



## SWIMMING POOL AIR SOURCE HEAT PUMP

Air source heat pump mainly has four major components: evaporator, compressor, condenser and expansion valve. By allowing the refrigerant to continuously complete the heat cycle process of evaporation (absorbing heat from the environment), compression condensation (releasing heat), throttling and re-evaporation, the heat of the environment is transferred to the water.

Compact and beautiful structure, uniform air flow distribution, high heat exchange efficiency; All day long operating and not affected by bad weather.

High-efficiency pure titanium heat exchanger, corrosion-resistant. Suitable for heating needs in various places. Automatically controls heating mode, energy-saving and environmentally friendly. Automatic heating, automatic defrosting. Multiple protections, safe and reliable. Built-in water flow protection, compressor exhaust temperature protection, compressor high and low pressure protection, compressor over current, power supply phase loss protection (three-phase model only), winter anti-freezing protection.

It is widely used in various swimming pools heating. Especially today when fuel is becoming increasingly tight, it reflects the superiority of heat pumps.

### V <Regular Type>

Galvanized sheet baking paint anti-UV powder coating shell.



**NORMAL  
TEMPERATURE  
TYPE**

**LOW TEMPERATURE  
TYPE**

• Customizable stainless steel construction  
Stainless Steel 304 Shell.



High efficiency pure titanium heat exchanger  
Corrosion resistant



For various pools heating



Flexible settings  
Automatic control



Automatic heating  
Automatic defrost



Multiple protection  
Safe and reliable



## SWIMMING POOL AIR SOURCE HEAT PUMP

### V Series <Regular Type>

#### NORMAL TEMPERATURE TYPE

Model		V-030N	V-050N	V-070N	V-100N	
Rated Heating (A24°C/ W26°C)	Heating Capacity	kw	15.0	25.0	35.0	42.0
	COP	W/W	5.6	5.2	5.2	5.2
	Power	kw	2.7	4.8	6.7	8.1
	Current	A	12.2	8.2	11.5	13.8
Nominal Heating (A20°C/ W26°C)	Heating Capacity	kw	13.1	22.9	32.3	38.7
	COP	W/W	4.8	4.8	4.8	4.8
	Power	kw	2.7	4.8	6.7	8.1
	Current	A	12.4	8.1	11.5	13.8
Power Supply	/	220V~/50Hz		380V/3N~/50Hz		
Max. Current Input	A	17	11	14	17	
Max. Power Input	kw	3.7	6.2	7.8	9.5	
Compressor Type	/	Rotary		Fully enclosed scroll		
Water Pressure Drop	kPa	30	36	41	42	
Noise	dB(A)	58	60	62	62	
Connection Size(PVC)	mm	DE50 Union	DE50 Union	DE50 Union	DE50 Union	
Water Flow	m <sup>3</sup> /h	5	8	10	13	
Refrigerant	/	R410A				
Operating Temperature Range	°C	-12~45				
Dimensions (L*W*H)	mm	705*654*915	855*804*965	855*804*1065	855*804*1165	
Weight	kg	105	150	160	175	

- Rated Heating Condition: Outdoor Ambient Temp. (DB/WB): 24°C/19°C, Water Temp. (In): 26°C.  
 - Nominal Heating Condition: Outdoor Ambient Temp. (DB/WB): 20°C/15°C, Water Temp. (In): 26°C.  
 - The data above is for reference only. For model specifications, please refer to the nameplate on the unit.

#### LOW TEMPERATURE TYPE

Model		V-030N(E)	V-050N(E)	V-070N(E)	V-080N(E)	
Heating Condition 1 (A20°C/W26°C)	Heating Capacity	kw	13.1	22.9	32.3	38.7
	COP	W/W	4.8	4.8	4.8	4.8
	Power	kw	2.7	4.8	6.7	8.1
	Current	A	12.4	8.1	11.5	13.8
Heating Condition 2 (A7°C/W26°C)	Heating Capacity	kw	11.2	20.5	25.8	29.2
	COP	W/W	4.35	4.35	4.35	4.35
	Power	kw	2.6	4.7	5.9	6.7
	Current	A	11.7	8.0	10.1	11.5
Heating Condition 3 (A2°C/W26°C)	Heating Capacity	kw	10.8	19.5	24.2	27.6
	COP	W/W	4.13	4.13	4.13	4.13
	Power	kw	2.6	4.7	5.9	6.7
	Current	A	11.9	8.1	10.0	11.4
Heating Condition 4 (A-12°C/W26°C)	Heating Capacity	kw	8.1	14.3	18.1	20.6
	COP	W/W	3.1	3.1	3.1	3.1
	Power	kw	2.6	4.6	5.8	6.6
	Current	A	11.9	7.9	10.0	11.3
Power Supply	/	220V~/50Hz		380V/3N~/50Hz		
Max. Current Input	A	17	11	14	16	
Max. Power Input	kw	3.7	6.2	7.8	9.0	
Compressor Type	/	Rotary		Fully enclosed scroll		
Water Pressure Drop	kPa	30	36	41	42	
Noise	dB(A)	58	60	62	62	
Connection Size(PVC)	mm	DE50 Union	DE50 Union	DE50 Union	DE50 Union	
Water Flow	m <sup>3</sup> /h	5	8	10	12	
Refrigerant	/	R410A				
Operating Temperature Range	°C	-30~45				
Dimensions (L*W*H)	mm	705*654*915	855*804*965	855*804*1065	855*804*1165	
Weight	kg	108	155	165	180	

- Heating Condition 1: Outdoor Ambient Temp. (DB/WB): 20°C/15°C, Water Temp. (In): 26°C.  
 - Heating Condition 2: Outdoor Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (In): 26°C.  
 - Heating Condition 3: Outdoor Ambient Temp. (DB/WB): 2°C/1°C, Water Temp. (In): 26°C.  
 - Heating Condition 4: Outdoor Ambient Temp. (DB/WB): -12°C/-14°C, Water Temp. (In): 26°C.  
 - The data above is for reference only. For model specifications, please refer to the nameplate on the unit.

