

Dora Tech 90-120 LT

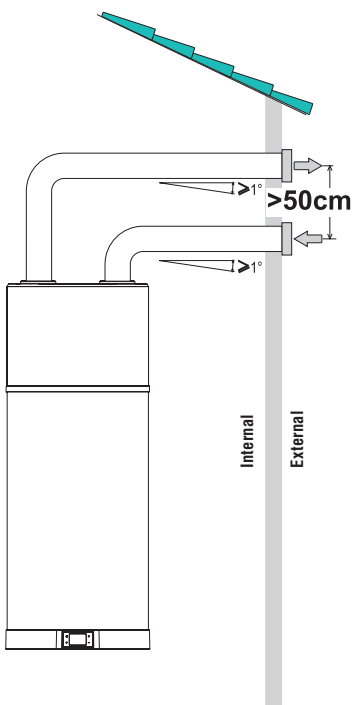
Wall-mounted heat pump water heater for low temperatures

- Air-source heat pump for wall-mounted installations with integrated storage tank for domestic hot water production
- Eco-friendly refrigerant gas R290 and active defrosting system allowing proper operation down to -7°C air temperature
- Integrated 1200 W electric heating element
- Built-in Wi-Fi for smartphone control via the "LAMBORGHINI CALORECLIMA HOME" App
- Simple and intuitive onboard touch control panel
- Enamelled steel water storage tank with 50 mm polyurethane insulation
- Main aluminum heat exchanger external to the tank
- Prepared for solar coil connection (version "LT-S")
- Possibility to duct the exhaust air
- Programmable anti-legionella cycle
- Provision (digital input) for activation using available photovoltaic energy
- Provision (digital input) for activation with reduced electricity tariff
- Energy consumption can be monitored via the **ENERGY MONITORING function (designed and patented by LAMBORGHINI CALORECLIMA)**, allowing for optimized domestic hot water production and maximum user comfort.

Code	Model
2CP0020L	DORA TECH 90 LT
2CP0021L	DORA TECH 120 LT
Code	Accessoris
2CP00280	Cascade regulator kit (1 piece should be installed for each water heater in cascade)
016094X0	Cover kit for outdoor installations

Control panel

- Through the LAMBORGHINI CALORECLIMA HOME app or the onboard control panel, multiple operating modes can be selected: **Eco**: heat pump only (max setpoint 62°C) / **Auto**: heat pump with electric element support if needed (max setpoint 62°C) / **Boost**: heat pump and electric element operate simultaneously (max setpoint 75°C) / **Electric**: electric element only (max setpoint 75°C) / **Fan**: ventilation only
- The DORA TECH control electronics can manage and optimize integration with photovoltaic energy, increasing the water temperature in the tank up to a user-defined value (max 75°C).



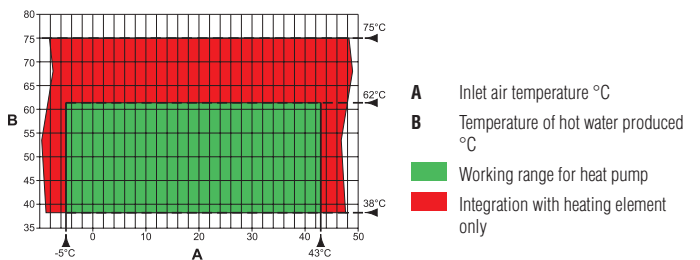
Connectivity

CONNECTIVITY Thanks to the "LAMBORGHINI CALORECLIMA HOME" App downloadable on smartphone, DORA TECH can be fully managed by changing its parameters and operating modes.



Limits of use

TEMPERATURE RANGE. The graph below indicates the temperature range of the produced air and water, which guarantees correct operation.

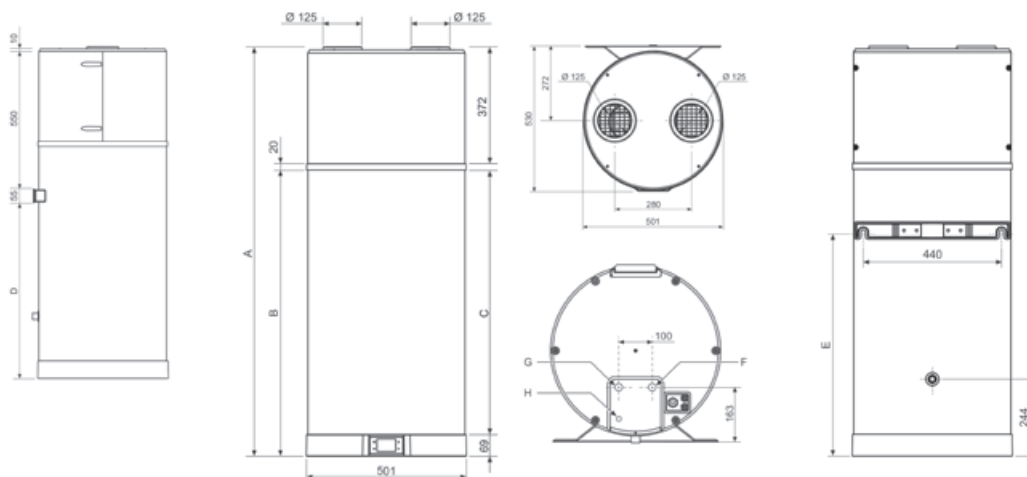


POWER SUPPLY VOLTAGE RANGE. The table below provides the admissible variation conditions for the electrical power supply

Standard power supply	V-ph-Hz	230-1-50
Admissible voltage range	V	207 - 254

DORA TECH		90 LT	120 LT
Nominal storage capacity	L	89	118
Max. hot water capacity at 40°C	L	102	145
Storage dispersion	W	40	46
DHW max. temperature with heat pump only	°C	62	62
DHW max. temperature with supplementary electric booster	°C	75	75
Integrated heating element power	W	1200	1200
Average absorbed power in heating	W	270	270
Pump heat output	W	607	613
Dimensions (Ø x H)	mm	510 x 1333	510 x 1555
Empty weight	kg	49	55
Max. water pressure	bar	7	7
Max. air temperature	°C	43	43
Min. air temperature	°C	-5	-5
Nominal air flow	m³/h	170	170
Max. available head for cold air outlet	Pa	110	110
Duct diameter	mm	125	125
Required room volume	m³	15	15
Power supply parameters	V-Hz	230V - 50Hz	230V - 50Hz
Protection rating		IP24	IP24
Indoor sound power Lw(A)	dB(A)	54	53
Gas type		R290	R290
Charge quantity	g	150	150
Heating time 7°C in ECO mode	hh:mm	05:52*	08:15*
COP DHW 7°C		3.12	2.75
Internal coil for solar		--	--
Energy efficiency class for heating water in average climatic conditions			
Energy efficiency of water heating in % in average climatic conditions	%	134	119
Annual energy consumption in average climatic conditions	kWh	383	458
Declared load profile		M	M

- Test in accordance with EN16147-2017 with air inlet temperature at 7°C (6°C), boiler storage ambient temperature 20°C, water heating from 10°C to 53°C. (*)



DORA TECH	90 LT	120 LT	
A	mm	1303	1555
B	mm	912	1162
C	mm	843	1094
D	mm	690	940
E	mm	711	963