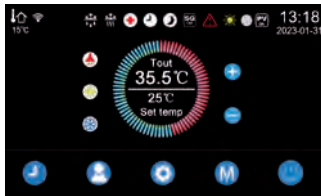


# KŪKI MIZU

## AIR-WATER HEAT PUMP MONOBLOC R32 FOR COOLING, HEATING AND DHW

- **6 capacities:**  
6-9-12-18-22-30 kW
- Colour **Touch Screen Wired Control** included as standard



- Automatic management of the heating flow temperature via climate curve

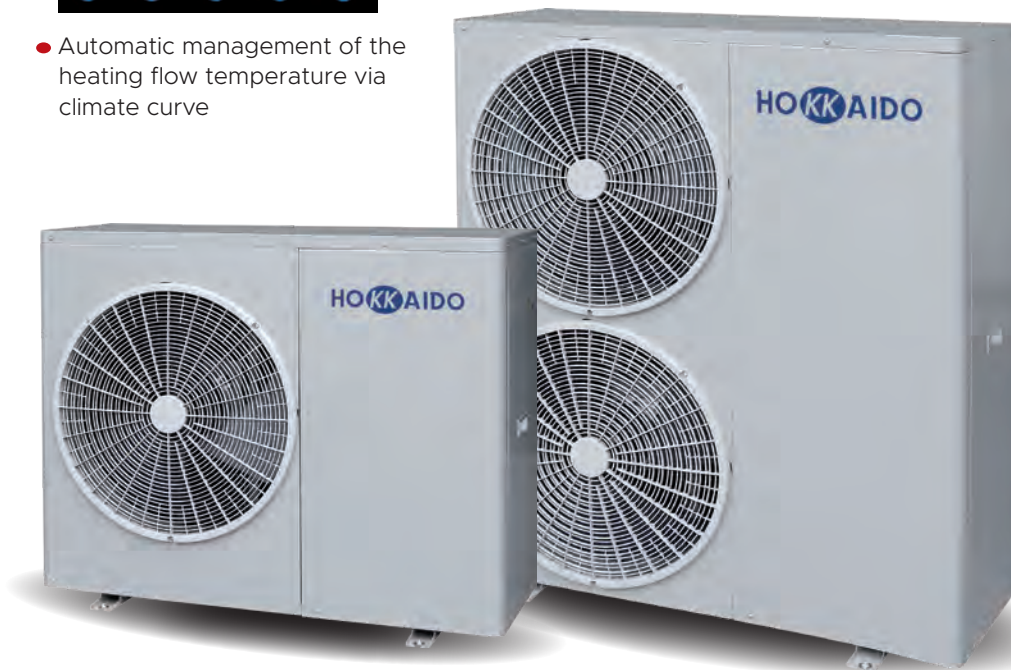


### SMART GRID

Reading the trend of the electricity grid, energy savings guaranteed



Control via **Wi-Fi app**



# KŪKI MIZU MONOBLOC R32



**A+++**

Energy class in heating mode with **35°C** flow water temperature.

**A++**

Energy class in heating mode with **55°C** flow water temperature.

## EFFICIENCY AND PERFORMANCE ALL YEAR ROUND

Heating performance guaranteed down to -25°C outdoor temperature.

The Kūki Mizu heat pump can be installed in any climate zone, even in those with the most severe conditions. In summer, cooling is provided up to 45°C outdoor temperature.

**-25°/+45°C**

Outdoor temperature in heating

**-10°/+45°C**

Outdoor temperature in cooling

**-25°/+45°C**

Outdoor temperature in DHW production

**20~60°C**

Water temperature in heating

**7~25°C**

Water temperature in cooling

# KŪKI MIZU MONOBLOC R32



1-Phase 6.60-9.15-12.20 kW  
HCWNBS 600-900-1200 Z

**ENERGY CLASS**

**A+++**

In heating mode with **35°C** flow water temperature.

**ENERGY CLASS**

**A++**

In heating mode with **55°C** flow water temperature.

Model				HCWNBS 600 Z	HCWNBS 900 Z	HCWNBS 1200 Z
Heating	Rated power	A7//W35	kW	6.60	9.15	12.20
	Power consumption			1.42	2.15	2.94
	Coefficient of performance			4.65	4.26	4.15
	Rated power	A7//W55	kW	5.33	7.75	10.24
	Power consumption			1.71	2.83	3.45
	Coefficient of performance			3.12	2.74	2.97
Cooling	Rated power	A35//W18	kW	6.25	8.99	11.00
	Power consumption			1.54	2.41	3.08
	Energy efficiency			4.06	3.73	3.57
	Rated power	A35//W7	kW	5.16	6.86	9.44
	Power consumption			1.88	2.58	3.48
	Energy efficiency			2.74	2.66	2.71
Seasonal heating data	Prated @ -10°C	35/55	kW	5.10/5.10	5.90/6.00	8.10/7.50
	Seasonal energy efficiency (ηs)			178.8/128.6	177.6/130.5	181.1/131.0
	Seasonal energy efficiency index			4.55/3.29	4.51/3.34	4.60/3.35
	Energy efficiency class			-	A+++/A+++	A+++/A+++
	Annual energy consumption			kWh/a	2296/3203	2684/3724
Operating limits	Outdoor air temperature	Heating	°C	-25~45		
		Cooling		10~45		
		DHW		-25~45		
	Delivery water temperature	Heating	°C	25~60		
		Cooling		7~25		
		DHW		25~60		
Refrigerant circuit data	Refrigerant <sup>1</sup>	type (GWP)		R32 (675)		
	Quantity (tons CO <sub>2</sub> )	kg (t)		1.40 (0.94)		2.10 (1.42)
	Control system	Electronic expansion valve				
	Compressor	type		Rotary - DC Inverter		
Hydraulic data	Heat exchanger	Type	Plate-welded, brazed Stainless Steel			
		Water flow rate	m <sup>3</sup> /h	1.1	1.5	1.9
		Pressure drops	kPa	22	40	50
	Circulation pump	Included				
	Water connections	Type	Threaded			
		Dimension	Inches	1" (DN25)		
	Operating pressure Min/Max	bar		0.5/3.0		
Expansion vessel	Volume	L	5			
Electrical data	Power supply	Ph/V/Hz		1ph-230V-50Hz		
	Maximum current	A		12.00	15.00	17.00
	Power cable (recommended)	type		3x2.5 mm <sup>2</sup>		
Product specifications	Fan	Type	q.ty	DC Inverter x 1		
		Air flow rate	m <sup>3</sup> /h	-	-	-
	Sound power level	dB(A)		60	63	64
	Sound pressure level	dB(A)		46	48	49
	Dimensions	LxDxH	mm	1115x415x900		
	Weight	Net	kg	80	82	125
Control (supplied)	Wired control					

The above data refers to the following standards: EN 14511:2018; EN 14825:2019; EN50564:2011; EN12102-1:2018; EN12102-2:2019; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.

1. Refrigerant leakage contributes to climate change. Refrigerants with a lower global warming potential (GWP) contribute less to global warming when released into the atmosphere than those with a higher GWP.

This appliance contains a refrigerant with a GWP of 675. Therefore, if 1 kg of this refrigerant were released into the atmosphere, the impact on global warming would be 675 times greater than 1 kg of CO<sub>2</sub>, over a period of 100 years. Under no circumstances should the user attempt to intervene on the refrigerant circuit or disassemble the product. In case of need, always contact qualified personnel.

# KŪKI MIZU MONOBLOC R32



3-Phase 19.10-23.00-30.00 kW  
 HCWSBS 1800-2200-3000 Z

**ENERGY CLASS**

**A+++**

In heating mode with **35°C** flow water temperature.

**ENERGY CLASS**

**A++**

In heating mode with **55°C** flow water temperature.

Model				HCWSBS 1800 Z	HCWSBS 2200 Z	HCWSBS 3000 Z	
Heating	Rated power	A7//W35	kW	19.10	23.00	30.00	
	Power consumption			4.44	5.00	7.45	
	Coefficient of performance			4.30	4.60	3.96	
	Rated power	A7//W55	kW	14.73	18.31	27.50	
	Power consumption			4.70	5.87	10.00	
	Coefficient of performance			3.13	3.12	2.75	
Cooling	Rated power	A35//W18	kW	17.82	21.00	27.23	
	Power consumption			4.92	5.66	8.46	
	Energy efficiency			3.62	3.71	3.22	
	Rated power	A35//W7	kW	14.95	16.50	20.50	
	Power consumption			5.20	5.70	7.88	
	Energy efficiency			2.88	2.89	2.60	
Seasonal heating data	Prated @ -10°C	35/55	kW	11.30/10.50	12.00/12.00	15.80/15.10	
	Seasonal energy efficiency (ηs)			%	179.7/132.5	183.2/125.2	177.8/130.4
	Seasonal energy efficiency index			SCOP	4.57/3.39	4.66/3.21	4.52/3.35
	Energy efficiency class			-	A+++ / A++	A+++ / A++	A+++ / A++
	Annual energy consumption			kWh/a	5102/6430	6820/8320	10081/12383
Operating limits	Outdoor air temperature	Heating	°C	-25~45			
		Cooling		10~45			
		DHW		-25~45			
	Delivery water temperature	Heating		25~60			
		Cooling		7~25			
		DHW		25~60		25~55	
Refrigerant circuit data	Refrigerant <sup>1</sup>	type (GWP)	R32 (675)				
	Quantity (tons CO <sub>2</sub> )	kg (t)	3.00 (2.03)		3.56 (2.40)		
	Control system	Electronic expansion valve					
	Compressor	type	Rotary - DC Inverter				
Hydraulic data	Heat exchanger	Type	Plate-welded, brazed Stainless Steel				
		Water flow rate	m <sup>3</sup> /h	3.1	4.0	5.16	
		Pressure drops	kPa	60	40	40	
	Circulation pump	Included					
	Water connections	Type	Threaded				
		Dimension	Inches	1-1/4" (DN32)			
Operating pressure Min/Max	bar		0.5/3.0				
Expansion vessel	Volume	L	5				
Electrical data	Power supply	Ph/V/Hz		3ph-400V-50Hz			
	Maximum current	A		9.40	12.00		
	Power cable (recommended)	type		5x2.5 mm <sup>2</sup>	5x4 mm <sup>2</sup>		
Product specifications	Fan	Type	DC Inverter x 2				
		Air flow rate	m <sup>3</sup> /h				
	Sound power level	dB(A)		67	73	70	
	Sound pressure level	dB(A)		52	58	55	
	Dimensions	LxDxH	mm		1115x415x1320	1115x515x1540	
	Weight	Net	kg		175	180	166
Control (supplied)	Wired control						

The above data refers to the following standards: EN 14511:2018; EN 14825:2019; EN50564:2011; EN12102-1:2018; EN12102-2:2019; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.

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