



## WHY HEAT PUMP ?

Traditionally, solar water heaters have proven themselves to be the best renewable water heating alternative to gas and electric system. And while solar is still the most efficient way to heat water, heat pumps are in many cases a more practical solution, saving almost as much energy and green house gas emissions.

Heat Pumps provide the following advantages.

- Work day and night, as they don't rely on sunlight to operate.
- Are an easy, "same day" replacement water heater.
- Generate approximately the same savings all year round, independent of the weather.
- Fully frost protected.

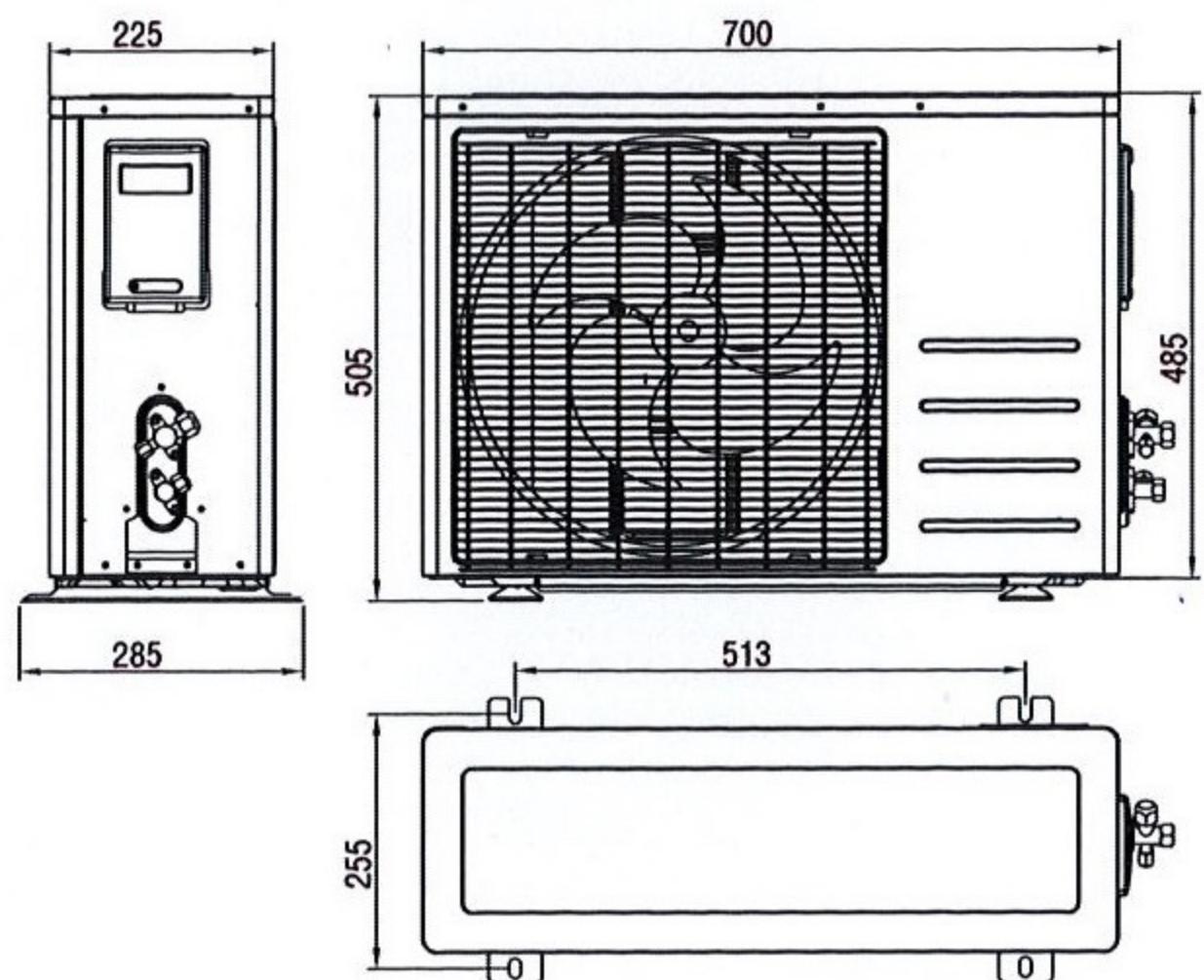


# SPECIFICATION

## RHP-25 SERIES HEAT PUMP WATER HEATER

MODEL	RHP-25				
Power Supply	220V ~ 50 Hz				
Rated HP Heating Capacity* (watts)	2590				
HP Heating Rated Input	<table border="1"> <tr> <td>Power (watts)</td><td>700</td></tr> <tr> <td>Current (amps)</td><td>3.2</td></tr> </table>	Power (watts)	700	Current (amps)	3.2
Power (watts)	700				
Current (amps)	3.2				
Maximum Input	<table border="1"> <tr> <td>Power (watts)</td><td>3300</td></tr> <tr> <td>Current (amps)</td><td>15</td></tr> </table>	Power (watts)	3300	Current (amps)	15
Power (watts)	3300				
Current (amps)	15				
Circuit Fuse - Model Number	5F3. 15 F3. 15L250V				
Circuit Fuse Parameters	3.15A/250V				
Nominal Water Temperature setting (°C)	55°C				
Refrigerant Charge Quantity (grams)	R134a / 860				
Electric Shock Resistance Level	Class I				
Protection Level	IPX4				
Noise Level (dBA)	≤ 48				
Ambient Temperature (°C)	-7~43				
Mass weight (Kg)	29				
Dimension L x M x H (mm)	700 x 225 x 505				

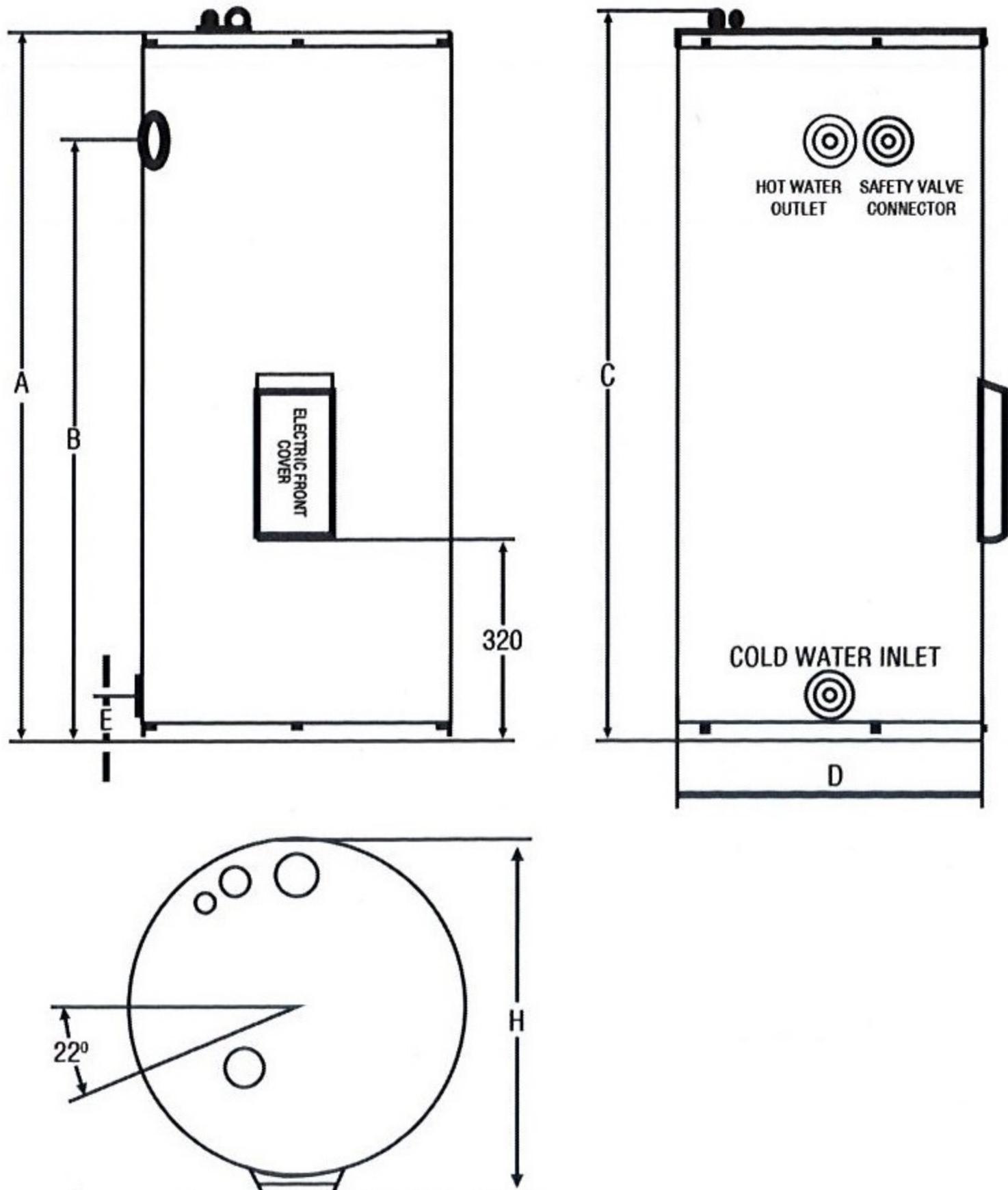
Heat Pump Unit



\*Rating condition: Dry bulb temperature: 20°C, Wet bulb Temperature: 15°C,  
Tank water inlet: 15°C, tank water outlet: 55°C.

MODEL	RHPXXX-05	
	150	200
Tank Capacity (L)	150	200
Electric Element (W)	2400	
Nominal Current (A)	11	
Power Supply	220V ~ 50Hz	
Thermostat Setting (°C)	65°C Max	
Net Weight (Kg)	55	67
Dimension (mm)	A	1374
	B	1200
	C	1405
	D	498
	E	70
	H	535
TPR Connection	RP 3/4" / DN20	
Inlet/Outlet Water Connections	RP 3/4" / DN20	
TPR Valve Rated Pressure (kPa)	850	
Maximum Water Supply Pressure (kPa)	680	

Water Tank Unit



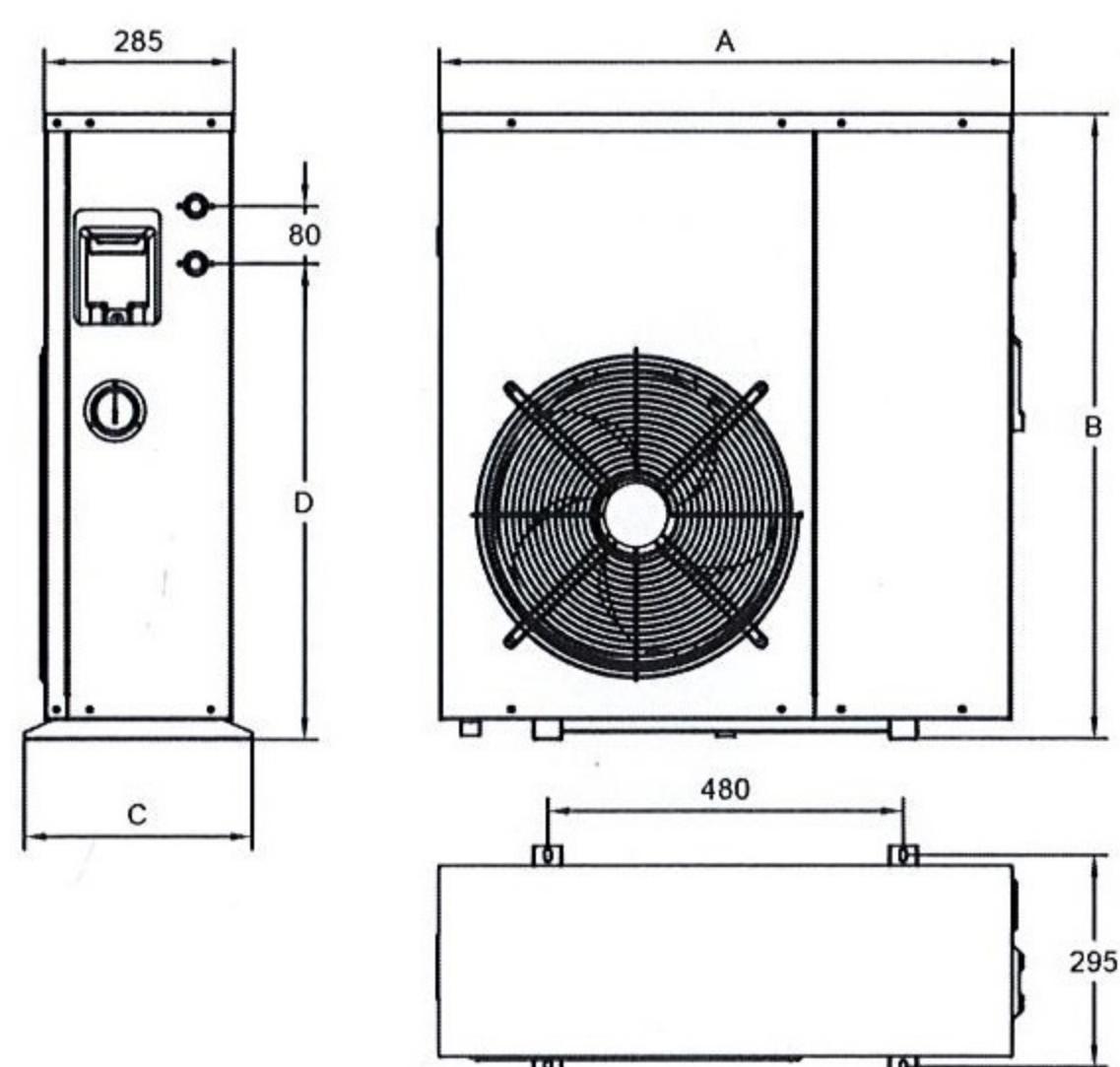
# SPECIFICATION

## RHP-50 SERIES HEAT PUMP WATER HEATER

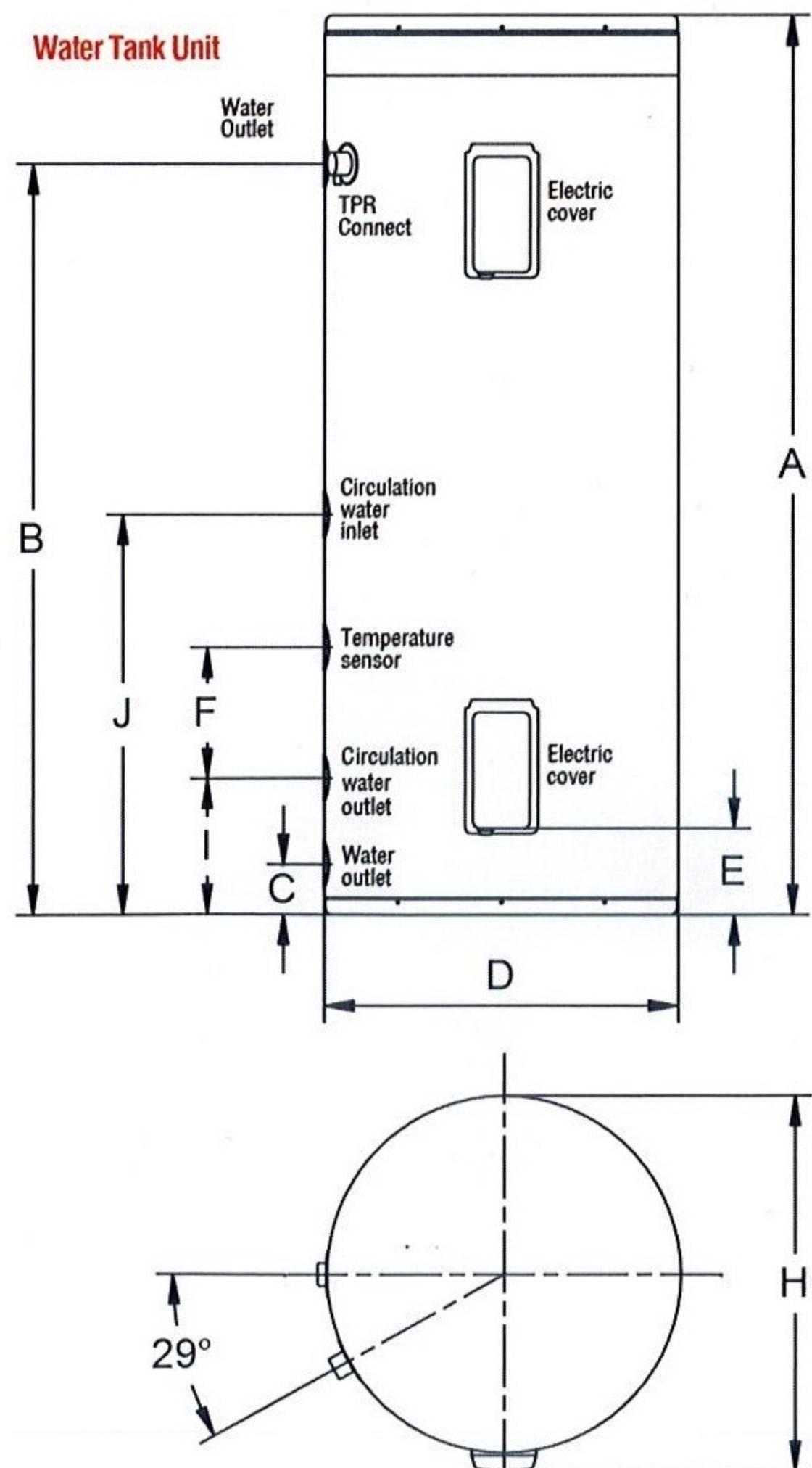
MODEL		RHP-50	
Power Supply		220V ~ 50 Hz	
Circuit Fuse - Model Number		30A 250VAC Fast-Acting Cartridge Fuse	
Circuit Fuse Parameters		32A/250V	
Rated HP Heating Capacity* (watts)		5000	
HP Heating Rated Input	Power (watts)	1280	
	Current (amps)	6.1	
Auxiliary Heating Input (In Tank)	Power (watts)	3600	
	Current (amps)	16.5	
Maximum Input	Power (watts)	5630	
	Current (amps)	26	
Nominal Water Temperature setting (°C)		50	
Max Water Temperature setting (°C)		60	
Suitable Ambient Temperature (°C)		-7~43	
Refrigerant Charge Quantity (grams)		R134a / 800	
Noise Level (dBA)		$\leq 48$	
Mass weight (Kg)		58	
Cold / Hot Water Connection		RP 3/4" / DN20	
Dimension (mm)	A	B	C
	850	820	320
Dimension (mm)	D		613

\*Rating condition: Dry bulb temperature: 20°C, Wet bulb Temperature: 15°C,  
Tank water inlet: 15°C, tank water outlet: 55°C.

### Heat Pump Unit



### Water Tank Unit



MODEL	RHPXXX-207			
	270	320	420	495
Tank Capacity (L)	270	320	420	495
Electric Element (W)		3600		
Nominal Current (A)		16.5		
Power Supply		220V ~ 50Hz		
Thermostat Setting (°C)		70°C Max		
Net Weight (Kg)	72	83	107	115
Dimension (mm)	A	1529	1759	1930
	B	1320	1550	1710
	C	70	70	70
	D	611	611	648
	E	144	144	144
	F	250	250	250
	H	644	644	682
	I	190	190	190
	J	800	800	800
TPR Connection	RP 3/4" / DN20			
Inlet/Outlet Water Connections	RP 3/4" / DN20			
Circulation Water Connections	RP 3/4" / DN20			
TPR Valve Rated Pressure (kPa)	850			
Maximum Water Supply Pressure (kPa)	680			

## SPECIFICATION

### RHP 1505 & 3805 HEAT PUMP WATER HEATER

MODEL	100	120	150	270	340						
Power Supply		220V~50Hz		220V~50Hz							
Circuit Fuse - Parameters		16A/250V		16A/250V							
Rated HP Heating Capacity* (watts)		1520		3250							
HP heating rated input	Power (watts)	400		900							
	Current (amps)	1.8		4.1							
Auxiliary heating input (in tank)	Power (watts)	2400		2400							
	Current (amps)	10.9		10.9							
Maximum Input	Power (watts)	2900		3800							
	Current (amps)	13.2		17.3							
Rated Hot water output (litres/hr)		33		70							
Water temperature setting (°C)		30~65 (Preset 55)		30~65 (Preset 55)							
Refrigerant quantity (Kg)		R134a (0.65kg)		R134a (1.35 Kg)							
Water Side	Heat exchanger type	Copper Pipe coiled outside the tank			Copper Pipe coiled outside the tank						
	Tank capacity (L)	100	120	150	270	340					
	Cold/ hot water connection	RP 3/4" / DN20			RP 3/4" / DN20						
	relief valve connection	RP 3/4" / DN20			RP 3/4" / DN20						
	Maximum Pressure (MPa)	0.85			0.85						
Air Side	Heat exchanger type	Female fitting hydrophilic aluminium foil			Female fitting hydrophilic aluminium foil						
	Air outlet	Side Exhaust			Side Exhaust						
	Diameter (mm)	ø 498			ø 648						
Storage Tank	Height (mm)	A 1310	B 785.5	A 1475	B 950.5	A 1200.5	B 1725	A 1151	B 1815	A 1461	B 2125
	Net weight (kg)	65		70		78		115		130	

\*Working conditions: Dry bulb temperature: 20°C, Wet bulb Temperature: 15°C,  
Tank water inlet: 15°C, tank water outlet: 55°C.



DEPENDABLE • HIGH PERFORMANCE • ENERGY EFFICIENT



Rheem Manufacturing Company (Singapore) Pte Ltd

8 Pandan Crescent, UE Tech Park #02-02 Singapore 128464

Tel (Sales) : (65) 6872 1161

Tel (Service) : (65) 6872 2043

Fax : (65) 6872 1151

Email : rheem@rheemmfg.com.sg

Website : http://www.rheemmfg.com.sg