

DOMESTIC SOLAR HOT WATER

QUANTUM PLATINUM HYBRID HEAT PUMPS



ENVIRONMENTALLY FRIENDLY
HOT WATER,
ON TAP DAY AND NIGHT

Quantum
HEAT PUMP | ELECTRIC | GAS

TECHNICAL SPECIFICATION

PLATINUM HYBRID HEAT PUMPS

MODEL NUMBER	PHP 270 (270-08AS6-290) Domestic 270 Litre	PHP 340 (340-08AS6-290) Domestic 340 Litre
Storage Sizes (Litres)	270	340
Rated Size (Litres)	250	315
Heat Output (kW)	3.81	3.81
Power Input (kW)*	0.84	0.84
COP of Heating*	4.53	4.53
Emergency heating element**	3.6KW	
Water Temp Setting	58°C	58°C
Maximum Tank Temp Setting	60°C	60°C
Compressor	Rotary	Rotary
Refrigerant	R290	R290
Electrical Supply	220-240V/50Hz/1Ph	
Circuit	15 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	48dBA	48dBA
Dimensions Tank (Height x Diameter)	1425mm x 650mm	1735mm x 650mm
Dimensions Fan (Height x Width x Depth)	890mm x 605mm x 310mm	890mm x 605mm x 310mm
Nett (Empty) Weight (Tank + HP)	85Kg + 40Kg	110Kg + 40Kg
Ambient Air Operating Temperature	-15°C to +40°C	
Installation	Outdoor Only	
Hot Water Production Rate L/hr (COP)	75 (4.53)	75 (4.53)

AMBIENT AIR	HOT WATER PRODUCTION RATE , LITRES PER HOUR (COP)	
35°C	113 (5.75)	113 (5.75)
30°C	102 (5.42)	102 (5.42)
25°C	89 (4.98)	89 (4.98)
20°C	75 (4.53)	75 (4.53)
15°C	61 (4.08)	61 (4.08)
10°C	51 (3.64)	51 (3.64)
5°C	42 (3.19)	42 (3.19)
0°C	33 (2.75)	33 (2.75)
-5°C	29 (2.30)	29 (2.30)
-10°C	26 (1.86)	26 (1.86)

* Rated at ambient 20°C and 60% RH, water heated from 20°C to 60°C.

** Intervention required by authorised personnel to activate.

Suitable for
Average
Households

Suitable for
Large
Households



AS2712 LIC.2650
SAI GLOBAL



AS3498 WMKA25313
SAI GLOBAL

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.

For more information please visit www.quantumenergy.com.au or call us on 1800 383 888.

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