

ED 100P/180P Series Domestic Hot Water Heat Pump

The new **eco-conscious** generation of DHW heat pump.

Our innovative ECO Fresh 100P/180P is the most economical, ecological and smart way to produce hot water for your home.

Save up to 75% on your yearly energy consumption at the highest degree in comfort.

This new generation of heat pump uses R290 (Propane) as refrigerant, which is not only friendly to the environment - as compared to conventional refrigerants - but we also made it extremely efficient. Together with our innovative 4th generation insulation for the storage tank, the 100P/180P series is the most efficient and ecological solution on the market to date and already today complies with the legal requirements of tomorrow.



Features ED 100P/180P

The ED Fresh 100P/180p series is designed for functionality and for a long lifespan:

- **Stainless-Steel Storage Tank** (Grade 444) requires virtually no maintenance.
- **Premium Internal Glass Coating**
- **4th Gen High-Performance CFC-Free Insulation.**
- **Standby Heat loss** only 6W.
- Certified HP Efficiency - **COP 3.05 / 3.2.**
- Nominal Pressure: 10 bar (tested at 13 bar).
- **Very Silent Operation** (Perception Optimized).
- **3 Installation Modes:** Ambient Air, External Air, Extracted Air.
- **Permanent Protection** against **Corrosion:** thanks to a generously dimensioned anode (Magnesium with automatic wear indicator).
- The **extended operating range** (incoming air temperature) from -10°C to +35°C guarantees full year functioning for all operating modes.
- **Sophisticated Electronic Control Unit.**
- **Useful Functions:** BOOST, TIMER, HOLIDAY, LEGIONELLA PROTECTION, ADJUSTABLE FROST PROTECTION.
- **Automatic Hot Gas De-icing** Function – increases efficiency.
- **CAF:** continuous air flow, a function, which operates the fan independently of the heat pump for controlled ventilation.
- **Easy handling** for the user; large 2-line display, plain text, intuitive one button operation.
- **Smart Grid Interface:** Make most of your photovoltaic power and/or multi-tariff counters. The only control with 3 distinct energy levels and adjustable savings potential.
- **Plug n' Play, Fast and Easy Installation** (extremely installer friendly)



hängende Montage möglich

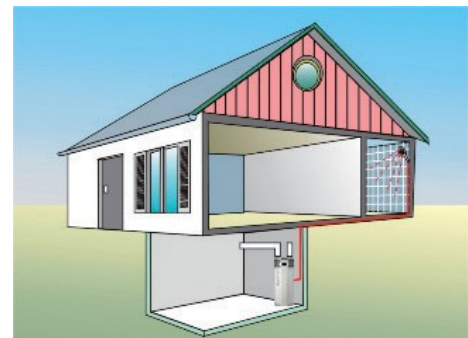
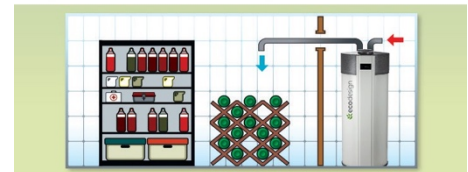
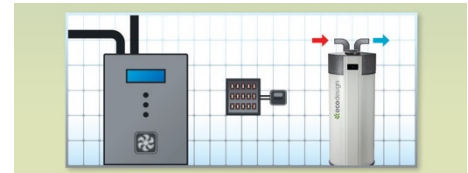
Technical Specifications

Model	ED 100 P	ED 180 P
Performance indicators according to EN16147:2017		
COP (L20/W10 – 55)* - ambient air - tap profile XL	3.05	3.2
Tapping profile	M	L
Energy Efficiency Class (average climate zone)	A+	
Energy efficiency index	128%%	129%
Standby power	6 W	
DHW production performance V40	165 l	217 l
Sound power level	59 dB(A) not ducted	
(acc. EN 12102 and EN ISO 9614-2)	48 dB(A) ducted	
Heat pump		
Thermal power (Compressor)	1,0 kW	
Max. thermal power	3,0 kW	
Air flow min./max.	100 - 250 m ³ /h	
Kältemittel R290	140 g	150 g
GWP Global Warming Potential	3	
Operation parameters		
DHW temperature range	5°C to +62°C	
Max. storage tank temperature	65°C	
Operation temperature range (air inlet)	-10°C to +35°C	
Dimensions		
Height	1176 mm	1576 mm
Width	540 mm	
Depth	575 mm	
Net weight	56 kg	70 kg
Electrical data		
Voltage/frequency	230 V/50 Hz	
Fuse	13 A	
Protection index	IP 21	
Power input compressor	0,344 kW	
Power auxiliary heating	2,0 kW	
Storage tank		
Material	Stainless steel quality 444	
Volume	94 l	166 l
Test-/nptimal pressure	1,3 MPa = 13bar / 1,0 MPa = 10 bar	
Connector dimensions		
Cold water	R 3/4"	
DHW	R 3/4"	
Condensate discharge	R 1/2"	
Air ducts	160 mm	

* WPZ certificate # B-119-17-03, Version 2 / acc. EN16147:2017 / not ducted

*** according to ASHRAE

A+



Transport and Installation

- The very compact design allows the ED 100P/180P to be installed in virtually any space.
- The ED 100P/180P can be wall mounted, if desired.
- Your ED 100P/180P is Plug n' Play. The pre-configured settings ensure that your heat pump is operational out of the box.

