

KŪKI MIZU

AIR-WATER HEAT PUMP MONOBLOC R32

- **5 capacities:**
6-9-12-18-22 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



ENERGY CLASS

A+++

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

ENERGY CLASS

A++

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

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

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	Theoretical load (Pdesignh) @ -10℃	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/y	2296/3203	2684/3724	3620/4592
	Operating limits		Outdoor air temperature	Heating	℃	-25~45
Cooling		-10~45				
DHW		-25~45				
Delivery water temperature		Heating	℃	20~60		
		Cooling		7~25		
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 kW
HCWSBS 1800-2200 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	
Heating	Rated power	A7//W35	kW	19.10	23.00		
	Power consumption		4.44	5.00			
	Coefficient of performance		COP	4.30	4.60		
	Rated power	A7//W55	kW	14.73	18.31		
	Power consumption		4.70	5.87			
	Coefficient of performance		COP	3.13	3.12		
Cooling	Rated power	A35//W18	kW	17.82	21.00		
	Power consumption		4.92	5.66			
	Energy efficiency		EER	3.62	3.71		
	Rated power	A35//W7	kW	14.95	16.50		
	Power consumption		5.20	5.70			
	Energy efficiency		EER	2.88	2.89		
Seasonal heating data	Theoretical load (Pdesignh) @ -10°C	35/55	kW	11.30/10.50	12.00/12.00		
	Seasonal energy efficiency (ηs)		%	179.7/132.5	183.2/125.2		
	Seasonal energy efficiency index		SCOP	4.57/3.39	4.66/3.21		
	Energy efficiency class		-	A+++ /A++	A+++ /A+++		
	Annual energy consumption		kWh/y	5102/6430	6820/8320		
	Operating limits		Outdoor air temperature	Heating	°C	-25~45	
Cooling		-10~45					
DHW		-25~45					
Delivery water temperature		Heating	°C	20~60			
		Cooling		7~25			
Refrigerant circuit data	Refrigerant ¹		type (GWP)	R32 (675)			
	Quantity (tons CO2)		kg (t)	3.00 (2.03)			
	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		
		Pressure drops	kPa	60	40		
	Circulation pump			Included			
	Water connections	Type	Threaded				
		Dimension	Inches	1-1/4" (DN32)			
	Operating pressure Min/Max		bar 0.5/3.0				
Electrical data	Expansion vessel		Volume	L 5			
	Power supply		Ph/V/Hz	3ph-400V-50Hz			
	Maximum current		A	9.40	12.00		
	Power cable (recommended)		type	5x2.5 mm²			
Product specifications	Fan	Type	q.ty	DC Inverter x 1			
		Air flow rate	m³/h	-	-		
	Sound power level		dB(A)	67	73		
	Sound pressure level		dB(A)	52	58		
	Dimensions	LxDxH	mm	1115x415x1320			
	Weight	Net	kg	175	180		
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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