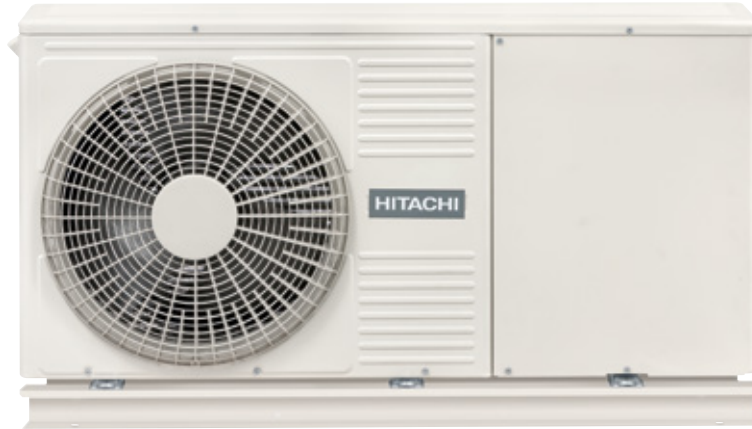


# Yutaki M



Yutaki M

No refrigerant connections:  
heating, cooling, and DHW



## Perfect for small spaces

This one-stop heating solution is ideal for small spaces, consisting only of one unit installed outside the home. Your customers' indoor space is therefore completely untouched.

## Installation time

Installing a monobloc is fast and economical as all the parts are self-contained and there is no need to connect refrigerant pipework.

## Cooling and heating on the same system, all year round

Combining the Yutaki M integral unit with the reversible kit, an accessory that reverses the operation of the heat pump, gives maximum comfort throughout the year. The equipment provides heating in the winter and cool air in the summer.

## Easy, smart controls

The LCD screen on the wired remote control enables daily and weekly programmes to be set up and can manage the water temperature, operating modes, etc. (Fig. 1)

Fig. 1



PC-ARFH1E controller

## Controls and remote controls (see page 40-41)



Wired remote control  
PC-ARFH1E

Not included



Wireless remote control  
ATW-RTU-07

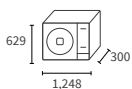
### Other

- 2-zone mixing kit - wall mounted  
ATW-2TK-07

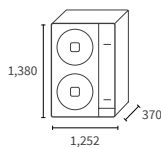
- Hi-Box  
AHP-SMB-01  
- Hi Kumo interface for Hi-Box  
ATW -TAG-02

(for more, see p.16-17)

### Outdoor units



RASM-2VRE  
RASM-3VRE



RASM-4(V)NE  
RASM-5(V)NE  
RASM-6(V)NE

## Yutaki M

Model	R32 REFRIGERANT			R410A REFRIGERANT			
		YUTAKI M 4.3kW	YUTAKI M 8kW	YUTAKI M 11kW	YUTAKI M 14kW	YUTAKI M 16kW	
<b>Performance, heating</b>							
Min./rated/max. heating capacity (7°C outside. / 35°C water)	kW	1.85 / 4.3 / 6.5	2.1 / 8 / 11	11 / 15.2	14 / 16.7	16.0 / 17.8	
Rated/max. power heating (-7°C outside / 35°C water)	kW	4.5 / 5.3	5.8 / 7.5	9.7 / 10.6	11.5 / 12	12 / 13	
Rated/max. power heating (-7°C outside / 45°C water)	kW	/ 5	/ 6.67	10 / 10.3	11 / 11.6	11.5 / 12.5	
Rated/max. power heating (-7°C outside / 55°C water)	kW	4 / 4.2	5 / 5.5	8.7 / 9.8	9.7 / 11.2	10.5 / 12	
Rated power input for heating (7°C outside / 35°C water)	kW	1	1.94	2.2	2.97	3.5	
COP (7°C outside / 35°C water) in accordance with EN14511	-	5.25	4.6	5	4.71	4.57	
SCOP average climate 35°C / 55°C in accordance with EN14825	-	4.73 / 3.48	4.55 / 3.25	4.8 / 3.5	4.48 / 3.43	3.9 / 3.23	
Seasonal heating energy efficiency η <sub>s</sub> (35°C) Single/Three <sup>(1)</sup>	%	181	177	187 / 186	175 / 174	153 / 152	
Seasonal heating energy efficiency η <sub>s</sub> (55°C) Single/Three <sup>(1)</sup>	%	133	125	136 / 135	133 / 133	125 / 125	
Energy rating 35°C / 55°C	-	A+++ / A+++		A+++ / A++		A++ / A++	
Temperature range of water outlet (heating mode)	°C	20 / 60°C			20 / 60°C		
Max. temperature at the water outlet in thermodynamic-only mode	°C	60°C up to -5°C outside			60°C up to -10°C outside		
<b>Performance in Cooling mode (optional)</b>							
Rated/max. power in cooling mode (35°C outside / 7°C water) (reversible)	kW	4 / 5	6.5 / 7	7.2 / 11.8	9.5 / 12.6	10.5 / 13.7	
Rated power input in cooling mode (35°C outside / 7°C water)	kW	0.8	1.7	2.18	2.95	3.72	
EER (reversible model)	-	4	3.35	3.3	3.22	2.82	
Seasonal reversible energy efficiency η <sub>s</sub> (35°C) Single/Three <sup>(1)</sup>	%	186	179	189	176	153	
Seasonal reversible energy efficiency η <sub>s</sub> (55°C) Single/Three <sup>(1)</sup>	%	136	127	137	134	126	
Monoblock		RASM-2VRE	RASM-3VRE	RASM-4(V)NE	RASM-5(V)NE	RASM-6(V)NE	
Backup electrical heater (optional)	kW	6 (2 + 2 + 2)	6 (2 + 2 + 2)	6 (2 + 2 + 2)			
Net weight	kg	76	78	131	133	133	
Dimensions (H x L x D)	mm	704 x 1248 x 300			1380 x 1252 / 370		
Sound pressure level at 1m / sound power	dB(A)	46 / 61	54 / 67	- / 64	- / 65	- / 67	
Air flow rate	m <sup>3</sup> /h	2682	4800	4800	5400	6000	
Operating ranges in Cooling / Heating / DHW mode	°C	+10~+46 // -20~+25 // -20~+35			+10~+46 // -25~+25 // -20~+35		
Remote control	-	Not included			Not included		
<b>Hydraulic features</b>							
Expansion vessel	L	6			6		
Water flow (min / rated / max)	m <sup>3</sup> /h	0.5 / 0.77 / 1.9	0.6 / 1.29 / 2.1	1 / 1.89 / 2.8	1.1 / 2.41 / 3	1.2 / 2.75 / 3	
Water heating connections (valves not supplied)	inches	1"			1"1/4		
Min. system water capacity	L	28			38	46	55
<b>Electrical features</b>							
Power supply	-	230V / 1Ph / 50Hz			230V / 1Ph / 50Hz or 400V / 3Ph / 50Hz		
SINGLE PHASE 230V	Fuse size	A	16	16	32	32	32
	Cable width (mm <sup>2</sup> ) / max. length (m) <sup>(2)</sup>	-	3 x 2.5 / 14	3 x 4 / 16	3 x 6 / 25		
	Fuse size with immersion / Yutaki M Option	A	32	32	50	50	50
	Cable width (mm <sup>2</sup> ) / max. length (m) <sup>(2)</sup>	-	3 x 6 / 28			3 x 10 / 28	
THREE PHASE 400V	Fuse size	-	-	-	16	16	20
	Cable width (mm <sup>2</sup> ) / max. length (m) <sup>(2)</sup>	-	-	-	5 x 4		
	Fuse size with immersion / Yutaki M Option	-	-	-	32	32	32
	Cable width (mm <sup>2</sup> ) / max. length (m) <sup>(2)</sup>	-	-	-	5 x 6		
<b>Refrigerant Characteristics</b>							
Refrigerant load	kg	1.2	1.3	2.8	3.1	3.1	
Refrigerant	-	R32			R410A		
Compressor		SCROLL	ROTARY	SCROLL	SCROLL	SCROLL	

<sup>(1)</sup> Non-regulated seasonal energy efficiency, Keymark-certified. <sup>(2)</sup> Data given for reference purposes only. Compliant with the applicable electrical standards. (V) = single.