

DOMESTIC SOLAR HOT WATER

QUANTUM HEAT PUMP

DOMESTIC COMPACT OUTDOOR MODELS



ENVIRONMENTALLY FRIENDLY
HOT WATER,
ON TAP DAY AND NIGHT



Quantum
HEAT PUMP | ELECTRIC | GAS

TECHNICAL SPECIFICATION

DOMESTIC COMPACT OUTDOOR MODELS

MODEL NUMBER	150-08AC6-290 Domestic 150 Litre	200-08AC6-290 Domestic 200 Litre	270-08AC6-290 Domestic 270 Litre	340-08AC6-290 Domestic 340 Litre
Storage Sizes (Litres)	150	200	270	340
Rated Size (Litres)	130	175	250	315
Heat Output (kW)	3.61	3.61	3.81	3.81
Power Input (kW) (1)	0.84	0.84	0.84	0.84
COP of Heating (1)	4.3	4.3	4.53	4.53
Water Temp Setting	58°C	58°C	58°C	58°C
Maximum Tank Temp Setting	60°C	60°C	60°C	60°C
Compressor	Rotary	Rotary	Rotary	Rotary
Refrigerant	R290	R290	R290	R290
Electrical Supply (1)	220-240V/50Hz/1Ph			
Circuit	10 Amps	10 Amps	10 Amps	10 Amps
Water Connections	3/4"BSP - 20mm			
PT R Valve Setting	1,000kPa			
Expansion Ctrl Valve (ECV) Setting	850kPa			
PLV (without ECV fitted / with ECV fitted)	500 - 600kPa / 350 - 500kPa			
Operating Sound Level at 1.5M	50dBA	50dBA	48dBA	48dBA
Dimensions (Height x Diameter)	1620mm x 540mm	1950mm x 540mm	1900mm x 650mm	2200mm x 650mm
Nett (Empty) Weight	100kg	115kg	135kg	170kg
Ambient Air Operating Temperature	-15°C to +40°C			
Installation	Outdoor			
Hot Water Production Rate L/hr (COP)	72 (4.30)	72 (4.30)	75 (4.53)	75 (4.53)

AMBIENT AIR	HOT WATER PRODUCTION RATE , LITRES PER HOUR (COP)			
35°C	110 (5.55)	110 (5.55)	113 (5.75)	113 (5.75)
30°C	98 (5.12)	98 (5.12)	102 (5.42)	102 (5.42)
25°C	85 (4.73)	85 (4.73)	89 (4.98)	89 (4.98)
20°C	72 (4.30)	72 (4.30)	75 (4.53)	75 (4.53)
15°C	58 (3.88)	58 (3.88)	61 (4.08)	61 (4.08)
10°C	48 (3.45)	48 (3.45)	51 (3.64)	51 (3.64)
5°C	38 (3.03)	38 (3.03)	42 (3.19)	42 (3.19)
0°C	31 (2.60)	31 (2.60)	33 (2.75)	33 (2.75)
-5°C	26 (2.18)	26 (2.18)	29 (2.30)	29 (2.30)
-10°C	24 (1.75)	24 (1.75)	26 (1.86)	26 (1.86)



Suitable for
Small
Households

Suitable for
Small to medium
Households

Suitable for
Average
Households

Suitable for
Large
Households

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

A Quantum heat pump saves you energy, money and reduces greenhouse gas emissions once installed, and the Federal Government provides financial incentives in the form of STCs for hot water heat pumps. In addition, some state and local governments provide other rebates. For more information please visit www.quantumenergy.com.au or call us on **1800 383 888**.

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