FLOOR HEATING HEAT PUMP

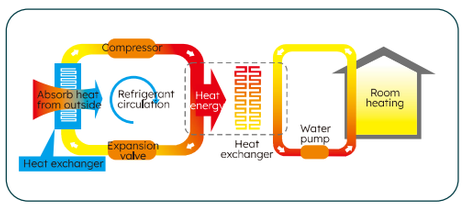
DL

The floor heating heat pump uses a small amount of electric energy to drive the floor heating heat pump unit to operate. It transfers the energy in the air to the water through a heat exchanger to generate high-temperature hot water above 40°C. Through the water pump circulation, high-temperature hot water flows at the ends of the room, such as floor heating pipes, fan coils, and radiators, releasing heat into the room, thereby increasing the indoor temperature to achieve heating purposes. Floor heating heat pumps have significant energy-saving effects and can achieve a high COP even in cold winters. They are a more energy-saving and environmentally friendly heating method than traditional heating.

AQUA floor heating heat pump adopts jet enthalpy increasing technology, which makes the unit operate more reliably and work more efficiently in low temperature environments.

From the perspective of health and comfort, the ideal indoor temperature in winter is between 18-20°C. The heating temperature is distributed vertically from the floor to the ceiling, which can keep the human body's feet warm and the mind clear.

Recovered air heat energy + Small electricity bill = Warm Winter



- Built-in water flow protection, compressor exhaust temperature protection, compressor high and low pressure protection, compressor over current protection, power supply phase error protection (available in three-phase models), and winter antifreeze protection.
- Adopting low-noise compressor and fan design, the unit operates quietly.
- Large-screen LCD display with back light, easy to operate, water temperature 30°C-60°C can be set freely, cycle timing on/off can be set, and power failure memory function.
- EVI air-supplementing and enthalpy-increasing hot water heat pump works reliably all day long.

DL Series Floor Heating Heat Pump

Model			DL-30(E)	DL-50(E)	DL-70(E)	DL-100(E)	DL-120(E)	DL-150(E)
Heating Condition 1 (A7°C/W45°C)	Heating Capacity	kW	7.5	14.5	20.0	28.5	34.3	43.0
	COP	W/W	3.62	3.62	3.62	3.62	3.62	3.62
	Power	kW	2.1	4.0	5.5	7.9	9.5	11.9
	Current	A	9.4	6.8	9.4	13.4	16.2	20.3
Heating Condition 2 (A-12°C/W41°C)	Heating Capacity	kW	5.2	10.0	13.7	19.8	23.7	29.8
	COP	W/W	2.5	2.5	2.5	2.5	2.5	2.5
	Power	kW	2.1	4.0	5.5	7.9	9.5	11.9
	Current	A	9.5	6.8	9.4	13.5	16.2	20.3
Heating Condition 3 (A-20°C/W41°C)	Heating Capacity	kW	4.3	8.3	11.4	16.3	19.6	24.5
	COP	W/W	2.03	2.05	2.05	2.05	2.05	2.05
	Power	kW	2.1	4.0	5.6	8.0	9.6	12.0
	Current	A	9.6	6.9	9.5	13.6	16.3	20.4
Power Supply		/	220V/~/50Hz			380V/3N~/50Hz		
Max. Current Input		A	17	13	17	23	26	32
Max. Power Input		kW	3.7	7.3	9.5	12.9	14.5	17.9
Compressor Type		/	Rotary			Fully enclosed scroll		
Water Pressure Drop		kPa	91	105	190	104	180	180
Noise		dB(A)	58	60	63	65	66	68
Connection Size		mm	DN25 FemaleThread	DN32 FemaleThread	DN32 FemaleThread	DN40 FemaleThread	DN40 FemaleThread	DN50 FemaleThread
Water Flow		m³/h	2.5	4	6	8	10	12
Refrigerant		/				R410A		
Operating Temperature Range		°C				-30~45		
Dimensions (L*W*H)		mm	768*709*868	805*750*1068	870*810*1268	1450*780*1073	1450*780*1223	1480*900*1660
Weight		kg	110	170	190	225	285	420

- Heating Condition 1: Outdoor Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Out): 45°C.
- Heating Condition 2: Outdoor Ambient Temp. (DB/WB): -12°C/-14°C, Water Temp. (Out): 41°C.
- Heating Condition 3: Outdoor Ambient Temp. (DB/WB): -20°C, Water Temp. (Out): 41°C.
- The data above is for reference only. For model specifications, please refer to the nameplate on the unit.