


HONDO

R32 MONOBLOC AIR-TO-WATER HEAT PUMP

Hondo is Hokkaido's new monoblock air/water heat pump incorporating a high-tech Full DC Inverter with an integrated hydronic module.

The monoblock heat pump Hondo has been designed for both residential and commercial use and is ideal for winter heating, summer cooling and domestic hot water production.



HOT WATER UP TO 65°C WITHOUT SUPPLEMENTS

Additionally, Hondo can be used to produce domestic hot water, reaching a maximum temperature of 65°C, one of the highest in the industry.



FOR RENOVATIONS AND NEW BUILDINGS

Hondo provides a reliable and cost-effective heating, cooling, and ACS production solution for small apartment buildings, single family homes, and flats.

EFFICIENT AND QUIET

As a result of the latest generation of Full DC Inverter technology, you will benefit from the highest level of performance and energy savings. Equipped with intelligent management to enable comfortable and healthy conditions for users at all times.

CLIMATE CURVE

Based on the external temperature, automatically adjusts the water delivery temperature as well as the room temperature.

Climate zones for the heating system

Outdoor design temp.	Maximum delivery temp.	Climate zones
+10°C	65°C	WARMER
+5°C	62°C	
+2°C	60°C	
0°	59°C	AVERAGE
-5°C	56°C	
-10°C	53°C	
-15°C	50°C	
-20°C	47°C	COLDER
-25°C	44°C	

HEATING

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HONDO MONOBLOC R32

OUTDOOR UNITS



Single phase 5.00~6.00 kW
HCWNGS 401 - 601 Z



Single phase 8.20~15.70 kW
HCWNGS 801 - 1001 - 1201 - 1401 - 1601 Z
Three-phase 10.20~15.70 kW
HCWSGS 1001 - 1201 - 1401 - 1601 Z



WiFi
included



Management via
EWPE Smart App

TOP PERFORMANCE IN ALL SEASONS

Guaranteed heating performance up to -25°C outside temperature. The Hondo heat pump can be installed in any climatic zone, even in those with the most severe conditions. During the summer, it can provide cooling to temperatures up to 48°C outside.

-15°/+48°C

Outside temperature
in cooling

-25°/+35°C

Outside temperature in
heating

-25°/+45°C

DHW production outside
temperature

PRODUCT PLUSES



**Aluminium fins
with anti-corrosion
coating**

It guarantees
greater resistance
to salt corrosion.



Emergency Mode

Auxiliary electrical
resistors are
activated in
the event of a
malfunction of the
heat pump.



**Connection with other
heat sources**

The outdoor heat source
will be activated if the
outdoor temperature
falls below the set-point
temperature.



Timer

Weekly up to
3 programs.



Silent mode

Silent mode operation.



Anti-legionella cycles

Activation of the
anti-legionella function.

HEATING
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HONDO MONOBLOC R32

A+++

In heating mode with 35°C delivery water temperature.

A++

In heating mode with 55°C delivery water temperature.



PERFORMANCE

	MODEL	COP	EER
Single phase	HCWNGS 401 Z	5.40	5.20
	HCWNGS 601 Z	5.40	5.10
	HCWNGS 801 Z	5.32	5.32
	HCWNGS 1001 Z	5.05	5.10
	HCWNGS 1201 Z	4.94	4.90
	HCWNGS 1401 Z	4.75	4.57
	HCWNGS 1601 Z	4.55	4.31
Three-phase	HCWSGS 1001 Z	4.95	4.79
	HCWSGS 1201 Z	4.82	4.60
	HCWSGS 1401 Z	4.60	4.19
	HCWSGS 1601 Z	4.40	3.80

HEATING

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HONDO MONOBLOC R32



Single phase 5.00~6.00 kW

HCWNGS 401 Z

Single phase 8.20 kW

HCWNGS 801 Z

**ENERGY
EFFICIENCY CLASS**

A+++

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

**ENERGY
EFFICIENCY CLASS**

A++

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

Model				HCWNGS 401 Z		HCWNGS 601 Z		HCWNGS 801 Z		
Heating	Rated power	A7//W35	kW	5.00		6.00		8.20		
	Electrical absorption			0.93		1.11		1.54		
	Performance coefficient			5.40		5.40		5.32		
	Rated power	A7/W45	kW	4.90		6.80		8.30		
	Electrical absorption			1.17		1.66		1.90		
	Performance coefficient			4.20		4.10		4.36		
Cooling	Rated power	A35//W18	kW	5.00		6.50		8.30		
	Electrical absorption			0.96		1.27		1.56		
	Performance coefficient			5.20		5.10		5.32		
	Rated power	A35//W5	kW	4.90		5.70		7.40		
	Electrical absorption			1.40		1.75		2.00		
	Performance coefficient			3.50		3.25		3.70		
Seasonal heating data	Theoretical load (Pdesignh) @-10°C	35/55	kW	5/5		6/5		8/9		
	Seasonal energy efficiency (ηs)		192/137		199/137		177/145			
	Energy efficiency class		-		A+++/A++					
	Annual energy consumption		kWh/a	2306/2882		2386/2882		3827/5206		
Operating limits	Outside air temperature	Heating	°C	-25~35						
		Cooling		-15~48						
		DHW		-25~45						
	Delivery water temperature	Heating	°C	20~65						
Cooling		5~25								
Refrigerant circuit data	Refrigerant ¹		Type (GWP)	R32 (675)						
	Quantity (tons CO2)		kg (t)	0.95 (0.641)				1.6 (1.080)		
	Control system			Electronic expansion valve						
	Compressor		Type	Rotary - DC Inverter						
Hydraulic data	Heat exchanger	Type		Brazed stainless steel plates						
	Circulation pump	Air flow	m³/h	0.9		1.0		1.4		
		Brand		Shinhoo						
	Water connections	Prevalence ²	kPa	79		78		63		
		Type		Threaded						
	Min/Max. operating pressure	Dimensions	Inches	1" F BSP						
				0.5/2.5						
	Electrical data	Surge tank	Volume	L	2					
Power supply		Pre-load	bar	1						
		Ph/V/Hz		1ph-230V-50Hz						
		Maximum current	Heating	A	11		11		23	
	Cooling	8			8		12			
Product specifications	Power cable (recommended)		Type	3x2.5 mm²				3x6 mm²		
	Fan	Type	qty	DC Inverter						
	Sound power level	Air flow	m³/h	3200				5800		
				58				68		
	Sound pressure level	Heating	dB(A)	58				62		
		Cooling		56				60		
	Dimensions	LxDxH	mm	1150x372x733				1206x445x878		
	Weight	Net	kg	90				120		
	Control (included)				Wire remote control					

The data contained above refer to the following standards: EN14511:2013; EN14825:2013; EN50564:2011; EN12102:2011; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.

- Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.
- Values net of pressure losses of the exchanger.

HEATING

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HONDO MONOBLOC R32



Single phase 10.20~15.70 kW
HCWNGS 1001 Z 1201 Z 1401 Z 1601 Z

Three-phase 10.20~15.70 kW
HCWSGS 1001 Z 1201 Z 1401 Z 1601 Z

ENERGY EFFICIENCY CLASS

A+++

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

ENERGY EFFICIENCY CLASS

A++

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

Model			HCWNGS 1001 Z HCWNGS 1201 Z HCWNGS 1401 Z HCWNGS 1601 Z HCWSGS 1001 Z HCWSGS 1201 Z HCWSGS 1401 Z HCWSGS 1601 Z									
Heating	Rated power	A7//W35	kW	10.20	12.00	14.20	15.70	10.20	12.00	14.20	15.70	
	Electrical absorption			2.02	2.43	2.99	3.45	2.06	2.49	3.09	3.57	
	Performance coefficient		COP	5.05	4.94	4.75	4.55	4.95	4.82	4.60	4.40	
	Rated power	A7//W45	kW	10.20	13.00	14.20	16.20	10.20	13.00	14.20	16.20	
	Electrical absorption			2.50	2.45	3.00	3.60	2.13	2.61	3.32	4.05	
	Performance coefficient		COP	4.08	5.31	4.73	4.50	4.79	4.98	4.28	4.00	
Cooling	Rated power	A35//W18	kW	10.20	12.00	13.70	15.50	10.20	12.00	13.90	15.40	
	Electrical absorption			2.00	2.45	3.00	3.60	2.13	2.61	3.32	4.05	
	Performance coefficient		EER	5.10	4.90	4.57	4.31	4.79	4.60	4.19	3.80	
	Rated power	A35//W5	kW	9.00	11.10	13.30	13.80	9.10	11.10	13.30	13.80	
	Electrical absorption			2.65	3.58	4.75	5.09	2.80	3.58	4.75	5.09	
	Performance coefficient		EER	3.40	3.10	2.80	2.71	3.25	3.10	2.80	2.71	
Seasonal heating data	Theoretical load (Pdesignh) @-10℃	35/55	kW	9/10	12/12	13/13	14/14	9/10	12/12	13/13	13/14	
	Seasonal energy efficiency (ηs)		%	176/135	188/144	185/145	184/145	189/140	180/137	179/138	179/138	
	Energy efficiency class		-	A+++/A++								
	Annual energy consumption		kWh/a	4163/6076	5194/6606	5682/7456	6072/7768	4069/5907	5517/6990	5927/7769	5927/8014	
Operating limits	Outside air temperature	Heating	℃	-25~35								
		Cooling		-15~48								
		DHW		-25~45								
	Delivery water temperature	Heating	℃	20~65								
	Cooling	℃	5~25									
Refrigerant circuit data	Refrigerant ¹	Type (GWP)	R32 (675)									
	Quantity (tons CO2)	kg (t)	1.6 (1.080)	2.2 (1.485)				1.6 (1.080)	2.2 (1.485)			
	Control system		Electronic expansion valve									
	Compressor	Type	Rotary - DC Inverter									
Hydraulic data	Heat exchanger	Type	Brazed stainless steel plates									
		Air flow	m³/h	1.8	2.1	2.4	2.7	1.8	2.1	2.4	2.7	
	Circulation pump	Brand	Shinhoo									
		Prevalence ²	kPa	49	46	32	23	49	46	34	23	
	Water connections	Type	Threaded									
		Dimensions	Inches	1" F BSP								
	Min/Max. operating pressure		bar	0.5/2.5								
	Surge tank	Volume	L	2	3			3				
	Pre-load	bar	1	1			1					
Electrical data	Power supply	Ph/V/Hz	1ph-230V-50Hz						3ph-400V-50Hz			
	Maximum current	Heating	A	25	30	30	30	9	11.5	12	12.5	
	Cooling	12		17	21	23	7	5	8	8.5		
	Power cable (recommended)		Type	3x6 mm²					5x2.5 mm²			
Product specifications	Fan	Type	qty	DC Inverter								
		Air flow	m³/h	5800	5015			5800	5015			
	Sound power level		dB(A)	68	68			68	68			
	Sound pressure level	Heating	dB(A)	62	54	55	56	60	54	55	56	
	Cooling	60		55	57	59	57	55	57	59		
	Dimensions	LxDxH	mm	1206x445x878					1206x445x878			
	Weight	Net	kg	120	138			134	144			
	Control (included)			Wire remote control								

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