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Low Temperature L-Type Swimming Pool Heat Pump



LASWIM low temperature L-type pool heat pump is designed with large air volume and has superior heating performance even at low temperature of -15°C , ultra-low temperature unit can be workable at -25°C . The design and specification of this series heat pump is specially suitable for large or medium-sized swimming pool and water environment project, such as natatorium, sports center, school swimming pool, hot spring, water park, real estate clubs and other large or medium-sized indoor swimming pool and water environment projects.

LOW TEMPERATURE L-TYPE SWIMMING POOL HEAT PUMP

LASWIM low temperature L-type pool heat pump is designed with large air volume and has superior heating performance even at low temperature of -15°C , ultra-low temperature unit can be workable at -25°C . The design and specification of this series heat pump is specially suitable for large or medium-sized swimming pool and water environment project, such as natatorium, sports center, school swimming pool, hot spring, water park, real estate clubs and other large or medium-sized indoor swimming pool and water environment projects.

Features:

1.Strong heat capacity

With air intake from four side to maximize the heat exchange area, this series heat pump has strong heating capacity even in low temperature or ultra-low temperature environments, to achieve the best performance.

2.Environmental refrigerant

Using R410A high efficiency refrigerant, safe and environmental.

3. Small footprint

Adopt upper and lower structure, with small footprint, not only can effectively reduce the cost of transportation, but also very suitable for compact space construction and installation.

4.Simple maintenance

Enclosure board disassembly is very convenient, and the daily maintenance and maintenance of core components is very simple.

5.Durable

The use of high-quality accessories for durable and long life span.

6.Special design for large and medium-size water environment projects

Heating capacity from 16KW to 225KW (other specifications can be customized), suitable for various large and medium-size swimming pools and water environment projects, can be modular assembly according to actual needs, simple operation and intelligent control.

Model		LAS140-KP-L	LAS180-KP-L	LAS210-KP-L
A20/W26 Condition	Heating capacity(kW)	160.8	192.8	225.2
	COP	5.58	5.58	5.58
A2/W26 Condition	Heating capacity(kW)	112.4	134.8	157.2
	COP	3.91	3.91	3.91
A-6/W26 Condition	Heating capacity(kW)	95.6	114.8	134
	COP	3.32	3.32	3.32
Cooling condition(35°C)	Cooling capacity (Kw)	107.2	128.8	150
	EER	3.2	3.2	3.2
Power supply	V/ph/Hz	380V/3N~/50Hz		
Rated input power	Kw	28.8	34.4	40.4
Rated input current	A	48.8	58.4	68.4
Max.input power	kW	47.2	56.8	66
Max.input current	A	79.2	95.2	110.8
Max.outlet water temperature	°C	40		
Grade of waterproof	————	IPX4		
Anti-shock type	————	I		
Operating air temperature	°C	- 15°C~45°C		
Heat exchanger	————	PVC+Titanium		
System max.pressure	Mpa	4.2		
Refrigerant	————	R410A		
Noise	dB(A)	≤70	≤71	≤71
Water inlet/outlet size	————	DN65(Internal)	DN65(Internal)	DN65(Internal)
Circulating water flow rate	m³/h	34.6	40.6	48
Pressure drop	kpa	52	53	54
Net weight	kg	1000	1050	1180
Dimensions	L(mm)	2305	2305	2305
	W(mm)	1400	1400	1400

	H(mm)	2300	2300	2300
Model		LAS140-KPC-L	LAS180-KPC-L	LAS210-KCP-L
A20/W26 Condition	Heating capacity(kW)	168.8	202.4	236.4
	COP	5.86	5.86	5.86
A7/W26 Condition	Heating capacity(kW)	130	156	182
	COP	4.52	4.52	4.52
A2/W26 Condition	Heating capacity(kW)	118	141.6	165.2
	COP	4.11	4.11	4.11
A-6/W26 Condition	Heating capacity(kW)	100.4	120.4	140.4
	COP	3.49	3.49	3.49
A-12/W26 Condition	Heating capacity(kW)	88.4	106	123.6
	COP	3.07	3.07	3.07
A-20/W26 Condition	Heating capacity(kW)	74.4	89.2	104
	COP	2.58	2.58	2.58
Cooling condition(35°C)	Cooling capacity (Kw)	112.4	134.8	157.2
	EER	3.36	3.36	3.36
Power supply	V/ph/Hz	380V/3N~/50Hz		
Rated input power	Kw	28.8	34.4	40.4
Rated input current	A	48.8	58.4	68.4
Max.input power	kW	47.2	56.8	66
Max.input current	A	79.2	95.2	110.8
Max.outlet water temperature	°C	40		
Grade of waterproof	_____	IPX4		
Anti-shock type	_____	I		
Operating air temperature	°C	- 30°C~45°C		
Heat exchanger	_____	PVC+Titanium		
System max.pressure	Mpa	4.2		
Refrigerant	_____	R410A		

Noise	dB(A)	≤70	≤71	≤71
Water inlet/outlet size	————	DN65(Internal)	DN65(Internal)	DN65(Internal)
Circulating water flow rate	m³/h	36.4	43.6	51
Pressure drop	kpa	52	53	54
Net weight	kg	1030	1080	1230
Dimensions	L(mm)	2305	2305	2305
	W(mm)	1400	1400	1400
	H(mm)	2300	2300	2300

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