



# QUANTUM WATER HEATERS—Your Best Hot Water Solution

QUANTUM HEAT PUMP PRODUCTS

## A.1 Domestic Models



**150-08ACW-134**   **150-08ACW-417**  
**270-AC3-134**   **270-11ACW-417**  
**340-AC3-134**   **340-11ACW-417**



**340TIH-134**  
**340-17ASW-417**



**340-17ACW-134**  
**340-17ACW-417**

## Advantages

- Patented heat pump technology, super efficient. Saves up to 75% of energy.
- Operates in a wide ambient range (from -10 to +40°C). No boosters needed.
- 60°C hot water, meets the international requirement on health and hygiene.
- No cross contamination potential. The patented heat exchanging technology rules out the possibility of cross contamination between the refrigerant and the water.
- Long life. Heat pump equipped with an integrated protection system. Very durable vitreous enamel lined steel tank.

WATER HEATER



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## A.1 Domestic Models

MODEL	150-08ACW-134	270-AC3-134 340-AC3-134	340TIH-134 340-17ACW-134	150-08ACW-417	270-11ACW-417 340-11ACW-417	340-17ASW-417 340-17ACW-417
Storage Size (litres)	150L	270L/340L	340L	150L	270L/340L	340L
Rated Size (litres)	125L	250L/315L	315L	125L	250L/315L	315L
Heat Output (1)	2.36kW	3.53kW	6.1kW	2.65kW	4.10kW	6.89kW
Power Input (1)	0.680 kW	0.986kW	1.681kW	0.83 kW	1.148kW	1.963kW
COP of Heating (1)	3.46	3.55	3.60	3.19	3.57	3.51
Water Temp Setting	60°C			60°C		
Max Water Temp Setting	70°C			65°C		
Compressor	16.5cc Rotary	23.1cc Rotary	39.0cc Rotary	16.5cc Rotary	23.1cc Rotary	39.0cc Rotary
Refrigerant	R134a			R134a		
Electrical Supply	220-240V/50Hz/1Ph			220-240V/50Hz/1Ph		
Circuit	10 Amps	15 Amps	15 Amps	10 Amps	15 Amps	15 Amps
Water Connections	3/4" BSP			3/4" BSP		
PTR Valve Setting	1000kPa			1000kPa		
Expansion Ctrl Valve (ECV) Setting	850kPa			850kPa		
Pressure Limiting Valve (without ECV fitted / with ECV fitted)	500 or 600kPa / 350 or 500kPa			500 or 600kPa / 350 or 500kPa		
Sound Level	50dBA	52dBA	58dBA	50dBA	52dBA	58dBA
Dimensions, (Height x Diameter)	1620x540 mm	1900x650mm 2200x650mm	2110x650mm 2300x650mm	1620x540 mm	1900x650mm 2200x650mm	2110x650mm 2300x650mm
Weight Empty	100kg	135/170kg	165+35(air box) kg180kg	100kg	135/170kg	165+35(air box) kg180kg
Ambient Air	-10 to +40°C			-10 to +40°C		
Ambient Air	Hot Water Production Rate, ltrs/hr (COP in brackets)			Hot Water Production Rate, ltrs/hr (COP in brackets)		
35 °C	76 LPH (5.03)	112 LPH (5.07)	199 LPH (5.31)	85 LPH (4.62)	125 LPH (4.93)	212 LPH (5.00)
30 °C	68 LPH (4.51)	100 LPH (4.60)	177 LPH (4.69)	77 LPH (4.15)	116 LPH (4.60)	196 LPH (4.51)
25 °C	60 LPH (3.98)	88 LPH (4.04)	154 LPH (4.09)	67 LPH (3.66)	100 LPH (4.07)	171 LPH (4.00)
20 °C	51 LPH (3.47)	75 LPH (3.53)	131 LPH (3.57)	57 LPH (3.19)	87 LPH (3.57)	148 LPH (3.51)
15 °C	42 LPH (2.93)	59 LPH (2.98)	109 LPH (3.03)	47 LPH (2.70)	74 LPH (3.15)	127 LPH (3.11)
10 °C	35 LPH (2.45)	48 LPH (2.49)	90 LPH (2.53)	39 LPH (2.25)	63 LPH (2.77)	106 LPH (2.70)
5 °C	28 LPH (1.99)	38 LPH (2.04)	73 LPH (2.09)	31 LPH (1.83)	52 LPH (2.40)	85 LPH (2.26)
0 °C	23 LPH (1.64)	31 LPH (1.69)	59 LPH (1.71)	25 LPH (1.51)	41 LPH (2.02)	72 LPH (2.03)
-5 °C	20 LPH (1.44)	26 LPH (1.48)	51 LPH (1.50)	22 LPH (1.33)	34 LPH (1.74)	59 LPH (1.77)
-10 °C	18 LPH (1.31)	24 LPH (1.31)	45 LPH (1.34)	20 LPH (1.21)	29 LPH (1.64)	54 LPH (1.68)

Note: (1) Rated at 20°C, 60% RH air and water heated from 20°C to 60°C.