

RHP-2805

# PROTERRA SERIES

INTEGRATED AIR SOURCE WATER HEATER



## WIDE AMBIENT OPERATING RANGE (-7°C TO 43°C)

Excellent adaptability, capable of operating in a wide range of ambient settings, from -7°C to 43°C, to provide hot water regardless of temperature of external environment



## CLASS 1 ENERGY RATING, COP ≥ 4.2

Generates about 4.2kWh of energy to heat water with only 1kWh of electrical power. This helps to provide 4.2 times of savings as compared to conventional electrical water heaters



## LOW NOISE OPERATION

40dB, special sound-proof insulation to ensure quiet and silent operation, especially during night hours



## HIGH TEMPERATURE HEAT PUMP SYSTEM

Heats up to 70°C with only heat pump system without cutting in of heating element



## WI-FI REMOTE CONTROL

Smart wi-fi remote control and temperature monitoring through "Hi Rheem" Mobile App



## FAST HEATING



2800W heating capacity, ideal for residential and light commercial applications

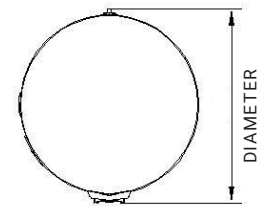
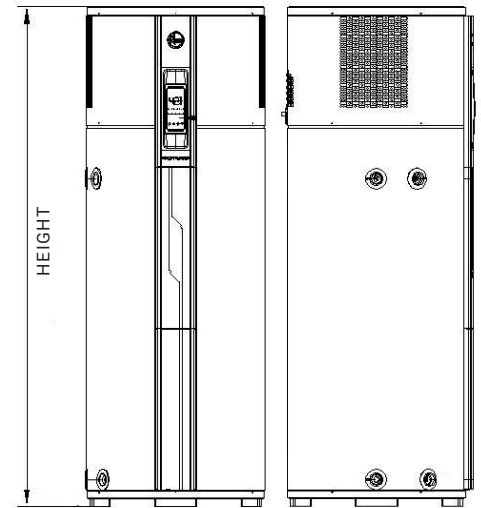


## MICROCHANNEL HIGH EFFICIENCY HEAT EXCHANGER

High pressure rating, large heat exchanger area and high heat transfer rate to improve the heat exchange efficiency of the heat pump system



HEAT PUMP MODEL		RHP180-2805	RHP280-2805
SAFETY MARK			
IMDA STANDARDS		Complies with IMDA Standards N1632-23	
POWER SUPPLY		220-240V~50Hz	
RATED HEAT PUMP HEATING CAPACITY (KW)*		2.8	
HEAT PUMP RATED INPUT*	POWER (KW)	0.666	
	CURRENT (AMPS)	3.0	
HEATING ELEMENT RATED INPUT	POWER (KW)	2.5/3.0@220V/240V	
	CURRENT (AMPS)	11.4/12.5@220V/240V	
MAXIMUM INPUT	POWER (KW)	4.0@240V	
	CURRENT (AMPS)	16.7@240V	
COP*		4.2	
WATER TEMPERATURE SETTING (°C)		35 ~ 75 (Preset 65)	
AMBIENT TEMPERATURE RANGE (°C)		-7 ~ 43	
IP RATING		IP24	
NOISE LEVEL (DB [A])		≤ 40	
REFRIGERANT TYPE		R134a	
TANK SIDE	HEAT EXCHANGER TYPE	Microchannel Outside the Tank	
	TANK CAPACITY (L)	180	280
	INLET/OUTLET/TPR VALVE/DRAIN VALVE CONNECTION	RP ¾" (DN20)	
	RATED PRESSURE (MPA)	0.85	
	MAXIMUM WATER INLET PRESSURE (MPA)	0.68	
AIR SIDE	HEAT EXCHANGER TYPE	Internal Thread Tube with Hydrophilic Aluminium Foil	
	AIR INLET/OUTLET	Side Intake/Exhaust	
OVERALL DIMENSION	DIAMETER (MM)	Ø525	Ø648
	HEIGHT (MM)	1810	1815
NET WEIGHT (KG)		96	120



#### NOTES

To ensure the efficient and normal operation of the device, pay attention to the following precautions:

- Do not install the water heater in operating environment below -7°C, so as not to affect the normal operation or damage the machine.
- The space around the water heater should facilitate the removal of the entire water heater for repair or replacement if necessary.
- Exposure to the rain or water spraying direct to the water heater should be minimized.

\*Rating Condition: Dry bulb temperature: 20°C, Wet bulb temperature: 15°C, Water heated from 15°C to 55°C.



RHEEM MANUFACTURING COMPANY (SINGAPORE) PTE LTD

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