

HIGH TEMPERATURE HEAT PUMP



L-ST Series 80°C High Temperature Heat Pump

- 
 Delivers 80°C outlet water temperature
- 
 Features premium brand compressors
- 
 Multiple protection Safe and reliable
- 
 Energy-efficient and eco-conscious design
- 
 For various pools heating

L-ST Series (L-100-ST~L-600-ST)

- High quality brand compressor to ensure stable, efficient operation of the system and continuous production of high-temperature hot water.
- The control system adopts Siemens heat pump dedicated POL461 PCB, providing high-precision PID calculation, and the core key components are Siemens electrical components to ensure stable and trouble-free operation under high temperature extreme conditions.
- Adopt fin-shaped copper tube heat exchange high-efficiency tank for water-fluorine heat exchange, increase the equivalent heat exchange area of copper tube, and ensure that heat is quickly exchanged with water.
- The outlet water temperature reaches 80°C, meeting the needs of special high water temperature.
- The 80°C high temperature heat pump model covers a range of 10-50HP, basically meeting the needs of most applications in the market.

Suitable for central heating, chemical industry, high temperature heat exchange and other needs.

L-ST Series High Temperature Heat Pump

Model		L-100-ST	L-150-ST	L-200-ST	L-250-ST	L-300-ST	L-400-ST	L-500-ST	L-600-ST	
Rated Heating (A20°C/W80°C)	Heating Capacity	kw	23.5	36.0	46.0	55.0	72.0	95.0	110.0	130.0
	COP	w/w	2.61	2.67	2.65	2.62	2.57	2.57	2.53	2.45
	Power	kw	9.0	13.5	17.5	21.0	28.0	37.0	43.5	53.0
	Current	A	15.4	23.0	29.9	35.9	47.8	63.2	74.3	90.5
Power Supply	/	380V/3N~/50Hz								
Max. Current Input	A	23	33	47	56	65	90	115	132	
Max. Power Input	kw	12.9	18.5	26.5	31.3	36.4	50.5	64.3	73.8	
Compressor Type	/	Fully enclosed scroll								
Water Pressure Drop	kPa	104	180	75	90	90	150	150	150	
Noise	dB(A)	65	68	70	72	72	73	73	75	
Connection Size	mm	DN40 Male thread	DN40 Male thread	DN65 Flange	DN65 Flange	DN65 Flange	DN80 Flange	DN80 Flange	DN80 Flange	
Water Flow	m ³ /h	7	10	13	15	20	26	30	35	
Refrigerant	/	Mixed refrigerant R134/R410A								
Operating Temperature Range	°C	-5~45								
Fan Air Outlet Mode	/	Side air out	Side air out	Side air out	Side air out	Top air outlet	Top air outlet	Top air outlet	Top air outlet	
Dimensions(L*W*H)	mm	1500*500*1350	1800*600*1630	2000*600*1850	2000*600*1850	2200*1100*2200	2350*1150*2350	2350*1150*2250	2350*1150*2250	
Weight	kg	220	410	530	615	725	1085	1265	1425	

- Rated Heating Condition: Outdoor Ambient Temp. (DB/WB): 24°C/19°C, The initial water temperature: 15°C, the end temperature: 80°C.
 - The data above is for reference only. For model specifications, please refer to the nameplate on the unit.

HIGH TEMPERATURE HEAT PUMP