



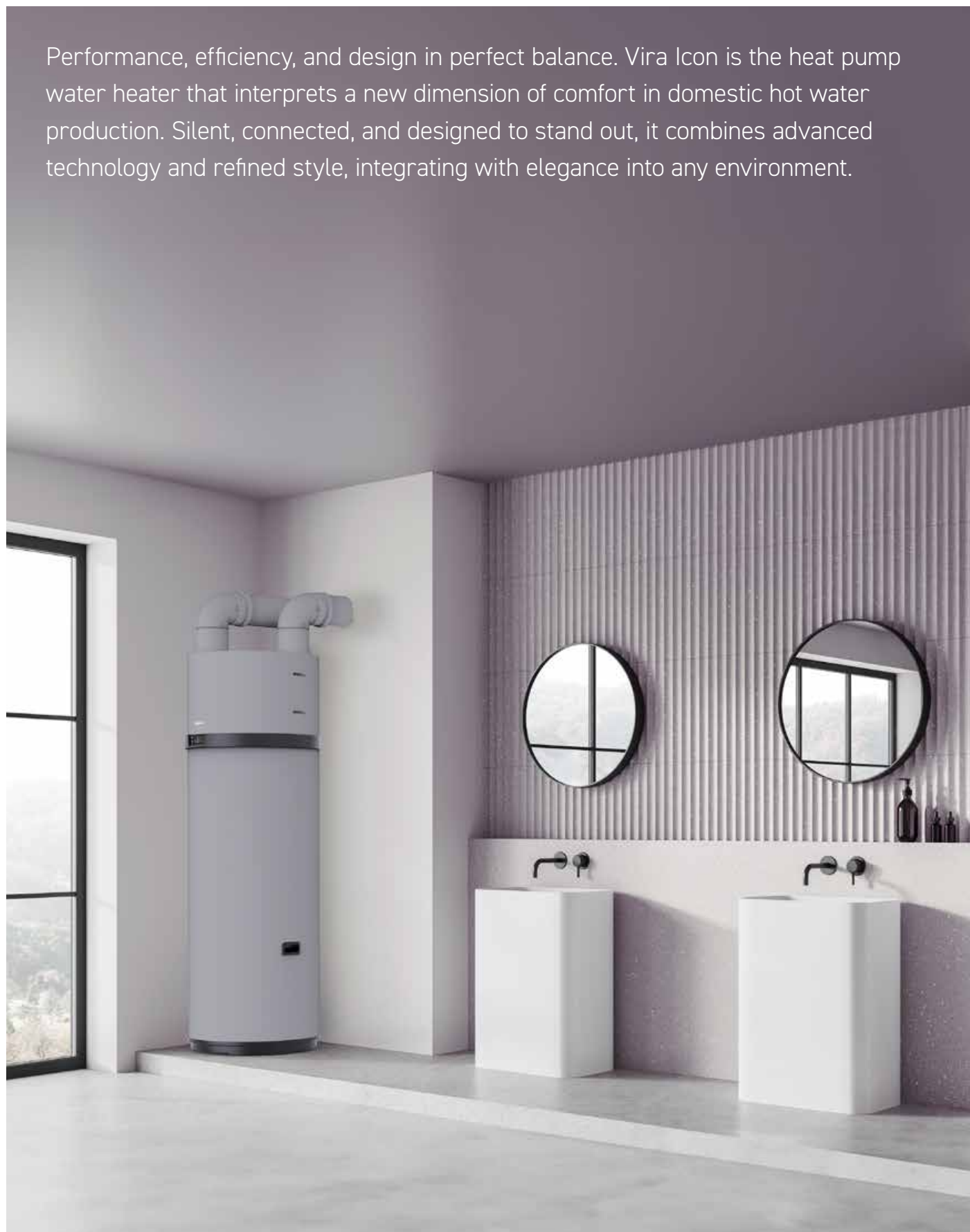
VIRA ICON

Air-water heat pump for domestic
hot water production

VIRA ICON

THE PLEASURE OF COMFORT. THE ELEGANCE OF EFFICIENCY.

Performance, efficiency, and design in perfect balance. Vira Icon is the heat pump water heater that interprets a new dimension of comfort in domestic hot water production. Silent, connected, and designed to stand out, it combines advanced technology and refined style, integrating with elegance into any environment.



VIRA ICON

THE EVOLUTION OF COMFORT

Vira Icon was created to offer a new experience in domestic hot water production, combining distinctive design, technological innovation, and high performance in a single solution.

The integrated **Wi-Fi connectivity**, **intelligent consumption monitoring**, and advanced system management, with **cascade control of up to 8 units**, offer an experience that is always connected, intuitive, and personalized.

Thanks to heat pump technology with **R290 natural refrigerant**, characterized by a **GWP of less than 1**, and top-of-the-class performance, with a **COP higher than 3.72** and an **A+ energy class**, Vira Icon interprets a more evolved and responsible vision of energy use, combining respect for the environment and performance.

Particular attention has also been given to long-term reliability. The enamelled steel storage tank is protected by a triple-action anti-corrosion system consisting of **two magnesium anodes and an active electronic anode**, while the high-density polyurethane insulation helps minimize heat losses and maintain system efficiency over time.

Designed to guarantee continuity and reliability in every season, it ensures water temperatures up to 62°C using the heat pump alone and a wide operating range between -10°C and +43°C, to offer maximum comfort even in the most demanding climatic conditions.

Integration with photovoltaic systems and, in dedicated versions, with solar thermal systems allows for the best utilization of available renewable energy, transforming it into daily comfort.

Distinctive in performance, discreet in presence, Vira Icon combines high performance with advanced silence. The acoustic optimization of the system reduces the noise level by **up to -8 dB(A) in wall-mounted versions** and **-2 dB(A) in floor-standing versions**, contributing to an even more harmonious integration into domestic environments.

Advanced technology, distinctive style, and uncompromised comfort.



THE RANGE		Gas type	Capacity l	Load profile	ERP class	Solar thermal integration	COP ¹	Max domestic hot water temperature ²	No. of persons
Wall-mounted	Vira Icon W 100	R290	100	M	A	NO	341	62°	2
	Vira Icon W 150	R290	150	L	A	NO	346	62°	3
Floor-standing	Vira Icon F 200	R290	200	L	A	NO	369	62°	4
	Vira Icon F 260	R290	260	XL	A	NO	372	62°	5
Floor-standing with solar integration	Vira Icon FS 200	R290	200	L	A	YES	369	62°	4
	Vira Icon FS 260	R290	260	XL	A	YES	372	62°	5

¹ Data according to EN 16147:2017+A1 under AVERAGE climate conditions (unit operating in ECO mode; inlet water temperature = 10°C; inlet air temperature = 7°C DB / 6°C WB)

² 62°C in heat pump operation only; 70°C with auxiliary electric heating element

ELECTRONICS

INTUITIVE TECHNOLOGY. IMMEDIATE CONTROL.

Behind the high performance of Vira Icon lies an advanced technology designed to offer a simple, immediate, and always-in-control user experience. The system also incorporates the patented Energy Monitoring function, developed by Lamborghini Caloreclima, which enables energy consumption monitoring and optimization of domestic hot water production to ensure maximum operating efficiency.

The Capsense touch interface with backlit display allows easy access to settings and operating modes, guaranteeing quick and intuitive management.

Always connected, always under control. Vira Icon transforms technology into an intuitive and personalized comfort experience.



SYMBOLS LEGEND

	Operating mode selection Confirmation of new set-point value Access to menus and submenus Confirmation of modified parameter value		BOOST Mode (operation with heat pump and electrical heating element)		Photovoltaic Mode (optional) (the steadily lit symbol indicates that the function is enabled, the flashing symbol indicates that the function is active)
	Confirmation of new set-point value Return to main menu or previous screen Exit from parameter modification screen without saving		ELECTRIC Mode (operation with electrical heating element only)		Fault or active protection Request for technical intervention or maintenance
	Increase of set-point value or a parameter Navigation within the menu		Anti-legionella cycle		Wi-Fi connection Flashing icon: connection absent
	Decrease of set-point value or a parameter Navigation within the menu		Cascade operation (optional)		Hot water availability indicator (High - Medium - Low) "Low availability" icon: limited availability of domestic hot water
	Time-band operation		Smart Grid / EVU Mode (optional)		Indication of current temperature, set-point, alarm codes, menu
	AUTO Mode (operation with heat pump and, if necessary, with electrical heating element)		Solar Thermal Mode (optional) Icon steadily lit: function enabled Flashing icon: function active		Operating status indicator Orange: product heating Red: anomaly

OPERATING MODES

COMFORT ADAPTERS TO EVERY STYLE



Comfort evolves when it is capable of adapting naturally to different rhythms and lifestyles.

For this reason, Vira Icon provides **four operating modes**, designed to optimize performance, efficiency, and simplicity of use according to real needs.

From consumption optimization to the intelligent management of energy produced by photovoltaic systems, each mode is designed to guarantee a perfect balance between comfort, efficiency, and control.

All versions are equipped as standard with an auxiliary electric heating element that automatically activates when required, ensuring service continuity and maximum domestic hot water availability.

An advanced flexibility that allows the water heater to adapt to different usage habits and operating conditions, always offering the most suitable solution for every context.

Four intelligent modes. A single objective: to offer maximum comfort with maximum efficiency.

MAXIMUM VALORIZATION OF RENEWABLE ENERGY	
ECO MODE	VIRA ICON works ONLY in heat pump mode. The supplementary heater turns on for support only in the event that the external temperature is outside the working range (Tmax 62°C)
THE BALANCE BETWEEN COMFORT AND EFFICIENCY	
AUTO MODE	VIRA ICON prioritizes heat pump operation. The supplementary heater turns on for support only in the event that the tank temperature increases too slowly (>4°C/30 min) or the external temperature is outside the working range (Tmax 62°C)
HIGH PERFORMANCE WHEN IT IS NEEDED MOST	
BOOST MODE	VIRA ICON works simultaneously in heat pump mode and with the supplementary heater. Set-point adjustable up to 70°C
IMMEDIATE POWER, TOTAL CONTROL	
ELECTRIC MODE	VIRA ICON works only with the supplementary heater. Set-point adjustable up to 70°C

INTEGRATION

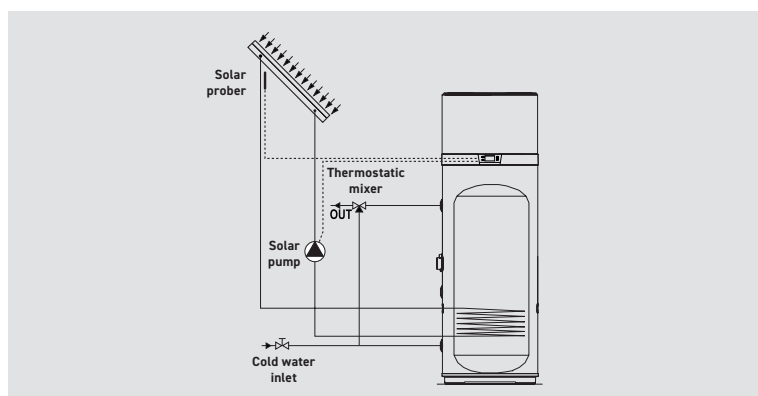
INTELLIGENT MANAGEMENT OF RENEWABLE ENERGY



Vira Icon was born to best utilize and manage every available energy source, transforming it into comfort, efficiency, and daily savings. Thanks to its provision for integration with **photovoltaic systems**, it intelligently uses excess energy produced to increase domestic hot water production, favoring self-consumption and reducing draw from the electricity grid.

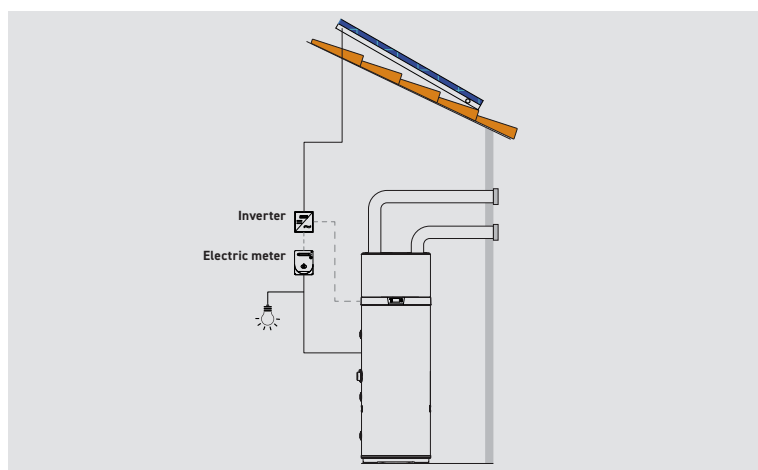
The **FS versions** further expand versatility and integration possibilities thanks to the presence of a dedicated coil inside the tank that allows connection to **solar thermal systems**. A solution that allows direct exploitation of the sun's energy, increasing the overall efficiency of the system and contributing to reducing energy consumption. The advanced electronics intelligently coordinate the different available energy sources, optimizing the operation of the heat pump and maximizing the efficiency of the system in all operating conditions.

Vira Icon is also equipped with a dedicated digital input for managing operating profiles associated with preferential electricity tariffs (**Smart Grid/EVU**), allowing the system to automatically adapt its operation according to electricity availability conditions.



SOLAR SYSTEM

Thanks to the integrated electronics, Vira Icon directly manages all components of the solar circuit, adapting the operation of the heat pump based on the availability of solar energy.



PHOTOVOLTAIC SYSTEM

Vira Icon optimizes the use of excess photovoltaic energy by exploiting the potential-free contact of the inverter. In this mode, the system automatically increases the domestic water temperature to a personalizable set-point (higher than that of the ECO/AUTO modes), thus storing the available free energy.

LAMBORGHINI CALORECLIMA BEHOME APP

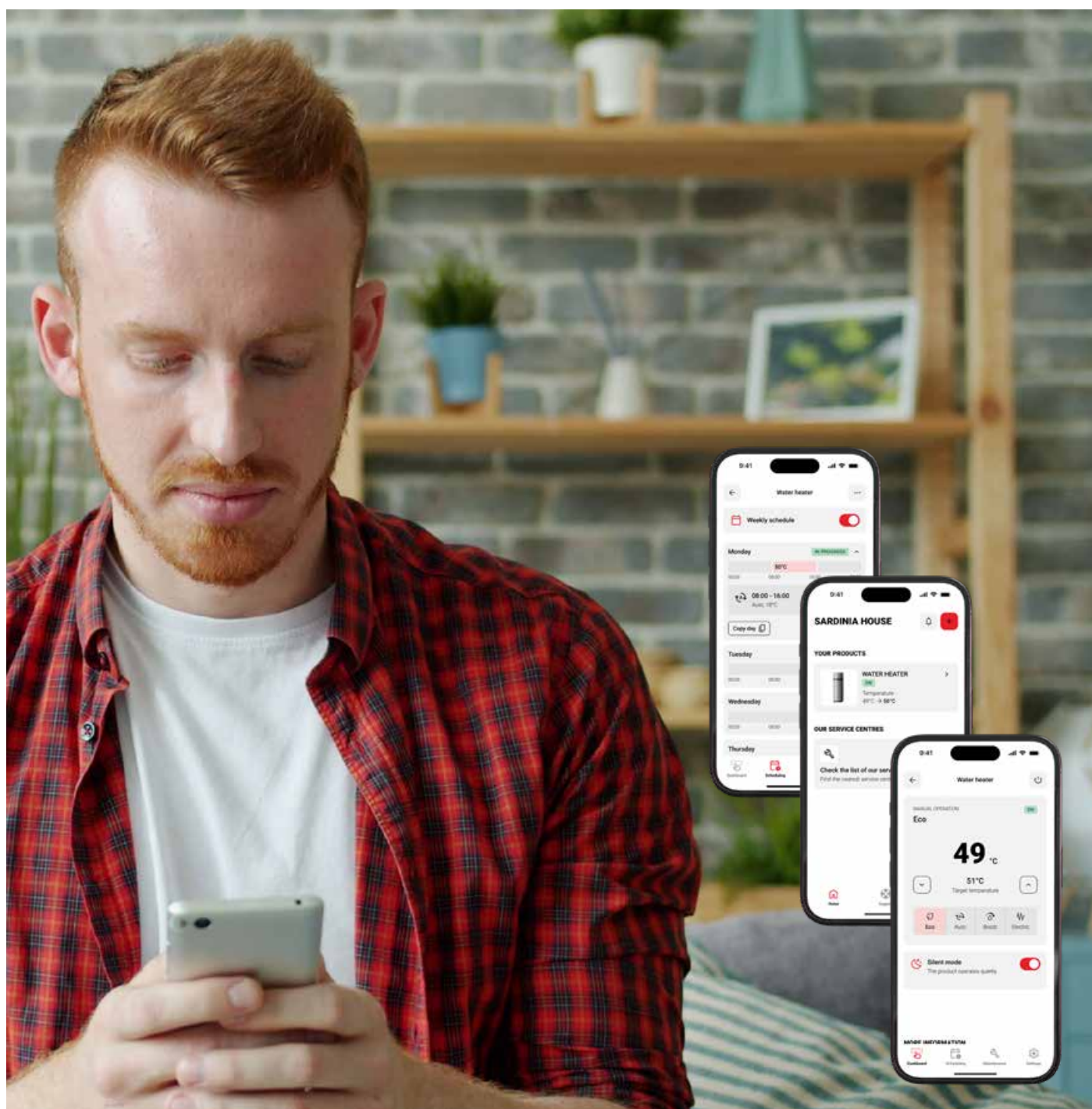
ALWAYS CONNECTED COMFORT

Vira Icon heat pump water heaters include integrated Wi-Fi as standard for remote management via the Lamborghini Caloreclima BeHome app.

BeHome is an intelligent platform designed to expand the potential of Vira Icon and offer a new experience of connected comfort. An advanced ecosystem that allows monitoring, controlling, and managing the product in a simple, immediate, and intuitive way.

Programming of temperatures and operating modes, monitoring of consumption and performance, checking operating status, and managing multiple products from a single app: every function is designed to guarantee continuity and control.

With Vira Icon, technology and design work in perfect harmony to offer a new experience of comfort.



INSTALLATIONS

MAXIMUM VERSATILITY, IN EVERY APPLICATION.

Vira Icon is designed to offer maximum integration versatility in different application contexts.

To guarantee optimal performance, the heat pump requires adequate ventilation of the installation room. A possible configuration with dedicated ducting is illustrated in Fig. 1. Alternatively, it is possible to provide the configuration indicated in Fig. 2, with a second ducting that draws air from the outside instead of directly from the internal room.

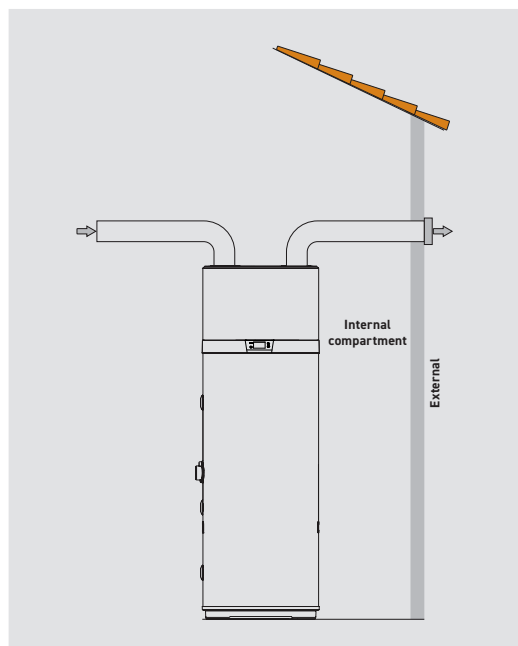


Fig. 1

Example of air exhaust connection (this type of installation can only be carried out with mod. 200 and 260)

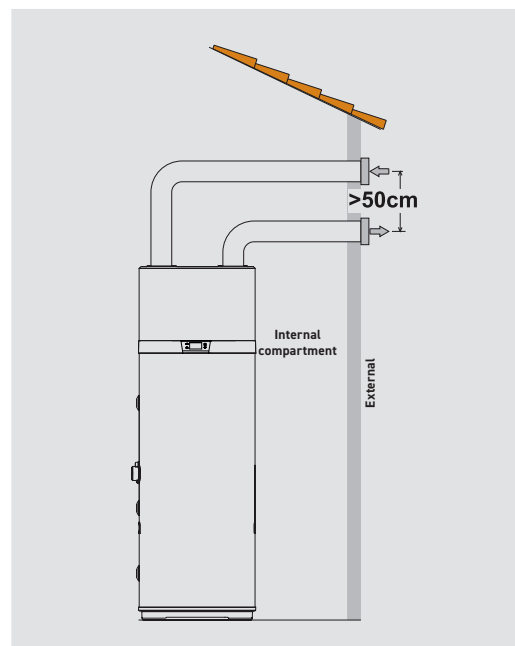


Fig. 2

Example of air exhaust connection (this type of installation can only be carried out with mod. 200 and 260)

One of the distinctive features of heat pump technology is the capacity to generate a significant lowering of the air temperature, generally expelled towards the outside of the home.

The expelled air, in addition to being colder than the ambient air, is also completely dehumidified. For this reason, it can be re-introduced inside the home and used to contribute to the summer cooling of specific environments or rooms.

The installation involves splitting the expulsion pipe to which two dampers ("A" and "B") are applied, allowing the air flow to be directed towards the outside (Fig. 3) or towards the inside of the home (Fig. 4).

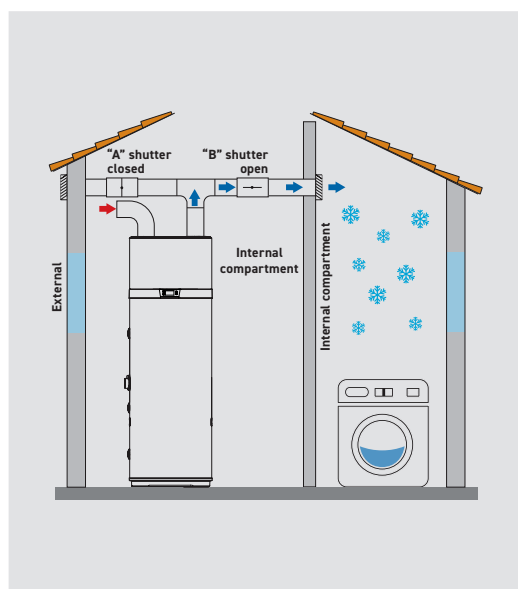


Fig. 3

Example of installation in the summer period (this type of installation can only be carried out with mod. 200 and 260).

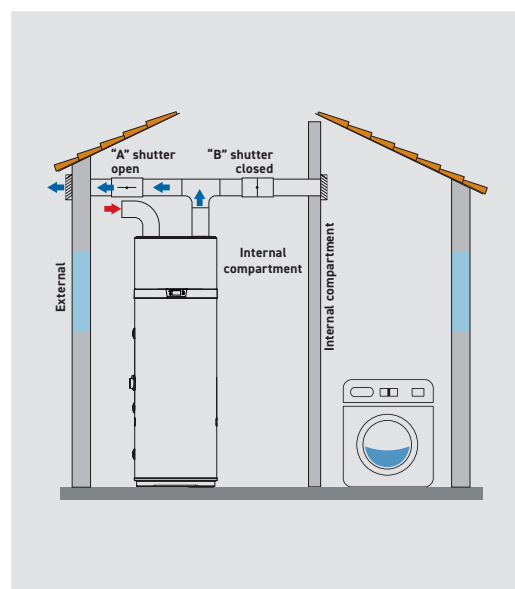
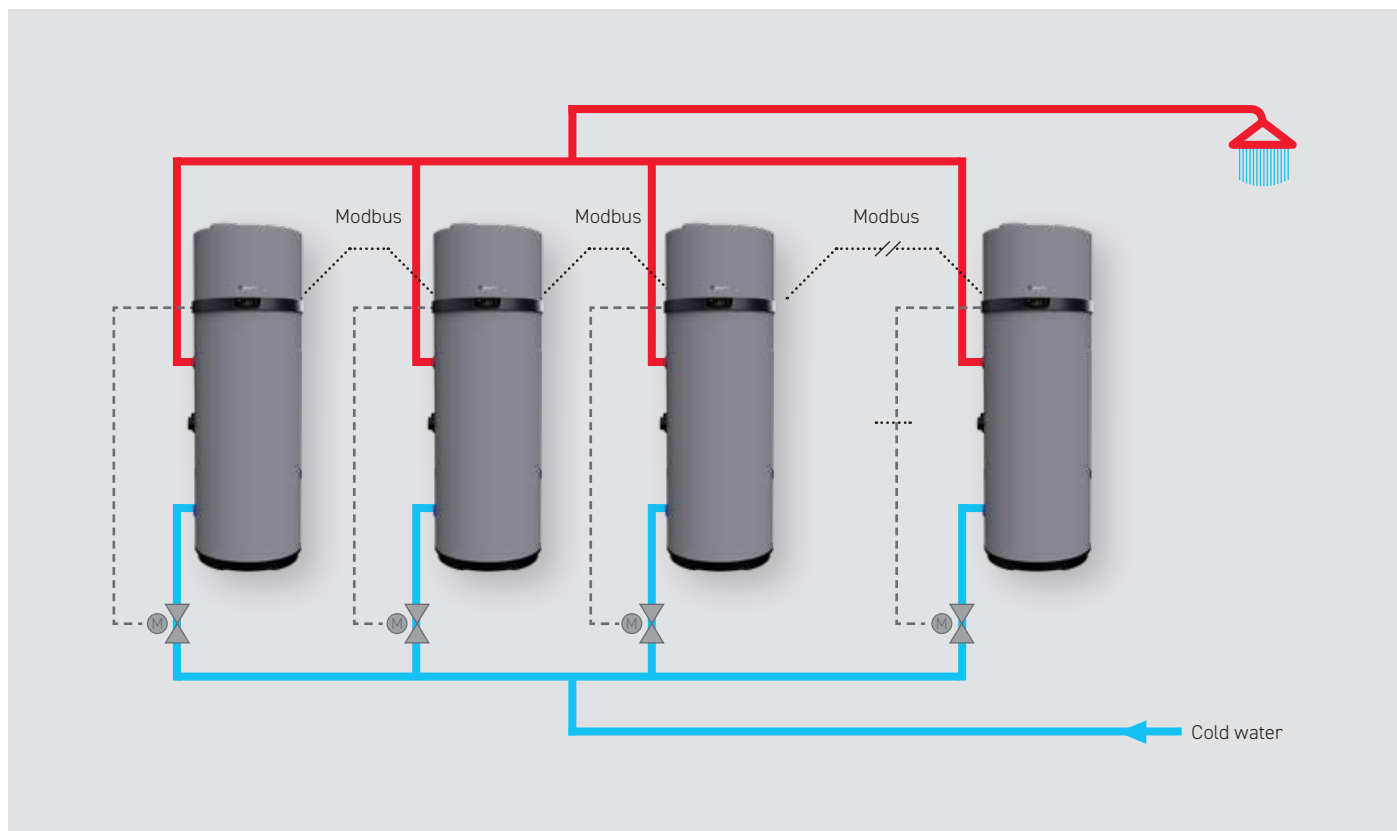


Fig. 4

Example of installation in the winter period (this type of installation can only be carried out with mod. 200 and 260).

CASCADE INSTALLATION

SCALABLE IN POWER. RELIABLE IN PERFORMANCE.



Designed to meet even the highest requirements, Vira Icon offers the possibility to **connect up to 8 floor-standing units in cascade**, guaranteeing high performance, continuity of service, and maximum availability of domestic hot water.

The intelligence of the system lies in the simplicity of its management. Thanks to the integrated electronics, the units communicate with each other autonomously and configure themselves automatically according to a Master/Slave logic, without the need for external regulators or control units.

Monitoring, management, and control of the entire system are always immediate, directly from the Master unit or via the Lamborghini Caloreclima BeHome app.

THE ADVANTAGES OF CASCADE MANAGEMENT

Intelligence that optimizes performance

The automatic rotation of the units evenly distributes the operating hours, contributing to maximizing system reliability and lifespan.

Domestic hot water always available

The electronics automatically adjust domestic hot water production based on the real demands of the system, optimizing operation and energy consumption.

Operating continuity

Even in the event of a standstill of one of the units, the system continues to guarantee service thanks to the other machines connected in cascade.

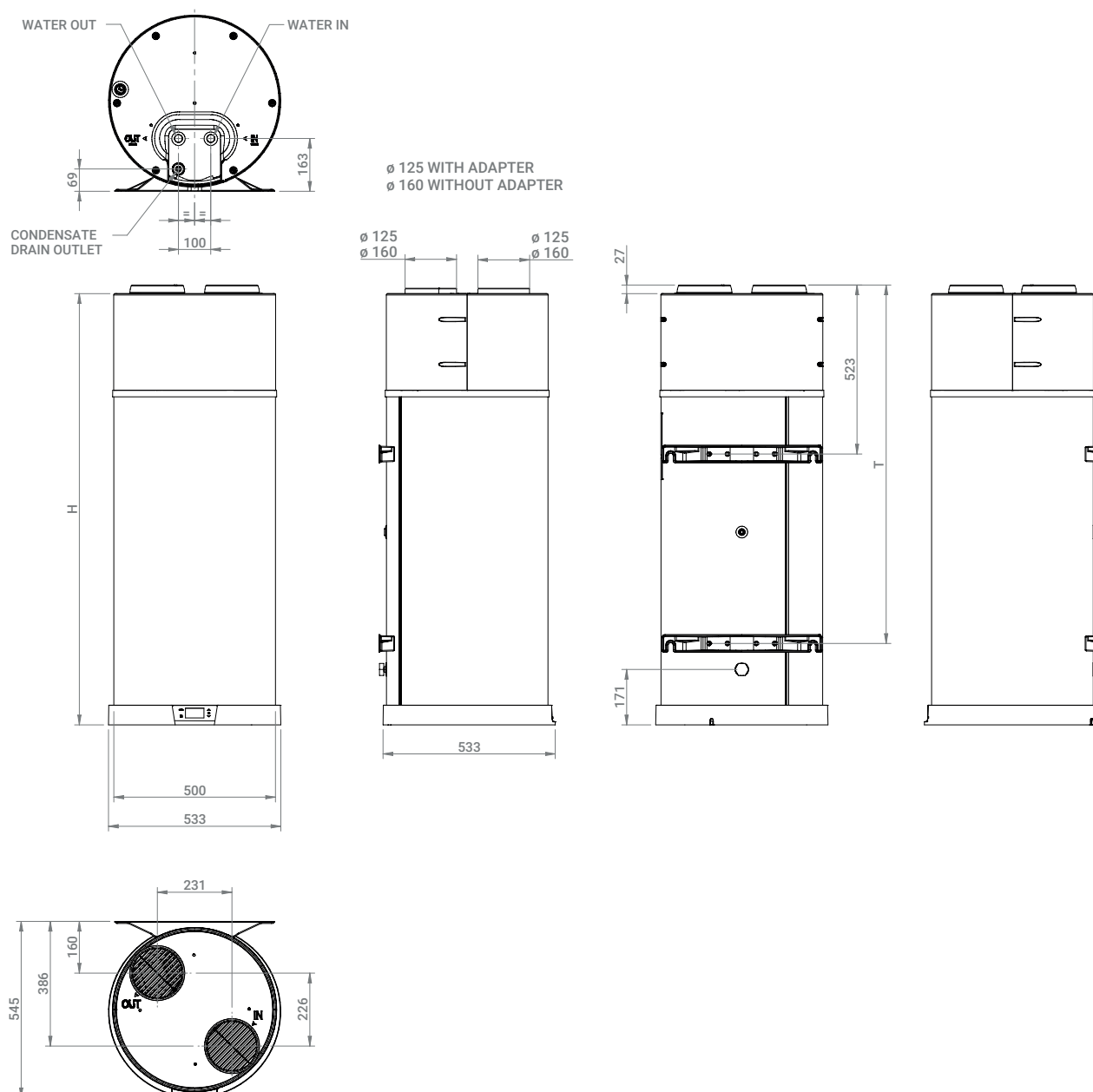
Centralized control

All system parameters can be monitored and managed from a single access point, for simple, intuitive, and immediate supervision. An advanced solution that combines power, reliability, and control, bringing comfort to a higher level even in the most demanding applications.

DIMENSIONS

TECHNICAL DRAWINGS WALL-MOUNTED VERSIONS

Wall-mounted versions – mod. W 100/150

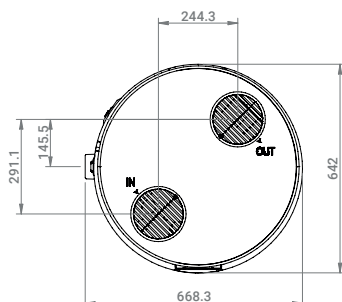
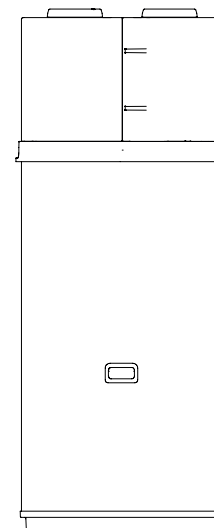
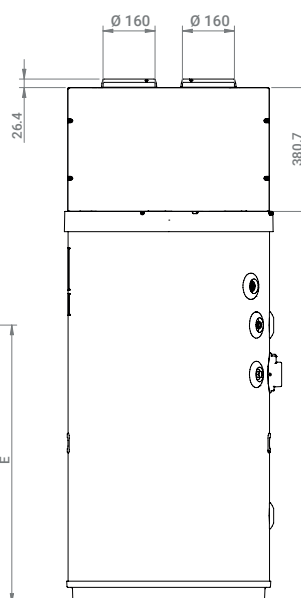
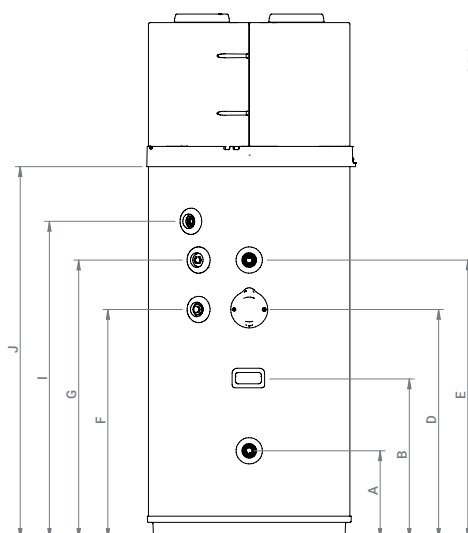
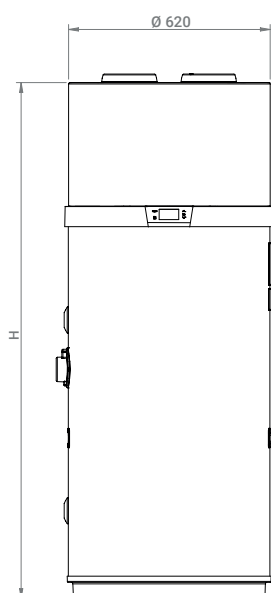
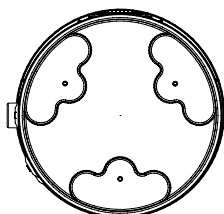


ITEMS	H	T
VIRA ICON W 100	1334	-
VIRA ICON W 150	1694	1109

DIMENSIONS

TECHNICAL DRAWINGS FLOOR-STANDING VERSIONS

Floor-standing versions - mod. F/FS 200/260



ITEMS	A	B	D	E	F	G	H	I	J
VIRA ICON F / FS 200	269,5	490	704,5	856,5	704,5	856,5	1587	976	1144
VIRA ICON F / FS 260	269,5	490	784,5	1141,5	734,5	1141,5	1872	1261	1429

VIRA ICON

PERFORMANCE WALL-MOUNTED MODELS

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)	-	A+	A+
Maximum volume of mixed water at 40°C - V40	l	130	189
Average	Water heating energy efficiency ¹	hwh	146
	COP domestic hot water ¹	W/W	3.41
	Annual Electricity Consumption - AEC1, ⁶	kWh	352
	Heating-up time th	h:m:s	06:22
Warmer	Water heating energy efficiency ³	hwh	155
	COP domestic hot water ³	W/W	3.65
	Annual Electricity Consumption - AEC3, ⁶	kWh	331
	Heating-up time th	h:m:s	05:09
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.

VIRA ICON

PERFORMANCE FLOOR-STANDING MODELS

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)	-	A+	A+	A+	A+
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.

COMPONENTS

THE TECHNOLOGICAL HEART OF VIRA ICON



NOTES



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