

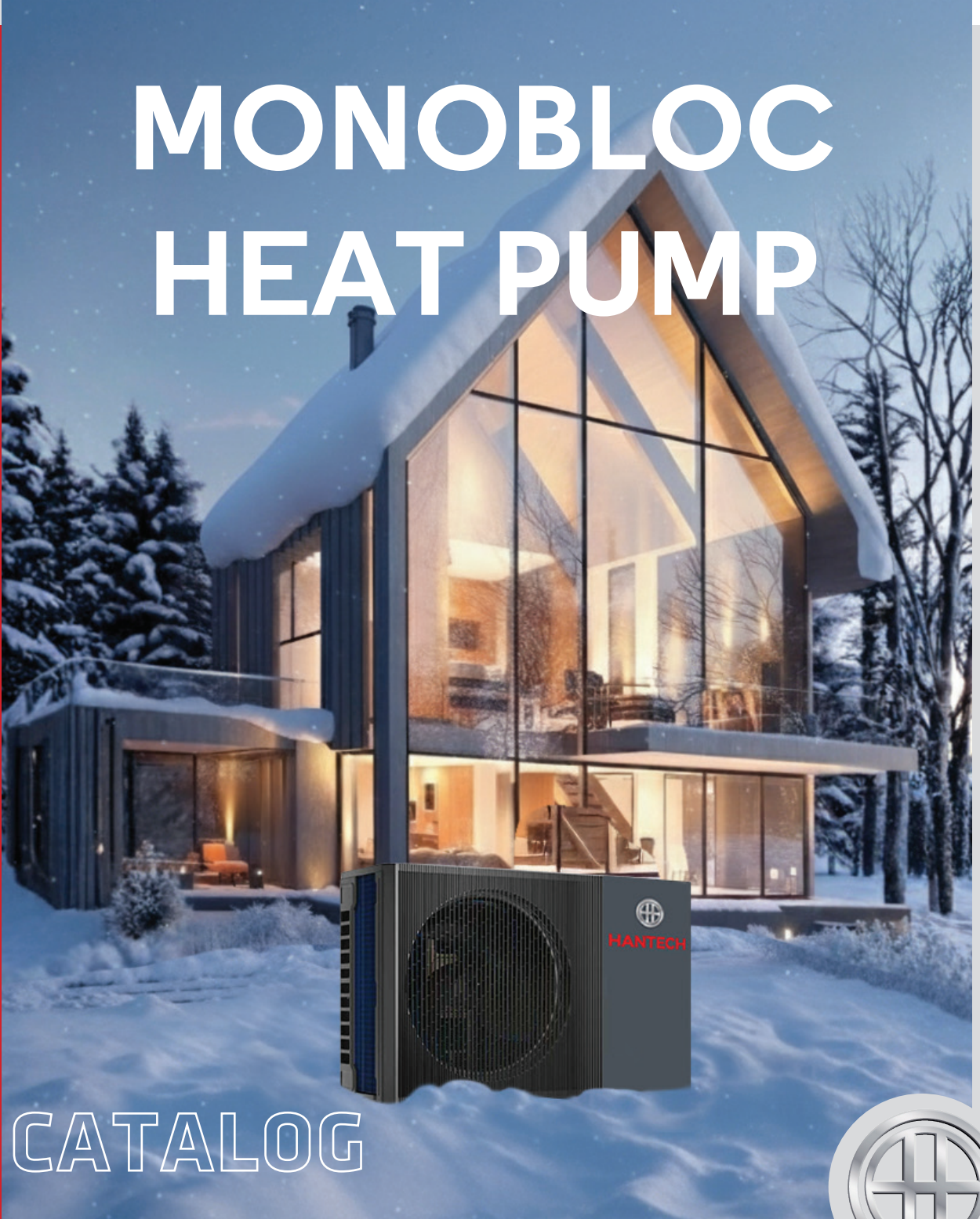


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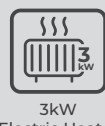
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Monoblock Heat Pump

MONOBLOC HEAT PUMP



CATALOG



High Efficiency and Energy Savings

DC Inverter Compressor (GMCC)

High-Security Electrical Design.

- Resistant to high current and high temperature.

High-Pressure Design

- Low suction pressure
- High pressure
- Efficient heating at low ambient temperatures.

Low Oil Output Design

- Optimized internal tank
- Less oiliness
- An effective solution to oil return issues



Dc Inverter Motor Design

- High efficiency and high SCOP value; 5.33

Low Noise And Vibration

- Low vibration thanks to the twin rotor.
- Noise is reduced by the dual-layer muffler

High-Security Volume Design

- Large oil storage area
- Suitable for use in long piping systems

High-Efficiency L-Type Condenser

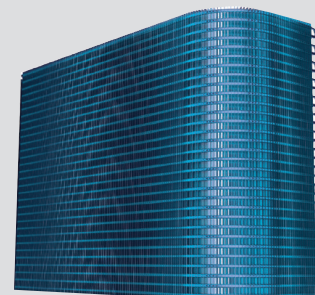
- 3D cross-flow channel design, with an 8% increase in air volume and a more efficient condenser

Corrugated heat transfer tube

- Heat transfer efficiency was increased by 6% through the use of corrosion-resistant fins

Corrugated sheet

- Internally grooved pipe application provides 10% efficiency in heat exchange.



Stepless Inverter Fan Motor

- It reduces power consumption by 20% compared to AC motors,
- Quiet operation

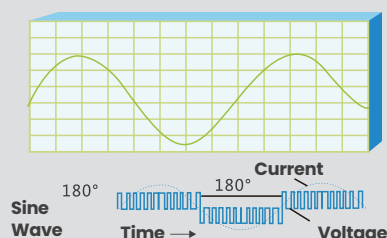
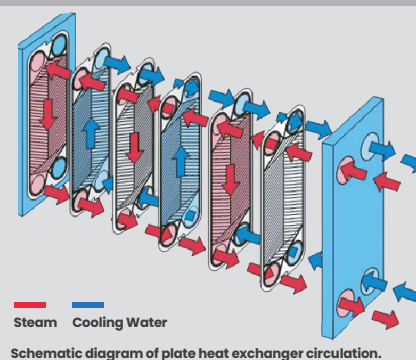


Plate Heat Exchanger

- Resistant to high pressure and temperature.
- Compact design, smaller volume and less pressure drop.
- High corrosion resistance performance.
- High efficiency and lower pollution factor.
- Easy installation and maintenance.
- At low pressure, the heat transfer coefficient of a plate heat exchanger is 3-5 times higher than that of a tube heat exchanger and it occupies 1/3 of the space of a tube heat exchanger.



Environmentally Friendly Refrigerant

- The environmental impact of R290 is measured by its GWP value of 3.
- It saves energy and protects the environment.

R290 

Quick Hot Water Supply

- Water Pump
- Seamless Water Conversion



- Electric Heater
- Quick Water Heating
- Quick Support in Bad Weather

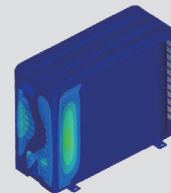
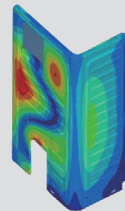


- Solar Power Kit
- Energy Saving



Low Noise Level

- Silent mode settings are optional.
- Night silent mode, silent mode, super silent mode
- Higher insulation right and rear sheet metal design.
- Thanks to its diamond-cut design, vibration and operating noise are significantly reduced.



Area Control

A maximum of 3 zones can be controlled simultaneously, or different temperature controls can be achieved in different zones.



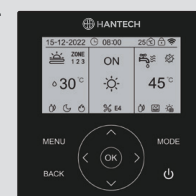
Area A 

Area B 

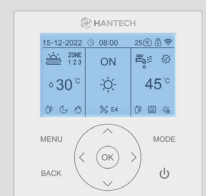
Area C 

Wired Remote Control

- Illuminated keypad and screen that allow you to control it in dark environments.
- Internet control and wifi access
- Multiple language options
- Parameters can be adjusted and fault queries can be performed.
- Daily and weekly schedules can be created and saved.
- Features a built-in room temperature sensor.



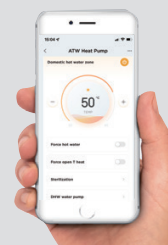
Standart



Optional

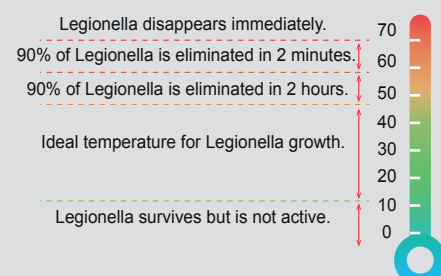
Control from the application

- Mode Settings
- Cascade Control
- Power consumption record
- Priority water usage mode
- Displaying unit status and fault information.
- Temperature setting, pump flow rate, timer setting, etc.



Antibacterial Mode

- It is designed to guarantee your safety and health.
- It works by heating the water to approximately 70 degrees.
- To eliminate Legionella bacteria, the device must be run in this mode once every 6 months.



MONOBLOC PRODUCT PARAMETERS

Model Name			HNT-IP 08CV2M4TC/S	HNT-IP 10CV2M4TC/S	HNT-IP 12CV2M4TC/S	HNT-IP 16CV2M4TC/S
Power Supply	V/Ph/Hz		220-240/1/50			
Heating A7W35	Capacity	kW	8.00	9.50	12.00	15.00
	Input Value	kW	1.60	2.07	2.50	3.40
	COP		5.00	4.60	4.80	4.41
Heating A7W45	Capacity	kW	8.00	9.50	12.00	15.00
	Input Value	kW	2.13	2.59	3.00	4.30
	COP		3.76	3.68	4.00	3.49
Heating A7W55	Capacity	kW	8.00	9.50	12.00	15.00
	Input Value	kW	2.50	3.06	3.76	5.20
	COP		3.20	3.10	3.19	2.88
Cooling A35W18	Capacity	kW	8.30	10.00	12.00	16.00
	Input Value	kW	1.66	2.17	2.65	4.20
	EER		5.00	4.60	4.53	3.81
Cooling A35W7	Capacity	kW	7.20	8.80	11.60	14.00
	Input Value	kW	2.18	2.84	3.85	5.20
	EER		3.30	3.10	3.01	2.69
SCOP ²	LWT at 35°C		5.33	4.83	4.75	4.53
	LWT at 55°C		3.88	3.85	3.78	3.68
Seasonal Energy Efficiency Class (In heating)	LWT at 35°C		A+++			
	LWT at 55°C		A+++		A++	
Electric Heater Power Input		kW	3			
Compressor	Tip		Twin Rotary DC Inverter			
Outdoor Fan	Engine Type		DC Fan Motor			
	Number of Fans		1			
Gas Expansion Valve			Electronic Expansion Valve			
Air Transfer	Type		Finned Tube			
Water Heat Exchanger	Type		License Plate Type			
Cooler	Type		R290			
	Refrigerant Quantity	kg	1.10	1.10	1.25	1.25
Sound Power Level ⁴		dB	60	61	64	68
Sound Pressure Level ⁵		dB	48	49	51	55
Net Dimensions (W×H×D)		mm	1293×860×523			
Packaging Dimensions (W×H×D)		mm	1395×996×550			
Net/Gross Weight		kg	104/125	104/125	117/138	117/138
Pipe Fittings			R5/4" - 32mm	R5/4" - 32mm	R5/4" - 32mm	R5/4" - 32mm
Working Range	Cooling	°C	-5~46			
	Heating	°C	-25~35			
	DHW	°C	-25~43			
Liquid Output	Cooling	°C	5~20			
	Heating	°C	25~80			
	DHW	°C	20~70			



Heating &
Cooling



Hot Water



Energy
Savings



Minimum
Volume



Step-by-Step
Control



3-Zone
Control



Disinfection
Mode



Easy Setup

Abbreviations:

DHW: Universal hot water
LWT: Outlet water temperature

Notes:

1. Relevant EU standards and regulations: EN 14511; EN 14825; EN 50564; EN 12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02.
2. Energy efficiency class tests for seasonal space heating under average climate conditions.
3. Sound power test condition: EN 12102-1.
4. The sound pressure level is the maximum value measured under the following two conditions: A7W35 and A35W18.



NOTES

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HANTECH İKLİMLENDİRME SAN. TİC. A.Ş.

Ziya Gökalp Mah. Süleyman Demirel Bulvarı
The Office No: 7-E/138 34490 Başakşehir-İST.
Telephone/Fax: +90 212 830 77 77

info@hantech.com.tr
www.hantech.com.tr



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