Pecol™

Innovations In Green Energy
(since 1968)

Website: www.pecol.com.my



House Spa & Commercial

Swimming Pool Heat Pump

GuangDong Fineco New Energy Co., Ltd

Air Source And Water Source Heat Pump As A One-Stop Solution Supplier

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ENTERPRISE CULTURE »»

MISSION

Make the world's best heat pump, make human life warmer!

VISION

Let every family have a comfortable and healthy environment.

CORE VALUES

Innovation, Honesty, Service,Gratitude.



Website: www.ecosourcehub.com

FENECO Make Life Warmer

Company Profile »»

Pecol New Energy is a national high-tech enterprise specializing in the research and development, production, and sales of heat pumps and commercial air conditioners. The technical research and development team has over 51 years of industry experience, absorbing and introducing advanced technology from European heat pump manufacturing. The company's products include air source heat pumps, water source heat pumps, commercial air conditioners, etc. Mainly serving homes, schools, hotels, enterprises and institutions, it can simultaneously meet multiple needs such as domestic hot water, heating, and cooling. PECOL heat pump products have the characteristics of high energy efficiency, low noise, fast heating, ultra energy-saving, and intelligence. The products meet the requirements of strong heating at -38°C ultra-low temperature in winter and strong cooling at 52°C high temperature in summer.





The company's production base is located in Malaysia, with three professional host production lines and an annual output of up to 80000 units. We also have professional inspection rooms, long-term fatigue operation laboratories at -30°C, and comprehensive testing laboratories for explosion-proof heat pumps at -40°C, among other advanced equipment in the industry, to ensure that the products developed and produced can receive comprehensive testing and full validation. Its products are mainly exported to 46 countries and regions such as Europe, the Americas, Australia, Africa, and Southeast Asia, and are highly welcomed and praised by the market and customers.

The company adheres to the principle of "technological innovation, leading service, integrity and win-win, and pursuit of excellence", and is committed to becoming the world's most energy-saving and environmentally friendly technology leading enterprise, making unremitting efforts to create world-class quality products!

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Applicable place

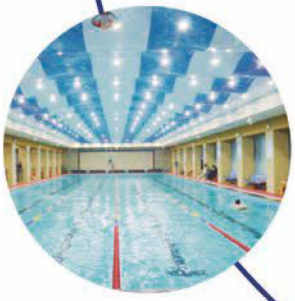

hotel


spa


school




gym


sport center


water park


hot spring resort

It's suitable for large pools in hotel, public parks, schools, sport center, gyms etc.

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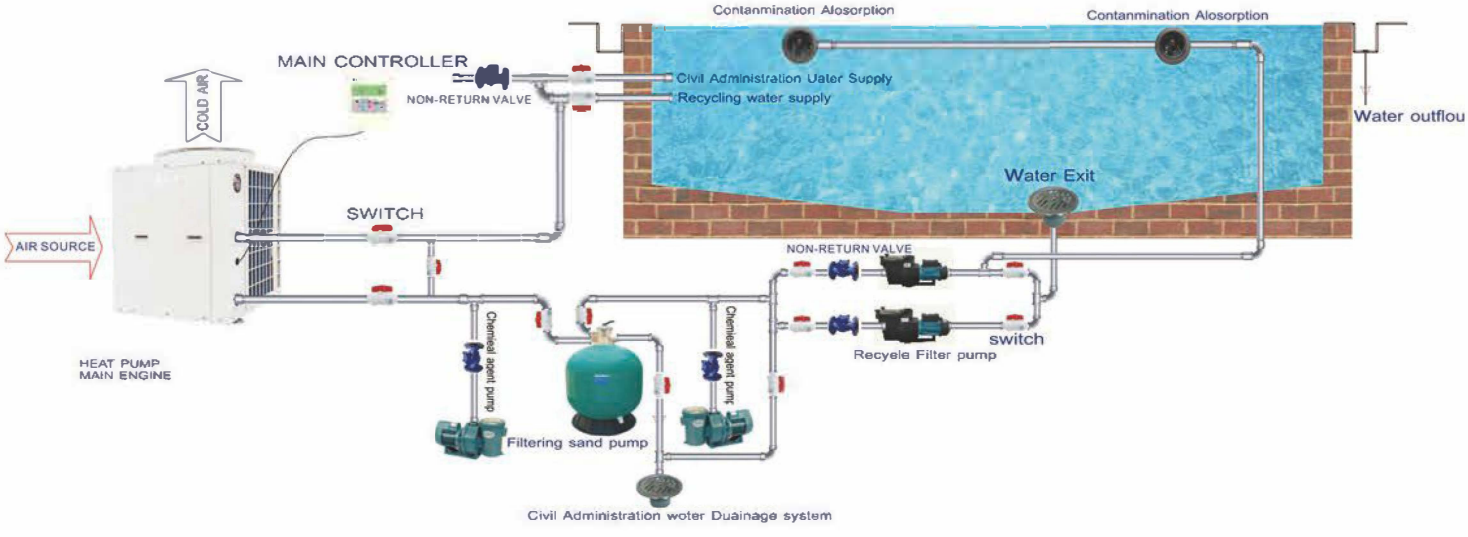


HOUSE SPA AND COMMERCIAL SWIMMING POOL HEAT PUMP

Description

This House Spa and Commercial Swimming Pool Heat pump are specially developed for Commercial pool or spa water temperature control. With intelligent control system are let the units high efficiency and stable working performance. The COP of this type heat pump could be as high as 5.4 at working condition 20/15(DB/WB), which saves you at least 80% energy compared with traditional electric swimming pool heating equipments.
Suitable for large pools in hotel, public parks, schools, sport center, gyms, house spa, etc.

Installation Diagram



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LEADING BRAND IN EXPORTING HEAT PUMP



Efficient blades optimized air duct design



Mute energy efficient motor



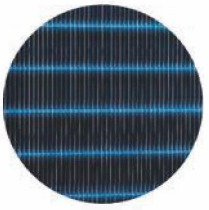
World famous scroll compressor



Intelligent control program



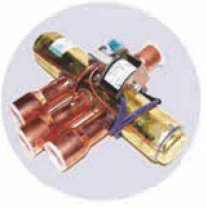
High-efficiency tank or plate heat exchanger



High efficiency hydrophilic aluminum foil fin evaporator, large amount of air inlet



EEV, precise flow control



Fully automatic four-way valve



Intelligent controller display

- Human intelligent control
- Long wired distant control
- Multiple timing function
- Internet control support
- Automatic power-off memory function
- Automatic diagnose, error code for trouble
- Available to inquiry any parameter
- Convenient maintenance



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LEADING BRAND IN EXPORTING HEAT PUMP

House Spa & Commercial Swimming Pool Heat Pump

Model		XD-BKR02Y	XD-BKR03Y	XD-BKR05Y	XD-BKR08Y	XD-BKR10Y	XD-BKR12Y	XD-BKR15Y	XD-BKR20Y	XD-BKR25Y
HP		2HP	3HP	5HP	08HP	10HP	12HP	15HP	20HP	25HP
Working Temp.	℃	-7～43								
Rated Heating Capacity	kW	9.4	13	21	38	45	55	70	85	105
COP	W/W	5.1	5.1	4,95	4.96	4.85	4.95	5.0	5.1	5.2
Rated Cooling Capacity	kW	7.2	8.6	14.7	27	31.5	38.5	58	59.5	73.5
EER	WW	2.69	2.68	2.72	2.71	2.78	2.75	2.78	2.71	2.7
Max.Water Temp.	℃	45								
Rated Input Power (Heating/Cooling)	kW	1.8/2.5	2.5/3.2	4.24/5.4	7.7/9.7	9.3/11.3	11.1/14	15/21	16.7/22	20.2/27
Rated Input Current (Heating/Cooling)	A	8.1/11	4.6/5.3	7.5/7.8	11.6/14.7	17/20.9	21.2/23.7	24/28	28.1/30.8	40/45
Max.Wroking Power	kW	3.2	3.4	6.1	10	13.5	15.1	22	25	33
Max.WrokingCurrent	A	14	8	12	20	24	28	32	35	50
Power Supply	V/Ph/Hz	220-240V1N~/50Hz		380-415V3N-/50Hz						
Compressor Type	1	Copeland Scroll								
Number of Compressors	pcs	1	1	1	1	2	2	2	2~4	2~4
Heat Exchanger	/	PVC Titanium tube in shell								
Fan Direction	1	Vertical								
Number of Fans	pcs	1	1	1	1	2	2	2	2	2
Fan Air Flow Volume	m³/h	3200	3900	6500	8500	13000	19500	21000	28000	28000
Fan Input Power	W	90	90	250	250	250×2	250×2	550×2	550×2	750×2
Refrigerant	1	R22/R407CIR417A/R410A								
Noise	dB(A)	54	55	58	60	65	65	68	68	68
Piping Diameter	1	DN25	DN40	DN40	DN50	DN50	DN50	DN80	DN80	DN80
Water Loss Pressure	kPa	10	12	12	13	15	15	16	16	16
Water Flow Volume	m³/h	3.2	4	6	9	12	14	15	23	28
Unit Size	mm	990*350*550	990*350*550	750*750*1070	750*750*1170	1495*750*1070	1495*750*1070	1510*810*1520	1850*1000*1935	2000*1000*1960
Packing Size	mm	1010*370*670	1010*370*670	780*780*1180	780*780*1270	1510*770*1180	1510*770*1180	1580*880*1680	1900*1020*2180	2050*1020*2180
Net Weight	kg	45	51	85	120	190	200	300	400	550
Gross weight	kg	50	54	90	130	200	210	315	420	580

Remarks:
Heating condition: Outdoor DB/WB temp: 24℃/19℃ , 62.5%RH, inlet water temp : 26℃
Cooling condition: Outdoor DB/WB temp: 43℃/37℃ ,68%RH,inlet water temp : 32℃.

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LEADING BRAND IN EXPORTING HEAT PUMP



COMMERCIAL CONSTANT TEMPERATURE SWIMMING POOL HEAT PUMP



XD-BKR02Y



XD-BKR03Y



XD-BKR05Y



XD-BKR08Y



XD-BKR10Y、XD-BKR12Y



XD-BKR15Y



XD-BKR20Y、XD-BKR25Y

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Product advantages

Safe and reliable
Adopting air source heat pump technology, water and electricity separation, eliminating safety hazards!

Intelligent control
The unit is controlled by a microcomputer and does not require dedicated management.

Energy saving
An air source heat pump heats by absorbing the free energy of the surrounding air,Compared with traditional electric heating methods, it can save up to 80% energy.

24/7 operation
Safe operation 24/7 throughout the year, enjoying 24-hour central hot water.

Protect the environment
No exhaust gas generation, reducing CO2 emissions, saving liquefied gas and power. Heat pump technology for protecting ecological sustainability.

Featured
Domestic hot water, heating, and cooling; Industrial hot water, electroplating, bleaching and dyeingDrying, heating, etc.

Widely used
Family, villa, school, hospital, factory dormitory, hotel, restaurantSwimming pools, industries, etc

Easy to install
The unit has a compact structure and a small footprint, eliminating the need for a dedicated computer room.

-38°C Powerful Heating · High Efficiency · Energy Saving



LEADING BRAND IN EXPORTING HEAT PUMP

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Tel/whatsApp

60 3-7957 2588 (office) 60 12-387 9188 (chester)

Pecol Pacific Engineering Sdn Bhd

D-9-6, Level 9, Menara Uncang Emas, Jalan Loke Yew, 55200
Kuala Lumpur

whatsapp

Official website