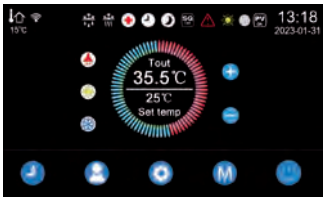
KŪKI MIZU

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		COP	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		COP	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		EER	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		EER	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		SCOP	4.55/3.29	4.51/3.34	4.60/3.35
	Energy efficiency class		-	A+++/A++	A+++/A++	A+++/A++
	Annual energy consumption		kWh/a	2296/3203	2684/3724	3620/4592
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[1]		type (GWP)	R32 (675)		
	Quantity (tons CO2)		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	m³/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 mm²	3x4 mm²	
Product specifications	Fan	Type	q.ty	DC Inverter x 1		
		Air flow rate	m³/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 CO2, 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		COP	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		COP	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		EER	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		EER	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	175.1/130.4
	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	°C	25~60		
		Cooling		7~25		
		DHW		25~60		25~55
Refrigerant circuit data	Refrigerant[1]		type (GWP)	R32 (675)		
	Quantity (tons CO2)		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	m³/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	22.28
	Power cable (recommended)		type	5x2.5 mm²		5x4 mm²
Product specifications	Fan	Type	q.ty	DC Inverter x 2		
		Air flow rate	m³/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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