



Aldea[®]

H E A T P U M P

Environmentally Friendly Technologies
BlueRain Series



BLUERAIN SERIES

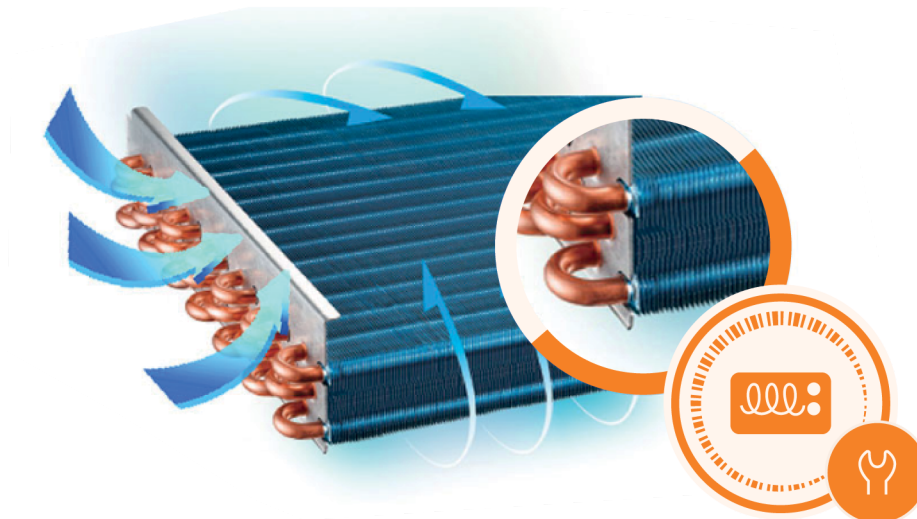
COMMERCIAL EVI HEATING & COOLING HEAT PUMP

DESIGNED FOR EXTRA COLD CLIMATE REGIONS (AMBIENT TEMP -25°C)



Hydrophilic Aluminum Finned Evaporator

S-shape hydrophilic fin arranged in rows enlarge interface by 30% to ensure high-efficient heat transfer.



Copeland Compressor

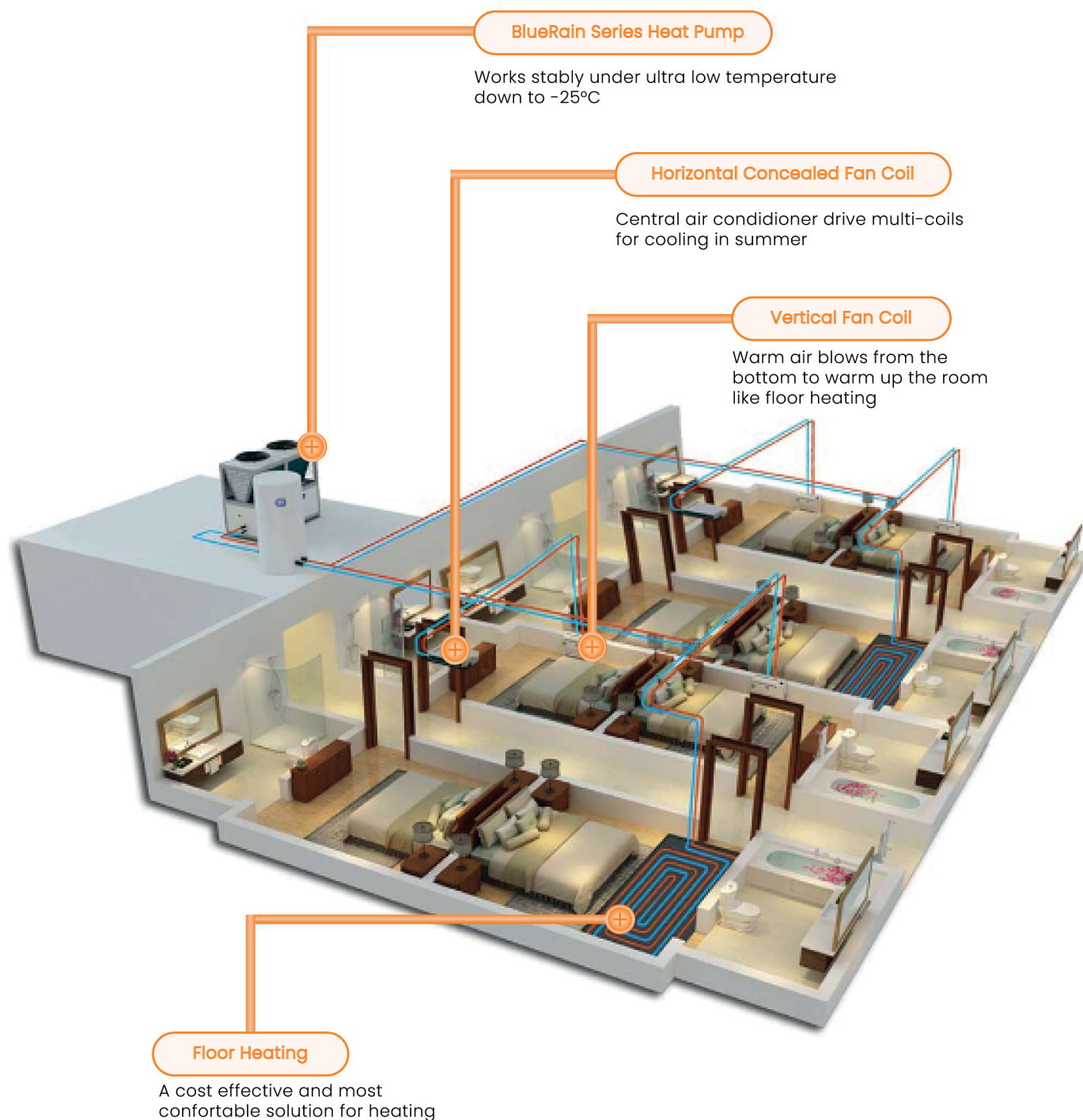
A well-known international compressor with high performance is resistant to high temperature, high pressure, and secures low noise, and has a long service life.





Solution for Large-scale Heating and Cooling

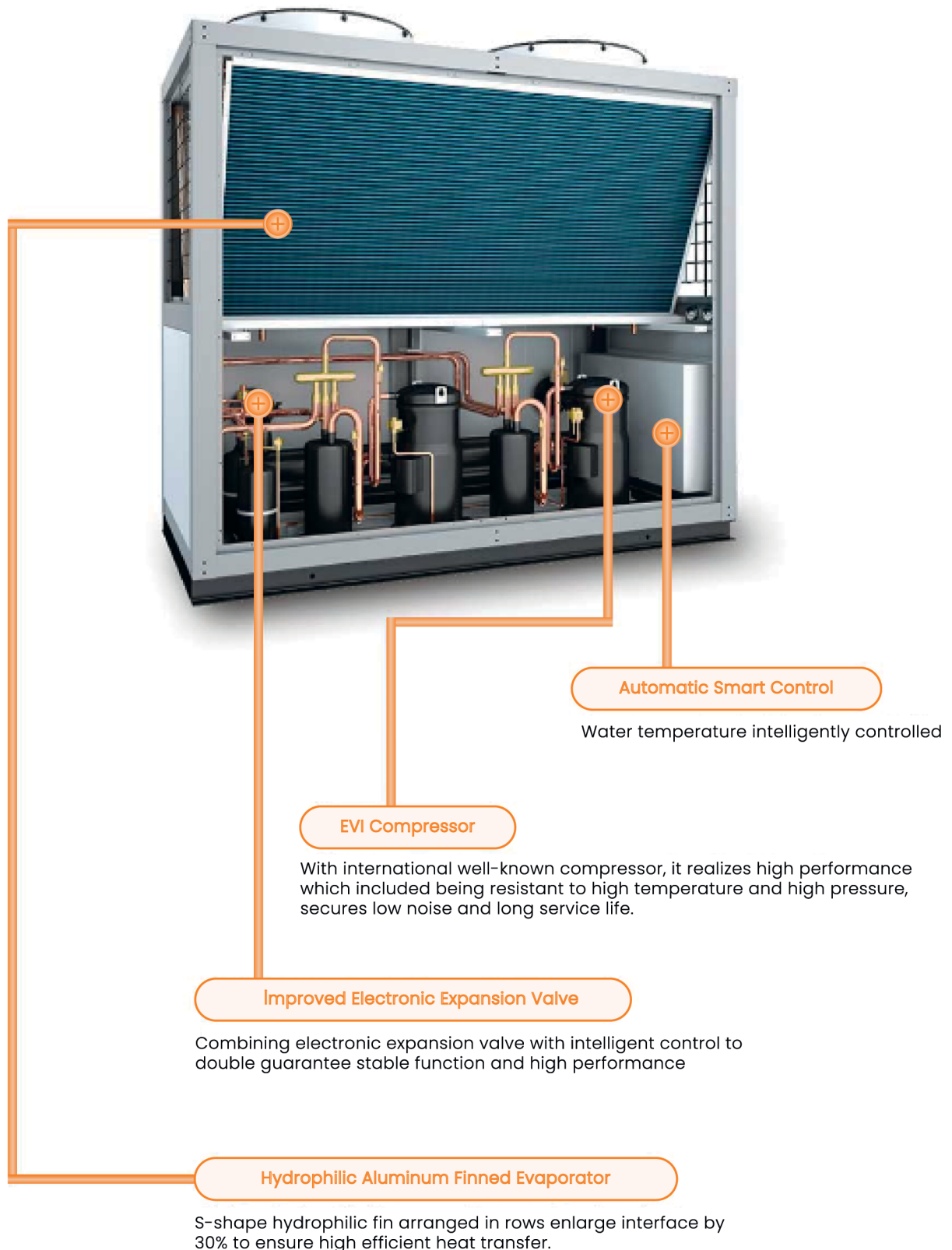
Applied to some large-scale public places in cold climate areas for heating and cooling.



Advantages of BlueRain Series(EVI)



By applying EVI technology, the BlueRain Series heat pump can maintain stable working at ambient temperatures as low as -25°C , or even function better when at a lower temperature.



Specifications



BLUE SERIES		ALD-EAMB35	ALD-EAMB50	ALD-EAMB90
Power Supply	(V/Ph/Hz)	380-415V/3N~/ 50Hz		
Operation Range	°C	-25~43	-25~43	-25~43
[Space Heating] Ambient Temperature (DB/WB): 7°C/6°C, Water Temperature (Inlet/Outlet): 30°C/35°C.				
Heating Capacity	kW	33.68	50.00	88.58
Power Input	kW	9.36	13.17	24.07
COP	/	3.6	3.52	3.5
[Space Heating] Ambient Temperature (DB/WB): -12°C/-14°C, Water Temperature (Inlet/Outlet): 50°C/55°C.				
Heating Capacity	kW	27.28	40.00	71.75
Power Input	kW	11.14	15.14	29.17
COP	/	2.45	2.48	2.46
[Space Cooling] Ambient Temperature (DB/WB): 35°C / -, Water Temperature (Inlet/Outlet): 12°C/7°C.				
Cooling Capacity	kW	23.2	40.00	65
Power Input	kW	8.35	12.2	23.8
EER	/	2.78	2.65	2.73
Max. Power Input	kW	13.5	19	36
Max. Running Current	(A)	25	34	65
Max. Outlet Water Temp.	°C	60	60	60
Rated Water Flow Volume	m³/h	5.79	7.97	15.23
Water Pressure Drop	kPa	60	40	45
Sound Pressure at 1m	dB(A)	≤64	≤64	≤69
Water Pipe Connection	in/out	G1-1/4" (Male)	G1-1/2" (Male)	2-1/2" (Flange)
Refrigerant Type	/	R410A		
Water Proof Class	/	IPX4		
Net Dimensions (L×W×H)	(mm)	1555x870x1322	1500x860x1430	1954x957x2021



BLUE SERIES		ALD-EAMB175	ALD-EAMB275	ALD-EAMB320
Power Supply	(V/Ph/Hz)	380-415V/3N~/ 50Hz		
Operation Range	°C	-25~43	-25~43	-25~43
[Space Heating] Ambient Temperature (DB/WB): 7°C/6°C, Water Temperature (Inlet/Outlet): 30°C/35°C.				
Heating Capacity	kW	173.04	273.98	320
Power Input	kW	49.16	78.28	89.2
COP	/	3.52	3.5	3.59
[Space Heating] Ambient Temperature (DB/WB): -12°C/-14°C, Water Temperature (Inlet/Outlet): 50°C/55°C.				
Heating Capacity	kW	140.16	221.92	236
Power Input	kW	56.52	91.7	87
COP	/	2.48	2.42	2.71
[Space Cooling] Ambient Temperature (DB/WB): 35°C / -, Water Temperature (Inlet/Outlet): 12°C/7°C.				
Cooling Capacity	kW	130	191	304
Power Input	kW	46.6	68	87.6
EER	/	2.79	2.71	3.47
Max. Power Input	kW	71	121	160
Max. Running Current	(A)	131	236	200
Max. Outlet Water Temp.	°C	60	60	55
Rated Water Flow Volume	m³/h	29.76	47.12	52.3
Water Pressure Drop	kPa	60	70	40
Sound Pressure at 1m	dB(A)	≤75	≤85	≤88
Water Pipe Connection	in/out	2-1/2" (Flange)	3" (Flange)	3" (Flange)
Refrigerant Type	/	R410A		
Water Proof Class	/	IPX4		
Net Dimensions (L×W×H)	(mm)	2400x1300x2260	2400x1300x2260	2490x2210x2600





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