

Edel Hot Water Heat Pump



Product Description

The Edel range of heat pump cylinders comes in two sizes, 200L and 270L. The inner vessel is made from Stainless Steel with a Hot Water Heat Pump mounted on top. The heat pump can produce hot water very efficiently as it extracts heat from **external air supplied via insulated ductwork**, which is available as an accessory. Due to the high efficiencies, the cylinder reduces the Dwelling emissions in SAP making it possible to pass using electric space heating and the Edel cylinder.

Key Features

- The Edel heat pump consumes 5 times less electricity than standard electric water heaters
- Helps to pass Part L building of the regulations whilst specifying electric heating
- Compact unit with 630mm diameter with options of 200L or 270L storage
- Stainless steel tank with 5 year UK guarantee and no requirement for sacrificial anode
- Very quiet operation due to sound proof hood, variable speed fan and a high performance rotary compressor mounted on anti-vibration pads
- Patented high performance heat exchanger and defrost mode of operation in UK climates

Technical Details

<i>Heat Pump Performance</i>		<i>Edel 200 UK</i>	<i>Edel 270 UK</i>
Model Code		EDL200UK-630	EDL270UK-630
Nominal Volume	L	200	270
Air Operating Range	°C	-7 to +35	
Achievable Hot Water Temperature Via Heat Pump	°C	60	
Max. Electrical Power Input (Heat Pump AND Immersion)	W	700 + 1200 = 1900	
Max. Thermal Power Output From Heat Pump ONLY At 45°C	W	1300	
Max. Power Output From Heat Pump AND Immersion At 45°C	W	1300 + 1200 = 2500	
Air Flow	m ³ /hr	320 to 400	
Sound Pressure Level At 2m	dB(A)	37 (Speed 1) / 40 (Speed 2)	
Refrigerant	/kg	R290/ 0.15	
Standing Heat Loss	kWh/24hr	1.61	1.77
Air Ducting Method		Separate inlet & outlet to exterior	
Heating Time From Cold (10°C)		7h15	9h48
Coefficient Of Performance		3.36	3.30
<i>Dimensions and Connections</i>			
Dimensions	mm	630 x H 1460	630 x H 1780
Weight With Packaging	kg	70	79
Weight Without Packaging	kg	56.5	63
Air Duct Diameter	mm	160	
Max. Ducting Pressure Drop		260Pa at minimum air flow rate of 320m ³ /hr	
Water Connections	Inch	M 3/4"	
Condensate Tube	mm	18/24	
Electrical Supply		230V - 50Hz- 8A	
IP Rating		IPX4	
RCBO/MCB Type C	Amp	16	
<i>Hot Water Cylinder</i>			
Material		Stainless steel	
Insulation		45mm PU foam with PVC outer	
Refrigeration Heat Exchanger		Double walled separation from potable water	
Maximum Operating Pressure	bar	6	
Max. Condensate Production	L/h	0.3	
Integrated Electric Immersion	W	1200	
Max. Temperature with Immersion	°C	65	
<i>Approvals</i>			
Water Regulations		G3 KIWA approval to EN12897	
T&P Valve		Factory fitted	
Accessories		Inlet group, tundish expansion vessel	
Guarantee (UK)		5 years tank (2 years other parts)	