


PATENTED


Code	Model
M00000020B	VIRA ICON F 200
M00000030B	VIRA ICON F 260
M00000040B	VIRA ICON FS 200
M00000050B	VIRA ICON FS 260
Code	Accessories
2CP00280	Cascade regulator kit (1 piece should be installed for each water heater in cascade)
043007X0	Solar collector probe

Vira Icon F - FS

Air-water heat pump for domestic hot water production

- Monobloc air-to-water heat pump for floor-standing 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.
- Use of natural refrigerant R290 with low environmental impact.
- Supplementary electric heating element as standard with a rated output equal to 1.5 kW.
- Integrated Wi-Fi connectivity for remote monitoring and management via the "Lamborghini Caloreclima BeHome" App.
- User interface with integrated touch control panel, designed for simple and intuitive management of the functions.
- Storage tank in enameled steel with high corrosion resistance, insulated with high-density polyurethane insulation.
- Patented heating circuit, to guarantee high efficiency levels in heat exchange.
- Pre-arrangement for integration with a solar thermal system by means of a dedicated coil, in the FS versions.
- Triple anti-corrosion protection system consisting of a double magnesium anode and an electronic anode.
- Possibility of air ducting for intake and/or delivery.
- 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 capable of optimizing integration with renewable energy sources; in the FS models, the system can 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, ensuring maximum operating efficiency and user comfort.

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

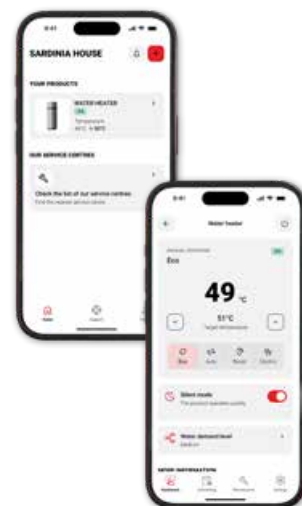
- Simultaneous operation of heat pump and electric heating element for maximum temperature recovery. Maximum DHW setpoint temperature: 70°C.

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.



Water heater in heat pump

MODELS		F 200	F 260	FS 200	FS 260
Power supply	V/ph/Hz	230/1/50			
Water storage volume	l	192	252	189	249
Thermostat temperature settings	°C	55	53	55	53
Max hot water temperature with heat pump	°C	62	62	62	62
Max hot water temperature with additional electric heater	°C	70	70	70	70
Storage tank cathodic protection	-	magnesium + electronic (ICCP)			
DHW electric heater rated power	W	1500	1500	1500	1500
Heat loss (according to EN 12897: 2016)	W	60	70	60	70
Solar coil surface area	m ²	-	-	0.72	0.72
Maximum tank inlet water pressure	MPa	0.6	0.6	0.6	0.6
IP level protection class	-	IPX4	IPX4	IPX4	IPX4
Performance - Data according to EN 16147 (unit in ECO mode)					
Load profile (Declared tapping profile)	-	L	XL	L	XL
Water heating energy efficiency class ^{1 4} (Average Climate; F-A+ range)	-				
Maximum volume of mixed water at 40°C - V40	l	258	331	258	331
Average	Water heating energy efficiency ¹	hwh	156	154	156
	COP domestic hot water ¹	W/W	3.69	3.72	3.69
	Annual Electricity Consumption - AEC1. ⁶	kWh	656	1089	656
	Heating-up time th	h:m:s	07:37	09:55	07:37
Warmer	Water heating energy efficiency ³	hwh	173	165	173
	COP domestic hot water ³	W/W	4.1	4.01	4.1
	Annual Electricity Consumption - AEC3. ⁶	kWh	593	1014	593
	Heating-up time th	h:m:s	06:25	08:15	06:25
Power input					
Heat pump only average power input	W	430	430	430	430
Heat pump only max power input	W	530	530	530	530
Stand-by power input Pes	W	31	30	31	30
Air circuit					
Minimum outside air temperature (heat-pump operation only)	°C	-10	-10	-10	-10
Maximum outside air temperature (heat-pump operation only)	°C	43	43	43	43
Rated air flow	m ³ /h	250	290	250	290
Duct diameter	mm	160	160	160	160
Noise emission ⁵					
Indoor unit sound power level	dB(A)	50	51	50	51
Outdoor unit sound power level	dB(A)	45	47	45	47
Refrigerant circuit					
Refrigerant type	-	R290			
Refrigerant charge	g	150	150	150	150
Unit weight and dimensions					
Net weight	kg	80	91	89	100
Dimension width	mm	668	668	668	668
Dimension height	mm	1587	1872	1587	1872
Dimension depth	mm	642	642	642	642

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.

