

Ecodan 14kW 3Ph Monobloc Air Source Heat Pump

PUZ-HWM140YHA(-BS)



Solution Key Features

- Self-contained unit, only requiring water & electric connections
- No need for gas supply, flues or ventilation
- Low maintenance and quiet operation
- Operates with outside temperatures as low as -28°C
- Maintains rated heating capacity down to -15°C
- Simple grid connection as classified as Connect & Notify¹
- Hybrid function, for use with conventional boilers
- MELCloud Wi-Fi connectivity and energy monitoring as standard
- Multiple unit cascade function
- Optimised low ambient defrost control and operation

Outdoor Unit Key Technical Features

- Dimensions HxWxD (mm): 1350 x 1020 x 330²
- Sound Pressure Level at 1m: 53 dBA
- ErP: A+++ (35°C)
- Breaker: Three Phase 400VAC, 16A
- Recommended pipe size: 28mm
- Nominal flow rate: 40L/min

SYSTEM PRICE		INDOOR UNIT			Price (£) ³
Ref Code ^{*2}	Description	Dimensions (H x W x D)	Breaker (A) ^{*4}	Pipe Size (mm) ⁵	
Standalone					
499866 (499867)	14kW R32 3Ph Mono ASHP Zbdn Standalone Pkg	422 x 393 x 87	Via ODU or 16	-	5,784 (6,021)
499289 (499290)	14kW R32 3Ph Mono ASHP Zbdn & FTC2BR Flow Temperature Controller Pkg	278 x 336 x 69	Via ODU or 16	-	5,508 (5,745)
Packaged					
499868 (499869)	14kW R32 3Ph Mono ASHP Zbdn & 200L Packaged Cylinder Pkg	1600 x 595 x 680	10 & 16	28 / 22	8,185 (8,422)
Pre-Plumbed					
613641 (613642)	14kW R32 3Ph Mono ASHP Zbdn & 210L Pre-Plumbed Large Std Cylinder Pkg	1509 x 748 x 755	16 & 16	28 / 22	7,785 (8,022)
613643 (613644)	14kW R32 3Ph Mono ASHP Zbdn & 250L Pre-Plumbed Large Std Cylinder Pkg	1761 x 748 x 755	16 & 16	28 / 22	7,926 (8,163)
613645 (613646)	14kW R32 3Ph Mono ASHP Zbdn & 300L Pre-Plumbed Large Std Cylinder Pkg	2075 x 748 x 755	16 & 16	28 / 22	8,139 (8,376)
Versatile					
685645 (685646)	14kW R32 3Ph Mono ASHP Zbdn & 180L Versatile Slimline Cylinder Pkg	1712 x 475+0.2 ⁶ x 569.5	16 & 16	22 / 22	7,396 (7,633)
685647 (685648)	14kW R32 3Ph Mono ASHP Zbdn & 210L Versatile Slimline Cylinder Pkg	2025 x 475+0.2 ⁶ x 569.5	16 & 16	22 / 22	7,453 (7,690)
685649 (685650)	14kW R32 3Ph Mono ASHP Zbdn & 210L Versatile Std Cylinder Pkg	1495 x 550 x 651	16 & 16	22 / 22	7,359 (7,596)
685651 (685652)	14kW R32 3Ph Mono ASHP Zbdn & 250L Versatile Std Cylinder Pkg	1745 x 550 x 651	16 & 16	22 / 22	7,470 (7,707)
685653 (685654)	14kW R32 3Ph Mono ASHP Zbdn & 300L Versatile Std Cylinder Pkg	2058 x 550 x 651	16 & 16	22 / 22	7,637 (7,874)

INCLUDED COMPONENTS						
Type	Description	Packaged	Pre-plumbed	Versatile	Standalone FTC6	Standalone for BEMS
Electrical	Immersion Heater	●	●	●		
	Wi-Fi Interface	●	●	●	●	
	Flow & Return Water Temperature Thermistor	●	●	●	●	●
	Flow Temperature Controller	●	●	●	●	
	DHW Upper & Lower Water Temperature Thermistor	●	●	●	●	
	DHW Water Temperature Thermistor	●	●	●	●	●
	BEMS System Controller		●			●
Mechanical	Plate Heat Exchanger	●	●			
	Coil Heat Exchanger			●		
	Primary Circulating Pump, DHW Circulating Pump	●	●			
	Heating Circulating Pump, Low Loss Header		●			
	3-way Motorised Diverter Valve	●	●	●		
	Scale Trap	●	●	●		
	Primary System Pressure Gauge, Automatic Air-Vent, Filling Loop, Drain Valve	●	●			
	DHW Drain Valve	●	●	●		
	G3 compliance kit (DHW Expansion Vessel, Pressure Reducing Valve, Temperature / Pressure Relief Valve, Expansion Relief Valve, Tundish, Strainer & Check Valve)	●	●	●		
	Magnetic Filter, Insulated Flexible Connection Pipes, Flow Sensor	●	●	●	●	●

*1 ENA database reference: HP_0613. *2 exc. grille. *3 Coastal outdoor unit reference code & price in brackets. *4 Recommended breaker rating for indoor unit & Immersion heater. *5 Indoor unit flow & return pipe size (Heating/DHW). *6 Temperature and Pressure Relief Valve.