



PATENTED



Vira Icon W

Air-water heat pump for domestic hot water production

- Monobloc air-to-water heat pump for wall-mounted installation, equipped with an integrated storage tank for the production and storage of domestic hot water (DHW).
- All versions are equipped with an active defrosting system (Active Defrost) which guarantees the correct operation of the unit down to an outdoor air temperature of -10°C .
- It uses the natural refrigerant R290, characterized by a low environmental impact and high energy performance.
- Supplementary electric heating element supplied as standard, with a rated output of 1.2 kW.
- Integrated Wi-Fi connectivity for remote monitoring and management via the "Lamborghini Caloreclima BeHome" App.
- User interface with integrated touch control panel, developed to ensure simple, intuitive, and immediate management of all functions.
- Storage cylinder made of enameled steel with high corrosion resistance, with high-density polyurethane insulation to limit heat loss.
- Patented heating circuit designed to maximize heat exchange efficiency and overall system performance.
- Triple-action anti-corrosion protection system consisting of a double magnesium anode and an active electronic anode.
- Possibility of air ducting for both intake and delivery, for greater installation flexibility.
- Programmable anti-legionella function with automatic thermal sanitization cycles.
- Dedicated digital input for automatic activation in the presence of electricity produced by a photovoltaic system.
- Dedicated digital input for the management of operating profiles associated with favorable electricity tariffs.
- Advanced electronics designed to optimize integration with renewable energy sources. The system is able to directly manage the components of the solar thermal system or integrate with dedicated control units.
- Energy Monitoring function, developed and patented by Lamborghini Caloreclima, for monitoring energy consumption and optimizing DHW production, guaranteeing maximum operating efficiency and the best level of comfort for the user.

Code	Model
M00000000B	VIRA ICON W 100
M00000010B	VIRA ICON W 150
Code	Accessories
016094X0	Cover kit for outdoor installations

Control and management functions

The selection of operating modes can be carried out via the "Lamborghini Caloreclima BeHome" App or directly from the on-board control panel.

Eco Mode

- Exclusive operation with heat pump. Maximum DHW setpoint temperature: 62°C .

Auto Mode

- Operation with heat pump and automatic activation of the electric heating element if necessary. Maximum DHW setpoint temperature: 62°C .

Boost Mode

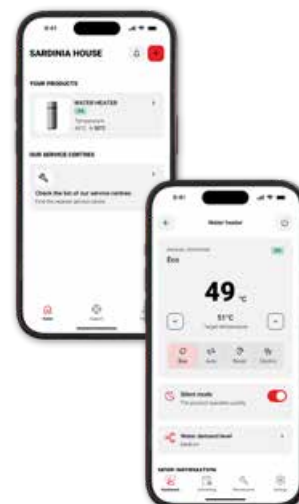
- Simultaneous operation of heat pump and electric heating element for maximum temperature recovery. Maximum DHW setpoint temperature: 70°C .

Electric Mode

- DHW production by means of the electric heating element only. Maximum DHW setpoint temperature: 70°C .

Connectivity

The integrated Wi-Fi connectivity, combined with the "Lamborghini Caloreclima BeHome" App, allows complete remote control of the unit via smartphone, enabling the modification of operating parameters, the selection of operating modes, time scheduling, and the monitoring of system performance.



MODELS			W 100	W 150
Power supply		V/ph/Hz	230/1/50	
Water storage volume		l	100	150
Thermostat temperature settings		°C	55	55
Max hot water temperature with heat pump		°C	62	62
Max hot water temperature with additional electric heater		°C	70	70
Storage tank cathodic protection		-	magnesium + electronic (ICCP)	
DHW electric heater rated power		W	1200	1200
Heat loss (according to EN 12897: 2016)		W	47	68
Solar coil surface area		m²	-	-
Maximum tank inlet water pressure		MPa	0.6	0.6
IP level protection class		-	IPX4	IPX4
Performance - Data according to EN 16147 (unit in ECO mode)				
Load profile (Declared tapping profile)		-	M	L
Water heating energy efficiency class ^{1 4} (Average Climate; F-A* range)		-		
Maximum volume of mixed water at 40°C - V40		l	130	189
Average	Water heating energy efficiency ¹	hwh	146	144
	COP domestic hot water ¹	W/W	3.41	3.46
	Annual Electricity Consumption - AEC1. ⁶	kWh	352	709
	Heating-up time th	h:m:s	06:22	09:43
Warmer	Water heating energy efficiency ³	hwh	155	157
	COP domestic hot water ³	W/W	3.65	3.76
	Annual Electricity Consumption - AEC3. ⁶	kWh	331	653
	Heating-up time th	h:m:s	05:09	08:23
Power input				
Heat pump only average power input		W	270	270
Heat pump only max power input		W	380	380
Stand-by power input Pes		W	20	25
Air circuit				
Minimum outside air temperature (heat-pump operation only)		°C	-10	-10
Maximum outside air temperature (heat-pump operation only)		°C	43	43
Rated air flow		m³/h	170	170
Duct diameter		mm	125-160	125-160
Noise emission ⁵				
Indoor unit sound power level		dB(A)	46	46
Outdoor unit sound power level		dB(A)	37	37
Refrigerant circuit				
Refrigerant type		-	R290	
Refrigerant charge		g	130	130
Unit weight and dimensions				
Net weight		kg	52.5	62
Dimension width		mm	533	533
Dimension height		mm	1334	1696
Dimension depth		mm	544	544

¹ Data according to EN 16147: 2017+A1 standard for AVERAGE climate (unit in ECO mode; Inlet water = 10 °C; Inlet air temp = 7 °C DB / 6 °C WB)

² Data according to EN 16147: 2017+A1 standard for COLDER climate (unit in ECO mode; Inlet water = 10 °C; Inlet air temp = 2 °C DB / 1 °C WB)

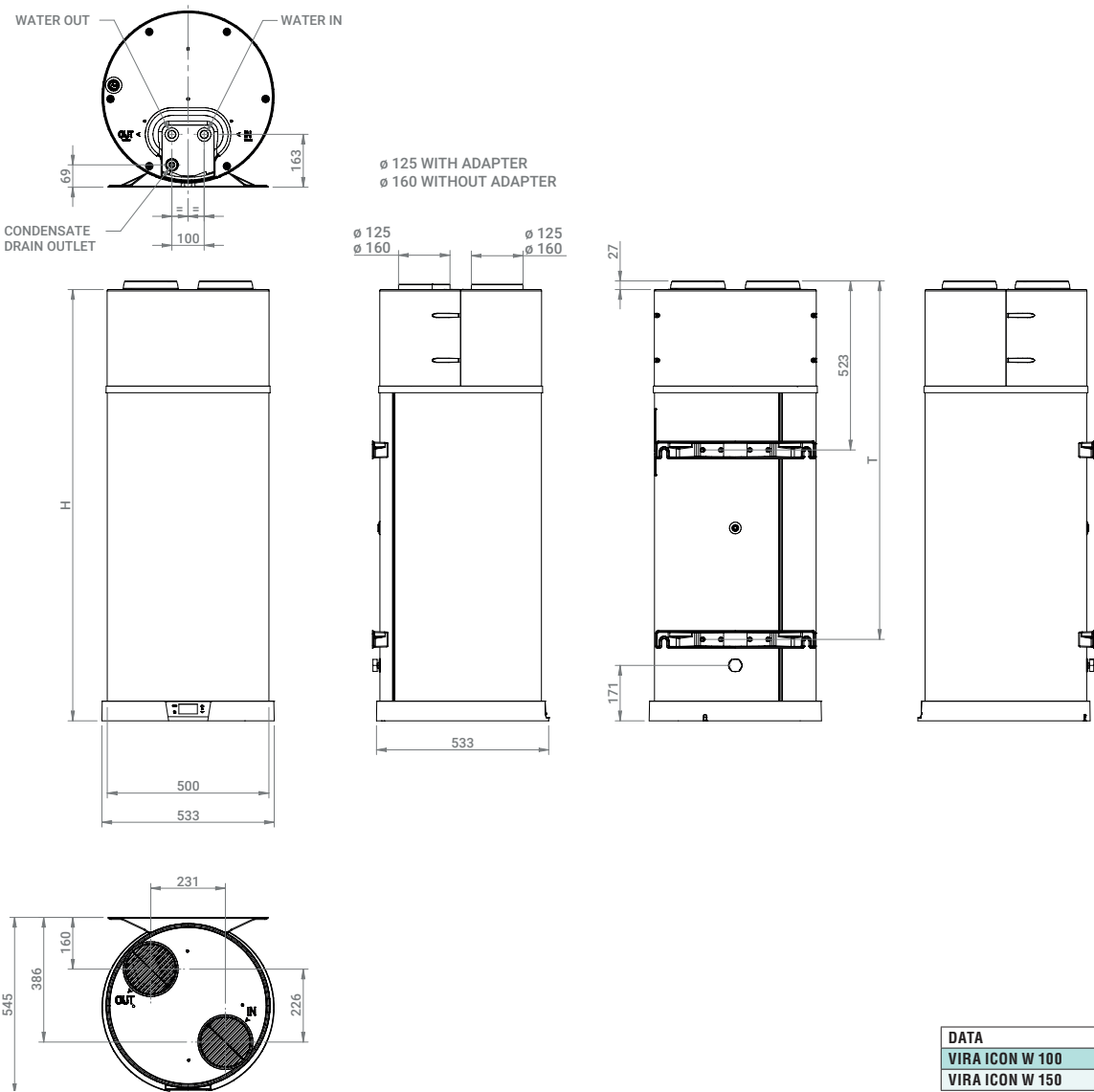
³ Data according to EN 16147: 2017+A1 standard for WARMER climate (unit in ECO mode; Inlet water = 10 °C; Inlet air temp = 14 °C DB / 13 °C WB)

⁴ Data according to EU Regulation 812/2013

⁵ Data according to EN 12102-2: 2019 ECO mode with Inlet air temp = 7 °C DB / 6 °C WB

⁶ Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

Water heater in heat pump



DATA	H	T
VIRA ICON W 100	1334	-
VIRA ICON W 150	1694	1109