

Heat pump for domestic hot water

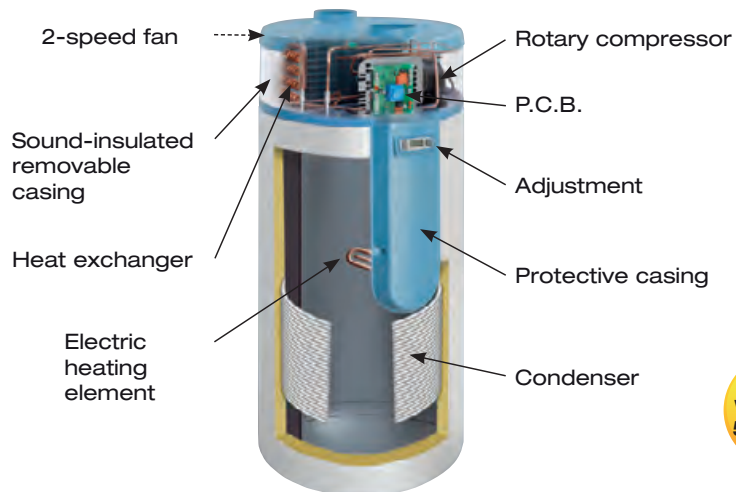


Heat pump for
domestic hot water

LIBERTY 300 - 300S



Liberty 300



TANK
WARRANTY
5 YEARS

WARRANTY
for other parts
2 YEARS

- **Thermodynamic water heater with integrated heat pump.**
- **Excellent COP: 3,7**
- **Cylinder capacity: 300 litres**
- **Max. temperature of hot water generated in Heating mode: 60°C**
- **Operation from - 5°C to + 35°C in thermodynamic mode (heat pump)**
- **Adjustable feet**



Benefits

- **Refrigerant fluid R 134 A**
- **COP: 3,7**
- **Low noise level: 36 dBA**
- **Limited height: 1,570 mm**
- **Quality components:**
 - Horizontal rotary compressor with sound insulation
 - High-efficiency heat exchanger
 - 2-speed pressure fan available
 - Knock-resistant coating
 - Electronic regulation is intuitive and simple (for users and assistance personnel alike)
 - Thermostatic regulator
 - Defrosting solenoid valve with hot gas
 - High-pressure switch
 - Temperature sensor for control and regulation
 - Integrated electric heating element with safety thermostat
 - Dryer filter
 - Protective anode.
- **Enamelled steel tank**
- **Rustproof magnesium anode**
- **Other advantages:**
 - Appliance can be ducted to recover heat from the air outdoors, up to 10 m of ducting can be used (flow and return)
- **Regulation operating mode:**
 - "Eco" mode (Thermodynamic heating),
 - Turbo mode (forces the heating element for faster thermodynamic heating + heating element),
 - Day/Night hourly programming,
 - Holiday programming,
 - Load disconnection,
 - Dry contact for fan control (e.g. hygrostat),
 - Anti-Legionella cycle can be programmed.
- **Complementary 1.5 kW electric module functions:**
 - It begins operating to guarantee a minimum DHW temperature between 38°C and 43°C
 - It begins operating when the outdoor temperature is outside the operating interval,
 - It begins operating in the event of a malfunction,
 - It begins operating when the user selects Turbo mode.
- The appliance is easy to transport and to install because it is not very tall
- Adjustable feet
- Pipe accessories

MODEL	LIBERTY 300	LIBERTY 300S
Code	ECS300T5Z	ECS300SOLT5Z
Volume	litres	300
D.H.W. temperature		between 15 and 60°C
Sound pressure at 2 m	dBA	36
Average heat pump power at 60°C*	kW	1,65
Average heat pump consumption at 60°C*	kW	0,67
COP		3,7
Air flow rate - Speed 1/Speed 2	m ³ /h	300 / 450
Compressor		rotary
Refrigerant fluid		R 134 A
Armoured electric heating element	kW	1,5
Protection		16 A differential 30 mA
Max. length of Flow / Return pipes	m	10
Pipe connection diameter	mm	160
Condensate connection diameter	mm	12/16
Mains water connection diameter	inches	M 3/4
Quantity of mixed water (l/1st hour)	litres	440
Diameter	mm	700
Height (without pipes)	mm	1.570
Weight when empty	kg	107

* in compliance with standard EN355-3

Accessories

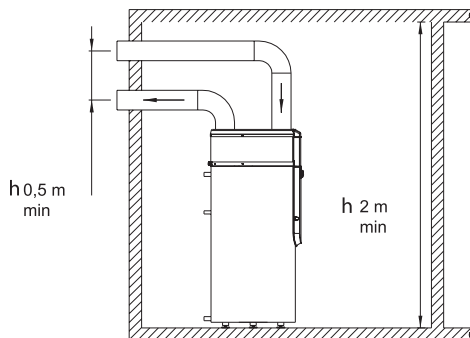
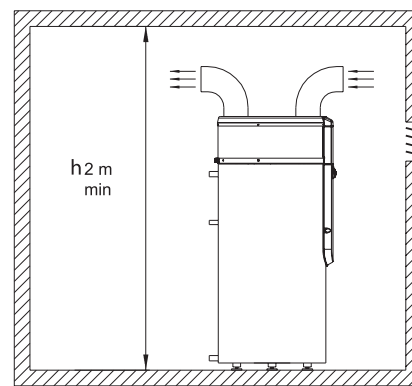
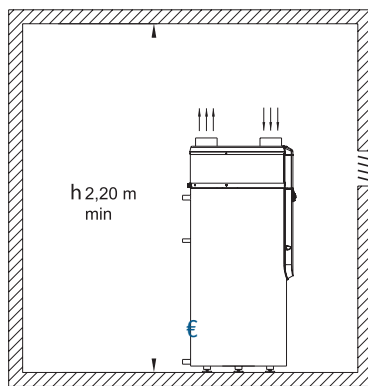
Type	Code
90° elbow - diameter 160 mm	K 70 N 135 T
Silencer with hose, diameter 160 mm	K 70 N 136 T

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300 - 300S**

Installation

- The thermodynamic water heater “LIBERTY 300” can be installed as a non-ducted unit in rooms with a surface area of $> 20 \text{ m}^2$, or can be ducted outdoors (see technical documentation for the various configurations).



The thermodynamic water heater “LIBERTY 300” from Technibel can be used to complete heating systems fitted with a Technibel heat pump at any time

Reducing

Reducing emissions and saving money

Less CO₂ and a saving of up to 70% “LIBERTY 300” from Technibel reduces your electricity bills.

