

EDEL 170RF HOT WATER HEAT PUMP



A+



SUPPORT TRIPOD INCLUDED

PRODUCT DESCRIPTION

The Edel EDL170-520RF is a compact hot water heat pump cylinder, measuring only Ø520mm and with a 170L storage capacity it is an ideal water heating solution for apartments and smaller dwellings. An integral heat pump mounted on top of the stainless steel cylinder extracts heat from an external air which is supplied via insulated ductwork, to produce hot water very efficiently. All Edel heat pump cylinders feature RF connectivity, enabling them to be conveniently controlled remotely when connected to a DimplexHub.

KEY FEATURES

- Consumes five times less electricity than standard electric water heated cylinders for up to 80% hot water energy saving
- Helps to achieve Part L Building Regulations by reducing dwelling emissions in SAP, making it possible to pass using electric space heating and a heat pump cylinder
- Compact Ø520mm cylinder with 170L hot water capacity
- Fully time and temperature programmable with boost, holiday and anti-legionella functions
- Internet-connected smartphone app connectivity
- Stainless steel tank with 5 year guarantee, no sacrificial anode requirement
- Very quiet in operation due to soundproof hood housing, variable speed fan and rotary compressor anti-vibration mounting pads
- Patented high performance heat exchanger with defrost mode operation in UK climates
- The heat pump cylinder is supplied with an adjustable cylinder support tripod and an unvented safety kit
- A 1 metre ducting installation kit is required (Part No. 500001044)
- 2 metre extension ducting kits are also available for longer ducted installations up to a maximum of 5 metres (Part No. 500001493)

INTERNET CONNECTIVITY

App platform	Dimplex Control
Connectivity method	RF 868Mhz (Included)
Additional hardware	Requires 1 x 'DimplexHub'



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TECHNICAL DETAILS

HEAT PUMP PERFORMANCE		
Model code		EDL170-520RF (with safety kit)
Item No.		500001099
EAN/Bar code		5053285138727
Nominal volume	L	170
Air operating range	°C	-7 to +35
Achievable hot water temperature via heat pump	°C	30 to 55
Max. electrical power input (heat pump & immersion)	W	350 + 1200 = 1550
Max. thermal power output (heat pump ONLY)	W	1170
Max. power output (heat pump & immersion) at 45°C	W	1170 + 1200 = 2370
Air flow rate range	m ³ /h	90 to 140
Sound pressure level at 1m	dB(A)	36
Refrigerant Type / Quantity	/kg	R290 / 0.1
Standing heat loss	kWh/24h	1.92
Air ducting method		Concentric Duct
Heat up from cold (10°C)		10hr 24mins
Coefficient of performance		2.85
DIMENSIONS & CONNECTIONS		
Appliance + (Adjustable Tripod)	mm	Ø520 x 1760 high + (300 to 556)
Weight with/without packaging	kg	64 / 58
Weight when filled	kg	228
Air duct diameter	mm	80/125
Max. ducting pressure drop		90Pa at 90m ³ /h
Water connections	Inch	M 3/4"
Condensate tube	mm	Ø18/24 x 1500 long
Electrical supply		230V 50Hz
IP rating		IPX4
RCBO/MCB type C	Amp	16
HOT WATER CYLINDER		
Material		Stainless steel
Insulation		50mm PU foam with PVC outer
Refrigeration heat exchanger		Double walled separation from potable water
Max. operating pressure	Bar/Mpa	6 / 0.6
Max. condensate production	L/h	0.3
Integrated immersion heater	W	1200
Immersion heater material		Titanium
Max. temp. with Imm./Heater	°C	65
APPROVALS		
Water regulations		G3 KIWA approval to EN12897
T&P valve		Factory fitted
Installation Components Included		Inlet group, tundish, expansion vessel
Guarantee (UK)		5 years tank (2 years other parts)
DUCTING INSTALLATION ACCESSORIES REQUIRED		
Part No. 500001044 (EAN: 5053285137829)	EDL170 Vent Kit (suitable for 1 metre termination to exterior) Comprises: 1 metre Ø125mm thermal and internal Ø80mm ducting with all components to link to the external intake/vent safety grille	
Part No. 500001493 (EAN: 501139083951)	EDL170 Vent Extension Kit Comprises: 2 metre Ø125mm thermal and internal Ø80mm ducting with all components to extend the installation	