AIR SOURCE ENERGY

Change is in the air

A+++

R290 ECO Friendly

LOW GWP

DOMUSA TEKNIK



www.domusateknik.com

THE MOST ADVANCED TECHNOLOGY AT THE MOST REASONABLE PRICE

DOMUSA
TEKNIK

Intelligent connectivity, complete control



COMFORT CONTROL AT YOUR FINGERTIPS.

Our multi-energy systems adapt to your way of life: use your mobile of the display screen of your equipment to programme, adjust and monitor your settings. Efficiency and convenience, all in your hands, no matter where you are.

iConnect

We are manufacturers We have the control and the know-how

ISO 9001
Quality management systems

ISO 14001
Environmental management systems

45001
Occupational health and safety management systems

We are the craftsmen of the technology. We control each stage of production so we can provide robust, custom solutions with agile technical assistance. We hold the **Golden Certificate of Euskalit** and are certified in the most demanding international standards (ISO 9001, 14001 and 45001).

"Here we do not assemble parts; we create solutions"

Each product takes with it our know-how and dedication. Our R&D department works each day to improve our products and develop custom solutions that make life easier for installers.

JORGE
Assembly technician



55ºC
A+++

Energy efficiency reflected in your bill

State-of-the-art technology at a reasonable price and an **A+++ energy rating.** Lower consumption without giving up comfort; equipment designed to maximise savings.

MONDRAGON
HUMANITY AT WORK
Finance
Industry
Retail
Knowledge

The best of both worlds

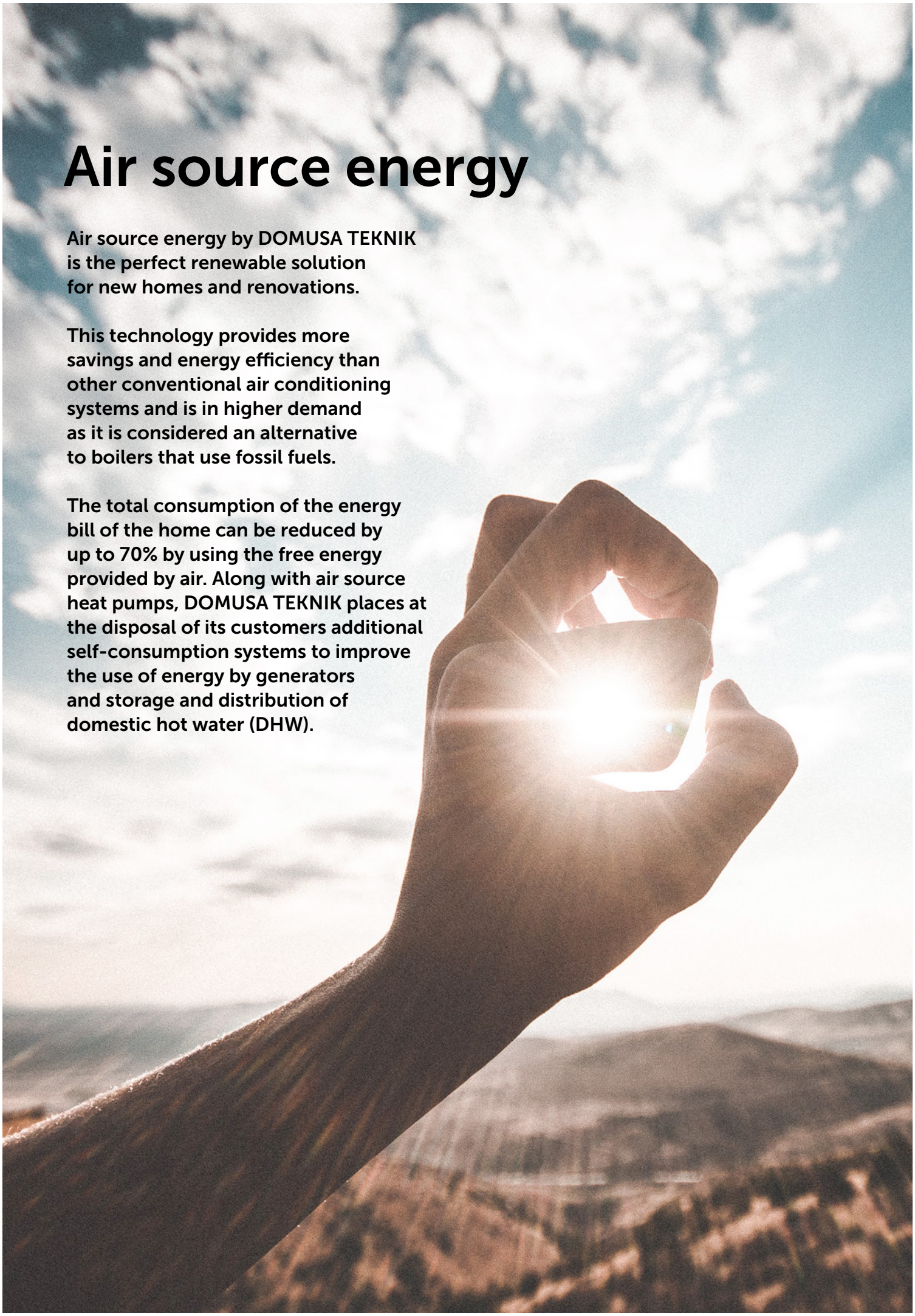
The agility and flexibility of a local company, backed by a **leading cooperative group** (80,000 employees and more than 100 companies). Local innovation, global solutions.

Air source energy

Air source energy by DOMUSA TEKNIK is the perfect renewable solution for new homes and renovations.

This technology provides more savings and energy efficiency than other conventional air conditioning systems and is in higher demand as it is considered an alternative to boilers that use fossil fuels.

The total consumption of the energy bill of the home can be reduced by up to 70% by using the free energy provided by air. Along with air source heat pumps, DOMUSA TEKNIK places at the disposal of its customers additional self-consumption systems to improve the use of energy by generators and storage and distribution of domestic hot water (DHW).



Change is in the air

Finally, a solution that meets the needs of professionals, users and the planet.



"Energy efficiency is becoming more and more important for my customers. This is precisely where air source energy becomes one of the best solutions."

Ana Múgica
Architect



"There are five of us at home. Of course I care about savings. But I care even more about the planet we will be leaving our children."

Cristina Blasco
User



"The range of air source energy appliances offered by Domusa Teknik lets me carry out easier, safer and more efficient installation."

Mikel García
Installer

EC Range

This option offers greater capacity and simplifies the installation. The most important features are listed below.

iConnect module included as standard

MODULE
iConnect
INCLUDED AS STANDARD IN EC MODELS

Mod-BUS connection with the outdoor unit

A simple two-wire cable enables communication with the outdoor unit, thereby simplifying the installation considerably.

Connection for photovoltaic installations

This optimises the use of photovoltaic systems and improves the installation's energy storage capacity.

Controlling heating and cooling areas

Equipped with inlets and outlets for the operation of two areas at different temperatures or during different time periods. This provides more precise and customised control by the user.

HIGH TEMPERATURE AIR SOURCE ENERGY HEAT PUMP

Dual Clima HT PRO
Dual Clima HT EC PRO

HIGH TEMPERATURE AIR SOURCE HEAT PUMPS FOR HEATING, COOLING AND DHW

- → Ideal for homes with radiators that want to replace their old boiler.
- → Natural refrigerant R290.
- → Compatible with photovoltaic solar panels.

Manufactured in SPAIN

iConnect

35°C/55°C A+++



R290 ECO Friendly

LOW GWP

DOMUSA TEKNIK

GREATER EFFICIENCY, BETTER PERFORMANCE AND CONNECTIVITY AT YOUR FINGERTIPS

Dual Clima HT PRO

Optional connectivity through the iConnect module.

Dual Clima HT EC PRO

Must be used in conjunction with the Easy Connect connection module.
Integrated connectivity thanks to the iConnect app.

MODULE
iConnect
INCLUDED AS STANDARD IN EC MODELS



75°C

Without having to replace your radiators

Temperature changes everything. Compatible with existing installations.

Since the pumped water reaches a temperature of 75ºC, the equipment is compatible with the radiators in any home. It also accumulates hot water up to 70ºC, so the tank can be smaller.

Up to 70% savings in your bill

Is it time to replace your boiler? It may also be time to install new technology.

The new generation of Dual Clima HT PRO heat pumps has an energy rating of A+++ at 55ºC. The result is maximum home comfort, optimal energy consumption and invoice savings.

ECO lower emissions

Surprising savings and distinct environmental advantages.

The Dual Clima HT uses a natural refrigerant gas (R290), which makes it the most ecological air-conditioning solution. This is because its Global Warming Potential (GWP) is 3, a minimal carbon footprint.

Easy installation and maintenance

Monoblock.

The equipment is remarkably easy to install and maintain, given that it only pumps water into the home. It is also provided with a wide range of solutions to adapt to the particular needs of each project. The monoblock system allows the machine to be installed without having to handle refrigerant gases. It can be installed by any licensed professional.

HEAT PUMPS
MONOBLOCK

Dual Clima R
Dual Clima R EC



RENEWABLE SOURCE OF ENERGY FOR HEATING, HOT WATER AND COOLING

- → **Ideal for new home construction or homes with underfloor heating.**
- → **Pure R32 low-maintenance refrigerant.**
- → **Completely equipped with an integrated pump and expansion vessel.**

R32
REFRIGERANT

Manufactured in
SPAIN

DOMUSA
TEKNIK

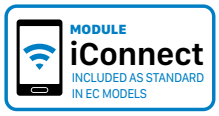
UPGRADING TECHNOLOGY HAS NEVER BEEN SO EASY

Dual Clima R

Optional connectivity through the iConnect module.

Dual Clima R EC

Must be used in conjunction with the Easy Connect connection module.
Integrated connectivity thanks to the iConnect app.





Easy to use

Electronic control inside the home

The Dual Clima R includes a remote control that allows easy and user-friendly management of all the components* from inside the home.

This includes the option of programming a silent night-time mode to reduce fan noise during a given period.



Low maintenance costs

Using electricity instead of fossil fuels as a source of energy makes it unnecessary to perform maintenance on a combustion chamber and gas exhaust systems.



Enjoy pleasant temperatures with low temperature emitters

The Dual Clima R is the ideal solution for new home construction or homes with underfloor heating.

This air source heat pump will make your home sustainable and efficient, in compliance with the regulations that favour energy transition.



Easy and safe installation

Monoblock technology

The Dual Clima R is remarkably easy to install and can be installed further from the indoor unit*, since only water is pumped into the home.

Its monoblock structure does not require handling gases and reduces the risk of leaks.

It also provides a wide range of solutions to adapt to the particular needs of each project.

MONOBLOCK DHW HEAT PUMPS

Hydrea

HEAT PUMP FOR THE GENERATION
OF DOMESTIC HOT WATER

- → **For domestic hot water**
- → **Integrated WiFi connectivity**
- → **Water output up to 70ºC**
- → **Duplex 2205 storage tank**
- → **5 operating modes and weekly programming**
- → **Anti-legionella function**
- → **Wall-mounted (150 L) and floor-mounted (200 and 280 L)**



R290
ECO
Friendly

DOMUSA
TEKNIK

SAVINGS AND COMFORT FLOW LIKE WATER

Hydrea 150

Wall-mounted air source energy heat pump for DHW generation with natural R290 refrigerant and standard WiFi connectivity.

Hydrea 200 - 280

Floor-mounted air source energy heat pump for DHW generation with natural R290 refrigerant and standard WiFi connectivity.

Hydrea 280 S

Floor-mounted air source energy heat pump equipped with a solar coil for DHW generation with natural R290 refrigerant and standard WiFi connectivity.



Maximum comfort, hand-in-hand with minimum consumption

The high performance (A+) of our air source energy solutions provide considerable savings versus other traditional hot water generation systems and guarantee comfort and well being all year round.

Low maintenance costs

Using electricity instead of fossil fuels as a source of energy makes it unnecessary to perform maintenance on a combustion chamber and gas exhaust systems.

Durability guaranteed

Our storage tanks are made of duplex 2205 stainless steel to ensure maximum resistance to corrosion, even in the most demanding water conditions.

HYBRID HEAT PUMPS

FUSION HYBRID OIL

HYBRID AIR SOURCE HEAT PUMP FOR HEATING, COOLING AND HOT WATER



- → **High domestic hot water (DHW) production**
- → **Stainless steel storage tank**
- → **High-performance backup diesel generator**

R32
REFRIGERANT

DOMUSA
TEKNIK

COMBINE THE BEST OF EACH TECHNOLOGY





Water supply temperature at 80ºC

The Fusion Hybrid Oil can replace a current boiler in a short period of time by using the elements of the previous installation (fuel tank, chimney stack, etc.) or by making simple changes.

Fixed costs

The electrical power of the outdoor unit can be adjusted to lower levels than those of a traditional air source energy pump. This reduces costs by avoiding contracting unnecessary high levels of electrical power and using backup electrical resistors.

Comfort guaranteed

Constant temperature

No matter how extreme winter temperatures may be, the indoor temperature will always be under control.

As the temperature outdoors drops, the backup will start up, thereby improving performance and keeping the temperature comfortable at all times.

Lower consumption

More savings

The Fusion Hybrid Oil reduces home energy consumption by using the energy in the ambient air. If outdoor temperatures drop, resulting in less energy accumulated in the air, the backup generator provides the necessary energy to make the system more efficient.

The hybrid air source heat pump uses all the air source energy to generate heating or cooling or to heat domestic hot water.

HYBRID HEAT PUMPS

FUSION HYBRID GAS CONDENS

HYBRID AIR SOURCE HEAT PUMP FOR HEATING, COOLING AND HOT WATER

- → **High domestic hot water (DHW) production**
- → **Stainless steel storage tank**
- → **Condensation gas backup generator**



R32 REFRIGERANT

DOMUSA TEKNIK

COMBINE THE BEST OF EACH TECHNOLOGY





Water supply temperature at 80ºC

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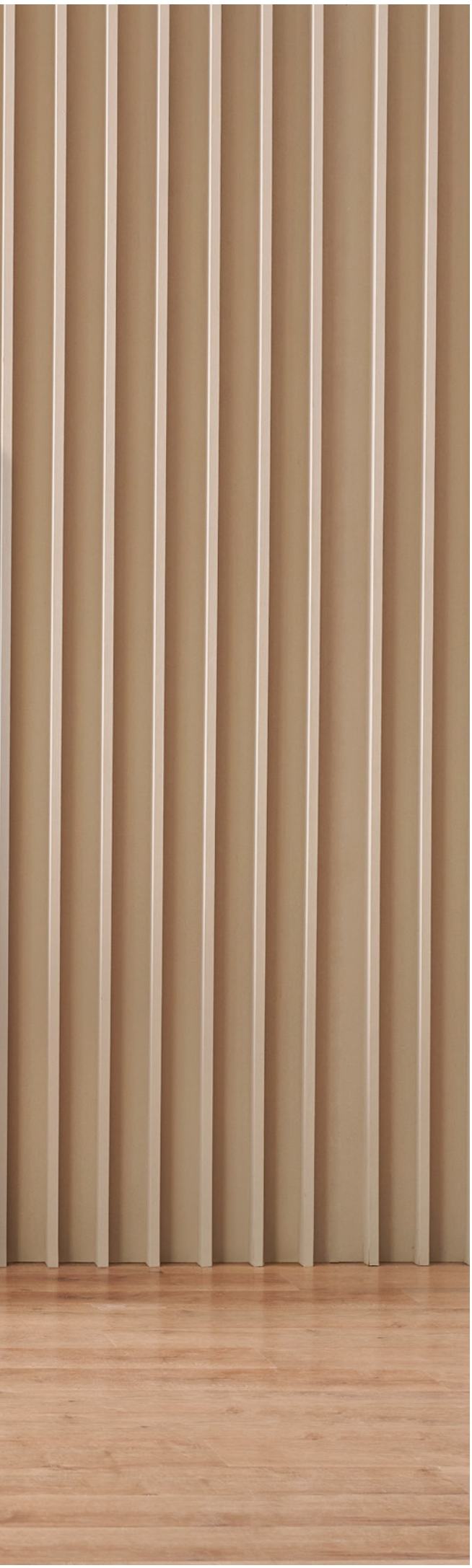
The hybrid air source heat pump uses all the air source energy to generate heating or cooling or to heat domestic hot water.

INDOOR MODULES

AND OTHER
ACCESSORIES



DOMUSA
TEKNIK



BECAUSE EVERY HOME IS UNIQUE

Our accessories enable our equipment to adapt to the needs of any home

INDOOR MODULES, page 18
ACQUA RANGE
FUSION RANGE

OTHER ACCESSORIES, page 24
EASY CONNECT
BT 50
BT 100-250
BT DUO HE
BT TRIO
SANIT HE
SANIT HE DS

HYDRAULIC ACCESSORIES, page 26
AIR KITS

INDOOR MODULES, FOR INSTALLATION OUTDOORS AND UNEQUIPPED MODELS

ACQUA RANGE

The ACQUA indoor units provide a wide range of solutions that adapt to any space requirements and situations in your home. Intended to replace existing boilers or for new construction projects.

- Floor-mounted (SE), wall-mounted (ME) or installed outdoors (OD).
- For heating, cooling and DHW or heating and DHW.
- Integrated buffer tank.
- Stainless steel DHW tank.
- Fully equipped (except the ACQUA TRIO 110, unequipped model).
- Optional additional backup heating element for summer mode.
- iConnect module included as standard in EC models.



ACQUA TRIO/DUO ME
ACQUA TRIO/DUO ME EC*



ACQUA TRIO 110



ACQUA TRIO/DUO SE
ACQUA TRIO/DUO SE EC*



ACQUA TRIO 170 OD

MODELS

ACQUA TRIO/DUO ME
Wall-mounted models for heating, cooling and DHW (TRIO) or for heating and DHW (DUO).

ACQUA TRIO/DUO SE
Floor-mounted models for heating, cooling and DHW (TRIO) or for heating and DHW (DUO).

ACQUA TRIO 170 OD
Equipped with reinforced insulation for outdoor installation.

ACQUA TRIO 110
This model is not equipped, ideal for installation that require a more personalised configuration.
Vertical, wall-mounted installation

COMPATIBILITY	DUAL CLIMA HT	DUAL CLIMA HT EC
ACQUA	•	
ACQUA EC		•

CHARACTERISTICS

STAINLESS

Stainless Steel Storage Tank

The domestic hot water (DHW) storage tank is made of high-quality stainless steel and equipped with a heat exchanger designed specifically for air source energy solutions. The high transmission coefficient of this material combines high domestic hot water (DHW) production capacity with excellent resistance to corrosion.



ACQUA TRIO/DUO ME
ACQUA TRIO/DUO ME EC*

Lower carbon footprint

Its dimensions and careful finish make it a perfect fit in any available space in the room.



ACQUA TRIO/DUO ME
ACQUA TRIO/DUO ME EC*

Easy to install

All the appliances necessary to provide domestic hot water (DHW) heating and cooling. It is connected to the outdoor unit by water pipes, does not require handling refrigerant gases and includes all the automatic controls needed to operate the various components in the installation.

Space-saving

The design of our indoor units, combined with efficiency in the generation of domestic hot water (DHW), ensures that the distribution of available space is never an obstacle. The advanced engineering of the ACQUA units optimise each centimetre, using all the available space for its true purpose.



ACQUA TRIO 170 OD

* EC RANGE

This option offers greater capacity and simplifies the installation.
(More information on page 5).

Fusion Range

Hydraulic module for cold, heat and domestic hot water for DUAL CLIMA heat pumps

- Integrated hydraulic module.
- Stainless steel DHW tank.
- Completely equipped.
- Integrated buffer tank (FUSION TRIO).
- Easy, all-in-one installation.



FUSION / FUSION EC*
FUSION TRIO / FUSION EC TRIO*

MODELS

FUSION
Fully equipped hydraulic module.

FUSION TRIO
Fully equipped hydraulic module with integrated buffer tank

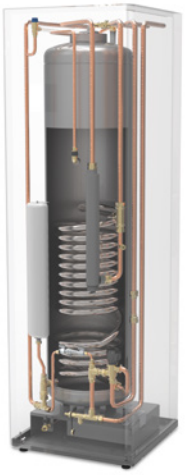
COMPATIBILITY	DUAL CLIMA R	DUAL CLIMA HT	DUAL CLIMA R EC*	DUAL CLIMA HT EC*
FUSION	•	•		
FUSION EC*			•	•
FUSION TRIO	•	•		
FUSION EC TRIO*			•	•

CHARACTERISTICS

STAINLESS

Stainless Steel Storage Tank

The domestic hot water (DHW) storage tank is made of high-quality stainless steel and equipped with a heat exchanger designed specifically for air source energy solutions. The high transmission coefficient of this material combines high domestic hot water (DHW) production capacity with excellent resistance to corrosion.



FUSION
FUSION EC*

Lower carbon footprint

Its dimensions and careful finish make it a perfect fit in any available space in the room.

Easy to install

All the appliances necessary to provide domestic hot water (DHW) heating and cooling. It is connected to the outdoor unit by water pipes, does not require handling refrigerant gases and includes all the automatic controls needed to operate the various components in the installation. A notable feature is the high-density polyurethane that covers the DHW storage tank and the buffer tank. In addition, the Fusion Trio module can be controlled from the control panel.



FUSION TRIO
FUSION EC TRIO*

Integrated buffer tank

A notable feature is the high-density polyurethane that covers the DHW storage tank and the buffer tank. In addition, the Fusion Trio module can be controlled from the control panel.

* EC RANGE

This option offers greater capacity and simplifies the installation.
(More information on page 5).

Fusion Range

Hybrid modules to combine Dual Clima air source heat pumps with existing generators

- Compatible with any type of boiler.
- Compact.
- Automatic energy selection function, depending on outdoor temperature.
- Heating up to 80ºC.
- Heating and cooling.



WALL-MOUNTED 50L
FUSION COMBI / FUSION EC COMBI*
FUSION HEAT / FUSION EC HEAT*



FLOOR-MOUNTED 80L
FUSION COMBI
FUSION EC COMBI*

MODELS

FUSION COMBI

Fully equipped hydraulic module.

Fully equipped hydraulic module with backup heating element socket.

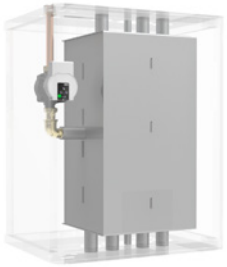
FUSION HEAT

COMPATIBILITY	DUAL CLIMA R	DUAL CLIMA HT	DUAL CLIMA R EC*	DUAL CLIMA HT EC*
FUSION COMBI	•	•		
FUSION EC COMBI*			•	•
FUSION HEAT	•	•		
FUSION EC HEAT*			•	•

CHARACTERISTICS

Ideal to install air source alongside the existing boiler and emission equipment

The ideal solution to combine DUAL CLIMA air source heat pumps with existing boilers and radiators in the installation, while ensuring comfort and lowering installation costs. Equipped with an buffer tank especially designed to combine with the installed boiler. Its electronic controller ensures all the advantages of comfort and savings provided by hybrid air source energy systems.



WALL-MOUNTED 50L
FUSION COMBI / FUSION EC COMBI*
FUSION HEAT / FUSION EC HEAT*

2 installation options: wall and floor

Two models are available to facilitate placement and simplify installation; one has been designed to be mounted on the floor, while the other can be wall-mounted, an ideal solution to combine with existing wall-mounted boilers in small spaces.



FLOOR-MOUNTED 80L
FUSION COMBI
FUSION EC COMBI*

CFC-free, high-density injected polyurethane insulation

The high level of insulation in the tank and hydraulic connections reduces energy loss so the FUSION COMBI can be used for both heating and cooling.

* EC RANGE

This option offers greater capacity and simplifies the installation.
(More information on page 5).

Easy Connect connection module (EC)

MODULE iConnect
INCLUDED AS STANDARD IN EC MODELS

A control unit that facilitates installation and expands the performance features of the DUAL CLIMA EC.



FUNCTIONS

CASCADE CONTROL

If several appliances have to be combined to achieve the necessary power for the installation, EASY CONNECT is the perfect solution to manage the operation sequence for both heating and cooling.

MOD BUS CONNECTION WITH THE OUTDOOR UNIT

Enables connection with two E-BUS communication cables, which simplifies the installation considerably.

CONNECTION FOR INSTALLATION COMPONENTS

EASY CONNECT comes with electrical supply outputs and sensor inputs to manage the necessary components in a domestic hot water, heating and cooling installation.

HUMIDITY SENSOR CONNECTION

Ideal for underfloor cooling installations in high relative humidity environments.

CONNECTION FOR PHOTOVOLTAIC INSTALLATIONS

Adding an EASY CONNECT to the DUAL CLIMA optimises the surpluses of photovoltaic installations and increases the capacity to accumulate energy in the installation.

CONTROLLING HEATING AND/ OR COOLING AREAS

EASY CONNECT has outputs and inputs to control 2 installation areas at different temperatures or during different time periods.

BT buffer tanks and Sanit hot water storage tanks



NEW MODELS IN STAINLESS STEEL

BT 50

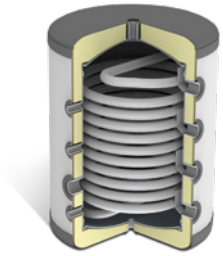
Buffer tank
- Primary storage
- High-density polyurethane insulation.
- Capacities: 50 L



NEW MODELS IN STAINLESS STEEL

BT 100-250

Buffer tank
- Primary storage
- High-density polyurethane insulation.
- Capacities: 100 - 150 - 200 - 250 L



BTS 100-150

Buffer tank with separator
- Primary storage tank
- For cooling and heating.
- Capacities: 100 AND 150 L



BT DUO HE

Buffer tank
- Primary and domestic hot water (DHW) storage.
- For heating.
- Capacities: 180/60 L



BT TRIO

Buffer tank
- Primary and domestic hot water (DHW) storage.
- For cooling and heating with stainless steel DHW storage tank.
- Capacities: 200/50 - 200/80 L



Sanit HE

DHW storage tank for air source heat pump
- Stainless steel.
- Single exchange.
- Capacities: 150 - 200 - 300 L



Sanit HE DS

DHW storage tank for air source heat pump
- Stainless steel.
- Double heating coil exchange system for backup energy.
- Capacities: 200 - 300 L

Air Kits

Only compatible with this module iConnect

The AIR KITS are included with the heat pump to manage the circuits in the home and facilitate installation.



AIR M Kit

Kit with collectors for a combined circuit.



AIR DM KIT

Kit with collectors for a direct circuit and a combined circuit.



AIR 2D KIT

Kit with collectors for 2 direct circuits.



AIR 2DM Kit

Kit with collectors for 2 direct circuits and one combined circuit.



AIR BM KIT

Kit with a needle for a combined circuit.



AIR BD KIT

Kit with a needle for a direct circuit.



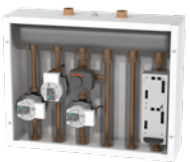
AIR BDM Kit

Kit with a needle for a direct circuit and a combined circuit.



AIR B2D KIT

Kit with a needle for 2 direct circuits.



AIR B2DM KIT

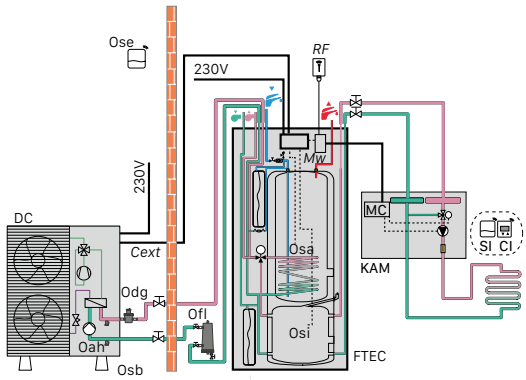
Kit with a needle for 2 direct circuits and one combined circuit.

DIAGRAMS

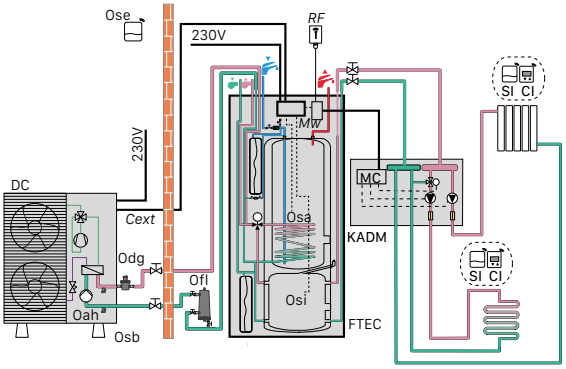
Combined circuit | Domestic hot water | Direct circuit | Hot water buffer tank | Buffer tank | Hydraulic needle

DUAL CLIMA HT EC PRO / R EC with FUSION TRIO EC

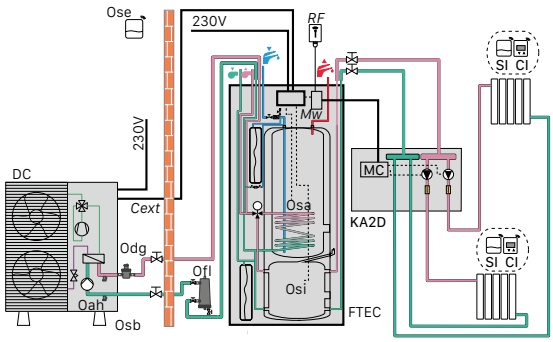
DUAL CLIMA HT EC PRO / R EC + FUSION TRIO EC + AIR M KIT



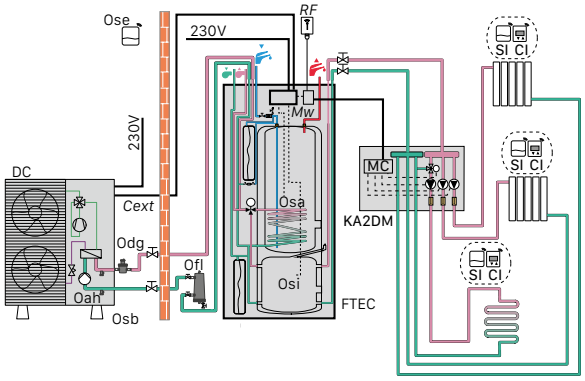
DUAL CLIMA HT EC PRO / R EC + FUSION TRIO EC + AIR DM KIT



DUAL CLIMA HT EC PRO / R EC + FUSION TRIO EC + AIR 2D KIT



DUAL CLIMA HT EC PRO / R EC + FUSION TRIO EC + AIR 2DM KIT

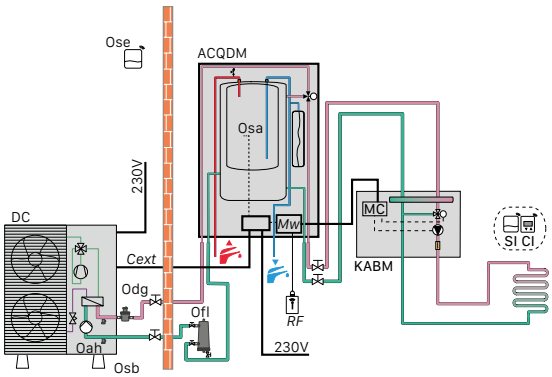


Product Names

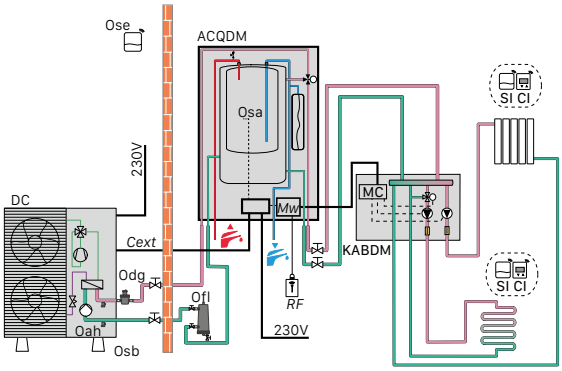
ACQDM	ACQUA DUO ME EC	**KAB2D**	Air B2D Kit	**Odg**	Degassifier
ACQTM	ACQUA TRIO ME EC	**KAB2DM**	Air B2DM Kit	**Ofl**	Magnetic filter
Cext	Communications cable	**KABD**	Air BD Kit	**Osa**	DHW sensor
CI	Wireless Control	**KABDM**	Air BDM Kit	**Osb**	Silent block
DC	DUAL CLIMA HT EC PRO/ R EC	**KABM**	Air BM Kit	**Ose**	Outdoor temperature sensor
FEC	FUSION EC	**KADM**	Air DM Kit	**Osi**	Buffer sensor
FTEC	FUSION TRIO EC	**KAM**	Air M Kit	**RF**	Receiver
KA2D	Air 2D Kit	**MC**	Control card	**SI**	Wireless sensor
KA2DM	Air 2DM Kit	**Mw**	WiFi card		

DUAL CLIMA HT EC PRO / R EC with ACQUA DUO ME / SE EC

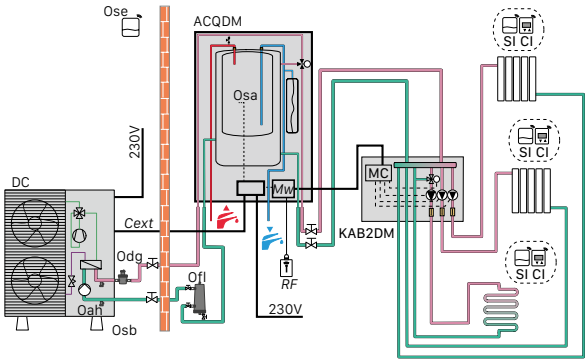
DUAL CLIMA HT EC PRO / R EC + ACQUA DUO ME EC + AIR BM KIT



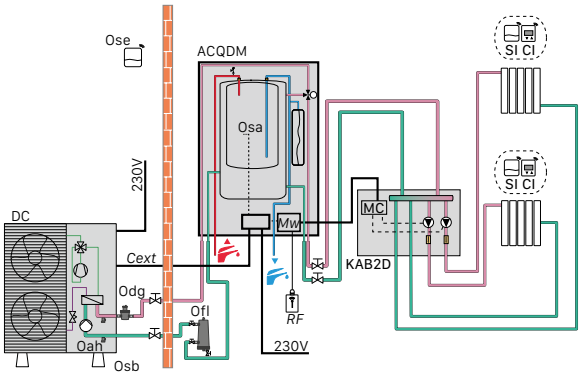
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DUAL CLIMA HT EC PRO / R EC + ACQUA DUO ME EC + AIR B2DM KIT

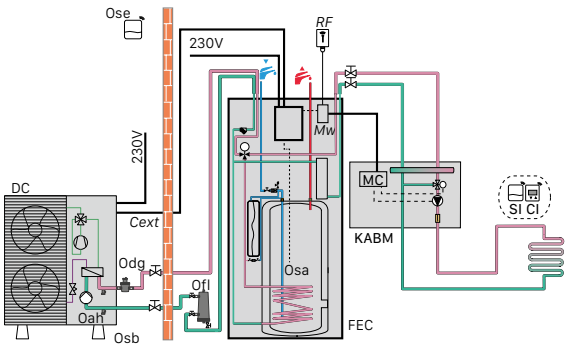


DUAL CLIMA HT EC PRO / R EC + ACQUA DUO ME EC + AIR B2D KIT

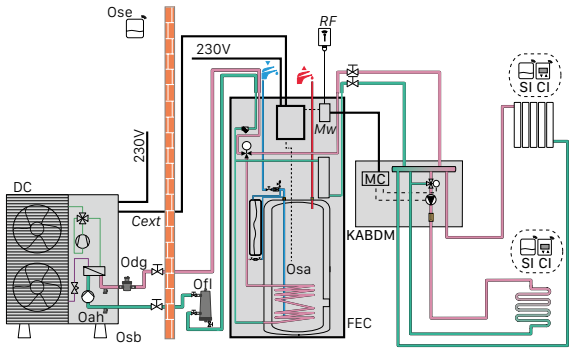


DUAL CLIMA HT EC PRO / R EC with FUSION EC

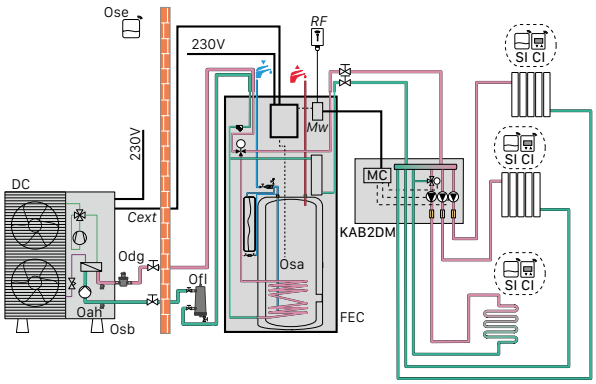
DUAL CLIMA HT EC PRO/ R EC + FUSION EC + AIR BM KIT



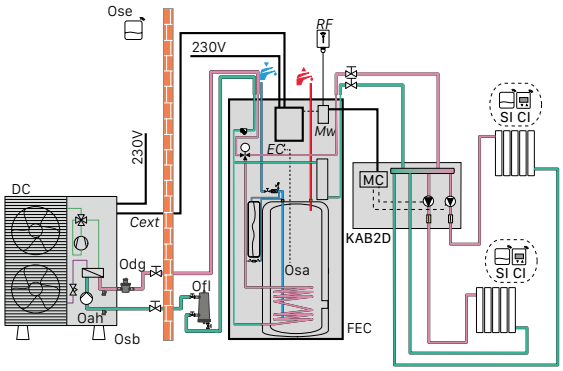
DUAL CLIMA HT EC PRO / R EC + FUSION EC + AIR BDM KIT



DUAL CLIMA HT EC PRO / R EC
+ FUSION EC
+ AIR B2DM KIT

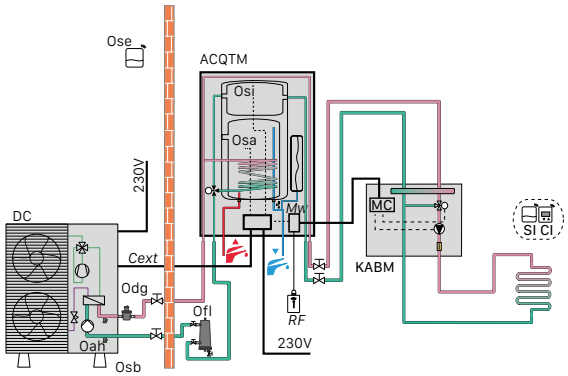


DUAL CLIMA HT EC PRO / R EC
+ FUSION EC
+ AIR B2D KIT

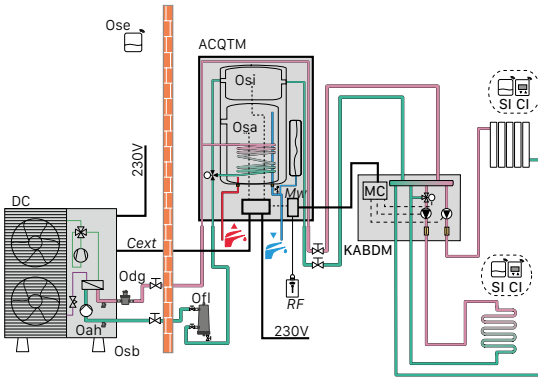


DUAL CLIMA HT EC PRO/R EC with ACQUA TRIO ME/SE EC

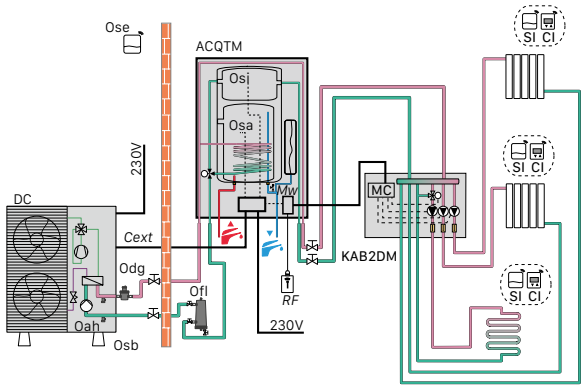
DUAL CLIMA HT EC PRO / R EC
+ ACQUA TRIO ME EC
+ KIT AIR BM



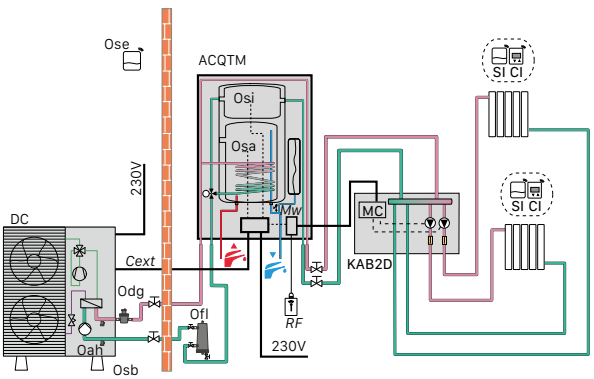
DUAL CLIMA HT EC PRO / R EC
+ ACQUA TRIO ME EC
+ KIT AIR BDM



DUAL CLIMA HT EC PRO / R EC
+ ACQUA TRIO ME EC
+ AIR B2DM KIT



DUAL CLIMA HT EC PRO / R EC
+ ACQUA TRIO ME EC
+ AIR B2D KIT



Technical characteristics

AIR SOURCE HEAT PUMPS MONOBLOCK

Dual Clima HT PRO / Dual Clima HT EC PRO, page 31
Dual Clima R / Dual Clima R EC, page 32

AIR SOURCE HEAT PUMPS FOR DHW

Hydrea, page 33

HYBRID AIR SOURCE ENERGY SYSTEMS

Fusion Hybrid Oil, page 34
Fusion Hybrid Gas Condens, page 35

HYDRAULIC MODULES

ACQUA TRIO OD, page 38
ACQUA, page 38
EASY CONNECT, page 38
FUSION COMBI / FUSION HEAT, page 39
FUSION, page 40
FUSION TRIO, page 40

BUFFER TANKS

BT 50, page 42
BT 100-150, page 42
BT 100-200, page 42
BT DUO HE, page 42
BT TRIO, page 42

DHW STORAGE TANKS FOR AIR SOURCE HEAT PUMP

SANIT HE, page 43
SANIT HE DS, page 43



Dual Clima HT PRO
Dual Clima HT EC PRO

Manufactured in SPAIN

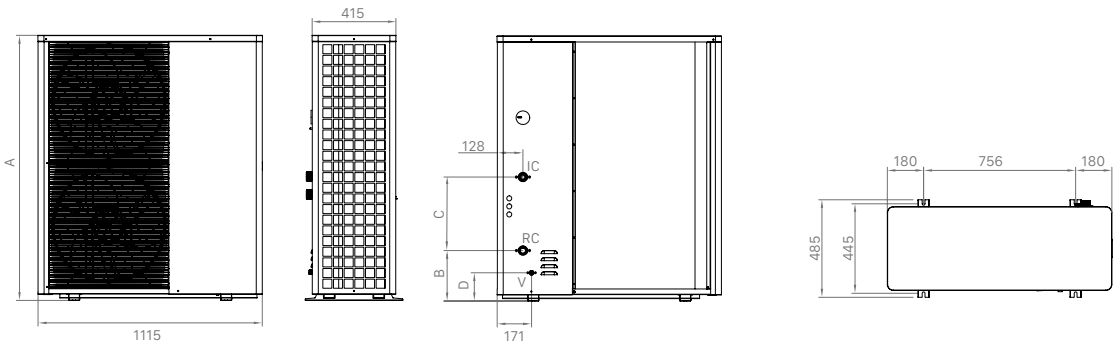
SPECIFICATIONS

TECHNICAL CHARACTERISTICS			DUAL CLIMA 6HT PRO / DUAL CLIMA 6HT EC PRO	DUAL CLIMA 9HT PRO / DUAL CLIMA 9HT EC PRO	DUAL CLIMA 12HT PRO / DUAL CLIMA 12HT EC PRO	DUAL CLIMA 16HT PRO / DUAL CLIMA 16HT EC PRO	DUAL CLIMA 19HT PRO / DUAL CLIMA 19HT EC PRO	DUAL CLIMA 12 HTT PRO / DUAL CLIMA 12HTT EC PRO	DUAL CLIMA 16HTT PRO / DUAL CLIMA 16HTT EC PRO	DUAL CLIMA 19HTT PRO / DUAL CLIMA 22HTT EC PRO	DUAL CLIMA 22HTT PRO / DUAL CLIMA 22HTT EC PRO
Maximum current consumption		A	12	13.7	17	27	30.4	5.7	9.4	11.2	12.2
SCOP Warm climate zone	SCOP 35C		5.06	5.1	5.17	5.21	5.2	5.17	5.21	5.20	5.15
	ηs 35		199.5	201	203.8	205.5	205	203.8	205.50	205	203
	SCOP 55C		3.87	3.89	4	4.01	3.98	4	4.01	3.98	3.98
	ηs 55		151.9	152.6	157	157.5	156.2	157	157.50	156.20	156.2
Rated heating output(7/35)		KW	6.19	6.34	12.60	16.84	19.52	12.60	16.84	19.52	22.66
Rated cooling output(35/18)		KW	6.23	9.12	11.80	15.09	18.62	11.80	15.09	18.62	21.02
Electrical protection		-	IPX4								
Pump		-	Air/Water, Inverter, Monoblock								
Application		-	Heating, Cooling and DHW								
Refrigerant			R290								
Amount of refrigerant		KG	0.8	0.85	1.2	1.4	1.9	1.2	1.4	1.9	2
Electrical supply			230 V ~ 50 Hz					380-415V/3~/50Hz			
Rated heating consumption (7/35)		KW	1.33	2.03	2.72	3.41	4.2	2.72	3.41	4.2	5.2
Cooling power consumption (35/18)		KW	1.42	2.28	2.88	3.97	4.65	2.88	3.97	4.65	5.67
Noise level (5 m)		db(A)	42	47	44	48	49	44	48	49	50
Maximum outlet temperature		°C	75								
Heating temperature operating range		°C	-25/45								
Cooling temperature operating range °C		°C	10/45								
Maximum volume flow		m3/h	1.1	1.57	2.1	2.75	3.27	2.10	2.75	3.27	3.75

DIMENSIONS

	A	B	C	D
DUAL CLIMA 6HT PRO | DUAL CLIMA 6HT EC PRO	900	140	279	62
DUAL CLIMA 9HT PRO | DUAL CLIMA 9HT EC PRO	900	140	279	62
DUAL CLIMA 12HT PRO | DUAL CLIMA 12HT EC PRO	900	140	476	62
DUAL CLIMA 16HT PRO | DUAL CLIMA 16HT EC PRO	1,320	140	476	62
DUAL CLIMA 19HT PRO | DUAL CLIMA 19HT EC PRO	1,320	466	150	144
DUAL CLIMA 12HTT PRO | DUAL CLIMA 12HTT EC PRO	900	140	476	62
DUAL CLIMA 16HTT PRO | DUAL CLIMA 16HTT EC PRO	1,320	140	476	62
DUAL CLIMA 19HTT PRO | DUAL CLIMA 19HTT EC PRO	1,320	466	150	144
DUAL CLIMA 22HTT PRO | DUAL CLIMA 22HTT EC PRO	1,320	466	150	144

	6HT / 9HT / 12HT / 12HTT 6HT EC / 9HT EC / 12HT EC / 12HTT EC	16HT / 16HTT 16HT EC / 16HTT EC	19HT / 19HTT 19HT EC / 19HTT EC	22HTT 22HTT EC
IC: Heating / Cooling outlet	1"	1-1/4"	1-1/4"	1-1/4"
RC: Heating / Cooling Return	1"	1-1/4"	1-1/4"	1-1/4"
V: Water circuit drain	1/2"		1/2"	1/2"
HP. High Pressure gas circuit connection	1/4" SAE		1/4" SAE	1/4" SAE
LP. Low Pressure gas circuit connection	1/4" SAE		1/4" SAE	1/4" SAE



DUAL CLIMA R
DUAL CLIMA R EC

Manufactured in SPAIN

SPECIFICATIONS

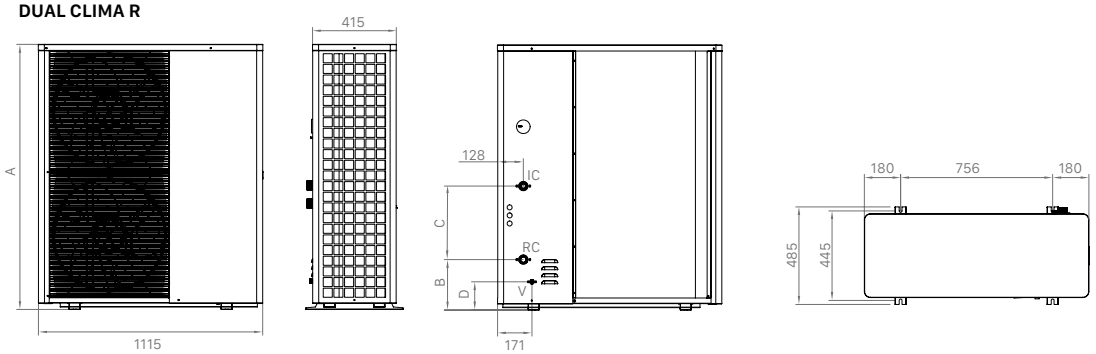
TECHNICAL CHARACTERISTICS		DUAL CLIMA 6R DUAL CLIMA 6R EC	DUAL CLIMA 9R DUAL CLIMA 9R EC	DUAL CLIMA 12R DUAL CLIMA 12R EC	DUAL CLIMA 16R DUAL CLIMA 16R EC	DUAL CLIMA 19R DUAL CLIMA 19R EC	DUAL CLIMA 16RT DUAL CLIMA 16RT EC	DUAL CLIMA 19RT DUAL CLIMA 19RT EC
Maximum current consumption	A	11	15	17	27	27	9.4	9.4
SCOP 35ºC warm climate zone		5.6	5.5	5.8	5.9	5.8	5.9	5.8
Maximum heating output (7/35)	kW	6.12	9.03	11.95	16.02	18.06	16.02	17.99
Maximum cooling output (35/18)	kW	6.25	8.99	11	14.85	17.82	14.85	17.82
Electrical protection		IPX4						
Pump		Air/Water, Inverter, Monoblock						
Application		Heating, Cooling and DHW						
Refrigerant		R32						
Amount of refrigerant	kg	1.4	1.4	2.1	3	3	3	3
Electrical supply		230 V ~ 50 Hz					400 V ~ 50 Hz	
Rated heating consumption (7/35)	kW	1.35	2.04	2.76	3.39	4.17	3.39	4.17
Cooling power consumption (35/18)	kW	1.54	2.41	3.8	3.97	4.92	3.97	4.92
Noise level	db(A)	46	48	49	51	52	51	52
Maximum outlet temperature	ºC	60						
Operating temperature range	ºC	-25/45						
Maximum volume flow	m^3/h	1.10	1.57	2.1	2.75	3.1	2.75	3.1

DIMENSIONS

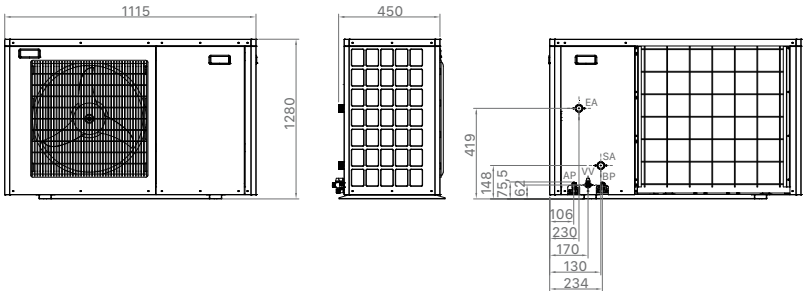
	A	B	C	D
DUAL CLIMA 6R DUAL CLIMA 6R EC	900	141	279	62
DUAL CLIMA 9R DUAL CLIMA 9R EC	900	141	279	62
DUAL CLIMA 12R DUAL CLIMA 12R EC	900	140	476	62
DUAL CLIMA 16R DUAL CLIMA 16R EC	1,320	140	476	62
DUAL CLIMA 19R DUAL CLIMA 19R EC	1,320	140	476	62

	6R / 9R / 12R 6R EC / 9R EC / 12R EC	16R / 16R EC	19R / 19R EC
IC: Heating / Cooling outlet	1"	1-1/4"	1-1/4"
RC: Heating / Cooling Return	1"	1-1/4"	1-1/4"
V: Water circuit drain	1/2"		1/2"
HP: High Pressure gas circuit connection	1/4" SAE		1/4" SAE
LP: Low Pressure gas circuit connection	1/4" SAE		1/4" SAE

DUAL CLIMA R



DUAL CLIMA RT



EA: Return 16RT and 19RT: 1-1/4"
SA: Flow 16RT and 19RT: 1-1/4"

DV: Drain valve (1/2")
HP: High pressure valve
LP: Low pressure valve

DOMUSA TEKNIK

Hydrea

SPECIFICATIONS

TECHNICAL CHARACTERISTICS	HYDREA 150	HYDREA 200	HYDREA 280	HYDREA 280 S
Solar coil	NO	NO	NO	YES
Operating range (°C)	35-70	35-70	35-70	35-70
Scop at 7°C	3.22	3.03	3.24	3.24
Refrigerant	R290/0.14 kg	R290/0.15 kg	R290/0.15 kg	R290/0.15 kg
Noise level (dB(A))	45	51	51	51
Maximum power (kW)	1.0 (+1.5*)	1.5 (+1.5*)	1.5 (+1.5*)	1.5 (+1.5*)
Air flow (m3/h)	270	290	290	290

MODEL	CAPACITY	DHW CHARACTERISTICS	INSTALLATION	ENERGY EFFICIENCY CLASS
HYDREA 150	150	L	Wall-mounted	A+
HYDREA 200	200	L	Floor-mounted	
HYDREA 280	280	XL	Floor-mounted	
HYDREA 280 S	280	XL	Floor-mounted	

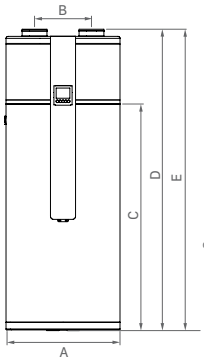
EQUIPMENT	HYDREA 150	HYDREA 200	HYDREA 280	HYDREA 280 S
Heat pump + DHW tank	•	•	•	•
Backup element 1.5 kW	•	•	•	•
Dieletric sleeves (2)	•	•	•	•
WiFi connectivity card	•	•	•	•

OPTIONS		
	DHW safety valve HH ½" - 7 bar	Shut-off valve with built-in retainer MH ½"

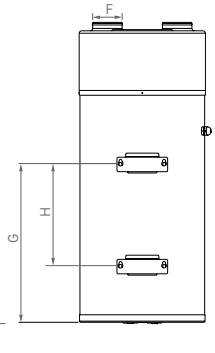
DIMENSIONS

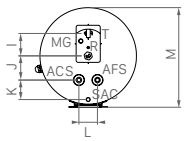
MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M
HYDREA 150	Ø560	280	1,105	1,475	1,480	Ø 120	885	635	120	130	105	100	615
HYDREA 200	Ø560	280	1,265	1,710	1,745	Ø 160	40	1,125	1,025	32	800	870	975
HYDREA 280	Ø600	320	1,510	1,955	1,990	Ø 160	40	1,370	1,270	32	950	970	1,150
HYDREA 280 S	Ø600	320	1,510	1,955	1,990	Ø 160	40	1,370	1,270	32	950	970	1,150

FRONT VIEW HYDREA 150

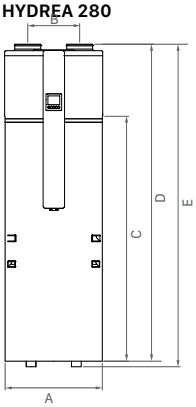


REAR VIEW HYDREA 150

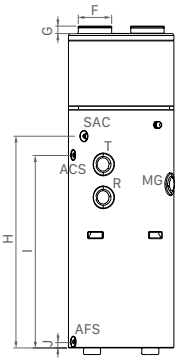




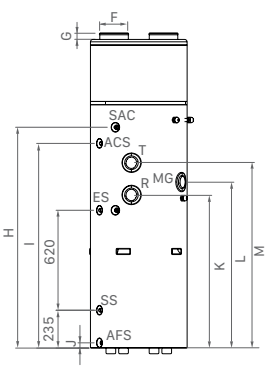
FRONT VIEW HYDREA 200 HYDREA 280



REAR VIEW HYDREA 200



REAR VIEW HYDREA 280



ACS: Domestic Hot Water (DHW) Output, 1/2"
DCW: Domestic Cold Water Intake, 1/2"
CWO: Condenser Water Output, 1/2"
T: Safety thermostat
R: Heating element
MG: Magnesium anode connection

ACS: Domestic Hot Water (DHW) Output, 3/4"
DCW: Domestic Cold Water Intake, 3/4"
CWO: Condenser Water Output, 1/2"
T: Safety thermostat
R: Heating element
MG: Magnesium anode connection
ES: Solar intake
SS: Solar output

FUSION HYBRID OIL

SPECIFICATIONS

TECHNICAL CHARACTERISTICS		FUSION HYBRID OIL 9/165	FUSION HYBRID OIL 12/165
Temp. limit in water heating mode	ºC	80	
Temp. limit for domestic hot water (DHW)	ºC	70	
Electric power		- ~220-230 V - 50 Hz - 200 W	
Maximum heating operation pressure	bar	3	
Heating expansion vessel capacity	L	7.5 2	
DHW efficiency class		A	

OUTDOOR MODULE

Efficiency class 35°C / 55°C Range A+++ - D	-	A+++ / A++	A+++ / A++
Rated heating capacity	kW	9.03	11.95
Rated cooling capacity	kW	8.99	11
Heating power consumption	kW	2.04	2.76
Cooling power consumption	kW	2.41	3.8
COP (Air 7ºC, Water 35ºC)	-	4.44	4.32
Maximum current consumption	A	15	17
Refrigerant	-	R32	R32
Amount of refrigerant	Kg	1.4	2.1
Noise level (LP)	dB(A)	48	49

INDOOR MODULE

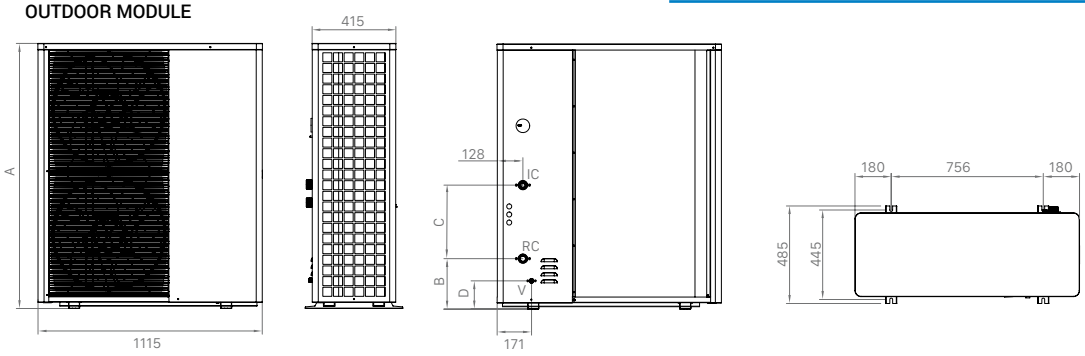
DHW storage tank volume	L		165
Buffer tank volume	L		50
Generator type			Low Temperature
Useful heat output	kW		28.1
Useful heat output 30%	kW		8.9
Seasonal heating energy efficiency	%		86
Heat loss in standby mode	Pstby	kW	0.106
Nitrogen oxide emissions	NOx	mg/kWh	85
Flue gas mass flow rate	Kg/s		0.0132
Flue gas loss	mbar		0.17

DIMENSIONS

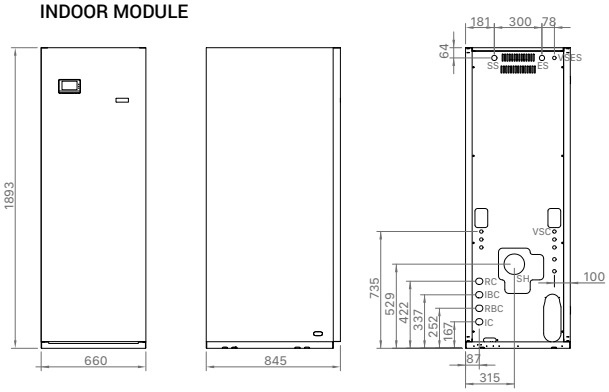
	A	B	C	D
FUSION HYBRID OIL 9/165	900	141	279	62
FUSION HYBRID OIL 12/165	900	140	476	62

IC: Heating / Cooling outlet	1"
RC: Heating / Cooling Return	1"
V: Water circuit drain	1/2"
HP: High Pressure gas circuit connection	1/4" SAE
LP: Low Pressure gas circuit connection	1/4" SAE

OUTDOOR MODULE



INDOOR MODULE



VSC: Heating safety valve
RC: Return
IBC: Air source heat pump outlet
RBC: Air source heat pump return
IC: Incoming
SS: DHW outlet
ES: DHW intake
VSES: DHW safety valve
SH: Fume exhaust

DOMUSA TEKNIK

FUSION HYBRID GAS CONDENS

SPECIFICATIONS

TECHNICAL CHARACTERISTICS		FUSION HYBRID GAS CONDENS 6/165	FUSION HYBRID GAS CONDENS 9/165	FUSION HYBRID GAS CONDENS 12/165
DHW storage tank volume	L	165	165	165
Temp. limit in water heating mode	°C		80	
Temp. limit for domestic hot water (DHW)	°C		70	
Electric power			- ~220-230 V - 50 Hz - 200 W	
Maximum heating operation pressure	bar		3	
Heating expansion vessel capacity	L		8 2	
DHW efficiency class			A	

OUTDOOR MODULE

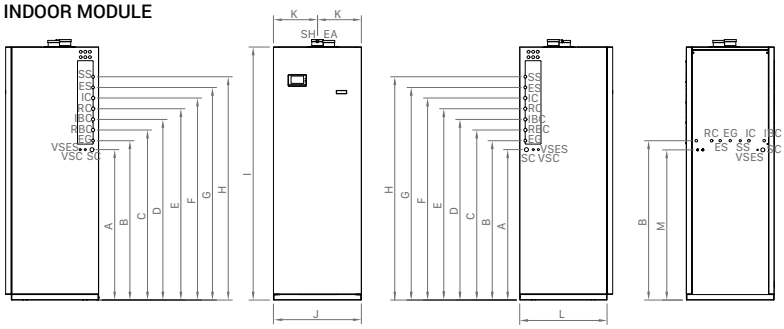
Efficiency class 35°C / 55°C Range A+++ - D	-	A+++ / A++	A+++ / A++	A+++ / A++
Rated heating capacity	kW	6.12	9.03	11.95
Rated cooling capacity kW	6.1	6.25	8.99	11
Heating power consumption	kW	1.35	2.04	2.76
Cooling power consumption	kW	1.54	2.41	3.8
COP (Air 7°C, Water 35°C)	-	4.54	4.44	4.32
Maximum current consumption	A	11	15	17
Refrigerant	-	R32	R32	R32
Amount of refrigerant	Kg	1.4	1.4	2.1
Noise level (LP)	dB(A)	46	48	49

INDOOR MODULE

Buffer tank volume	L	50		
Gas type		G20	G25	G31
Pre-mix system		Gas Adaptive		
Modulation range		1:10		
Combustion chamber material		Stainless steel		
Seasonal heating energy efficiency (ηs)	%	92 (Class A)		
Useful rated heating output (Max.) (80/6°C)	kW	23.7	23.7	23.7
Useful rated heating output (Min.) (80/60°C)	kW	3.2	3.2	3.2
Useful rated condensation output (Max.) (50/30°C)	kW	25.3	25.3	25
Useful rated condensation output (Min.) (50/30°C)	kW	3.6	3.6	3.5
Nox Class		6		
Type		B23, B23P, B33, C13, C33, C53, C63, C83, C93		

DIMENSIONS

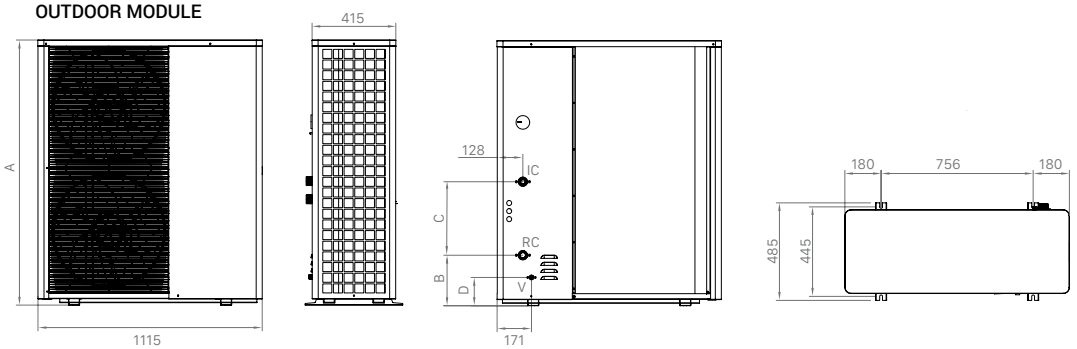
INDOOR MODULE



IC: Heating/Cooling outlet, Ø22 1" M
RC: Heating/Cooling Return, Ø22 1" M
IBC: Air Source Heat Pump Intake, Ø22 1" M
RBC: Air Source Heat Pump Return, Ø22 1" M
EG: Gas intake 3/4" M
ES: Domestic cold water DCW Intake 3/4" M
SS: Domestic hot water DHW Output 3/4" M
VSES: Heating safety valve -
SC: Condensate outlet -
SH: Fume exhaust Ø80
EA: Air intake Ø80

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
FUSION HYBRID GAS CONDENS 6/165	1,130	1,200	1,280	1,360	1,440	1,520	1,600	1,680	1,900	660	330	690	1125	255	190	75
FUSION HYBRID GAS CONDENS 9/165	1,130	1,200	1,280	1,360	1,440	1,520	1,600	1,680	1,900	660	330	690	1125	255	190	75
FUSION HYBRID GAS CONDENS 12/165	1,130	1,200	1,280	1,360	1,440	1,520	1,600	1,680	1,900	660	330	690	1125	255	190	75

OUTDOOR MODULE



	A	B	C	D
FUSION HYBRID GAS CONDENS 6/165	900	141	279	62
FUSION HYBRID GAS CONDENS 9/165	900	141	279	62
FUSION HYBRID GAS CONDENS 12/165	900	140	476	62

IC: Heating / Cooling outlet	1"
RC: Heating / Cooling Return	1"
V: Water circuit drain	1/2"
HP: High Pressure gas circuit connection	1/4" SAE
LP: Low Pressure gas circuit connection	1/4" SAE

MODULE iConnect
INCLUDED AS STANDARD IN EC MODELS

ACQUA TRIO ME

RENEWABLE AS PER CTE SCOP DHW >2.5

MODEL	INSTALLATION	DHW VOLUME L	BUFFER VOLUME L	APPLICATION	ENERGY EFFICIENCY CLASS
ACQUA TRIO ME 110	Vertical wall-mounted	85	20	Heating, Cooling and DHW	C
ACQUA TRIO ME 110 EC *	Vertical wall-mounted	85	20		

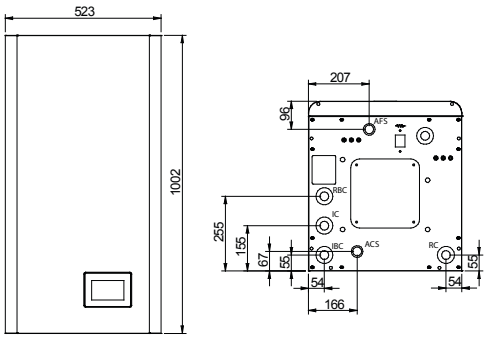
OPTIONS				
Electric heating element kit 1.5 kW	Energy meter (only for EC models)	CW sensor (only for EC models)	Cathodic protection kit	

ACQUA DUO ME

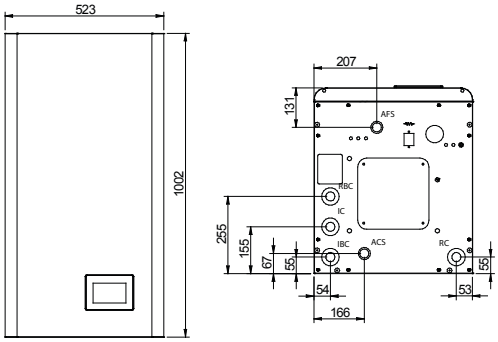
MODEL	INSTALLATION	DHW VOLUME L	BUFFER VOLUME L	APPLICATION	ENERGY EFFICIENCY CLASS
ACQUA DUO ME 110	Vertical wall-mounted	85	20	Heating and DHW	C
ACQUA DUO ME 110 EC *	Vertical wall-mounted	85	20		

OPTIONS		
Energy meter (only for EC models)	CW sensor (only for EC models)	Cathode protection kit

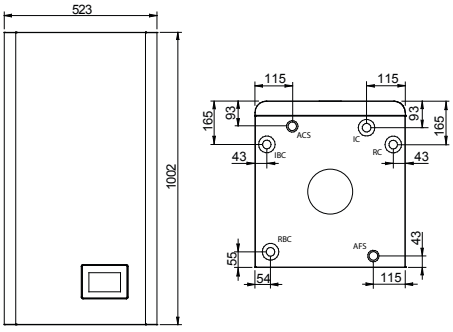
ACQUA TRIO ME 110



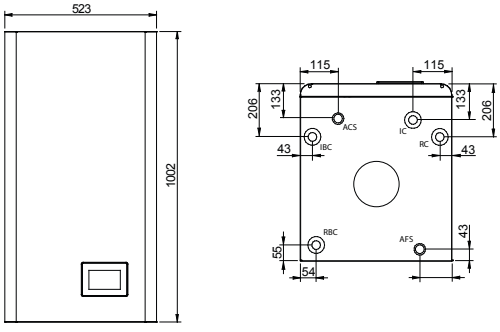
ACQUA TRIO ME 110 EC



ACQUA DUO ME 110



ACQUA DUO ME 110 EC



MODULE
iConnect
INCLUDED AS STANDARD IN EC MODELS

ACQUA TRIO SE

RENEWABLE AS PER CTE SCOP DHW >2.5

MODEL	INSTALLATION	DHW VOLUME L	BUFFER VOLUME L	APPLICATION	ENERGY EFFICIENCY CLASS
ACQUA TRIO ME 110	Floor-mounted	120	30	Heating, Cooling and DHW	C
ACQUA TRIO ME 110 EC *	Floor-mounted	120	30		

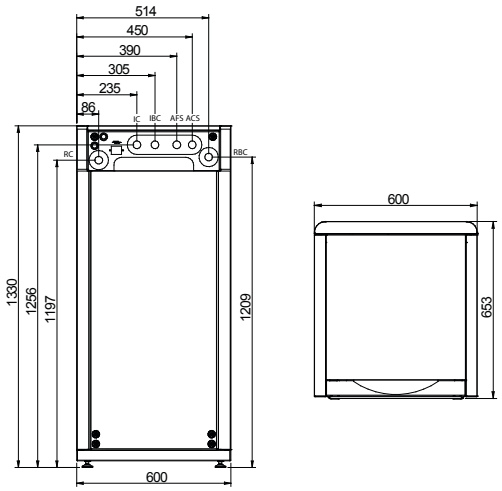
OPTIONS				
	Electric heating element kit 1.5 kW	Energy meter (only for EC models)	High-efficiency pump kit 15/7 insulated for installation	Cathode protection kit

ACQUA DUO SE

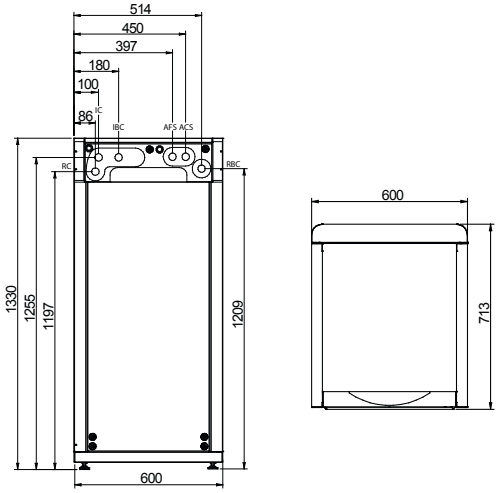
MODEL	INSTALLATION	DHW VOLUME L	BUFFER VOLUME L	APPLICATION	ENERGY EFFICIENCY CLASS
ACQUA DUO SE 170	Floor-mounted	120	30	Heating and DHW	C
ACQUA DUO SE 170 EC *	Floor-mounted	120	30		

OPTIONS				
	Energy meter (only for EC models)	CW sensor (only for EC models)	High-efficiency pump kit 15/7 insulated for installation	Cathode protection kit

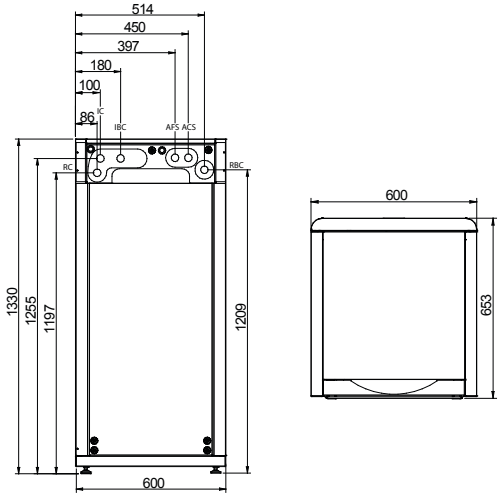
ACQUA TRIO SE 170



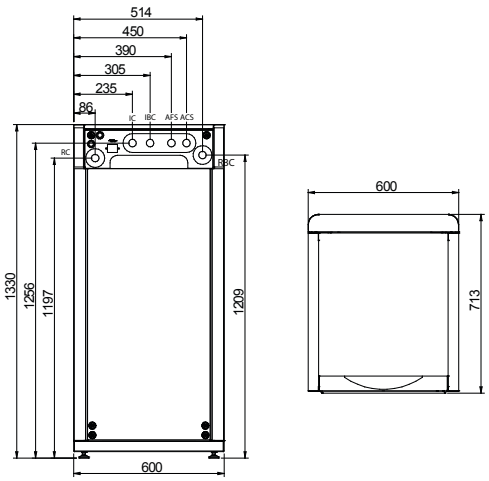
ACQUA TRIO SE 170 EC



ACQUA DUO SE 170 EC



ACQUA DUO SE 170 EC



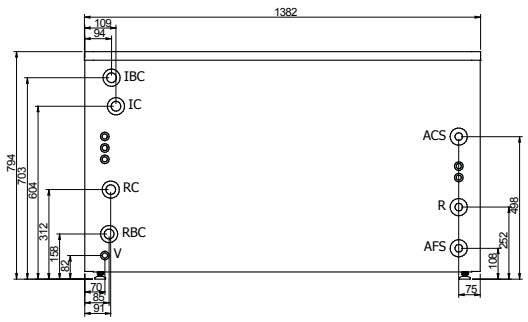
ACQUA TRIO OD

MODEL	INSTALLATION	DHW VOLUME L	BUFFER VOLUME L	APPLICATION	ENERGY EFFICIENCY CLASS
ACQUA TRIO OD	Floor-mounted	120	30	Heating, Cooling and DHW	B

OPTIONS			
	Electric heating element kit 1.5 kW	High-efficiency pump kit 15/7 with OD insulation	Cathode protection kit

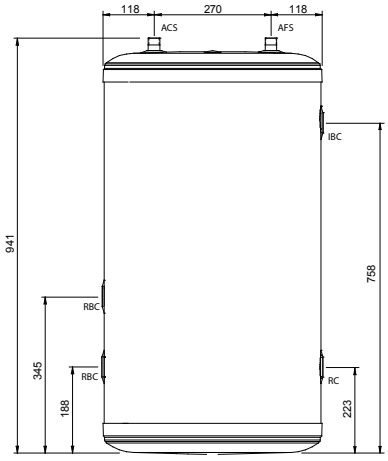
ACQUA TRIO 170 OD

REAR VIEW



ACQUA 110

FRONT VIEW



Acqua

RENEWABLE AS PER CTE SCOP DHW >2.5

MODEL	INSTALLATION	DHW VOLUME L	BUFFER VOLUME L	APPLICATION	ENERGY EFFICIENCY CLASS
ACQUA TRIO 110	Vertical wall-mounted	85	20	Heating, Cooling and DHW	C

OPTIONS				
	Electric heating element kit 1.5 kW (only for the TRIO model)	Three-way valve	Safety valve	Cathode protection kit

ACCESSORY

Easy Connect Connection Module

OPTIONS			
	Energy meter	Buffer tank sensor	CW sensor

THE EASY CONNECT MODULE ENABLES CONNECTING TO:	
Buffer tank sensor	Control over installation circulator
Outdoor temperature sensor	Cascade control for cold or heat
SG Ready	Energy meter input
Humidity sensor	

DIMENSIONS		
WIDTH	HEIGHT	DEPTH
470	330	113

MODULE iConnect INCLUDED AS STANDARD

FUSION COMBI

FUSION COMBI | FUSION COMBI EC

SPECIFICATIONS

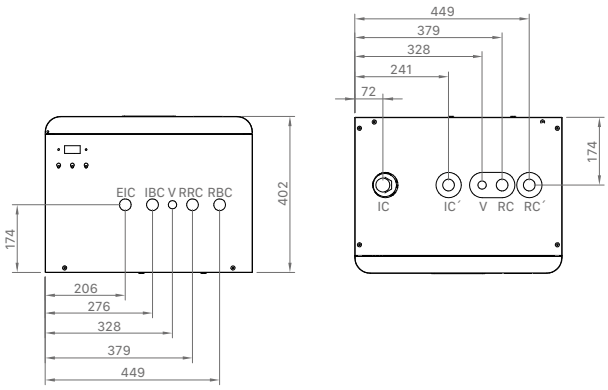
MODEL	APPLICATION	INSTALLATION	PRIMARY VOLUME	ENERGY EFFICIENCY CLASS
FUSION COMBI W 50	Heating / Cooling	Wall-mounted	50	C
FUSION COMBI F 80	Heating / Cooling	Floor-mounted	80	
FUSION COMBI EC W 50	Heating / Cooling	Wall-mounted	50	
FUSION COMBI EC F 80	Heating / Cooling	Floor-mounted	80	

EQUIPMENT	FUSION COMBI		FUSION COMBI EC	
	W 50	F 80	W 50	F 80
High-efficiency circulation pump	•	•	•	•
Filter	•	•	•	•
Buffer tank	•	•	•	•
Energy meter input			•	•
Humidity sensor input			•	•
Control over installation circulator			•	•
Cascade control for cold or heat			•	•
SG Ready			•	•
Air vent		•		•
Drain valve		•		•
Buffer tank sensor			•	•
Outdoor temperature sensor			•	•

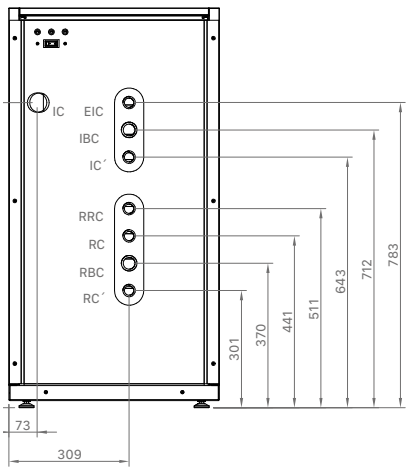
OPTIONS	FUSION COMBI EC	
	W 50	F 80
Energy meter	•	•
Buffer tank sensor	•	•
CW sensor	•	•

DIMENSIONS

FUSION COMBI W 50
FUSION COMBI EC W 50



FUSION COMBI F 80
FUSION COMBI EC F 80



IC: Heating/Cooling outlet (M 1")
RC: Heating/Cooling Return (M 1")
EIC: Entry from boiler intake (F 1")
RRC: Return from boiler return (F 1")
IC´: Heating/Cooling installation intake (F 1")
RC´: Heating/Cooling installation return
IBC: Air Source Heat Pump Intake (F 1")
RBC: Air Source Heat Pump Return (F 1")
V: Drain/Bleeding (F 3/8")

IC: Heating/Cooling outlet (M 3/4")
RC: Heating/Cooling Return (M 3/4")
EIC: Entry from boiler intake (M 3/4")
RRC: Return from boiler return (M 3/4")
IC´: Heating/Cooling installation intake (M 3/4")
RC´: Heating/Cooling installation return (M 3/4")
IBC: Air Source Heat Pump Intake (M 1")
RBC: Air Source Heat Pump Return (M 1")

	WIDTH	HEIGHT	DEPTH
FUSION COMBI W 50	534	711	402
FUSION COMBI F 80	540	1025	594
FUSION COMBI EC W 50	534	710	427
FUSION COMBI EC F 80	540	1025	595

FUSION

FUSION | FUSION EC

SPECIFICATIONS

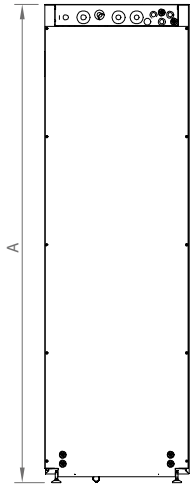
MODEL	DHW VOLUME L	APPLICATION	EXHANGE SURFACE M²	ENERGY EFFICIENCY CLASS
FUSION 150	150	Heating, cooling and DHW	2.25	C
FUSION 200	200		2.50	
FUSION 300	300		3.10	
FUSION EC 150	150		2.25	
FUSION EC 200	200		2.50	
FUSION EC 300	300		3.10	

EQUIPMENT	FUSION	FUSION EC
DHW safety valve	•	•
Dielectric sleeves	•	•
DHW expansion vessel	•	•
Stainless Steel DHW Storage Tank	•	•
Filling disconnector	•	•
Three-way valve	•	•
Filter	•	•
Auxiliary boiler with resistance input	•	•
2-wire connection module	•	•
Cascade control for cold or heat		•
Control over installation circulator		•
SG Ready		•
Photovoltaic sensor input		•
Humidity sensor input		•

OPTIONS	FUSION	FUSION EC
FUSION HE heating expansion vessel kit	•	•
FUSION resistance kit 1.5 kW	•	•
FUSION resistance kit 2.5 kW	•	•
FUSION resistance kit 3.5 kW	•	•
DC1D hydraulic kit (Hydraulic needle kit)	•	•
Cathode protection		•
Auxiliary pump kit		•
Energy meter		•
Buffer tank sensor		•
CW sensor		•

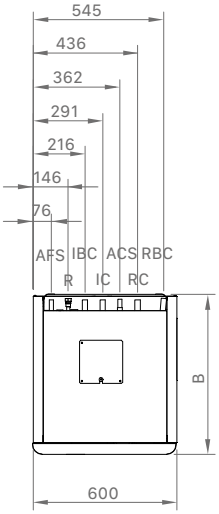
DIMENSIONS

REAR VIEW



TOP VIEW

FUSION 300



IC: Heating/Cooling outlet, Ø22 (1" M fitting).
RC: Heating/Cooling inlet, Ø22 (1" M fitting).
IBC: Air Source Heat Pump outlet, Ø22 (1" M fitting).
RBC: Air Source Heat Pump inlet, Ø22 (1" M fitting).
ACS: Domestic Hot Water (DHW) Output, 1/2" M.
DCW: Domestic Cold Water Intake, Ø18 (3/4" M).
R: DHW Recirculation Intake, 1/ 2" M.

	TOTAL HEIGHT H (mm)	DEPTH DEPTH B (mm)
FUSION 150	1560	610
FUSION 200	1965	610
FUSION 300	1995	667
FUSION EC 150	1560	635
FUSION EC 200	1965	635
FUSION EC 300	1995	692

DOMUSA TEKNIK

FUSION TRIO

FUSION TRIO | FUSION EC TRIO

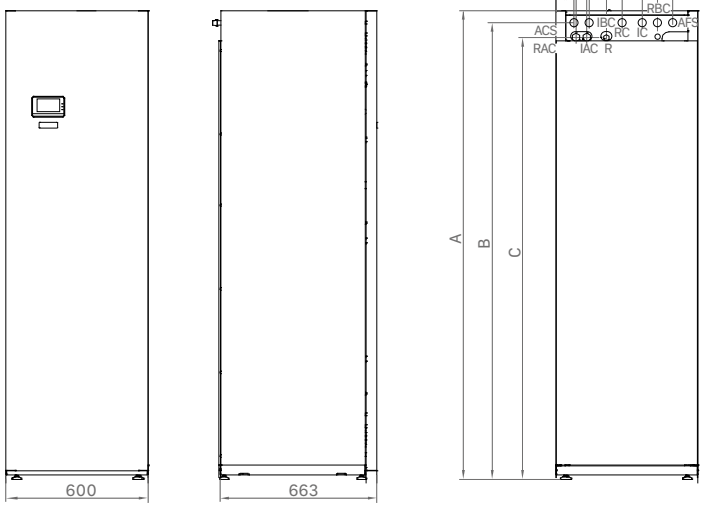
SPECIFICATIONS

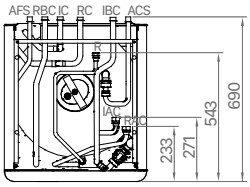
MODEL	DHW VOLUME L	PRIMARY CIRCUIT VOLUME L	APPLICATION	EXHANGE SURFACE M²	ENERGY EFFICIENCY CLASS
FUSION TRIO 200/50	200	50	Heating, cooling and DHW	2.25	C
FUSION TRIO 200/80	200	80		2.50	
FUSION EC TRIO 200/50	200	50		2.25	
FUSION EC TRIO 200/80	200	80		2.50	

EQUIPMENT	FUSION TRIO	FUSION EC TRIO
DHW safety valve	•	•
Dielectric sleeves	•	•
DHW expansion vessel	•	•
Stainless Steel DHW Storage Tank	•	•
Filling disconnector	•	•
Three-way valve	•	•
Filter	•	•
Buffer tank	•	•
Heating expansion vessel	•	•
Cascade control for cold or heat		•
SG Ready		•
Photovoltaic sensor input		•
Humidity sensor input		•

OPTIONS	FUSION TRIO	FUSION EC TRIO
FUSION resistance kit 1.5 kW	•	•
FUSION resistance kit 2.5 kW	•	•
FUSION resistance kit 3.5 kW	•	•
Cathode protection	•	•
Auxiliary pump kit	•	•
Energy meter		•
Buffer tank sensor		•
CW sensor		•

DIMENSIONS





IC: Heating/Cooling Outlet
RC: Heating/Cooling Return
IBC: Air Source Heat Pump Intake
RBC: Air Source Heat Pump Return
ACS: Domestic Hot Water (DHW) Outlet
DCW: Domestic Cold Water Intake
R: DHW Recirculation Intake
IAC: Auxiliary boiler intake for heating
RAC: Auxiliary boiler return for heating

	HEIGHT TOTAL H (mm)	HEIGHT CONNECTIONS B (mm)	HEIGHT CONNECTIONS C (mm)
FUSION TRIO 200/50	2028	1980	1917
FUSION TRIO 200/80	2098	2050	1987
FUSION EC TRIO 200/50	2028	1980	1917
FUSION EC TRIO 200/80	2098	2050	1987

FUSION HEAT

FUSION HEAT / FUSION EC HEAT

SPECIFICATIONS

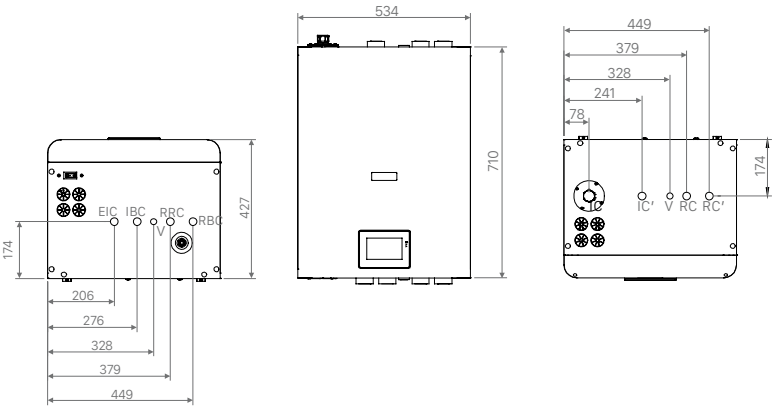
MODEL	APPLICATION	INSTALLATION	PRIMARY VOLUME	ENERGY EFFICIENCY CLASS
FUSION HEAT 50	Heating / Cooling	Wall-mounted	50	C
FUSION EC HEAT 50	Heating / Cooling	Wall-mounted	50	

EQUIPMENT	FUSION HEAT	FUSION EC HEAT
High-efficiency circulation pump	•	•
Filter	•	•
Buffer tank 50 L	•	•
Backup element connection	•	•
Energy meter input		•
Humidity sensor input		•
Control over installation circulator		•
Cascade control for cold or heat		•
SG Ready		•

OPTIONS	FUSION HEAT	FUSION EC HEAT
Electric heating element kit 2.5 kW HEAT 50	•	•
Electric heating element kit 3.5 KW HEAT 50	•	•
Energy meter		•
Buffer tank sensor		•
CW sensor		•

DIMENSIONS

FUSION HEAT / FUSION EC HEAT



IC: Heating/Cooling outlet (M 1")
RC: Heating/Cooling Return (M 1")
EIC: Entry from boiler intake (F 1")
RRC: Return from boiler return (F 1")
IC´: Heating/Cooling installation intake (F 1")
RC´: Heating/Cooling installation return
IBC: Air Source Heat Pump Intake (F 1")
RBC: Air Source Heat Pump Return (F 1")
V: Drain/Bleeding (F 3/8")

	WIDTH	HEIGHT	DEPTH
FUSION HEAT 50	534	760	427
FUSION EC HEAT 50	540	760	427

BT 50

MODEL	CAPACITY L	TYPE	APPLICATION	DIMENSIONS		ENERGY EFFICIENCY CLASS
				HEIGHT	DIAMETER	
BT 50	50	Steel	Heating / Cooling	586	530	C
BT50 STAINLESS	50	Stainless steel		586	530	C

BT 100-200

MODEL	INSTALLATION	TYPE	CAPACITY L	APPLICATION	DIMENSIONS		ENERGY EFFICIENCY CLASS
					DIAMETER	HEIGHT	
BT 100 M	Wall-mounted	Steel	100	Heating / Cooling	581	739	C
BT 100	Floor-mounted	Steel	100		581	852	
BT 150	Floor-mounted	Steel	150		581	1132	
BT 200	Floor-mounted	Steel	200		581	1432	
BT STAINLESS 100 M	Wall-mounted	Stainless steel	100		581	739	
BT STAINLESS 100	Floor-mounted	Stainless steel	100		581	852	
BT STAINLESS 150	Floor-mounted	Stainless steel	150		581	1132	
BT STAINLESS 200	Floor-mounted	Stainless steel	200		581	1432	

BTS 100-150

MODEL	EXCHANGE SURFACE	DIMENSIONS		ENERGY EFFICIENCY CLASS
		DIAMETER	HEIGHT	
BTS 100	1.9	581	765	C
BTS 150	2.4	581	1,040	

BT DUO HE

MODEL	PRIMARY VOLUME L	VOLUME DHW L	APPLICATION	DIMENSIONS		ENERGY EFFICIENCY CLASS
				DIAMETER	HEIGHT	
BT DUO HE 180/60	60	180	Heating and DHW	581	1740	C

BT TRIO

MODEL	PRIMARY VOLUME L	DHW VOLUME L	APPLICATION	DIMENSIONS		EXHANGE SURFACE	ENERGY EFFICIENCY CLASS
				DIAMETER	HEIGHT		
BT TRIO 200/50	50	200	Heating, cooling and DHW	608	1718	2.5	C
BT TRIO 200/80	80	200		608	1790	2.5	

SANIT HE

MODEL	VOLUME L	APPLICATION	DIMENSIONS		EXHANGE SURFACE	ENERGY EFFICIENCY CLASS
			DIAMETER	HEIGHT		
SANIT HE 150	150	DHW	581	1227	2.25	B
SANIT HE 200	200		581	1563	2.50	
SANIT HE 300	300		608	1790	3.10	C

SANIT HE DS

MODEL	VOLUME L	APPLICATION	DIMENSIONS		EXHANGE SURFACE	ENERGY EFFICIENCY CLASS
			DIAMETER	HEIGHT		
SANIT HE 200 DS	200	DHW DOUBLE EXCHANGE	581	1563	2.5 0.6	B
SANIT HE 300 DS	300		608	1790	3.1 0.6	C

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