CiNCO 吉博电子 NINGBO
GEEBO ELECTRONICS TECHNOLOGY CO.,LTD

CNC type Solar Air Conditioner

✧ Working Principle

Solar Air-Conditioner absorbs solar energy to heat the inside medium by using a vacuum solar collector. The refrigerant from the compressor goes through the copper coil inside the collector and undertake a heat exchange. The refrigerant heated by the medium inside the solar collector will go through a cycle inside the system cooling and heating. We use a smaller compressor instead of standard compressors to run our system which saves electricity dramatically. A smaller compressor consumes much less electricity and works together with our solar collector to saving electricity

✧ Compare with current products:

* Currently available technologies are neither practical nor cost-effective.

* Photovoltaic (PV) systems cost many times more than a conventional air conditioner.

* Thermally driven absorption cooling requires costly, high-temperature collectors and undesirable cooling towers.

✧ Advantage:

* Solar Air-Conditioner quite fits the seasonal demand, which means, the COP is increased as the solar energy is most plentiful in summer.

* Freon, widely used by conventional air-conditioner, is damaging our aerosphere. Our Solar Air-Conditioner works by our special medium and newest refrigerant which is completely environment friendly.

* Vacuum tube solar collector is invented in China decades ago, mature technology and high quality will guarantee the performance of the Solar Air-Conditioner.

* Solar Air-Conditioner is cost-effective.The system is produced in China, due to the low cost of

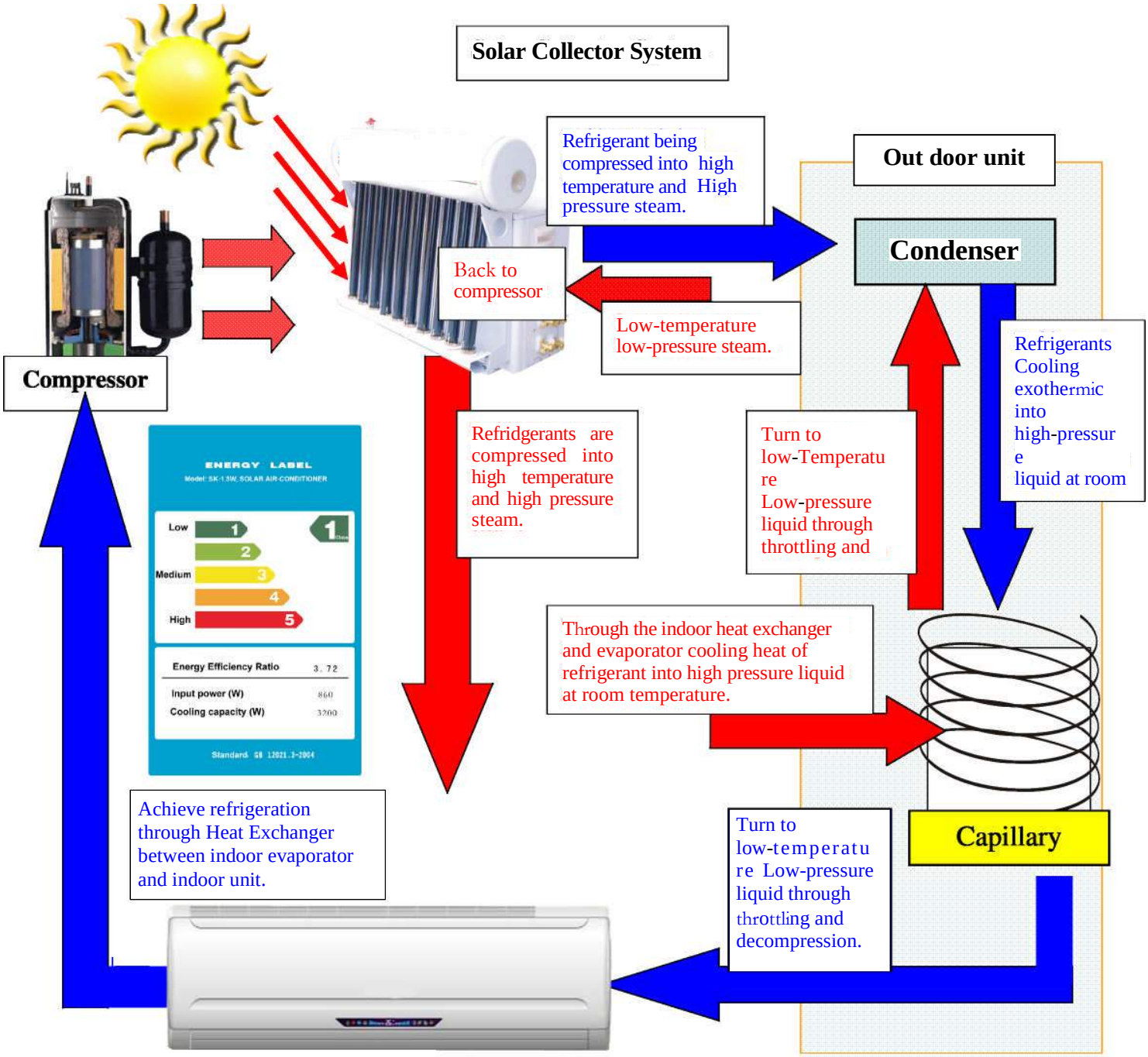
the labor, land and R&D. The price of our Solar Air-Conditioner system is really competitive and affordable for our clients.

* Our products have all the functions as the conventional A/C do. Such as dehumidification and ventilation, refresh the air inside.

* Our standard products have different capacity which is more easily to design the big system, fit the needs of any commercial project usage and makes the system more customized.

* Easy installation, for our products the installation is really easy. The system is compatible with conventional shafts. local conventional A/C installer can get the job done perfectly with 3 days training

Solar air conditioner method of operation!



How does our solar air-conditioner save energy?

Solar air conditioning saves energy, first and foremost, it uses solar energy, and second, it uses a highly efficient heat exchanger storage system for a certain amount of solar energy added for our solar air conditioner to work, and through this system is effective Matching, it greatly reduces the energy loss of the compressor; intelligent solar air conditioning control system can automatically guarantee most of the normal energy supply of the solar collector system. Secondly, the use of the thread pipe, hydrophilic trunk, the most optimized heat exchanger Matching system, reduces energy loss and improves the overall efficiency and effective guarantee of use results, no solar air-conditioner saves more than ordinary air-conditioner.

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Specification

Model No.			CNC26GW	CNC32GW	CNC35GW	CNC60GW	CNC72GW
Power Supply: 220-240V AC, 1PH, 50/60Hz							
Performance							
Capacity	Cooling	Btu/h	9000	11500	12000	20000	24000
		W	2600	3200	3500	6000	7200
	Heating	Btu/h	10000	12000	13000	22000	27000
		W	2900	3500	3800	6600	7900
Noise	Indoor	dB(A)	≤40	≤42	≤42	≤46	≤50
	Outdoor	dB(A)	≤50	≤50	≤52	≤56	≤58
Air Circulation		m^3/h	450	520	550	850	1050
Suitable Area		m^2	11~17	13~21	15~23	25~42	30~48
EER.		W/W	3.64	3.72	3.89	3.88	3.82
		Btu/h/w	12.42	12.69	13.27	13.24	13.03
Power Consumption							
Power Input	Cooling	W	650~770	780~940	800~1025	1350~1560	1700~1900
	Heating	W	650~780	780~950	800~1050	1350~1590	1700~1950
Rated current	Cooling	A	2.95~3.50	3.55~4.27	3.64~4.66	6.14~7.09	7.73~8.64
	Heating	A	2.95~3.55	3.55~4.31	3.64~4.77	6.14~7.23	7.73~8.66
Vacuum Tube	Diar*Length*Pcs		47*500*9mm	47*500*10mm	47*500*10mm	47*620*11mm	47*620*11mm
Dimensions							
Indoor Unit	Net	mm	700*230*160	785*285*210	785*285*210	985*320*215	985*325*230
	Shipping	mm	822*315*250	910*370*300	910*370*300	1070*370*260	1070*370*260
Outdoor Unit	Net	mm	610*260*520	790*260*540	790*260*540	850*300*755	940*300*755
	Shipping	mm	670*360*600	910*370*610	910*370*610	950*400*770	990*400*770
Water Tank	Shipping	mm	840*400*330	910*400*330	910*400*330	980*400*370	980*400*370
Vacuum Tank	Shipping	mm					
Weight							
Indoor Unit	NW/GW	kg	8/10	10.5/13	10.5/13	17/18.5	21/23
Outdoor Unit	NW/GW	kg	27/32	38/40	38/40	50/52	55/58
Solar Collector	NW/GW	kg	12/13	13/15	13/15	16/17	16/17

Performance Characteristics

High efficiently,energy-saving,comfortable and money saving,exceeding national first grade energy standard.
Durable and long-lived,smooth running.Low-loaded operation of the compressor to extend its duration.
Healthy and comfortable,constant temperature and keeping air conditioner disease away.
It is not frequency conversion air conditioner but superior to it because conversion type begins to save energy when the indoor temperature reaches the set value,while the hybrid solar air-conditioner runs in the optimal state immediately after starting and it achieves the sanme effects of traditional air conditioner with less power consumption.
Super luxurious appearance decorates your home.Indoor panel adopts aluminum alloy and wire drawing metal color board to make your house more sparkling.
Automatic open and close dustproof air outlet.
Easy installation,same as the traditional air conditioner.
With strong adaptability, solar air conditioner can run at super low and high temperature from -7℃ to 53℃.
Exceeding the national standards and applicable to all kinds of environment.

High Performance Japanese Brand Compressor

Durable and long-lived, smooth running. Low-loaded operation of the compressor to extend its duration.

Four-fold Heat Exchanger

As one of the main components of air conditioner, solar air conditioner adopts four-fold heat exchanger (take Supreme Silent as an example) heat exchanger effective area is increase by 20-40% than V-shape and flat heat exchangers, thus the cooling and heating effect are improved greatly.

High-quality Internal Thread Copper Pipe

Compared with normal copper pipe, the heat exchanging area of internal thread cooper pipe is significantly enlarged so does the exchange effect. Meanwhile, it can resist frosting and increase its starting ability at low temperature.

Hydrophilic aluminum foil to prevent the appearing of water bridge, thus to ensure the performance of heat exchange.