

# LSB Reciprocating Water-Cooled Water Chiller

**Products feature:**

**Environment protective:** the boiler system can be omitted in heating, no burning avoid the pollution to the atmosphere. Cooling tower can be omitted in cooling mode, thus the noise and the mildew pollution brought by the cooling tower can be avoided.

**Energy-saving:** Heat energy of 4kW can be produced at a cost of 1kW electric power in winter; cooling capacity more than 4kW can be produced at a cost of 1kW electric power in summer. The energy efficiency is 3~4 times of the electric heating

**Space-saving:** boiler house and relative coal ground and residue ground can be omitted, thus the soil resource can be saved

**Water-saving:** water is just served as a medium, the unit absorb heat from is or let out heat to it to make the room warm or cool. The water source will not be consumed and polluted.

**Money-saving:** one set of system is used for heating and cooling. One-time investment is only 1/2~2/3 of the traditional heating and cooling mode; the operating cost is just 1/2~2/3 of the traditional mode.



**Performance data of LSB**

Item	Model	LSB400	LSB530	LSB800
Cooling capacity	kW	400	533	800
Power input	kW	100	133	200
Compressor	Qty	3	4	6
Energy adjustment mode		Automatic		
Energy adjustment range %		33,66,100	25,50,75,100	16,33,50,66,83,100
Refrigerant R22	Incharge (kg)	76	2×56	2×76
Electrical specification	Power supply	380-3ph-50Hz		
	Protection	High/low pressure\waterlacking\anti-frozen\ compressor overloading\oil heater\safety valve		
Chilled water flow	t/h	68.6	91.4	137.2
Cooling water flow	t/h	85.7	114.2	171.4
Condenser	Temperature of inlet water (°C)	26~32	26~32	
	Max. pressure of condensing(Mpa)	1.9		
	Max. pressure of water side (Mpa)	1.0		
	Pressure drop of water side (Kpa)	50	50	50
	Water connector (mm)	DN80	DN80	DN80×2
Evaporator	Temperature of outlet water (°C)	7-11		
	Max. pressure of water side (Mpa)	1.0		
	Pressure drop of water side (Kpa)	50	50	50
	Water connector (mm)	DN125	DN125	DN125
Coefficient of dirt	(m <sup>2</sup> .k/kw)	0.084		
Dimension	Length×Width×Height (mm)	3550×1050×1800	2950×1180×2000	4000×1180×2010
Weight	kg	3000	3800	5500

**Note:**

Cooling condition: Temperature of inlet chilled water 12 °C, temperature of outlet chilled water 7 °C.  
 Temperature of inlet cooling water 30 °C, temperature of outlet cooling water 35 °C.