

Yutaki M

Compact unit for heating, hot water and cooling without refrigeration connections



Perfect for small spaces

The Hitachi monobloc system is designed for installation in any type of property, especially homes with limited space.

Being a compact system with a single unit installed outdoors means the available space indoors remains unchanged.

Easy to install

The monobloc system ensures all functions are achieved with a single outdoor unit, bringing significant cost savings. Furthermore, installation time is much shorter since practically no pipes are required, there are no cooling connections, and the product is pre-charged at the factory.

Heating and cooling in a single system all year round

By combining the Yutaki M and the **Cooling Kit**, the accessory used to reverse heat pump operation ensures maximum comfort can be enjoyed all year round. The system therefore offers heating in winter and cooling in summer, all with straightforward installation.

Easy, smart control

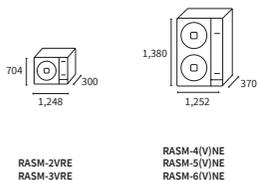
The control with LCD screen can be used for daily and weekly programming, managing water production temperature, operating modes, etc. (Fig. 1)

Fig. 1



PC-ARFHE control

Outdoor units

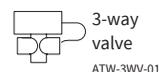


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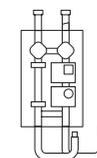
Name of the system		Yutaki M 2	Yutaki M 3	Yutaki M 4	Yutaki M 5	Yutaki M 6
Outdoor unit		RASM-2VRE	RASM-3VRE	RASM-4(V)NE	RASM-5(V)NE	RASM-6(V)NE
Capacity	Heating (Min/Nom/Max) kW	1.85/4.30/6.50	2.1/8.00/11.00	4.30/11.00/15.20	4.80/14.00/16.70	5.50/16.00/17.80
	Cooling (Nom/Max) kW	4.00/5.00	6.50/7.00	7.20/11.80	9.50/12.60	10.50/13.70
Consumption	Heating (Nom) kW	0.82	1.74	2.20	2.97	3.50
	Cooling (Nom) kW	1.00	1.94	2.18	2.68	3.17
Electrical power	Single-phase	1~230V 50Hz				
	Three-phase	-	-	3N~400V 50 Hz	3N~400V 50 Hz	3N~400V 50 Hz
COP (Water 35°C, Ambient 7°C)	Nominal	5.25	4.60	5.00	4.71	4.57
	EER (Water 7°C, Ambient 35°C) Nominal	4.00	3.35	3.54	3.54	3.31
Energy rating at 35°C		A+++	A+++	A+++	A+++	A++
Seasonal efficiency at 35°C, SCOP / ηs		4.93/181	4.25/177	4.75/187	4.45/175	3.90/153
Energy rating at 55°C		A++	A++	A++	A++	A++
Seasonal efficiency at 55°C, SCOP / ηs	Medium climate	3.58/133	3.25/125	3.48/136	3.40/133	3.30/125
ESEER		3.36	3.26	3.33	3.29	2.84
SEER / ηs	Single-phase	4.11/162	3.95/155	4.93/194	4.83/190	4.70/185
	Three-phase	-	-	5.05/199	4.92/194	4.78/188
Outdoor operating temperatures	Heating (DB) °C	-20 to 25	-20 to 25	-25 to 25	-25 to 25	-25 to 25
	Hot water (DB) °C	-20 to 35	-20 to 35	-25 to 35	-25 to 35	-25 to 35
	Cooling (DB) °C	10 to 46				
Water production temperatures	Heating °C	20 to 60				
	Hot water °C	30 to 75				
	Cooling °C	5 to 22				
Maximum current	Single-phase	12.7	17.2	30.8	30.8	30.8
	Three-phase	-	-	14.3	14.3	16.3
Water pipe diameter	Input-output inches	1-1	1-1	1-1/4 - 1-1/4	1-1/4 - 1-1/4	1-1/4 - 1-1/4
Minimum water volume of the installation	l	28	28	38	46	55
Water flow (Min/Nom/Max)	m3/h	0.50 - 0.77 - 1.90	0.60 - 1.29 - 2.10	1.00 - 1.89 - 2.80	1.10 - 2.41 - 3.00	1.20 - 2.75 - 3.00
Air flow	m3/h	2,526	2,982	4,800	5,400	6,000
Sound power	dB(A)	61	69	64	65	69
Compressor		Scroll DC Inverter	Rotary DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter
Refrigerant		R32	R32	R410A	R410A	R410A
Refrigerant charge	kg (m)	1.20	1.30	2.80	3.10	3.10
Dimensions (H x W x D)	mm	704 x 1,248 x 300	704 x 1,248 x 300	1,380x1,252x370	1,380x1,252x370	1,380x1,252x370
Weight	Single-phase	76	78	131	133	133
	Three-phase	-	-	130	132	132

*The control must be purchased for operation.

Compatible controls and accessories:



Cooling Kit
ATW-CKM-01
Can be used to switch machine operation to cold.



2nd temperature kit
ATW-2TK-07
For wall-mounting