



7
YEAR
HEAT PUMP
WARRANTY



7
YEAR
CONTROLLER
WARRANTY



HEAT PUMP & CONTROLLER V1.1 SPECIFICATIONS

SYSTEM MODEL NUMBERS USING PANASONIC HEAT PUMP

REHP-KY-C02-160GL	REHP-KY-C02-315SSQ
REHP-KY-C02-160SST	REHP-KY-C02-315SST
REHP-KY-C02-250GL	REHP-KY-C02-400GL
REHP-KY-C02-250SST	REHP-KY-C02-400SST
REHP-KY-C02-315GL	



RECLAIM
ENERGY



HEAT PUMP & CONTROLLER SPECIFICATIONS

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) / 50 Hz (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)

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

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 PV inverters or dry contact smart switches

NOTE

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



CERTIFICATIONS: The product has been certified/tested successfully under the following Australian standards: • AS 5125.1, AS 4020 • AS 3498 • AS 2712 • AS 60335.1 • AS 60335.2.40

