



# Delta Home



Operating Temps  
-7°C ~43°C



Max outlet water 60°C

- Smart Mode
- Powerful Mode
- Silent Mode

## DELTA HOME MONOBLOCK

All-in-one water heat pump is one of the most economical systems to heat the water for family usage-offering hot water in the bathroom and kitchen by using free renewable energy from the air. Its efficiency can be up to 3-4 times more than a conventional gas boiler or electrical heater.

### WASTE HEAT RECYCLING

The standard heat exchanger of the hot-water heat pump enables direct connection to a second heat generator, such as a solar heating system or boiler.

### AIR DEHUMIDIFICATION

Dehumidified air in the laundry room supports laundry drying and prevents moisture-induced damage.

### CIRCULATING COOLING

The room air is extracted from the storage room or a wine cellar, subsequently cooled and dehumidified in the heat pump, and finally re-introduced into the room. Recreation rooms, boiler rooms, or utility rooms are ideal installation sites.



### Schematic Diagram

- ① All in one heat pump
- ② Domestic water
- ③ Shower water
- ④ Washing water
- ⑤ Cold water inlet
- ⑥ Hot water outlet



Model	DHM150	DM200	DHM250	DHM300
Rated heating capacity (W)	1800	1800	2420	2420
Rated input power (W)	470	470	623	623
COP	3.83	3.83	3.88	3.88
Max. input power (W)	685W+2000W (Include E-heater)	685W+2000W (Include E-heater)	890W+2000W (Include E-heater)	890W+2000W (Include E-heater)
Max. input current (A)	12.2A	12.2A	13.4A	13.4A
Rated voltage (V/Ph/Hz)	220V/1Ph/50Hz			
Compressor	GMCC		Panasonic	
Refrigerant	R134A			
Rated output water quantity (L/H)	39	39	52	52
Rated out water temp. (°C)	55	55	55	55
Allowable working pressure on exhaust side	2.8	2.8	2.8	2.8
Allowable working pressure on suction side	0.75	0.75	0.75	0.75
Noise dB(A)	≤45	≤45	≤45	≤45
Electric shock protection category	I	I	I	I
Auxiliary	2000W	2000W	2000W	2000W
Ambient temperature range	-7~43C			
Water tank material	Enamel			
Water tank capacity (L)	150	200	250	300
Weight (Kg)	63	69	78	88
Dimension (MM)	φ570*1521	φ570*1803	φ640*1810	φ640*2015

Note:

Testing Conditions:

Ambient temp DB/WB 20 °C, heating water from 15 °C to 55 °C

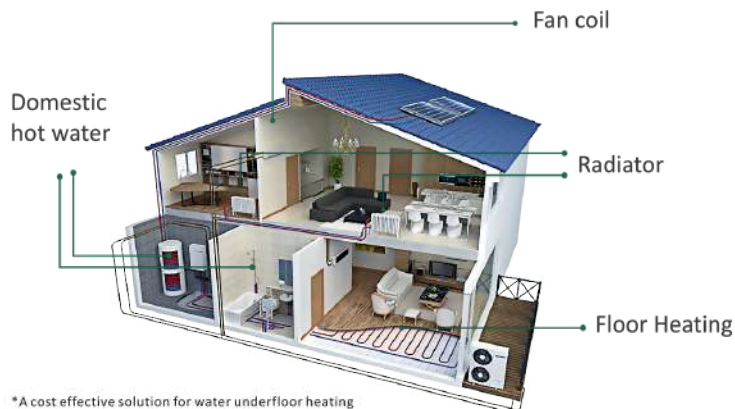
Note: The data above is for reference only.



## WIRE CONTROLLER

It can be installed anywhere in the house, and the multi-language function allows users to easily switch operating modes, set temperatures, view parameter tables, historical records, etc.

## HEAT PUMP APPLICATION SCENARIO



## DELTA HOME SPLIT

Product model	DHS10	DHS15	DHS20
Heating capacity (kW)	3.5	5.2	7.0
Input power (kW)	0.87	1.30	1.79
COP	4.02	4.09	3.91
Rated current (A)	4.00	5.93	8.17
Max input power (kW)	1.30	1.75	2.41
Max current (A)	6.0	8.0	11.0
Rated outlet water temp. (°C)	55	55	55
Highest outlet water temp. (°C)	60	60	60
Power supply	220V/1Ph/50Hz		
Anti-electric shock rate	I	I	I
IP Grade (Level of protection)	IPX4	IPX4	IPX4
Refrigerant	R410A		
Operation Ambient Temp. (°C)	-7~43		
Production capacity (L/h)	75	112	151
Water connection	DN20	DN20	DN20
Water circulation (m³/h)	0.60	0.86	1.20
Water pressure drop (kPa)	20	25	30
Noise (dB(A))	≤50	≤50	≤51
Net weight/Gross weight(kg)	48/56	52/60	60/70
Body size(W*H)	956*350*550	956*350*550	1006*350*600
Loading QTY(206P/40GP/40HQ)	90/192/192	90/192/192	90/192/192
Compressor type/QTY	Option for Panasonic Rotator or GMCC		
Condenser type	High efficiency tube in shell heat exchanger		
Defrosting	By Sanhua four-way valve		
Throttle device	Sanhua Electronic expansion valve		
Water pump brand	With built-in water pump, option for Wilo or Shingee		
Operating water temp. (°C)	9~60°C		

### Note:

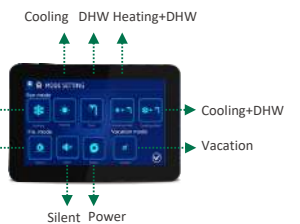
#### Testing Conditions:

Inlet/ Outlet water temp 15°C/55 °C, dry/wet bulb temp. 20 °C/ 15°C

Note: The data above is for reference only.



Customize timing and temperature operating mode



## OPERATION DATA MONITORING AND TROUBLESHOOTING

User, factory, system operating parameters and fault query functions can help users monitor the operating status of the unit and quickly troubleshoot faults, etc.

## ENERGY CONSUMPTION CURVE

Energy consumption data visualization, real-time monitoring and adjustment. Including temperature curve, operating power curve.