

Ecodan 4kW Monobloc Air Source Heat Pump with Thermal Store

QUHZ-W40VA / EHPT20Q-VM2EA

The Ecodan QUHZ system combines a 4kW outdoor unit with a 200 litre Thermal Store and is the ideal plug and play heating and hot water solution for properties with a low space heating requirement.

With very low market leading noise levels for its class and highly efficient hot water generation due to its unique CO₂ (R744) system design, this compact space saving product is capable of providing instantaneous hot water and removes the risk of legionella.



Solution Key Features

- Self contained system, only requires water connections and can be powered via the Thermal Store
- No need for gas supply, flues or ventilation
- Low maintenance and very quiet operation
- Operates with outside temperatures as low as -15°C
- Optimised low ambient defrost control and operation
- Capable of being used in domestic hot water generation mode only
- MELCloud Wi-Fi connectivity and energy monitoring as standard

Outdoor Unit Key Technical Features

- Dimensions HxWxD (mm): 715 x 809 x 300*1
- Sound Pressure Level at 1m: 43 dBA
- ErP: A+ (55°C)
- Powered via Indoor Unit (20A breaker)
- Recommended pipe size: 15mm
- Nominal flow rate: 6L/min

SYSTEM PRICE		INDOOR UNIT			Price (£)
Ref Code	Description	Dimensions (H x W x D)	Breaker (A)*2	Pipe Size (mm)*3	
293998	4kW R744 1PH Mono ASHP Low GWP & 200L Thermal Store Cylinder Pkg	1600 x 595 x 680	20	22	4,100

INCLUDED COMPONENTS		
Type	Description	Thermal Store
Electrical	Wifi Ready System Controller	●
	Wifi Interface	●
	Thermal Store Upper & Lower Water Temperature Thermistor	●
	Flow & Return Water Temperature Thermistor	●
	Flow Water Temperature Thermistor	●
	DHW Supply Temperature Thermistor	●
Mechanical	Magnetic Filter	●
	Insulated Flexible Connection Pipes	●
	Flow Sensor (x3)	●
	Heating Circulating Pump	●
	Thermal Store Circulating Pump	●
	3-Way Motorised Diverter Valve	●
	Primary Expansion Vessel	●
	DHW Plate Heat Exchanger	●
	Primary System Pressure Gauge	●
	Filling Loop	●
	Automatic Air-Vent	●
	Drain Valve	●
	Strainer Valve	●
	Primary Pressure Relief Valve	●
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*1 exc. grille or pipe cover. *2 Recommended breaker rating for indoor unit. *3 Indoor unit flow & return pipe size.