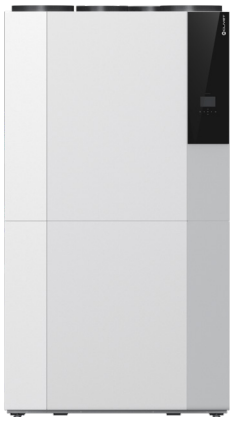
FULLNESS

Reversible air-to-air heat pump, monobloc unit with dual ducting for heating, cooling, air renewal and domestic hot water



Comfort

Hot
Cold

DHW

Silent

Energy saving

Free Cooling / Heating

Convenience

Integrated DHW tank

Management and connectivity

Modbus port

Control via the App

CONTROL4 NRG management

Clivet Eye monitoring

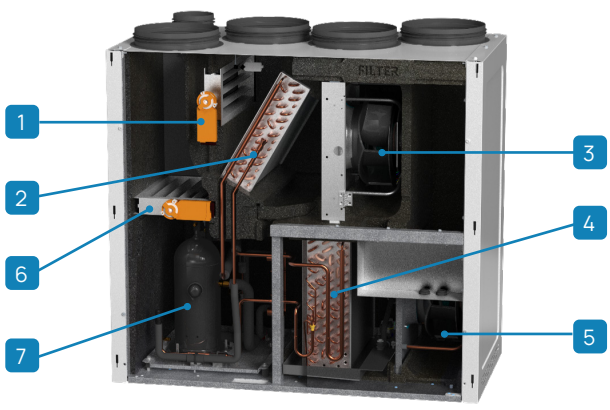
Health

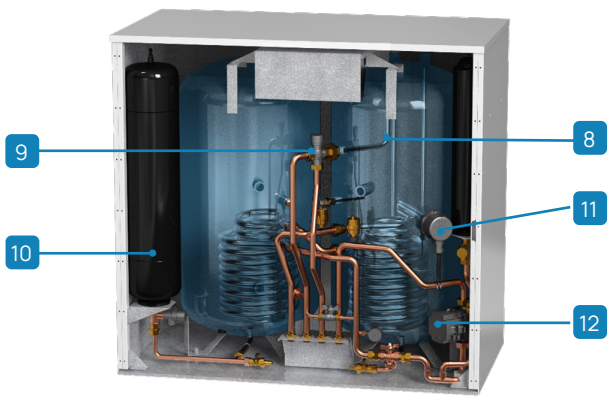
High Density filter

Air renew

Air purification

- ✓ Heating and cooling
- ✓ Constant Air Renewal
- ✓ High-Efficiency Air Filtration
- ✓ Heat Recovery on Domestic Hot Water
- ✓ Modular solution for simplified installations.





Power tailored to your home

Each house is unique. With a capacity exceeding 5 kW, Fullness is the ideal solution for both modern homes of 70 m² and high energy-efficient buildings, such as passive houses, of up to 180 m².
Fullness is not just a heat pump. It is the invisible heart of a modern home: more efficient, healthier and more beautiful. Choose simplicity, choose total well-being.

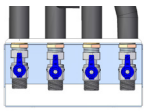
Configurations

VERSION:

PDCATA	Standard Unit, Air-to-Air Heat Pump, and Air Renewal
PDCATAR	Air-to-Air heat pump unit, renewal and heat exchanger for domestic hot water
FIFD	Electronic filter with iFD technology, offering 90% efficiency on PM1.
CONTA5	Device for monitoring the energy released to the environment and the energy consumed.

Accessories

	MAS200X	200-litre DHW tank module for all-in-one units
	KTCATX	Technical water connection pipe kit with stacked units

	VIRX	Shut-off valves

1 Recirculation damper
2 Supply heat exchanger
3 Supply fan
4 Extraction heat exchanger
5 Exhaust fan
6 Fresh air damper
7 Inverter compressor
8 Domestic hot water tank
9 Thermostatic anti-scald valve
10 15l DHW expansion vessel
11 DHW back-up heater
12 DHW pump

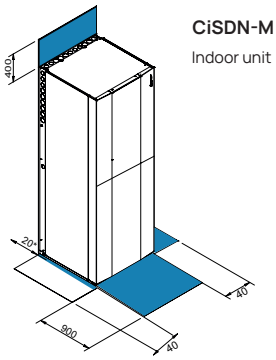
Technical data

Size					3.1
Ventilation	Adjustable Supply Air Flow Rate		Minimum / Maximum	m³/h	**400 - 800**
	Source-Side Air Flow Rate		Minimum / Maximum	m³/h	**600 - 1200**
	Available pressure		Water content	Pa	180
	Adjustable Fresh Air Flow Rate		Minimum / Maximum	m³/h	0 - 320
	Filters type		-	-	Pleated filter
	Filtration class		-	-	ePM10 50%
Heating	Heating capacity	Ambient air 20 °C/50% UR Outdoor air 7 °C/6 °C WB	Nominal	kW	**5.21**
	COP		Nominal	-	3,13
	Heating capacity	Ambient air 20 °C/50% UR Outdoor air -5 °C/80% UR	Nominal	kW	**5.00**
	COP		Nominal	-	2,34
Cooling	Cooling cpacity	Ambient air 26 °C/50% UR Outdoor air 35 °C/50% UR	Nominal	kW	**5.00**
	EER		Nominal	-	2,46
DHW	Net tank capacity			l	200
	Mixed Water at 40°C (V40) lapl1lapl			l	231
	Heating time			h:min	02:36
Electrical Power for Meter Sizing (Heat Pump Only)				kW	3,08
Electrical Power for Meter Sizing (Heat Pump + DHW Module only, with Boost Function)				kW	5,08
Seasonal efficiency Medium climate	Heating Air 7 °C	Energy class		-	A
		Annual energy consumption		kWh	2227
		SCOP		-	2,90
		nsh (seasonal efficiency)		%	113
	Cooling Air 35 °C	Energy class		-	B
		Annual energy consumption		kWh	1144
		SEER		-	3,79
		nsc (seasonal efficiency)		%	148,5
	DHW	Energy class		-	B
		Withdrawal profile		-	XL
Power supply		Voltage/Frequency/Phases		V/Hz/n°	230/50/1
Expansion Vessel Capacity				l	15
Sound power			Silent / Maximum	dB(A)	50 / 55
Sound pressure @1 m			Silent / Maximum	dB(A)	40 / 45
Operating range					
Operating range (Indoor air)		Heating	Minimum / Maximum	°C	15 / 30
		Cooling	Minimum / Maximum	°C	16 / 35
Operating range (outdoor air)		Heating	Minimum / Maximum	°C	-20 / 35
		Cooling	Minimum / Maximum	°C	16 / 45

Data calculated in accordance with EN 14511:2022, with reference to an available pressure of 50 Pa

Dimensions and connections

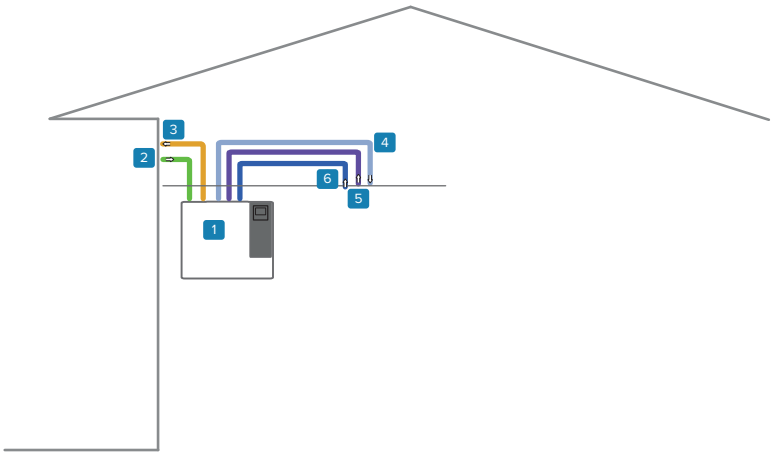
Size			3.1
Heat pumps dimensions	AxCxB	mm	1.078x1.100x599
Operating weight		kg	150
DHW modul dimensions	AxCxB	mm	1.029x1.100x600
Operating weight		kg	360
Refrigerant charge		type / GWP	R-454C / 148
		kg	0,85
		CO_2 tons	0,13
External diameters	Room supply	mm	250
	Outdoor air return	mm	250
	Room recirculation	mm	250
	Exhaust air	mm	250
	Stale air extraction	mm	150
	Condensate drain	mm	16
	Water connections	inch	3/4"
	DHW connections	inch	3/4"



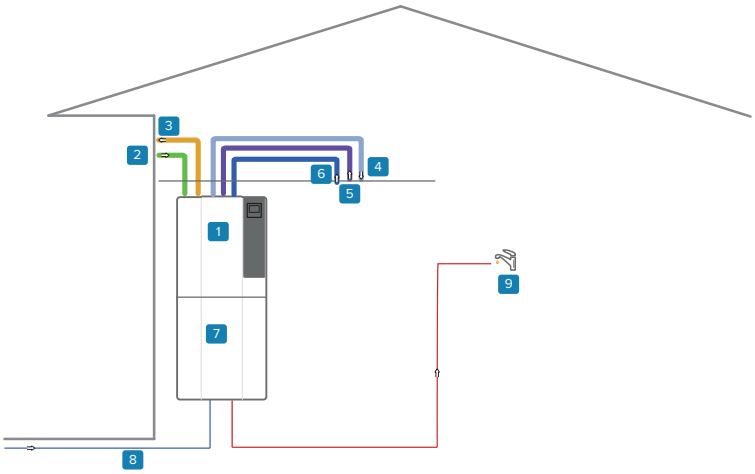
CiSDN-M EP 1 MR 3.1

Indoor unit (IDU)

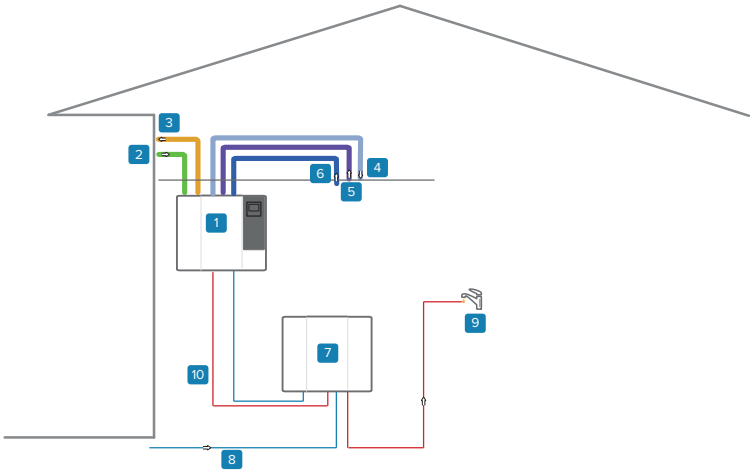
For trouble-free operation of the unit it is essntial to maintain the safety distances indicated by the blue areas



1 Heat pump module
2 Outdoor air return
3 Exhaust air
4 Indoor air distribution
5 Bathroom and kitchen air extraction
6 Neutral air recirculation from the corridor



1 Heat pump module
2 Outdoor air return
3 Exhaust air
4 Indoor air distribution
5 Bathroom and kitchen air extraction
6 Neutral air recirculation from the corridor
7 DHW module
8 Water system
9 DHW distribution



1 Heat pump module
2 Outdoor air return
3 Exhaust air
4 Indoor air distribution
5 Bathroom and kitchen air extraction
6 Neutral air recirculation from the corridor
7 DHW module
8 Water system
9 DHW distribution
10 Hydraulic connection between the two modules

REF. DG6A002GB-00

Data contained in this document are not binding and may be changed by the Manufacturer without notice