



Environmentally Friendly Technologies

Blue Series





Aldea®
HEAT PUMP

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HEAT PUMP



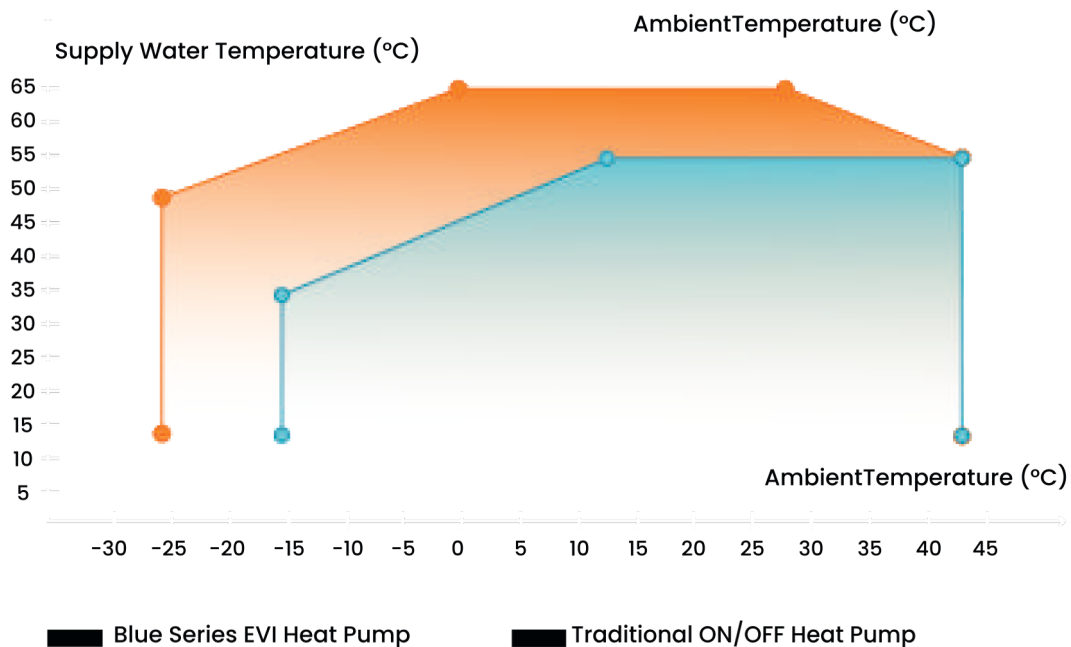
R32



Wider Operation Range



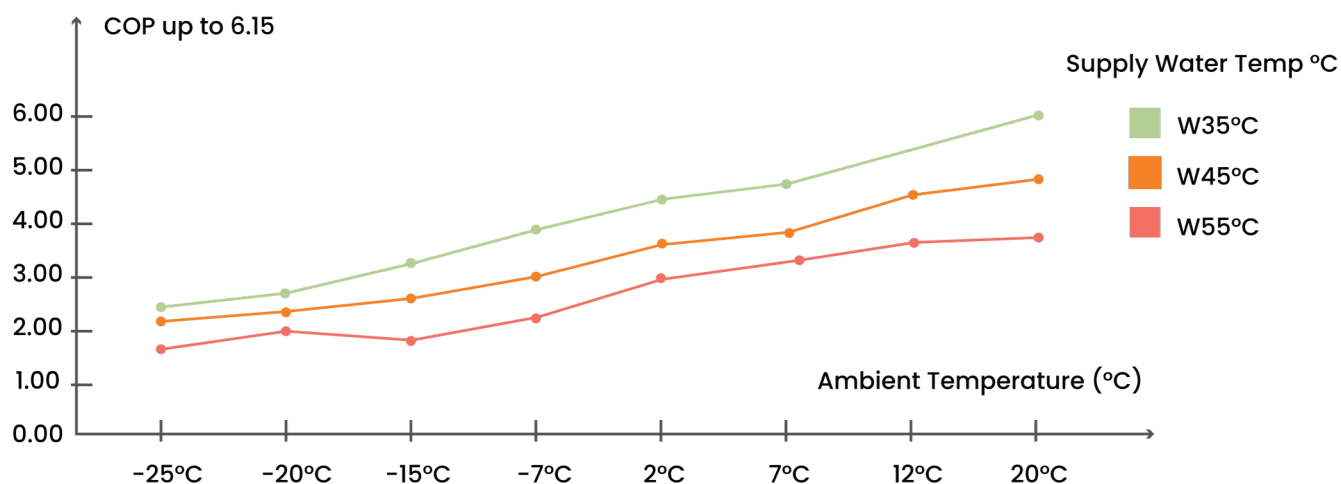
Thanks to the inverter and EVI technology, the Blue Series Heat Pump features a wide operating temperature range to provide space heating, cooling, and domestic hot water. It can reach up to 60°C supply water temperature in a cold climate and works stably at ambient temperatures as low as -25°C.





Increased Efficiency

With a maximum COP of 6.15 and an ErP rating of A+++, the Blue Series EVI DC inverter heat pump can operate more efficiently. It consumes less energy and therefore helps consumers reduce their heating bills.



Wi-Fi Smart Control

With Wi-Fi function, the users control the heat pump anywhere and anytime:



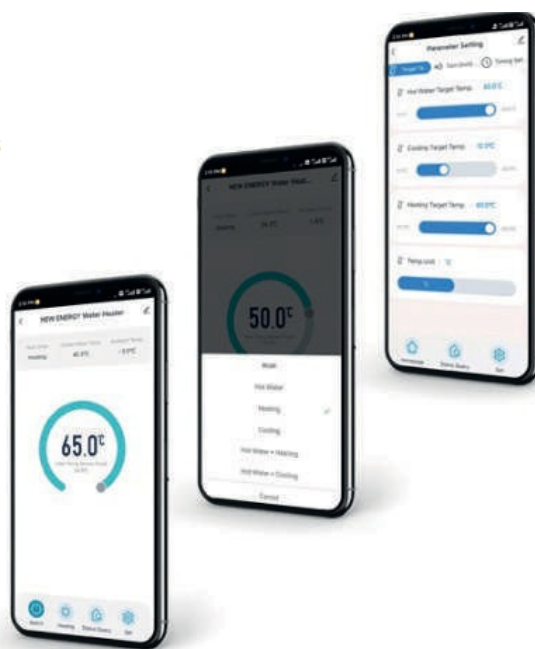
Controlling all units from SmartLife App



Turn on/off remotely



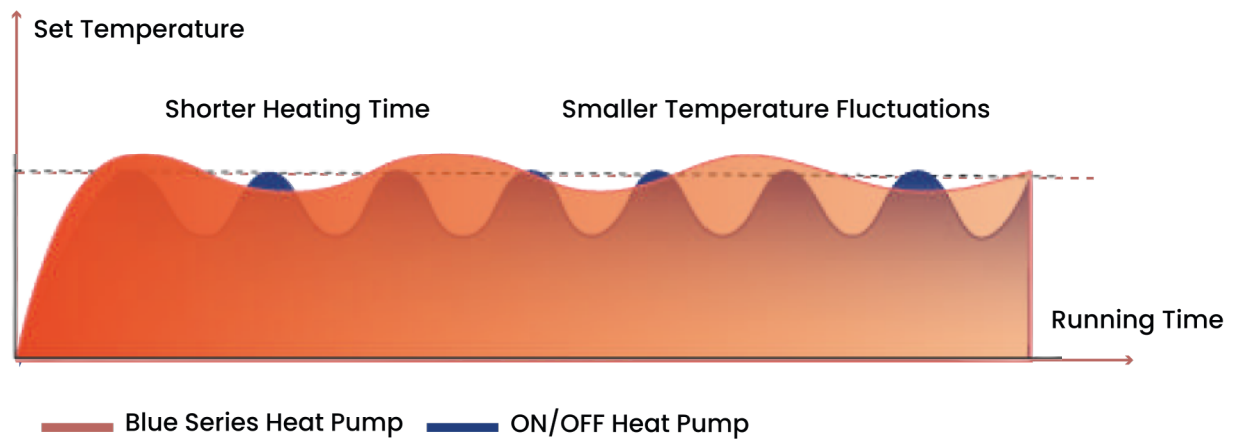
Select working modes



Full DC Inverter Technology



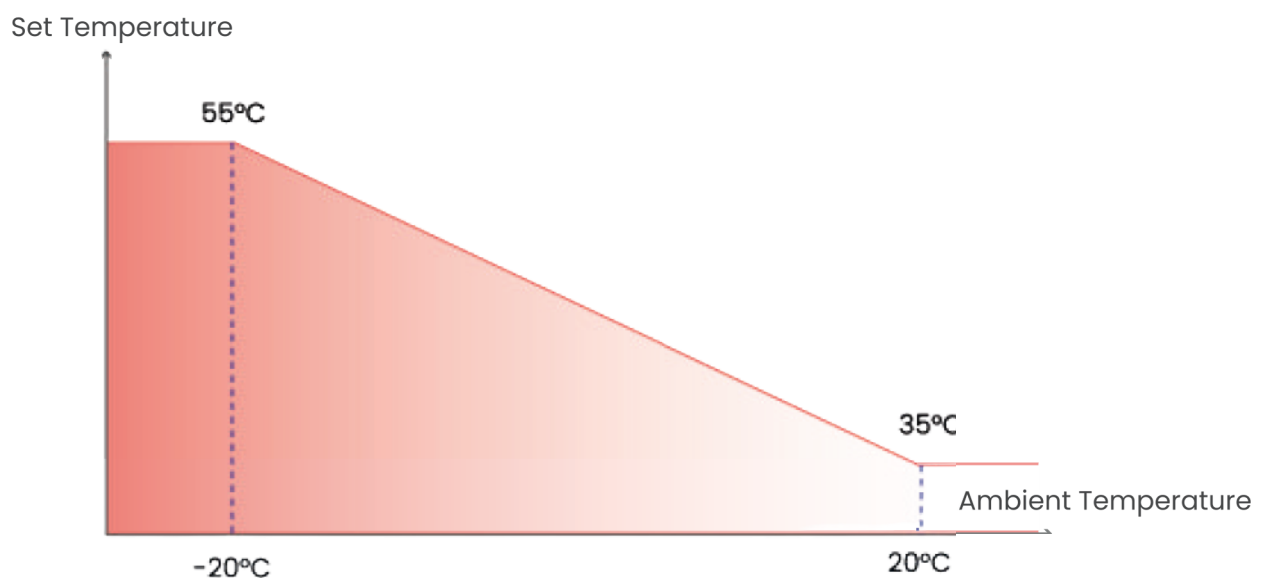
The Blue Series heat pump combines a full DC inverter twin-rotary compressor with an inverter brushless motor, so the unit can adjust desired temperature automatically, to bring users maximum comfort for lowest costs.



Intelligent Water Compensation



The unique control logic enables Blue Series to adjust the outlet water temperature intelligently, according to the real-time ambient temperature. Therefore, without any user intervention required, indoor temperature remains constant along all heating season.





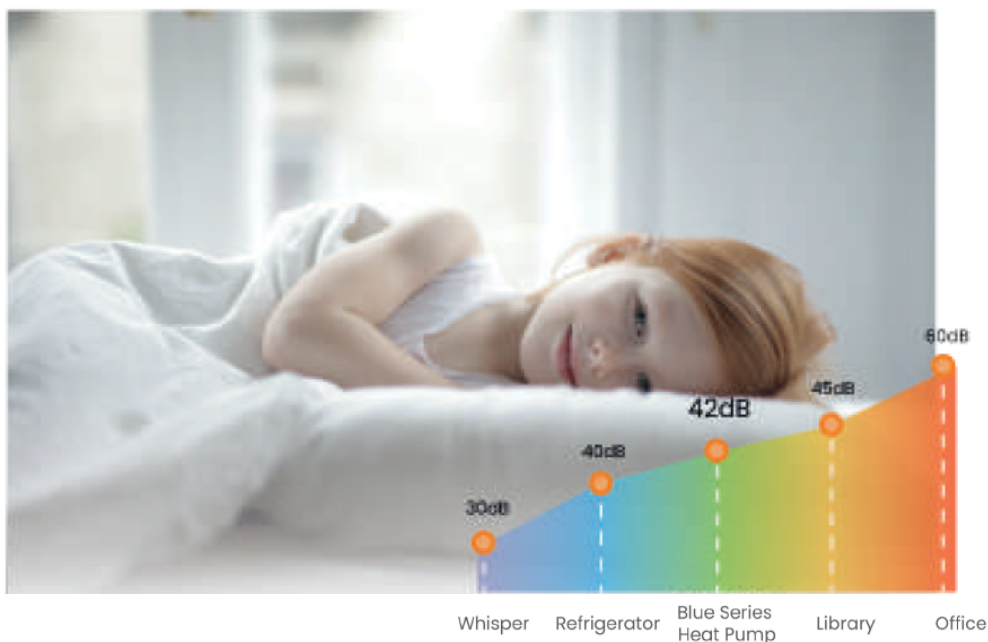
Touch Screen Color LCD Display

The 4" color LCD display can be installed on the wall. Featured with 0.5°C precise temperature control, water temperature curve display, easy timing, one-key mute, one-key faster heating, etc, it is very user-friendly.



Super Low Noise

In addition to brushless DC inverter fans, the Blue Series evi heat pump adopts reinforced sound reduction measures such as the dual shock absorption by the compressor. The sound levels start as low as 42dB(A), making itself the quietest system in our product lineup.



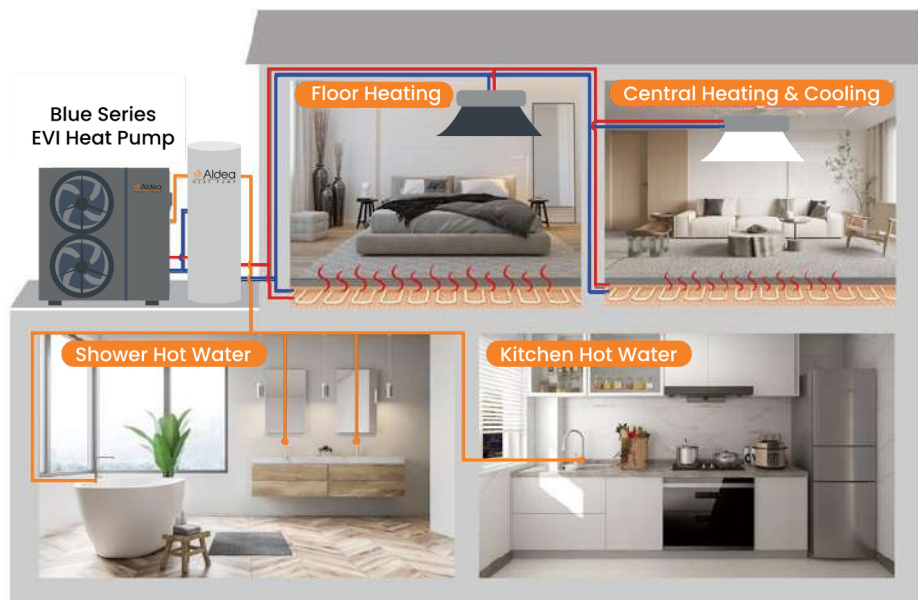
EVI Technology



EVI stands for “Enhanced Vapor Injection” and is a technology used on our low-temperature heat pumps to achieve higher performance at lower temperatures such as -30°C . With EVI technology and inverter compressor, the Blue Series can work stably and remain high efficiency.



Wide Application



Various Capacity Selection from 4~30 kW for different houses.



Wide Voltage Range (207V~253V for single phase, 342~456V for 3 phase)



Specifications



BLUE SERIES		ALD-DAMB10	ALD-DAMB13	ALD-DAMB16
Power Supply	(V/Ph/Hz)	220-240V~/50Hz		
Refrigerant Type	/	R32	R32	R32
[Space Heating] Ambient Temperature (DB/WB): 7°C/6°C, Water Temperature (Inlet/Outlet): 30°C/35°C.				
Max. Heating Capacity	kW	2.32~8.65	3.53~12.76	4.81~16.05
Power Input	kW	0.38~1.88	0.58~2.83	0.81~3.67
COP	/	6.06~4.59	6.01~4.51	5.89~4.37
[Space Heating] Ambient Temperature (DB/WB): 7°C/6°C, Water Temperature (Inlet/Outlet): 50°C/55°C.				
Max. Heating Capacity	kW	1.81~7.83	2.38~10.86	2.82~14.12
Power Input	kW	0.43~3.05	0.58~4.31	0.64~5.34
COP	/	4.15~2.56	4.11~2.52	4.37~2.64
[Space Cooling] Ambient Temperature (DB/WB): 35°C / -, Water Temperature (Inlet/Outlet): 12°C/7°C.				
Max. Cooling Capacity	kW	1.43~7.17	2.06~10.33	2.63~13.16
Power Input	kW	0.32~2.67	0.46~3.89	0.59~5.02
EER	/	4.45~2.68	4.43~2.65	4.41~2.62
[Hot Water] Ambient Temperature (DB/WB): 20°C/15°C, Water Temperature from 15°C to 55°C.				
Max. Heating Capacity	kW	10.37	15.31	19.25
Power Input	(kW)	2.15	3.21	3.98
COP	/	4.82	4.76	4.83
ErP Level	35°C	A+++	A+++	A+++
ErP Level	55°C	A++	A++	A++
Electric Heater Rated Input	(kW)	3	3	3
Max. Power Input	(kW)	6.1(3.1+3)	7.5(4.5+3)	8.8(5.8+3)
Max. Running Current	(A)	27.8(14.1+13.7)	34.1(20.4+13.7)	23.8(10.1+13.7)
Circulating Pump	/	Built-in	Built-in	Built-in
Fan Motor Type	/	DC motor	DC motor	DC motor
Water Side Heat Exchanger	/	Plate Heat Exchanger		
Outdoor Unit Evaporator	/	Finned Heat Exchanger		
Expansion Tank Volume	(L)	2	2	5
Display	/	4-inch Colored Touch Screen		
Wi-Fi Function	inch	Yes	Yes	Yes
Rated Water Flow	m³/h	1.6	2.1	2.7
Water Pressure Drop	(kPa)	20	22	24
Water Pipe Connection	(mm)	1 1/4"	1 1/4"	1 1/4"
Sound Pressure Level at 1m	dB(A)	43~54	43~55	44~55
Operation Range	(°C)	-25~43	-25~43	-25~43
Max. Outlet Water Temp.	(°C)	60	60	60
Water Proof Class	/	IPX4	IPX4	IPX4
Electricity Shock Proof	/	I	I	I
Net Dimensions (L×W×H)	(mm)	1338 x 450 x 870	1338 x 450 x 870	1338 x 450 x 1500





Specifications



BLUE SERIES

ALD-DAMB20

ALD-DAMB26

Power Supply	(V/Ph/Hz)	380-415V/3N~/ 50Hz	380-415V/3N~/ 50Hz
Refrigerant Type		R32	R32
[Space Heating] Ambient Temperature (DB/WB): 7°C/6°C, Water Temperature (Inlet/Outlet): 30°C/35°C.			
Max. Heating Capacity	kW	6.36~20.44	8.54~25.93
Power Input	kW	1.08~4.61	1.46~6.08
COP	/	5.87~4.33	5.82~4.26
[Space Heating] Ambient Temperature (DB/WB): 7°C/6°C, Water Temperature (Inlet/Outlet): 50°C/55°C.			
Max. Heating Capacity	kW	3.41~17.69	4.67~22.27
Power Input	kW	0.89~7.04	1.04~8.66
COP	/	4.32~2.51	4.28~2.57
[Space Cooling] Ambient Temperature (DB/WB): 35°C / -, Water Temperature (Inlet/Outlet): 12°C/7°C.			
Max. Cooling Capacity	kW	3.31~16.82	4.37~21.85
Power Input	kW	0.76~6.44	1.02~8.40
EER	/	4.32~2.61	4.25~2.60
[Hot Water] Ambient Temperature (DB/WB): 20°C/15°C, Water Temperature from 15°C to 55°C.			
Max. Heating Capacity	(kW)	23.95	31.07
Power Input	(kW)	5.05	6.52
COP	/	4.74	4.76
ErP Level	35°C	A+++	A+++
ErP Level	55°C	A++	A++
Electric Heater Rated Input	(kW)	3	3
Max. Power Input	(kW)	10.2(7.2+3)	12.7(9.7+3)
Max. Running Current	(A)	26(12.3+13.7)	30.4(16.7+13.7)
Circulating Pump	/	Built-in	Built-in
Fan Motor Type	/	DC motor	DC motor
Water Side Heat Exchanger	/	Plate Heat Exchanger	Plate Heat Exchanger
Outdoor Unit Evaporator	/	Finned Heat Exchanger	Finned Heat Exchanger
Expansion Tank Volume	(L)	5	5
Display	/	4-inch Colored Touch Screen	4-inch Colored Touch Screen
Wi-Fi Function	inch	Yes	Yes
Rated Water Flow	m³/h	3.4	4.4
Water Pressure Drop	(kPa)	28	31
Water Pipe Connection	(mm)	1 1/2"	1 1/2"
Sound Pressure Level at 1m	dB(A)	45~58	46~59
Operation Range	(°C)	-25~43	-25~43
Max. Outlet Water Temp.	(°C)	60	60
Water Proof Class	/	IPX4	IPX4
Electricity Shock Proof	/	I	I
Net Dimensions (L×W×H)	(mm)	1338 x 450 x 1320	1338 x 450 x 1500



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H E A T P U M P