

SAVE UP TO
80%
ON YOUR HOT
WATER BILL*
*depending on
hot water usage

7
YEAR
WARRANTY



CO2 HOT WATER HEAT PUMP

Panasonic introduces CO2 Hot Water Heat pumps with industry-leading technology. Using CO2 (R744) as a refrigerant, this unit is able to be more environmentally friendly whilst providing significantly lower energy consumption.

Panasonic have sold over 2 million units in Japan since entering the Heat Pump Market over 20 years ago. You can rely on quality products, designed with experience built up over 20 years.

KEY FEATURES

GLOBAL WARMING POTENTIAL OF 1 – Energy efficient and the most environmentally friendly refrigerant in the market

6 OPERATIONAL MODES – Allows you to take control over your energy costs and consumption

FLEXIBILITY – Multiple Timer and Temperature Control ensures complete flexibility

DAILY SELF-LEGIONELLA CONTROL

WHISPER QUIET – 37dB

OPERATING RANGE – - 10 to + 44 °C



HEAT PUMP & CONTROLLER SPECIFICATIONS



Note: Images of heat pump & controller are not to scale & are for illustrative purposes only.

HEAT PUMP		MODEL HE-UM60AR
Heat output at 32.5°C ambient / 21.0°C cold water inlet	kW	5.06
Electric input at 32.5°C ambient / 21.0°C cold water inlet	kW	0.83
COP at 32.5°C ambient / 21.0°C cold water inlet	–	6.09
Power input (MAX)	kW	2.3
Current input (MAX)	A	10
Circuit breaker size	A	15
Standby power consumption	W	5.05
Power supply	V/Hz	230~240 Vac (power input is voltage x amps x power factor) / 50Hz (single phase)
Heat pump refrigerant	–	CO2 (R744)
Heat pump hot water delivery temperature	°C	63-67 Variable. Based on heat pump inlet temperature.
Range of operating ambient temperature	°C	-10 to 43
Heat pump unit weight	kg	46
Heat pump location	–	outdoor
Noise level	dB	37
Dimensions (H x W x D)	mm	672x799x299
Rain resistance	–	IPX4
Water port connections (Inlet / Outlet)	Inch/mm	1/2" BSP, 12.7mm
Built-in freeze and frost control	°C	Variable. Depends on the relative humidity, water, & ambient temperature (i.e. about 5°C water temperature & 5°C ambient temperature)

SMART CONTROLLER V1.1



Controller power supply voltage and frequency	V/Hz	240/50 (single phase)
Signal from the controller to heat pump	V/Hz	12/50
Controller location	–	Mounted on wall or tank
Heat pump on / off temperature (based on the thermistor on the tank)	°C	37/59
Daily Self-Legionella control	–	60°C at 45% level on tank
IP Rating	–	IP54
UV Rated	–	Yes
Operational mode (selectable by the end user)		
Option 1: 24 hours – Continuous		
Option 2: 9 hours (Off-Peak mode 1: 10pm – 7am)		
Option 3: 6 hours (Off-Peak mode 2: 12am – 6am)		
Option 4: 6 hours (10am – 4pm)		
Option 5: Timer (Two-Zones)		
Option 6: Remote (One Shot Boost)*		

6 available options

* One Shot Boost is activated by a dry contact signal from home management or dry contact smart switches

NOTE

One Shot Boost: This activates the heat pump if temperature is less than 59°C, heating up until the sensor achieves 59°C.

Available in 160L, 250L, 315l and 400L Enamel Glass Tank options. Stainless Steel available upon request.