



Aldea®

H E A T P U M P

Environmentally Friendly Technologies
BlueDeep Series



BLUEDEEP SERIES

RESIDENTIAL INVERTER SWIMMING POOL HEAT PUMP



Characteristics



-  R32/R410A Refrigerant Available
-  Optional Wi-Fi Control
-  Fast Heating
-  High Energy Efficiency
-  Low Noise
-  Multiple Control Mode
-  Optional Display

High Efficiency



With full DC inverter technology on compressor & fan motor, Aldea BlueDeep Heat Pumps spends less electricity compared to the traditional heat pumps with ON/OFF compressor and fan motor.



Energy Bill
ON/OFF HP



Energy Bill
BlueDeep Series



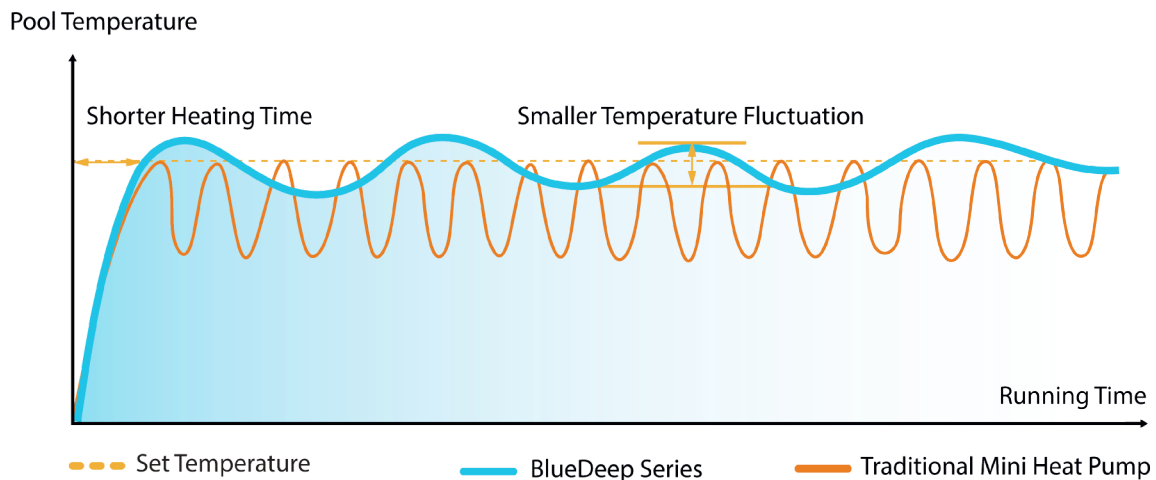


Quiet Operation

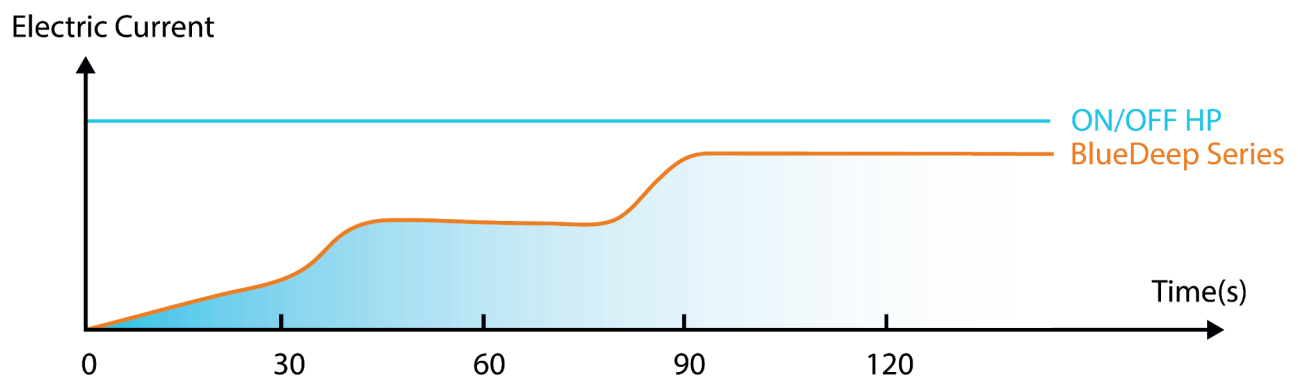
With DC inverter compressor, compressor damping design, and sound-absorbing cotton, Aldea Heat Pumps works amazingly silent as low as 34dB(A).



Constant Water Temperature



Soft Start



BLUEDEEP SERIES

COMMERCIAL INVERTER SWIMMING POOL HEAT PUMP





Characteristics



Optional Wi-Fi Control



LED Touch Screen



High Energy Efficiency



Low Noise



Applications

With powerful capacity and high efficiency, BlueDeep Series can be suitable for aqua parks, hotels, gyms and so on.



Aqua Parks



Hotels

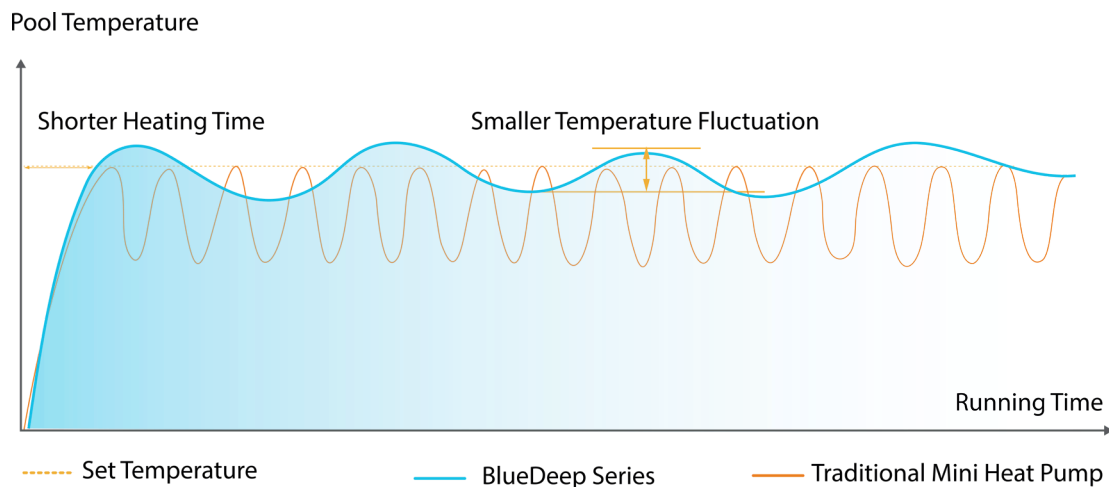


Gyms



Full DC Inverter Technology

Aldea adopts full inverter technology for the commercial pool heat pump. With an inverter compressor, the BlueDeep Series heats the water to the set temperature in a shorter time and the water temperature remains stable as running time goes by.

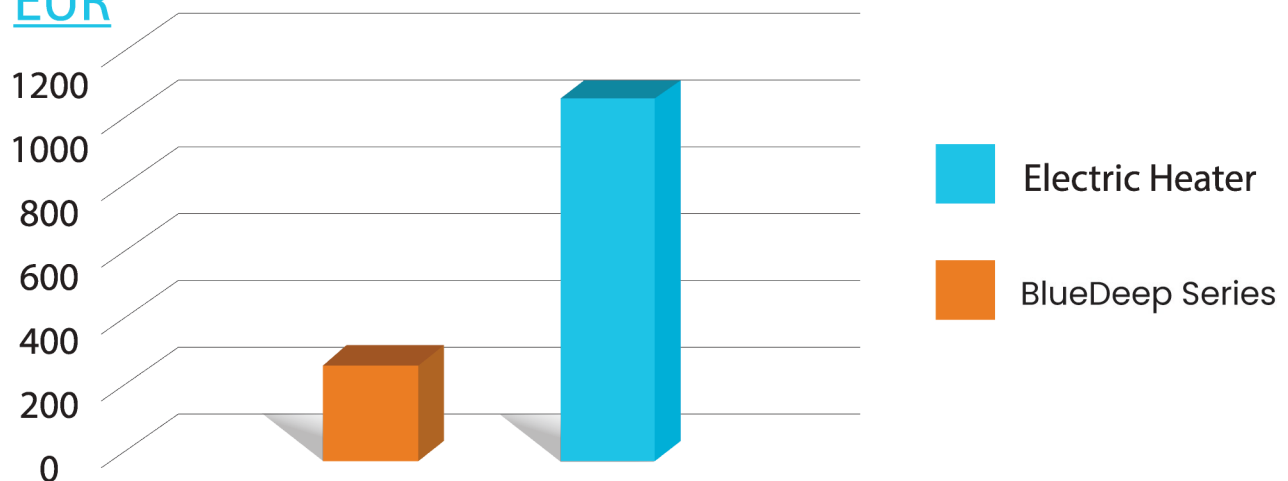


Low Running Cost



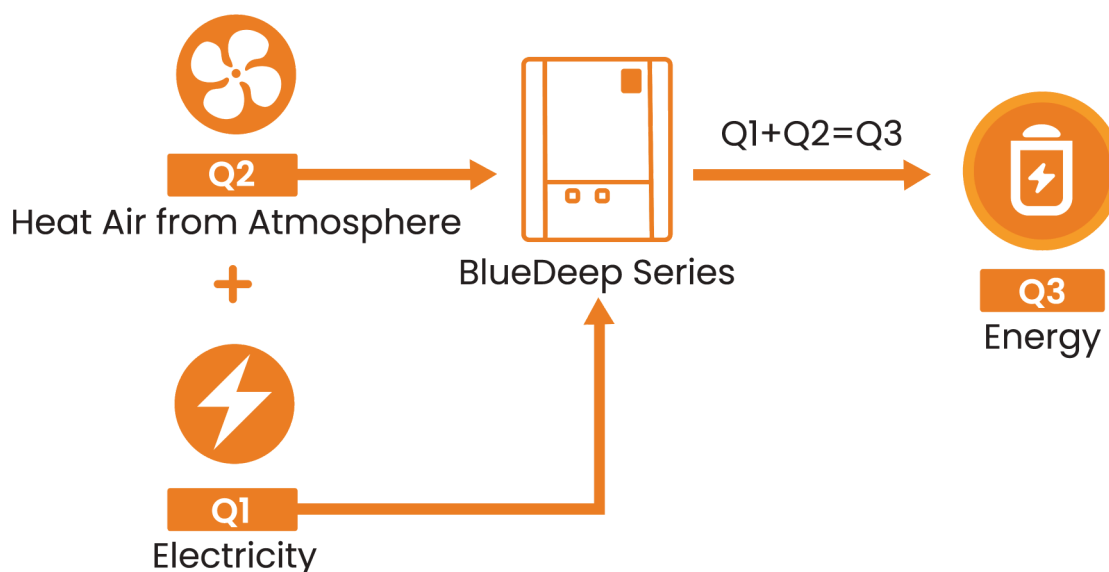
Adopting full inverter technology and special design, soft start and fast heating can be realized. And water temperature will be more constant, making you enjoy the swimming all the time.

EUR



Super Performance

The heat pump obtains a large amount of heat in the air from the outdoor for free and 1 unit of electricity can generate 3 units of heat energy. The unit can reduce power consumption and cut down the electricity cost.



Smart App Control

Have you ever imagined you can control heat pumps on your smartphone? Aldea Smart App technology is now welcomed on the market. If you have several units, you don't have to go to the machine room to check or control them from now on. All information about the heat pump is just at your fingertips.



Download from
APP Store



Home Router



Wi-Fi Connection



App Control




**BLUEDEEP SERIES****ALD-PL011****ALD-PL015****ALD-PL018**

Ambient Temperature: (DB/WB) 27°C/24.3°C; Water Inlet/Outlet Temperature: 26°C/28°C.				
Heating Capacity	kW	2.8~11.51	3.48~15.3	4.34~18.1
Consumed Power	kW	0.17~1.74	0.22~2.35	0.27~2.81
COP	W/W	16.5~6.6	15.9~6.5	16.1~6.4
Ambient Temperature: (DB/WB) 15°C/12°C; Water Inlet Temperature: 26°C.				
Heating Capacity	kW	2.2~8.21	2.96~11.14	3.44~13.35
Power Input	kW	0.27~1.61	0.36~2.19	0.41~2.61
COP	W/W	8.1~5.1	8.3~5.1	8.3~5.1
Power Supply	V/Ph/Hz	220~240V~/ 50Hz		
Max. Power Input	kW	2.3	3.2	3.9
Max. Current	A	10.5	14.5	17.7
Advised Pool Volume	m³	25~50	30~60	35~70
Operating Temperature Range	°C	-10~43	-10~43	-10~43
Heating Temperature Range	°C	15~40	15~40	15~40
Refrigerant Type	/	R32	R32	R32
Water Pipe Connection	mm	50/48.3	50/48.3	50/48.3
Sound Pressure at 1m dB	A	33~47	34~48	34~48
Water Flow	m³/h	4.9	6.6	7.7
Water Pressure Drop	kPa	15	18	23
Net Dimensions (L*W*H)	mm	1000*400*660	1000*400*660	1000*400*660
Water Proof Level	/	IPX4	IPX4	IPX4


BLUEDEEP SERIES**ALD-PL031****ALD-PL035****ALD-PL041**

Ambient Temperature: (DB/WB) 27°C/24.3°C; Water Inlet/Outlet Temperature: 26°C/28°C.				
Heating Capacity	kW	10.3~30.8	11.7~35.2	12.9~41.1
Consumed Power	kW	0.698~5.06	0.79~5.77	0.88~6.95
COP	W/W	14.7~6.09	14.81~6.1	14.74~5.91
Ambient Temperature: (DB/WB) 15°C/12°C; Water Inlet Temperature: 26°C.				
Heating Capacity	kW	8.55~19.84	8.96~24.56	9.51~28.1
Power Input	kW	1.17~4.17	1.31~5.25	1.36~5.98
COP	W/W	7.28~4.76	6.84~4.68	7~4.7
Power Supply	V/Ph/Hz	380~415V / 3N~/ 50Hz		
Max. Power Input	kW	6.5	7.3	8.0
Max. Current	A	11.6	13	14.3
Sound Pressure at 1m dB	A	62	67	68
Water Flow	m³/h	10.74	12.28	14.34
Water Pressure Drop	kPa	35	45	45
Water Pipe Connection	mm	50	50	50
Water Proof Level	/	IPX4	IPX4	IPX4
Operating Temperature Range	°C	-10~43	-10~43	-10~43
Heating Temperature Range	°C	15~40	15~40	15~40
Refrigerant Type	/	R410A	R410A	R410A
Net Dimensions (L*W*H)	mm	735x710x965	845x785x1055	845x785x1055




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