

The Energy Solutions of Withair Heat Pumps Catalogue 2017



Take Control of Your Energy Future !

Withair offers a wide range of clean energy products and solutions to meet the needs of your projects.



Ongoing innovation with cutting-edge products



Over 20 years of experience



Production 100% Made in China



Guaranteed support and spare parts



Support in design



Documentation for incentives



Two-year guarantee



Free training course

About Withair

Withair® is one leading manufacturer in sustainable energy solutions supplying HVACR products & services for cooling, heating, hot water, ventilation, industrial refrigeration and heat recovery that reflect today's demand for sustainable construction, comfortable indoor climate and industrial cooling process application. and specialize in heating & cooling system, air quality system and new energy development and utilization,now it has three factories,manufacturing different kinds of products, and committed to providing the first-class products & system solutions for customers.

At Withair®, our aim is to support the growth, profit, and sustainability goals of our clients by delivering innovative solutions with n x value.we gain a deep understanding of our client's needs and business objectives first and foremost by gaining and leveraging our technical knowledge, innovative thinking, and vast equipment resources. from heating & cooling solutions and air quality management,to energy performance and efficiency determination,Withair® delivers the results.

Withair® operates in a strongly impacting sector in the energy field, and its primary objectives include committing resources to continuous technological research and improvement of production processes, with the aim of streamlining products and raise users' awareness on the actual soundness of ensuing energy savings.

Withair® products & solutions combine utmost efficiency with minimum energy consumption and strict respect of the environment, the idea proved to be a winning one in just a few years, Withair® became the leader in the sector !



Low energy consumption systems

Use of clean energy

Use of environmentally-friendly cooling gases

ZERO direct CO2 emissions in the environment

Heat Recovery Heat Pumps - The most common, easiest and most profitable solution for cooling, heating and hot water

Not only do Withair® heat pumps offer economical heating of residential and commercial settings, they can also provide a total solution for domestic heating and hot water supply. Heat recovery from the ventilation air. A complete exhaust air heat pump providing heating, hot water, ventilation, preheated supply air and heat recovery. In a word, the energy from the warm indoor air is reused before it leaves the house through the ventilation system. With a Withair® heat recovery air heat pump, you only pay half at least, for cooling, heating and hot water. when cooling model, you can get free charge of hot water.

Air Cooled (Mini) Heat Pump with Domestic Hot Water



Air Cooled (Mini) Heat Pump with Domestic Hot Water

— Product Description —

Withair® heat pump is a very intelligent heat pump system with flexible capacity output. It could adjust heating capacity output automatically according to requirements. It is much more energy-saving with a long lifespan.

Withair® multifunction air source heat pump provides energy-efficient room heating and cooling for residential and small commercial application. Using free renewable energy from the air, the units are highly efficient with low running costs, low carbon emission and are able to be integrated with energy systems such as solar heater and boiler.

— The Key Advantages Include —

- ECO friendly refrigerant R410A, R407C.
- Intelligent defrost totally.
- Multi self-protection functions, such as: high & low pressure, high temperature, water flow and antifreeze protection.
- Advanced & world-famous hermetic compressor high-efficiency, low-noise and low-vibration operation.
- Hydrophilic and corrosion-resistant material ensures adaptability to poor weather.
- Uses advanced hermetic inverter compressor high-efficiency, low-noise, and low-vibration operation.
- Remote monitoring and control features enable the unit's operational schedule to be set via internet or phone.
- Using modular networking technology, the operation of individual modules can be coordinated according demand.
- Standalone subsystems enable maintenance of individual subsystems without affecting the continued operation of the rest.
- Unique heat exchanger protection technology, increases heat exchange efficiency to 30% above that of conventional heat exchangers.

— Technical Data —

Model		W01R1-8HR	W01R1-10HR	W01R1-12HR	W01R1-15HR	W01R1-20HR	W01R1-25HR	W01R1-30HR	
Nominal cooling capacity	kW	7.8	10.1	12.5	15.2	19.6	24.6	29.7	
Nominal heating capacity	kW	8.6	11.1	13.7	16.7	21.5	27	32.6	
DHW (domestic hot water)	Heat recovery capacity	kW	2.3	3.0	3.8	4.6	5.9	7.4	8.9
	Entering temperature	°C	50						
	Leaving temperature	°C	55						
Power supply	V/Ph/Hz	220/50			380/3/50				
Compressor	Type	Hermetic scroll compressor							
	Quantity	1	1	1	1	2	2	2	
	Power	kW	2.5	3.4	4.1	5.2	6	8.1	9
Safe protection device	High/low pressure switch, overload protection, counter clockWise and short phase protection(power phases sequence protection), lack water(water-flow switch), anti-freeze protection, ect								
Air side (Condenser)	Type	High efficiency finned tube heat exchanger							
Water side (Evaporator)	Type	High efficiency plate heat exchanger							
	Water flow volume	m ³ /h	1.3	1.6	1.9	2.5	3.4	4.3	5.2
	Water pressure drop	kPa	30-40						
Dimension	L*W*H	956*410*1440				1210*590*1585			
Noise	dB(A)	54	55	56	58	58	60	61	
Refrigerant	Type	R410A							
	Charge	kg	2.8×1	3.2×1	3.6×1	4.0×1	3.2×2	3.6×2	4.0×2
Net weight	kg	130	140	160	180	240	280	320	
A/C side entering/leaving pipe		DN25	DN25	DN25	DN32	DN32	DN32	DN32	
DHW side entering/leaving water pipe		DN25	DN25	DN25	DN25	DN25	DN25	DN25	

Notes:

1. Standard cooling work condition: entering chilled water temperature 12°C, leaving temperature 7°C; dry bulb temperature 35°C, wet bulb temperature 24°C.
2. Standard heating work condition: entering hot water temperature 40°C, leaving temperature 45°C; dry bulb temperature 7°C, wet bulb temperature 6°C.
3. All models, sizes, dimensions, and specifications are subject to change without prior notice, please refer to nameplates for the most accurate specifications

— Delivery & Packaging —

- 100% test before delivering products.
- Products catalogue, installation & operation manual will be sent together.
- Tracking number will be sent to customer as soon as we ship the products.
- Item shipped in 25 working days against payment depends on the quantity.
- Four steps of packages, plastic film, foam, carton and plywood for stable transportation.
- Ocean shipping, railway shipment and air transportation are acceptable according to customer demand.

— You May Like —



Air Cooled Heat Pump

+



Fan Coil Unit

+



Hydraulic Module

+



Hydraulic balance distributor

+



Insulation pipe

+



Thermostat

Withair, your perfect partner for successful projects.



01/2017 - The technical data in this document are not binding.

Withair reserves the right to introduce at any time whatever modifications deemed necessary for improving the product.



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