KOLANT Presentation
-Heat Pump Tech Since 1988






Ecological and energy saving

COMPANY INTRODUCTION

Guangzhou Kolant Heat Technologies Co., Ltd

KOLANT is a leading manufacturer of refrigeration and heating products in China, with over 30 years of experience in the heat pump industry. We are now developing a new generation of eco-friendly, high-efficiency products to align with the global focus on energy conservation.

At KOLANT, we place strong emphasis on R&D, strict quality control and fast delivery to satisfy customers requirement.

KOLANT®

Company History

MITSUBISHI ELECTRIC
Changes for the Better

Fortune Global 500
Refrigeration authority
Developed 1st split type air-con in the world 1968

华凌空调
好 品 质 新 选 择

Set up in 1988, First brand in refrigeration industry
First non-frost refrigerator in China
First national gold reward home appliance enterprise
First home appliance enterprise China list in HK stock market

KOLANT®

Built in 2006 by Hualing
General manager Mr YANJUN FENG and R&D depart

Kolant's technology and management originated from Hualing Group, the first refigerator and first air conditioner manufacturer in China. Hualing had a "Know-how" technical cooperation with Mitsubishi Electric, through which many of our engineers and staff received extensive training in both technology and management in Japan.
In 2004, due to government-lead restructuring, Hualing Group was acquired by Midea Group. Following this transition, Mr. Feng, and Mr. Jia the former CEO and General Manager of Hualing, established Kolant in 2006, with a dedicated focus on heat pump technology. Kolant was authorized to use the HUALING brand for its heat pump products, and many experienced engineers from Hualing joined the new company Kolant.

Advantages

29 Patents

Advanced Technologies

Heating, cooling, domestic & commercial hot water, dryers, inverter, EVI technologies, etc

33 years

Professional

33 years industry experience forcus on R&D

Quality

40+ countries

High quality products have been good reputation among our customers all around world, export more than 15years

Full range products

300+ products

Full range products cover most requirements from the market, residential, commercial, industrial, agricultural

Products Ranges

Full ranges cover all your need

- Domestic & commercial hot water heat pump
- Inverter Multifunctional heat pump including EVI heat pump
- Geo water source heat pump
- Swimming pool heat pump
- Heat pump Dryer
- Cold Storage Chiller
- Speical usage air conditioner

KOLANT®

Domestic hot water heat pump

- Designed and tested with international standards, CE, CB, SAA, etc
- House heating and domestic/commercial water supplying.
- Wide range from 3.5kw to 320kw to match different requirements from the market, domestic and commercial range.
- World-known main components guarantee the good quality and stable working.
- High efficiency and good performance tested in our Lab (proof lab from TUV)
- Max outlet water temp to 90° C.
- Ecological refrigerant R410A, R407C,R32, R290





KOLANT®

Domestic and commercial hot water heat pump usage and project







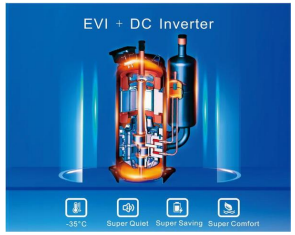
House/Flats/Villa | Hotel/Inn/Clubs | Institutions/Hospitals | Airports/Stations

Fitness &Hairdress center | Factory/school/ gymnasium | High-temp disinfection animal slaughter resort | Swimming pool constant-temp breeding

KOLANT®

R32 EVI Multifunctional Inverter heat pump

- **Enhanced Vapor Injection (EVI) technology means up to 40% extra heat in cold environment.**
- **Special Defrost no-stop compressor technology to increase COP.**
- **Specialized designed for cold area, excellent heating performance at lowest outside temperature -35° C.**
- **House heating/cooling and domestic water in one solution**
- **Top quality and reliability, all important components from Top brands.**









R290 Multifunctional DC inverter heat pump

- **Heating/cooling+DHW Funtion In One Solution**
- **Mobile wifi control function with modbus PC control protocol.**
- **Max 75° C outlet water temp. Heating in -35° C ambient temp.**
- **Energy saving, energy lable A+++, TUV report for application for government compensation on energy saving products**
- **Ecological refrigerant.**

natural refrigerant
R290







Kolant Multifunctional Inverter heat pump installation reference













R32,R290 Geo water source multifunctional inverter heat pump

- **Utilize the most stable geothermal heat source to become the best replacement for gas boiler and oil burner**
- **Heating/cooling+DHW Funtion In One Solution.**
- **Mobile wifi control function with modbus PC control protocol.**
- **Max 70° C outlet water temp. Weather compensation auto heating curve function.**
- **Elegant and slim design for flexible installation.**

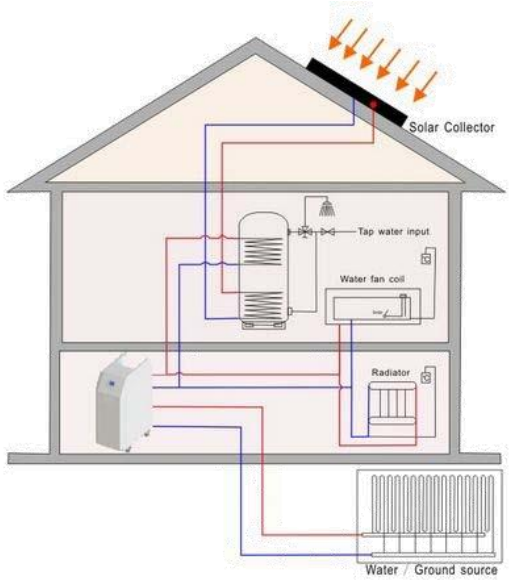
210KW











Geo water source multifunctional inverter heat pump application and installation reference





Commercial water source heat pump Max 75~85° C outlet water







Swimming pool heat pump



- 3KW-200KW, wide range cover residential and commercial
- Auto operation mode, Cooling & heating
  Auto-restart, Auto defrost, intelligent Control.
- Wide range user: -5℃～43℃, powerful heat transfer and low running cost.
- World famous Japanese compressor
- Titanium heat exchanger
- R32 and R290 refrigerant





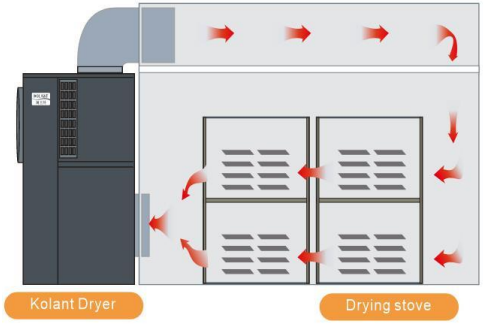




Heat pump dryer

- Kolant Heat Pump Dryer is Excellent solution for drying in many fields.
- 20%~30% increase in dehumidification capacity, and 40% ~ 60% energy saving compared with other hot air drying equipment.
- Kolant heat pump dryer can be used for poultry and seafood agricultural crops such as bacon, sausage, salted fish, peppers, dried vegetables, and other industries such as lost foam, ceramics, leather, garbage and cloth drying.
- Smart WIFI control
- Kolant Preset and Editable Curve for Heating Temp at different drying period.







Heat pump dryer application and installation reference



Dish Washing Machine Line with Kolant dryer





Lost Foam cast by Kolant Dryer









Low cost dry wide range material including seafood, tabacco and other agricultural crops. Industrial drying usage including lost foam, ceramics, leather, garbage and cloth drying. Woods and wood housing drying.



Cold Storage Chiller



- **Integrated and embedded**
- **The installation can be completed within 30 minutes.**
- **No need for debugging, no need to add refrigerant, no need to add refrigeration oil.**
- **Disassembled and moved freely**
- **The temperature can be set freely within the range of -18˚C to 10˚C.**



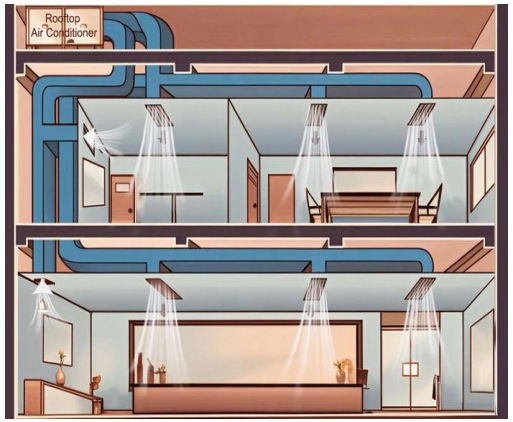
Special usage air conditioner



Green house air conditioner for plants and flower



Grain cooling Granary air conditioner



Roof top air conditioner



Water to air heat pump

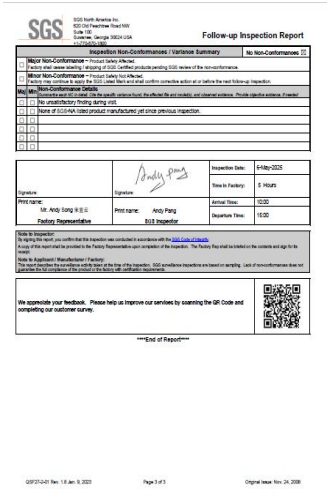
Qualified components

Compressor	Fan motor	Control system	Heat exchanger	Circulation pump	Valves
copeland Danfoss HITACHI Inspire the Next	Panasonic ZHIPU芝浦 MITSUBISHI ELECTRIC Changes for the Better	SIEMENS Life Is On Schneider Electric	SWEP EMERSON.	格兰富 GRUNDFOS wilo	DunAn 盾安阀门 SAGInoMIYA

Certificates

- **Kolant products are produced with the standard ISO9001,ISO14000,ISO45001 CE, CB, SAA, UL certificates and etc, good quality guarantee.**











KOLANT

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Technical Report

KOLANT


CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC


CERTIFICATE

Guangzhou Kolant Heat Technologies Co., Ltd.

DIN EN ISO 9001:2015


CERTIFICATE OF CONFORMITY OF ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATION

GUANGZHOU KOLANT HEAT TECHNOLOGIES CO.,LTD.

Environmental Management System Complies With:

GB/T24001-2016/ISO14001:2015 Standard

Scope:

The Related Management Environmental Activities On The Site For Design, Production And Sales Of Heat Pump Products Within The Scope Of Permission

Date of initial issuance: 2017-4-10

Date of issue: 2023-5-30 Expiry date: 2026-4-9

KOLANT

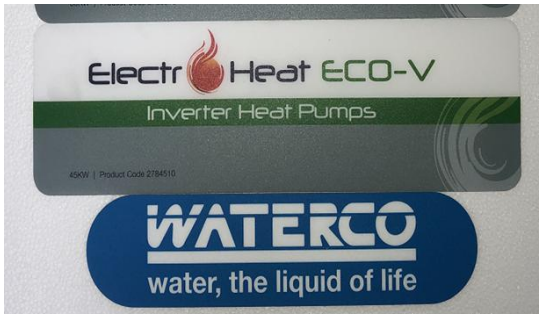
Brands that we make OEM production



France



USA



Australia





South Africa



Spain



Italy

KOLANT®

Products projects around the world



Turkey



Spain



Germany



France



Estonia



Sweden



Finland



Swiss

Sales Strategy for Customers

Aligning Visions

At Kolant, we recognize Domusa Teknik as one of our most respected customer. As your OEM partner, our mission is to support and strengthen your brand by delivering reliable, energy-efficient, and market-ready products that align with your strategy for growth in Europe.

Tailored Product Development

•Co-develop product models that align with EU efficiency regulations, Spanish customer preferences, and Domusa’ s brand positioning.

•Incorporate features like R290 refrigerant, smart controls, and ultra-low noise – fully customizable to your technical specs and aesthetics.

Sales Strategy for Customers

- **Market-Ready Certifications**

•All products can be delivered with CE, RoHS, CB, and ERP certification, ensuring compliance and faster time-to-market in Europe.

•We are also experienced in cooperating with third-party labs for specific testing needs (e.g. TÜV, Intertek).

- **Flexible Production & Fast Delivery**

•With three production bases and up to 300,000 unit annual capacity, we guarantee stable lead times and flexibility even during peak seasons.

•Strategic inventory planning and semi-finished stock programs can reduce your response time to the market.

Sales Strategy for Customers

- Long-Term Cooperation Plan

•Dedicated key account team with technical, after-sales, and logistics support.

-Most important target is to keep improving quality and reliability.

•Willing to establish a joint annual roadmap for R&D, including launching new models to stay ahead of the competition.

Technology roadmap

- **Smart, Sustainable, Market-Fit**

•R290 Full Product Line: Accelerate the transition to natural refrigerant R290 across all models (air-to-water, monobloc, split, pool heat pumps), meeting EU F-gas phase-down.

•SCOP Optimization: Improve seasonal COP through new inverter compressors (Panasonic, Mitsubishi), larger surface exchangers, and advanced control algorithms.

•Wi-Fi & App Integration: Smart IoT control, mobile apps, and Modubs compatibility for integration with home automation.

•ERP A+++ Rated Models: Focus on residential & light commercial models that meet or exceed Ecodesign Directive standards.

Technology roadmap

- **Expand Capabilities, Add Value**

•Hybrid Systems Development: Integration of heat pumps with solar thermal/PV and storage systems.

•Low Ambient Temperature Technology: Advanced EVI systems and cascade setups for -25° C applications — ideal for wider European geography.

•Silence-Focused Engineering: Ultra-low noise outdoor units for urban settings (using EC fans, acoustic insulation, and variable-speed components).

•Smart Grid Ready Models: Load shifting and energy optimization features to support grid interaction and utility rebates.

THANKS!

Much appreciated for your comments!

KOLANT®