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## Low Temperature V-Type Swimming Pool Heat Pump



This series heat pump is designed for cold area, it can work with high efficiency even under  $-15^{\circ}\text{C}$  ( $-25^{\circ}\text{C}$  EVI heat pump is available on request). It is the best choice for swimming pool, SPA, sanitary hot water, house heating in cold area.

## LOW TEMPERATURE V-TYPE SWIMMING POOL HEAT PUMP

LASWIM low temperature V-type commercial swimming pool heat pump is specially designed for commercial applications in low temperature areas.

It works with high efficiency even under  $-10^{\circ}\text{C}$  ( $-30^{\circ}\text{C}$  EVI heat pump is available). This series heat pump is widely used for pools in hotels, SPA, water parks, gyms, competition pool, etc.

### Features

1. Intelligent control for constant pool water temperature (max  $40^{\circ}\text{C}$ )
2. Wide working air temperature range:  $-10^{\circ}\text{C}$  to  $45^{\circ}\text{C}$ .
3. Anti-corrosion titanium in PVC heat exchanger for durable use.
4. Adopts V-type evaporator, with large heat exchanging surface and great heat absorption.
5. Multiple protections for safe operation and long service life.
6. The housing adopts high-quality galvanized sheet, with strong corrosion resistance.
7. Powerful centralized control and remote control are available for convenient operation and maintenance.
8. Automatic and forced defrosting function.

Model			LAS35-KP-V	LAS42-KP-V	LAS52-KP-V	LAS70-KP-V	LAS85-KP-V	LAS105-KP-V	LAS140-KP-V	LAS180-KP-V	LAS210-KP-V
Standard heating condition	Heating	kW	40.2	48.2	56.3	80.4	96.4	112.6	160.8	192.8	225.2
	capacity										
	COP	...	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
Low temperature	Heating	kW	28.1	33.7	39.3	56.2	67.4	78.6	112.4	134.8	157.2
heating condition 1	capacity										
	COP	...	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91
Low temperature	Heating	kW	23.9	28.7	33.5	47.8	57.4	67	95.6	114.8	134
heating condition 2	capacity										
	COP	...	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32
Cooling condition	Cooling	kW	26.8	32.2	37.5	53.6	64.4	75	107.2	128.8	150
	capacity										
	EER	...	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Power supply		V/p h/Hz	380V/3N/50Hz								
Rated input power		kW	7.2	8.6	10.1	14.4	17.2	20.2	28.8	34.4	40.4
Rated input current		A	12.2	14.6	17.1	24.4	29.2	34.2	48.8	58.4	68.4
Max. Input power		kW	11.8	14.2	16.5	23.6	28.4	33	47.2	56.8	66
Max. Input current		A	19.8	23.8	27.7	39.6	47.6	55.4	78.2	95.2	110.8
Max. outlet water temperature		°C	40								
Operating air temperature		°C	-10~45								
Heat exchanger		...	Titanium in PVC heat exchanger								
Max. pressure		MPa	2.8/4.2								
Refrigerant		...	R22/R410A								
Noise level		dB(A)	≤64	≤64	≤65	≤66	≤67	≤68	≤70	≤71	≤71
Water inlet/outlet size		mm	50	50	50	50	50	50	65	65	65
Circulating Water		m³/h	8.6	10.4	12.1	17.3	20.7	24.2	34.6	41.5	48.4

flow rate										
Water pressure drop	kPa	40	41	42	63	68	69	52	53	54
Net weight	Kg	330	350	410	600	680	750	1000	1050	1180
Net dimension L*W*H	mm	1400*900*1600	1400*900*1600	1400*900*1600	1900*1000*1960	1900*1000*1960	1900*1000*1960	1900*2000*1960	1900*2000*1960	1900*2000*1960

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