



AIRYS COMPACT

New range of high energy efficiency Air-Water Inverter heat pumps



EFFICIENT

Dual rotary inverter compressor.
Electronic expansion valve.
Variable speed fans.
High seasonal efficiency.
Customization of the climatic curve.



COMPACT

Built-in hydronic module:
Expansion vessel, circulating pump and
safety valve.
Easy access to its internal components.
Low weight and handles for transport.

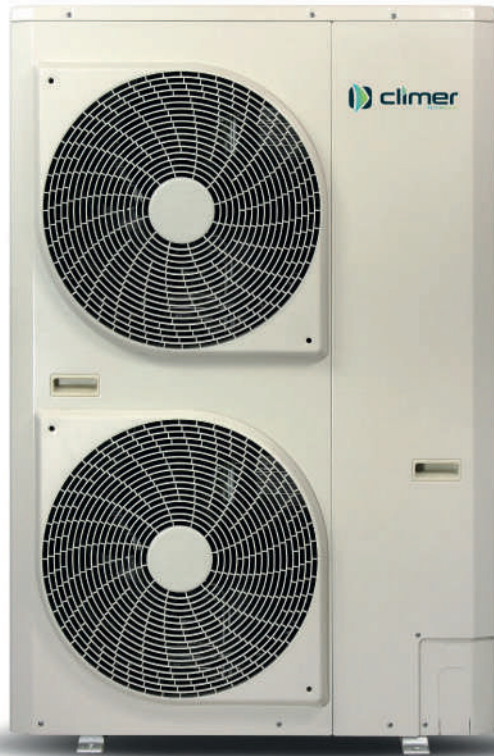


RELIABLE

Low acoustic impact fans.
Corrosion resistant casing.
Programmable thermostat.
Operation at -20°C.
Silent night mode.



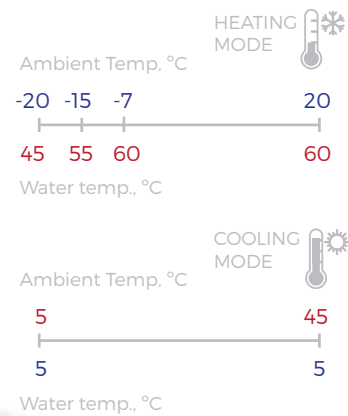
AIRYS COMPACT | HEATING · COOLING



New range of high efficiency and compact size reversible heat pumps. Due to their wide operating range (up to -20°C) and their possible combination with radiators, underfloor heating or fan coils, they offer the ideal solution for new build or renovation.

Stable temperature without fluctuations thanks to its new adapted control that allows the customization of the climatic curves for each user.

Wide operating range:



LOW SOUND LEVEL

Night mode with low revolutions of the compressor and fan (major savings).
 Double acoustic protection of the compressor.
 Special shock absorbers.
 CC fan with optimized propeller.



EASY ASSEMBLY

Minimum operating weight.
 Very small dimensions.
 Transport handles.
 Water drainage.
 Three connecting cables.



INVERTER

High efficiency rate for both heating and cooling.
 Optimized compressor capacity from 20 to 120%.



HYDRONIC MODULE

Reduces installation time and cost.
 Exchanger and module protected up to -10°C.
 Includes pump, drain, water drain, safety valve and expansion vessel.



MAINTENANCE SIMPLE

Commissioning and maintenance tasks are enabled in the user interface.
 Easy access to all components just by removing three screws.



EASY CONTROL

Large screen.
 Time programming.
 Auto diagnosis.
 In one touch displays the system settings.

AIRYS COMPACT PLUS | DHW · HEATING · COOLING

This system combines the AIRYS COMPACT unit with the ECOHEAT-BT50 module for generation and accumulation of DHW, heating and cooling.

Combining both systems achieves maximum savings throughout the year since it allows the generation of DHW on demand through the ECOHEAT system in periods where there is no demand for heating and / or cooling.



- ☑ Reduces installation time and space required.
- ☑ DHW and heating demand managed independently.
- ☑ DHW heat pump that allows to increase seasonal efficiency by allowing the outdoor unit to be deactivated in periods where heating / cooling is not necessary.
- ☑ Independent buffer tanks for DHW and accumulation that increases availability in peak demands.

MODULE | ECOHEAT-BT50

Air source heat pump for DHW production with built-in buffer tank for combination with the AIRYS COMPACT unit.

This module saves time and cost of installation as well as housing living space.

DHW heat pump available in solar thermodynamic or air source technology.



Touchscreen controller with 3 operating modes



Aluminium condenser around the tank

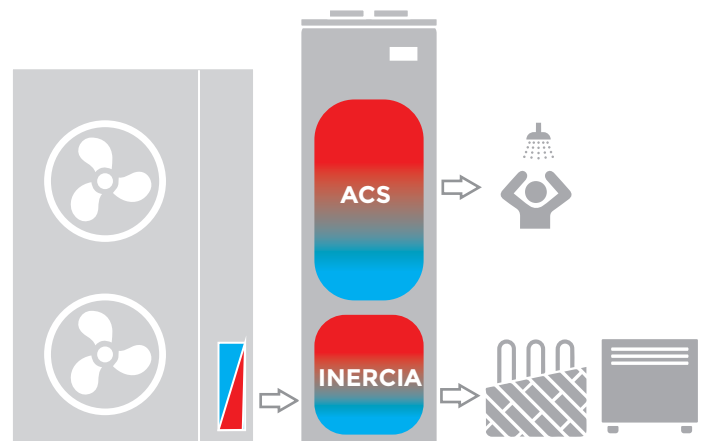


Anti-legionella disinfection



Connection with PV installations

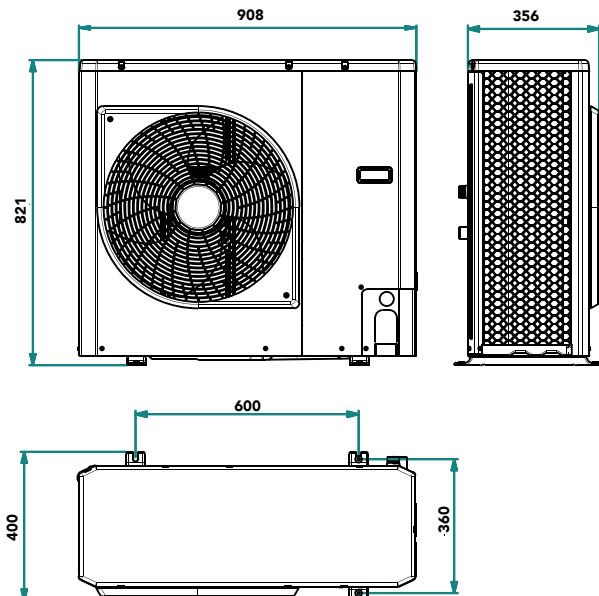
- ☑ DHW buffer tank made in duplex 2205 of 200L capacity.
- ☑ 50 L buffer tank in carbon steel.
- ☑ High-density polyurethane foam insulation to increase the overall efficiency.
- ☑ DHW buffer tank with recirculation connection and electrical support heater in titanium.
- ☑ Easy access to all components by removing only the front.



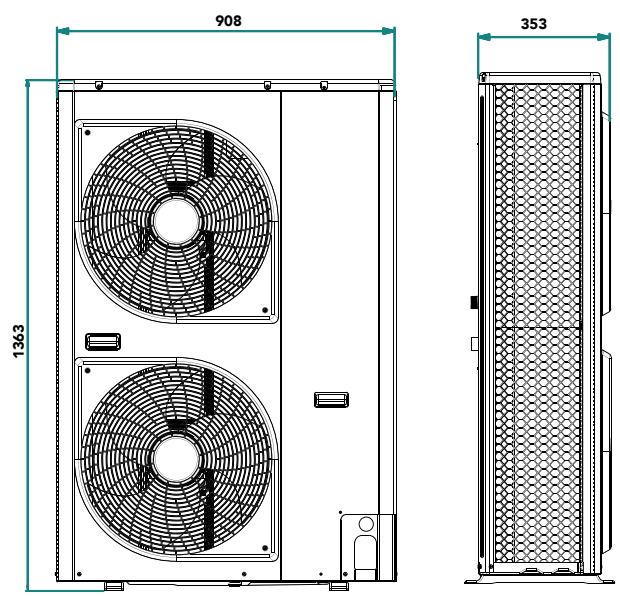
TECHNICAL DATA | AIRYS COMPACT

Model			ACP04	ACP06	ACP08	ACP12	ACP12T	ACP15	ACP15T
Cooling A35/W7	Nominal cooling capacity	kW	3,33	4,73	5,84	10,24	10,20	13,04	13,00
	Consumption	kW	1,10	1,58	1,96	3,46	3,40	4,42	4,47
	EER,	-	3,02	3,00	2,98	2,96	3,00	2,95	2,91
Cooling A35/W18	Nominal cooling capacity	kW	4,93	7,04	7,84	13,54	13,50	16,04	16,00
	Consumption	kW	1,17	1,90	1,96	3,70	3,25	4,17	4,20
	EER	-	4,20	3,70	3,99	3,66	4,15	3,85	3,81
Seasonal Efficiency	ESEER		4,36	4,51	4,15	4,22	4,40	4,31	4,31
Heating A7/W35	Nominal heating capacity	kW	4,07	5,76	7,16	11,90	12,00	14,46	15,00
	Consumption	kW	0,98	1,35	1,80	2,97	2,79	3,54	3,57
	COP	-	4,15	4,27	3,98	4,02	4,30	4,08	4,20
Seasonal Efficiency	SCOP	-	3,73	3,6	3,03	3,19	3,78	3,61	3,68
	ns heating	%	146	141	118,00	125,00	148,00	141,00	144,00
	Energy efficiency class		A+	A+	A	A+	A+	A+	A+
Heating A7/W55	Nominal heating capacity	kW	4,27	5,43	7,25	10,89	11,43	12,36	12,17
	Consumption	kW	1,46	1,96	2,58	3,9	3,66	4,09	4,08
	COP	-	2,92	2,77	2,81	2,79	3,12	3,02	2,98
Seasonal Efficiency	SCOP	-	3,53	3,37	2,84	2,95	3,47	3,25	3,33
	ns heating	%	138	132	111	115	136,00	127,00	130
	Energy efficiency class		A++	A++	A+	A+	A++	A++	A++
Sound level	Sound power level	db(A)	62	62	64	67	68	68	68
	Sound pressure level 4 m	db(A)	42	42	44	47	48	48	48
Technical data	Electrical power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	400/3N/50	230/1/50	400/3N/50
	Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Full load current	A	9	11	14,5	20,7	11,1	22,6	11,1
	Net weight	kg	57	61	69	104	116	112	116
Hydronic module	Circulating pump		Variable speed						
	Expansion vessel capacity	L	2	2	2	3	3	3	3
	Static pressure available installation	kpa	62	60	55	72	60	73	58
	Maximum operating pressure	kpa	300	300	300	300	300	300	300
	Diameter of water connections	inch	1-M	1-M	1-M	1-M	1-M	1-M	1-M

ACP04/ACP06/ACP08



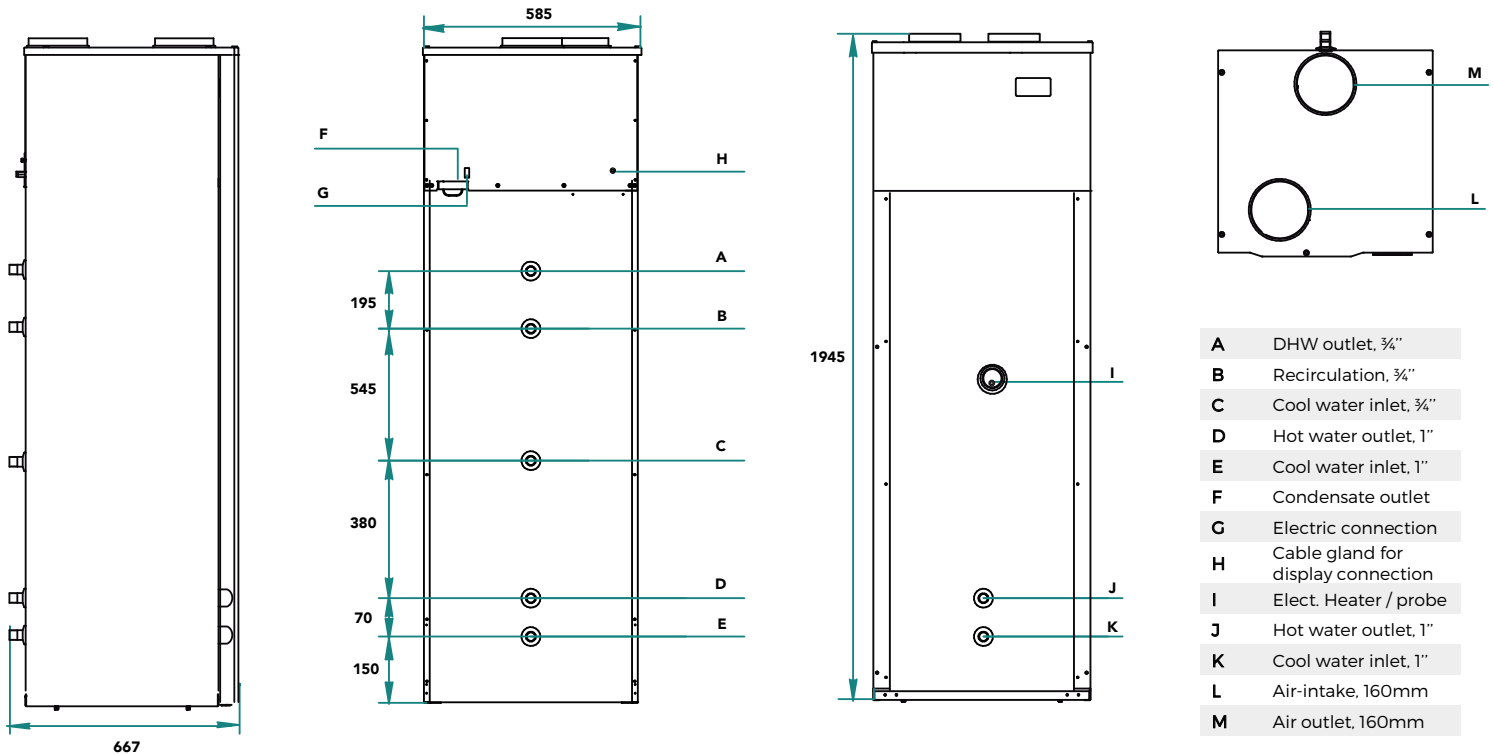
ACP12/ACP12T/ACP15/ACP15T



TECHNICAL DATA | EH200-BT50 MODULE PLUS

EH200-BT50

Buffer tanks	DHW buffer tank volume	L	200
	Maximum operating pressure, DHW	bar	6
	Buffer tank volume	L	50
Heat pump	Maximum operating pressure, buffer tank	bar	6
	Heating power range	kW	1.100-1.800
	Consumption range	kW	400-500
	Efficiency class	-	A
	Consumption profile	-	L
	SCOP (14°C)	-	2.8
	Maximum heat pump temperature	°C	55
Back-up heater	Ambient temperature range	°C	-5 / 45
	Electric heater power	kW	1.500
	Maximum consumption with electric heater	kW	2.600
	Maximum temperature with electric heater	°C	70
Air	Flow	m ³ /h	350
	Static pressure available	Pa	70
	Connection diameter	mm	160
Connections	Electrical power supply	V/ph/Hz	230/1/50
	DHW inlet / outlet / recirculation	pulg	3/4
	Heat pump inlet / outlet	pulg	1



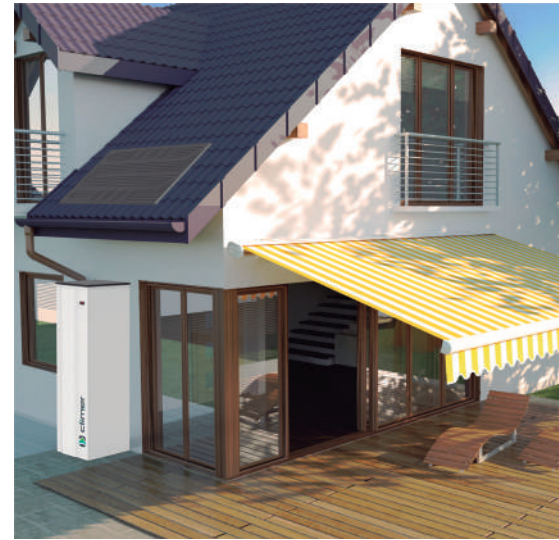
CODES | AIRYS COMPACT PLUS

AIRYS COMPACT PLUS model	ACP04 -P2050	ACP06-P2050	ACP08-P2050	ACP12 -P2050	ACP12T-P2050	ACP15-P2050	ACP15T-P2050
Indoor unit model	EH200-BT50	EH200-BT50	EH200-BT50	EH200-BT50	EH200-BT50	EH200-BT50	EH200-BT50
Outdoor unit model	ACP04	ACP06	ACP08	ACP12	ACP12T	ACP15	ACP15T

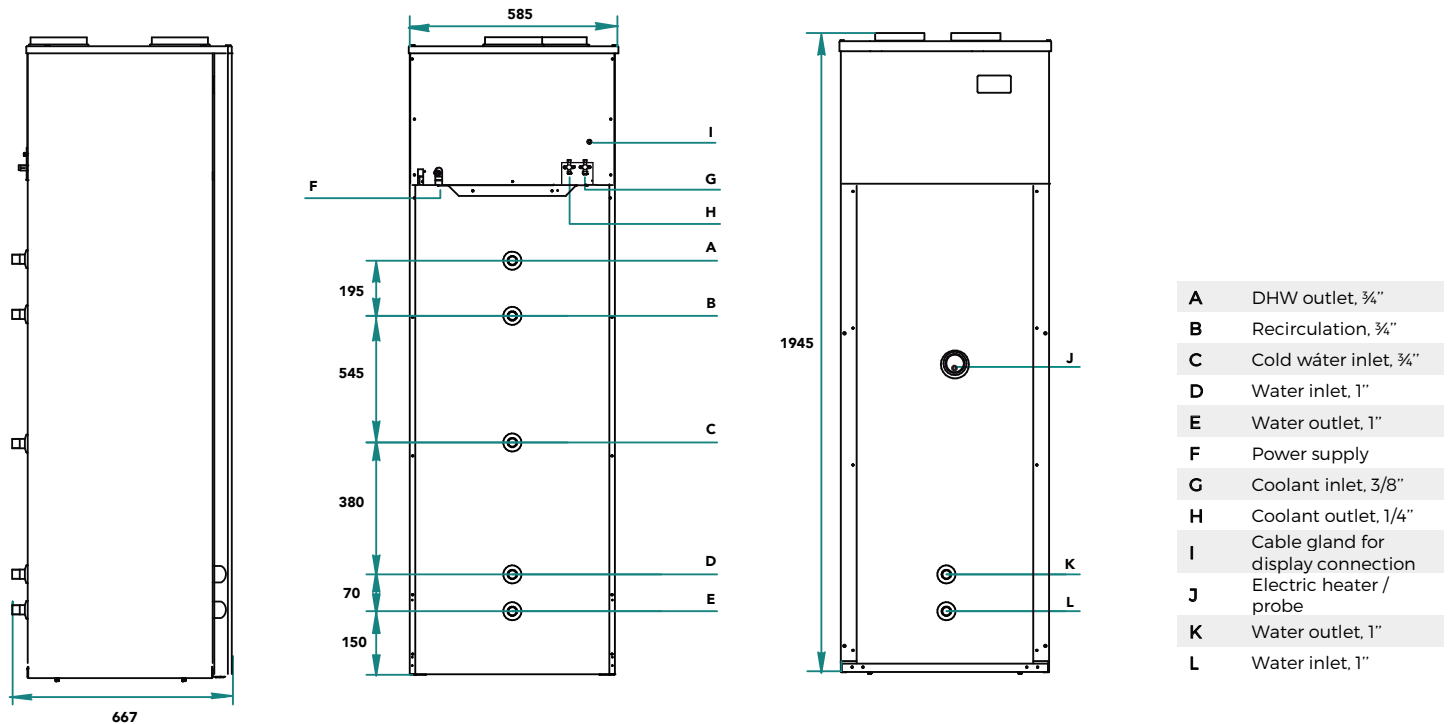
TECHNICAL DATA | EH200TD-BT50 MODULE PLUS

EH200-BT50TD

Buffer tanks	DHW buffer tank volume	L	200
	Maximum operating pressure, DHW	bar	6
	Buffer tank volume	L	50
	Maximum operating pressure, buffer tank	bar	6
Heat pump	Heating power range*	kW	1.100-2.560
	Consumption range*	kW	450-540
	Efficiency class	-	A
	Heating power range	-	L
	COP range	-	2,6-4,6
	Maximum temperature HP	°C	55
Back-up heater	Ambient temperature range	°C	-10 / 45
	Electric heater power	kW	1.500
	Maximum consumption with electric heater	kW	2.600
	Maximum temperature with electric heater	°C	70
Panel	Number of panels	-	1
	Dimensions	mm	1700x800
Connections	Maximum operating pressure	bar	10
	Electrical power supply	V/ph/Hz	230/1/50
	DHW inlet/outlet/ recirculation	inch	3/4
	Heat pump inlet/outlet	inch	1
	Coolant inlet/outlet	inch	3/8 -1/4



* Depending on solar radiation incidence



CODES | AIRYS COMPACT PLUS TD

AIRYS COMPACT PLUS TD Model	ACP04 - P2050TD	ACP06 - P2050TD	ACP08 - P2050TD	ACPI2 - P2050TD	ACPI2T - P2050TD	ACPI5 - P2050TD	ACPI5T - P2050TD
Indoor unit model	EH200TD-BT50	EH200TD-BT50	EH200TD-BT50	EH200TD-BT50	EH200TD-BT50	EH200TD-BT50	EH200TD-BT50
Outdoor unit model	ACP04	ACP06	ACP08	ACPI2	ACPI2T	ACPI5	ACPI5T