3 (15)	3.4 (15)	3.4 (15)	5.0 (15)	5.3 (15)
Additional refrigerant charge	g/m	15	15	15	60	60	60	65	65
Dimensions (H x W x D)	mm	629x799x300	629x799x300	629x799x300	1,380x950x370	1,380x950x370	1,380x950x370	1,380x950x370	1,380x950x370
Weight	kg	45	45	44	103	103	103	137	139
Maximum current	Single-phase	13	13	17	30	30	30	-	-
	Three-phase	-	-	-	14	14	16	24	24

Compatible controls and accessories:

