climalodge
LODGE HEATING AND HOT WATER

The revolutionary new Climalodge Series offers Park Operators and Holiday Home Manufacturers a total solution for their holiday home central heating and hot water requirements. It uses the same award winning, energy efficient technology as the Climacube Heating System, driving heat up and energy costs down.
Space saving in its design the Climalodge is discreetly housed in its own secure, steel outdoor unit that contains all the ancillaries that would normally take up room inside the home. There is no maintenance to the Climalodge, only standard plumbing that has been designed for easy access and visual checks.

"Click and connect "concept:

Easy and fast fit installation in only 3 steps:

1 DHW plumbing

2 Heating plumbing

3 Power supply

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 optimised propeller.

EASY ASSEMBLY

Minimum operating weight.
Very small dimensions.
Transport handles.
Water drainage.
Plug and play.

HYDRONIC MODULE

Reduces installation time and cost. Exchanger and module protected up to -15ºC. Includes pump, drain, water drain, safety valve , expansion vessel and buffer tank

MAINTENANCE SIMPLE

Commissioning and maintenance tasks are enabled in the user interface.
Easy access to all components.

INVERTER

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

EASY CONTROL

Large screen.
Time programming.
Auto diagnosis.
One touch to access the system settings.

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ALL IN ONE | DHW · HEATING · COOLING

Generation and accumulation of DHW, heating and cooling. The complete system achieves maximum savings throughout the year since it allows the generation of DHW on demand through the independent heat pump in periods where there is no demand for heating and / or cooling.

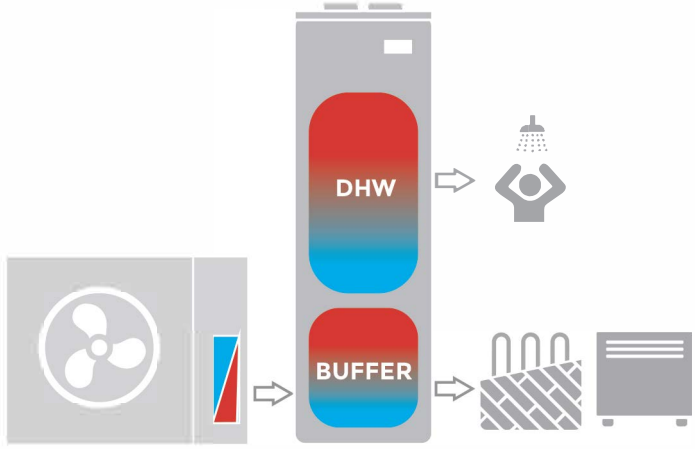
- ☑ Reduces installation time and space required.
- ☑ DHW and heating demand managed independently.
- ☑ DHW heat pump that allows to increased seasonal efficiency by allowing the outdoor unit to be deactivated in periods where heating / cooling is not necessary.
- ☑ Independent buffer tanks for DHW and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

DHW HEAT PUMP | BUFFER TANK

Air source heat pump for DHW production with built-in buffer tank for combination with the heating/cooling heat pump.
This module saves time and cost of installation as well as housing living space.

- 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.
- ☑ 50L 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.



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TECHNICAL DATA

HEATING / COOLING UNIT			
Cooling A35/W7	Nominal cooling capacity	kW	5,84
	Consumption	kW	1,96
	EER	-	2,98
Cooling A35/W18	Nominal cooling capacity	kW	7,84
	Consumption	kW	1,96
	EER	-	3,99
Seasonal Efficiency	ESEER		4,15
Heating A7/W35	Nominal heating capacity	kW	7,16
	Consumption	kW	1,80
	COP	-	3,98
Seasonal Efficiency	SCOP	-	3,03
	ns heating	%	118,00
	Energy efficiency class		A
Heating A7/W55	Nominal heating capacity	kW	7,25
	Consumption	kW	2,58
	COP	-	2,81
Seasonal Efficiency	SCOP	-	2,84
	ns heating	%	111
	Energy efficiency class		A+
Sound level	Sound power level	db(A)	64
	Sound pressure level 4 m	db(A)	44
Technical data	Electrical power supply	V/ph/Hz	230/1/50
	Refrigerant		R410A
	Full load current	A	14,5
	Net weight	kg	69
Hydronic module	Circulating pump		
	Expansion vessel capacity	L	2
	Static pressure available installation	kpa	55
	Maximum operating pressure	kpa	300
	Diameter of water connections	pulg	1-M

DHW UNIT			
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	1.100-1.800
	Consumption range	kW	400 -500
	Efficiency class	-	A
	Consumption profile	-	L
	SCOP (14ºC)	-	2,8
	Maximum heat pump temperature	ºC	55
Temp. range	Ambient temperature range	ºC	-15 / 45
Auxiliary resistance	Resistance power	kW	1.500
	Maximum consumption with resistance	kW	2.600
	Maximum temperature with resistance	ºC	70
Air	Flow	m3/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