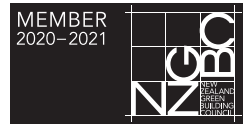




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RITTER
HOT WATER





HIGH TEMPERATURE HOT WATER HEAT PUMP

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RITTER HOTWATER

FEATURES

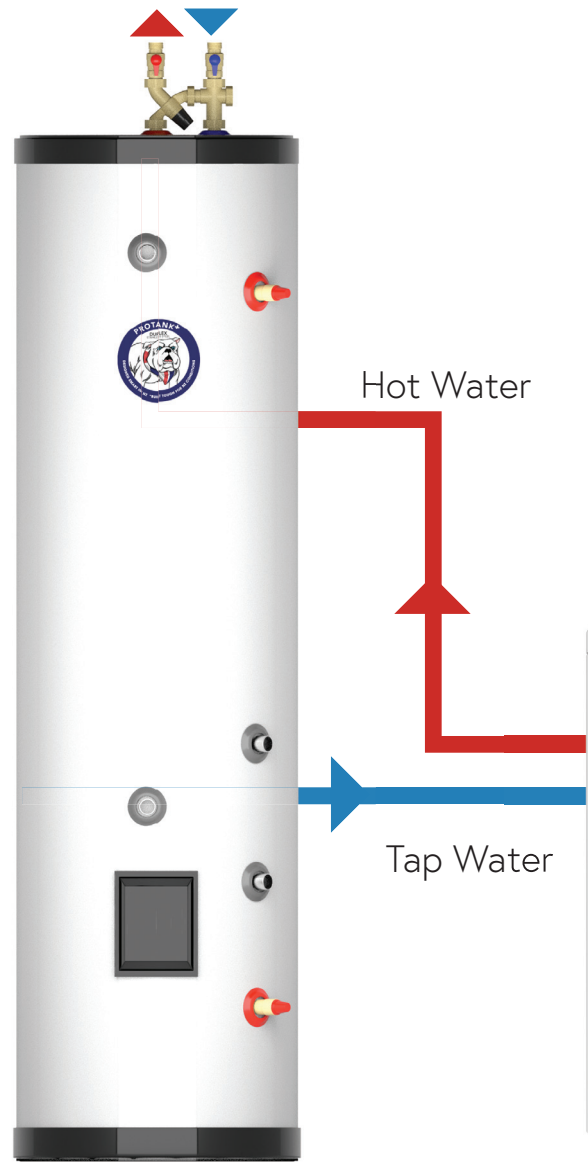
RITTER HOT WATER

CE, CB certified, R134a refrigerant, COP 4.6*

Ritter Hot Water is a reliable, safe, and energy-saving domestic hot water generator suitable for numerous applications within residential and light commercial industries.

APPLICATION

The Ritter direct hot water heat pump can connect to the Protank+, or any suitable domestic hot water cylinder with auxiliary ports, to provide high performance hot water production for showers and washing in residential applications, or light commercial requirements in restaurants, salons and even pre-heating of wash-down water on farms.



OPERATION RANGE

The Ritter Hot Water unit can maintain stable operation in a wide range of ambient temperatures from -7°C to 45°C, providing efficient operation all year long and in a wide range of geographical locations.

HIGH-TEMPERATURE HOT WATER SUPPLY

With up to 7.5kW of recovery power available, and 70°C hot water temperature, the Ritter unit kills all bacteria in the storage tank to ensure the health of your family without the need or cost of element boosting. The Ritter will heat the Protank+ 185L from cold to 60°C in less than 100 minutes (around half the time of a 3kW electric element and less than half the cost).



FEATURES

- Direct connection to any suitable HWC
- Up to 7.5kW and 161 litres per hour recovery rate.
- Hot water production up to 70°C.
- Efficiency up to 460% (Max COP 4.6)*.
- Mitsubishi compressor and Grundfos pump.
- Blue coated coils for high corrosion resistance.
- Composite case will not rust, peel, or fade.
- Includes touch screen controller for easy setup.
- Requires Ritter tank probe (not included with HP).

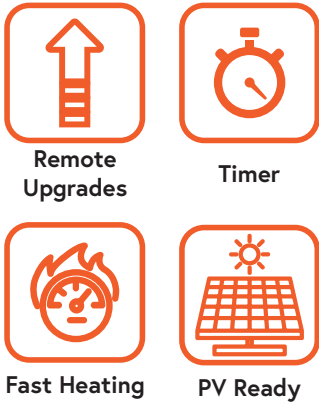


SYSTEM CONTROL

Ritter Hot Water has a self-developed PCB, that can operate the heat pump unit in combination with other heat sources via Modbus RS485 meanwhile support various wired displays include LCD, LED, color touch display with significant functions like Fast Heating, Timer, PV-Ready and Remote upgradation etc.

RELIABLE COMPONENTS

Ritter Hotwater uses high-efficiency DC motors. When working at a high ambient temperature, the DC motor can slow down the fan speed to reduce the evaporation and avoid overload of the compressor, which considerably saves energy. Additionally, the water pumps are from the global pump leader Grundfos. It's made of composite anti-corrosive material that has higher temperature resistance and longer service life.



Specifications

Model	HPRD7.5	
Hot Water Capacity	kW	7.5
Power Input	kW	1.63
COP*	WW	4.6
Hot Water Volume	L / h	161
Max. Power Input	kW	2
Max. Running Current	A	12
Water Flow Volume	m3/h	1.3
Water Pressure Drop	kPa	53
Power Supply	V/Ph/Hz	230V~/50Hz
Compressor Quantity	/	1
Compressor Brand	/	MITSUBISHI
Throttle Device	/	Electronic Expansion Valve
Fan Quantity	/	1
Water Pump Quantity	/	1
Water Pump Brand	/	Grundfos UPS015-60CIL2
Fan Motor Input	W	40
Water Connection	/	3/4 inch
Noise	dB(A)	53
Air Volume	m3/h	800-2000
Air Discharge Type	/	Horizontal
Max.Outlet Water Temp.	°C	70°C
Operation Range	°C	-7°C ~ 45°C
Condenser	/	Patented tube in Shell Heat Exchanger
Evaporator	/	Hydrophilic Aluminum Finned Heat Exchanger with Special Coating/Gold and Blue Color for Option
Defrosting	/	4-Way Valve
Controller	/	Mutil-function Controller
Display	/	LCD display (Display can be customized)
Refrigerant	/	R134a
Cabinet	/	Attractive Plastic Cabinets
Net Weight	Kg	66
Gross Weight	Kg	78
Net Dimensions(L/W/H)	mm	1000*405*585
Shipping Dimesions(L/W/H)	mm	1130*435*615

*COP @ A25/W35

*COP @ A25/W35