



ThermoPlus THD20i-1 High Temperature Water Heater

The ThermoPlus range of Heat Pump Water Heaters provide an energy efficient, low carbon means of extracting free heat from the ambient air for the purposes of heating and maintaining the potable hot water requirements for residential and commercial applications.

THERMOPLUS FEATURES

- Side discharge fan, makes installation easy
- Highly efficient titanium heat exchanger
- Digital display thermostat
- Quiet operation

TEMPERATURE CONTROL

- Accurate temperature control to 0.1°C
- Diagnostic digital display
- User friendly operation
- Quick and easy temperature adjustment
- Constant display of water temperature

IDEAL APPLICATIONS

- Underfloor Heating
- Commercial Hot Water (Potable)

ThermoPlus heat pumps are the ideal economical solution for water heating. High efficiency and quality components give ThermoPlus heat pumps an excellent cost to quality ratio.



Experience the best in heat pump
water heater technology

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HOT WATER HEAT PUMPS LTD

Advancing Water Heat Pump Technology

SINCE 1980

Technical Specifications

Performance	
Heating Condition – Ambient Temperature (DB/WB): 7/6°C, Water Temperature (In/Out): 30/35°C	
Heating Capacity Range (kW)	8.8~22.8
Heating Power Input Range (kW)	1.6~5.0
COP (W/W)	4.5~5.3
Hot Water Condition – Ambient Temperature (DB/WB): 20/15°C, Water Temperature (In/Out): 15/55°C	
Heating Capacity Range (kW)	10.6~26.2
Heating Power Input Range (kW)	2.0~5.8
COP (W/W)	4.5~5.3
Technical Data	
Operating Ambient Temperature (°C)	-25~43
Max Outlet Water Temperature (°C)	75
Sound Pressure (1m) (dB(A))	56
Water System Data	
Pipework Size (inch)	G1.25"
Water Flow (m³/h)	3.4
Water Pressure Drop (max) (kPa)	35
Circulation Pump Water Heat (m)	11.0
Electrical System Data	
Power Supply	220-240V/1/50Hz
Maximum Power Input (kW)	7.50
Maximum Current Input (A)	34.32
Fuse Rating (A)	40
Fan Motor	DC Motor
Circulation Pump	Stainless Steel Inverter Pump
Unit Dimension (L*W*H) (mm)	1175 x 505 x 1445
Shipping Dimensions (L*W*H) (mm)	1210 x 540 x 1570
Net Weight/Gross Weight (kg)	170/185

Why buy from Hot Water Heat Pumps Ltd

Back up and service: You can be assured of unprecedented after-sales service. We provide free telephone and email support on all products, for the life of the product, even if you're outside of the warranty period. With periodic maintenance, your Hot Water Heat Pumps Ltd's product will provide you with a lifetime of efficient hot water heating.

Warranty: All of our commercial heat pump pool heater models carry a comprehensive two year parts and labour warranty, including the compressor, evaporator coils, heat exchanger and refrigeration systems.



Safety first: Our heat pump water heaters are fitted with protection systems to prevent damage in the event of a malfunction. Such as a flow switch to ensure the heat pump cannot operate without water flow and other refrigeration safeties. If a problem is identified, the unit automatically shuts down before damage can occur.

Energy efficient: Government agency EECA (Energy Efficiency Conservation Authority) has listed heat pumps as one of the most energy efficient forms of heating in New Zealand.

Clean and green: As heat pumps use renewable energy (air), they are safer and cleaner to run than fossil fuel burners and can lower CO₂ emissions by up to 70% (compared to gas and diesel burners).