



Specialized in one-stop heating solutions for 17 years  
Keep ecological & efficient, stay warm & comfortable

[www.exindagroup.com](http://www.exindagroup.com)



About Company



Vision / Mission



Brands Development History



Our Product



Strength and Team



Our Factory



Contact





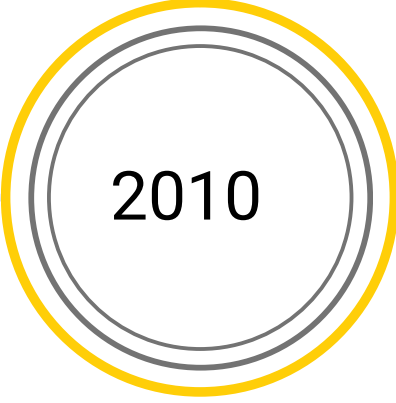
# Welcome to EXINDA

Exinda is a national high-tech enterprise specialized in manufacturing air-to-water heat pump with strong R&D strength and providing comprehensive energy-saving solutions for clients from all over the world. Exinda has a complete heat pump supply chain with products including **Swimming Pool Heat Pump, Residential Heat Pump, Commercial Heat Pump, etc.**

Taking the corporate social responsibility for creating a green future, we will continue to identify opportunities and seek new energy solutions as we strive to make the world's spaces happier and more comfortable.



# Milestones



### The Beginning

XINDA began manufacturing heating elements.

Supplied to worldwide well-known electrical appliance manufacturer.

Innovated at the technical level to upgrade the high efficiency of heating tube and heating wires.



SUNDEAR Established  
XINDA Group built a 30,000 m<sup>2</sup> factory.

The factory has enabled our company to provide one-stop heating solutions to our clients with stronger capabilities — manufacturing infrared heaters, industrial heater, duct heaters etc.....



Sundear produce air to water Heat Pump mainly develop for domestic market.

There is 1 heat pump production line, with R410 as core products, installed around 100,000 units in the pass 10 years, again receiving recognition and praise from our customers, giving us the motivation to persistently enhance the performance of our machine.



New Exinda factory cover 60000 m<sup>2</sup>, plan to start mass production at 2023 October, cover with 3 productions of R290 & R32 heat pump.





# Our Vision / Mission



## Vision

Specialized in efficient heating solution & eco-energy innovation.  
E concept of Exinda —  
Enthusiasm and Expertise to protect the Earth.



## Mission

Letting our heat pumps deliver the warmth around the world in an environmentally friendly way and creating a carbon-neutral lifestyle and green planet.



## Goal

EXINDA is committed to providing intelligent, eco-friendly and economical heating solutions to customers worldwide, ensuring high efficiency of production and high quality of product.

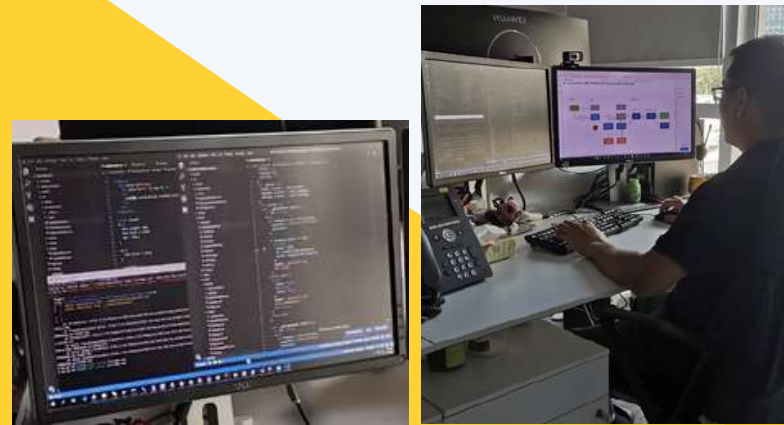


## Sustainable Development

50% of EXINDA heat pump products use R32 as refrigerant. Outstandingly leading the industry, heat pumps with new nature gas R290 have been developed.

# R & D Strength

always upgrade with market demand and make quality improvement product



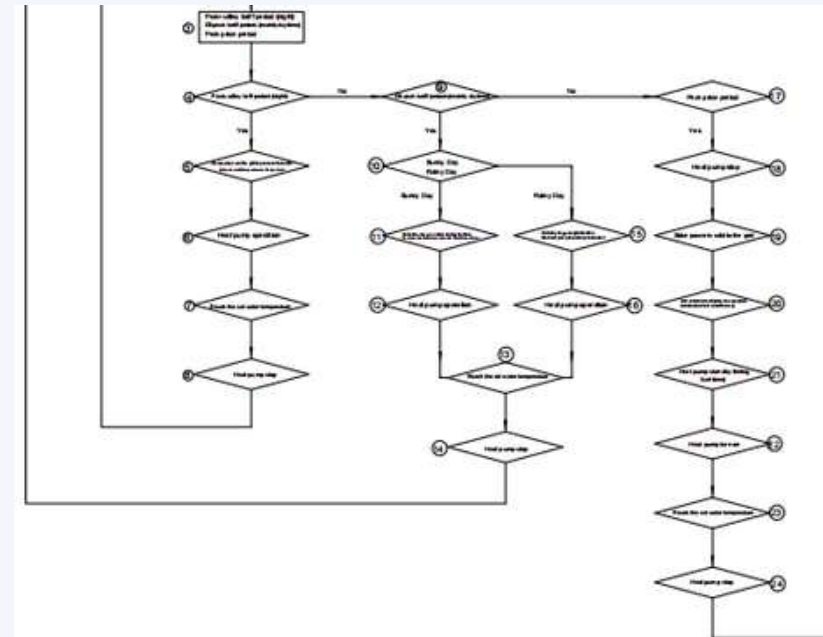
**Professional R&D team including 27 experienced engineers**

R&D team	R&D manager	2	
	Project manager	1	
	Structural engineer	3	
	Program Engineer	2	
	hardware engineer	2	
	software engineer	2	
	electrical engineer	3	
	<b>Total 27 engineers</b>		
	Performance engineer	2	
	Refrigeration engineer	2	
	Software test engineer	1	
	Performance test engineer	3	
	DQE engineer	1	
	NPI engineer	1	
IE engineer	2		
QC team		45	



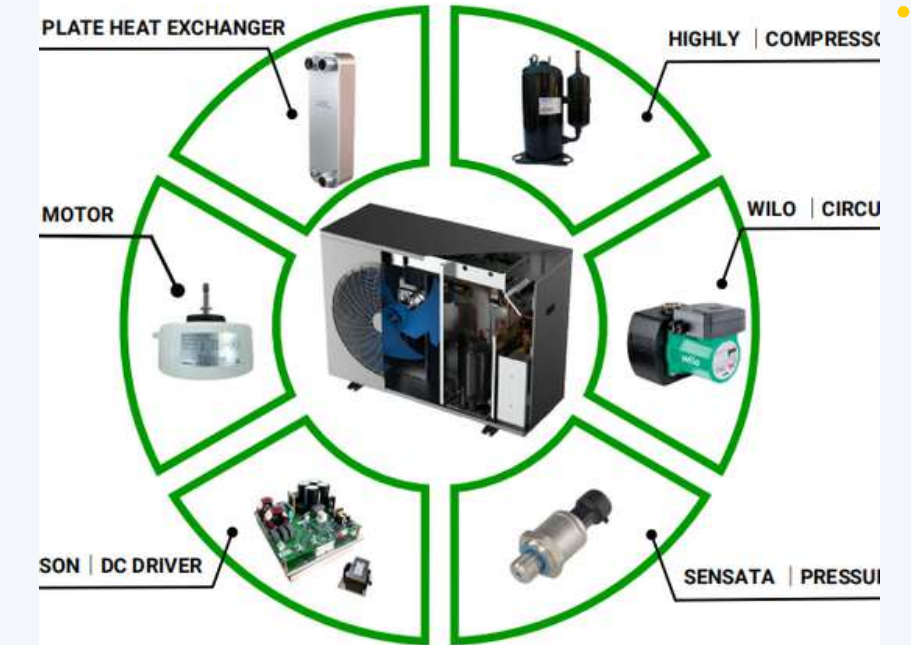
## Customization capability

EXINDA accepts customized orders, with own designer team, focus on customer requirements and provide tailor solutions to get customer satisfaction and create a win-win situation.



## Selfed-developed "smart brain"

Selfed develop smart logic with upgrade floating electric price system connect with local energy management system (EMC), with SG ready, RS485, RTU modbus.., or provide customer tailor logic solution.

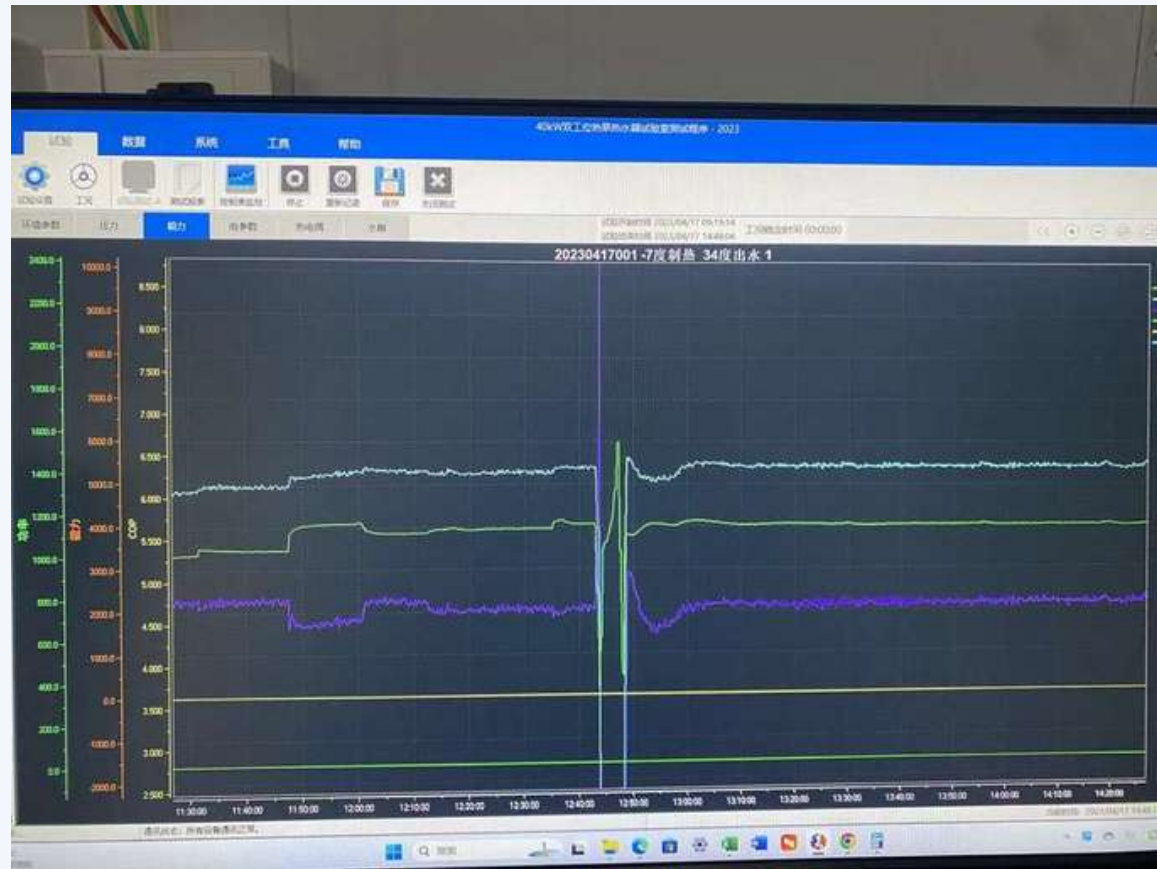


## Quality assurance & Supply chain control

Complete supply chain system, with the international well-known supplies such as: Mitsubishi, Alfa LAVAL, WILO, NIDEC, SENSATA... to ensure longevity.



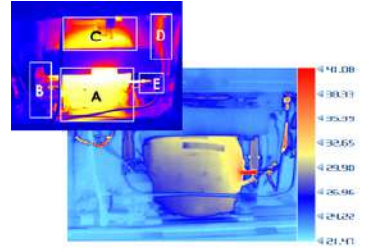
# The Lab: A Hub of Innovation and Expertise



In the realm of heating solutions, Exinda has emerged as a pioneer with its unwavering commitment to research, development, and innovation. At the heart of this dedication lies Exinda's state-of-the-art heat pump laboratory, where our team of experts put every product through rigorous testing to ensure unparalleled performance. Nestled within the Exinda headquarters, our heat pump lab serves as a hub of innovation and expertise. Equipped with cutting-edge tools and technologies, our dedicated team of engineers and scientists work tirelessly to optimize the performance, efficiency, and reliability of our heat pump products.



# Smart Lab Management System



- Energy conservation
- Digitalize
- Automatic testing
- Multiple Tests
- Intelligence
- Safety warning
- Thermal imaging
- Multi Client

## Test Lab Equipment List

序号	名称	型号规格
1	压缩机	比泽尔、博塞、谷轮、奥优乐(丹佛斯)
2	制冷剂	R404A/R22
3	空气取样装置	含防爆取样风机(国产),自动补水装置,不锈钢支架
4	变频调速器	三菱
5	计算机系统	联想, 1000VA/PS 电源
6	数据记录仪	横河, GM10
7	控制器	横河, UT35A/UT55A
8	电参数测试仪	三相, WT333, 横河

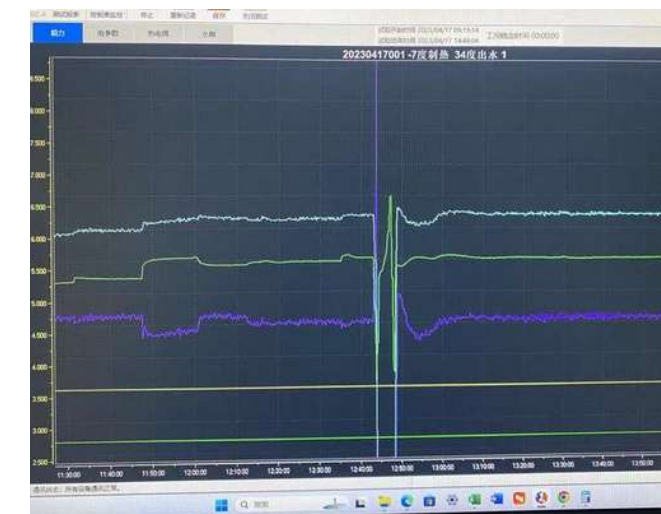
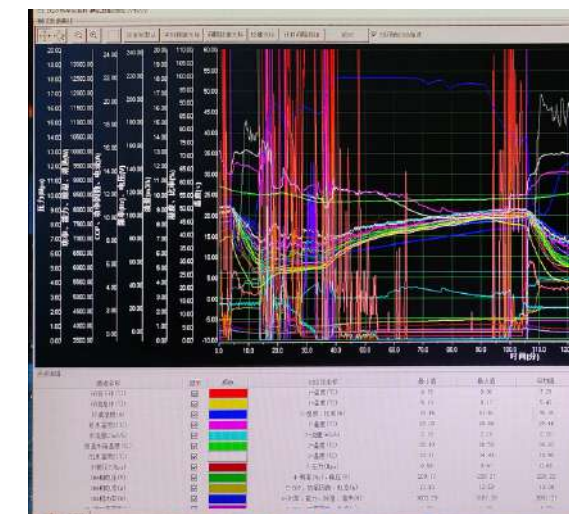
序号	名称	型号规格
9	温度传感器	Pt-100 铂电阻, 三/四线制, A 级, 日本千野
10	湿度传感器	维萨拉, HMT120
11	温度转换模块	4 线制, M3LR-R4/A, 日本 N-System
12	冷媒压力传感器	陕西麦克
13	水压差传感器	陕西麦克
14	电磁流量计	AXG/F 系列, 横河
15	电动三通阀	MXG/F 系列, 西门子
16	可燃气体探测器	红外式, 深圳新安安达安址
17	触摸屏	步林, 威伦等
18	低压电器	断路器, 接触器, 中间继电器, 热继电器, 开关, 指示灯等, 施耐德, 欧姆龙, 欧姆龙, 欧姆龙等知名品牌
19	变频器	希曼顿或国神
20	变频电源	三相, 艾涛, 合鑫, 恩普
21	冷却塔	夏利, 明新
22	水泵	南方, 广一或机泵
23	电视电线	厂家/广州电视厂
24	风机	英德利, 应达, 科奥福, 德通等
25	热电阻	T 型, 2*φ0.5mm <sup>2</sup> , 常州
26	库板	国产优质

项目	12HP-1 实验室	12HP-2 实验室
防爆照明灯	4 盏	4 盏
防爆低温灯	2 盏	2 盏
被测机防爆接线箱	2 个	2 个

项目	12HP-1 实验室	12HP-2 实验室
本体材质	不锈钢 304 框架、外壳	不锈钢 304 框架、外壳
送风装置	防爆离心风机, 变频控制	防爆离心风机, 变频控制
加热装置	防爆电加热器(不锈钢电加热线管; 三相调功器调节; 易拆装维护)	防爆电加热器(不锈钢电加热线管; 三相调功器调节; 易拆装维护)
加湿装置	无压蒸汽发生器型加湿器(不锈钢电加热线管; 三相调功器调节; 全不锈钢箱体水箱, 带易拆水箱盖便于清理水箱; 配备软水器)	无压蒸汽发生器型加湿器(不锈钢电加热线管; 三相调功器调节; 全不锈钢箱体水箱, 带易拆水箱盖便于清理水箱; 配备软水器)
制冷装置	水冷却冷机组	水冷却冷机组
冷却装置	冷却塔	冷却塔
旁通风阀	手动	手动
保护装置	超温、断水、高低压力、过电流	超温、断水、高低压力、过电流

## EXINDA with total 5 Enthalpy laboratory

2 labs in Heyuan with two slots, which can test 4 units at one time  
 3 labs in Longchuan, which can test 3 units at the same time.  
 Total could testing 7 units at same time



## Testing standard of product Reliability, test last 600 hours





# Production capacity



## Sheet metal workshop

Including sheet metal production and sheet metal spraying  
Customized possibility for all shapes or colors

## Condenser workshop

Strictly quality control for all parts, and provide stable heat pump product. With the production of condenser helps the flexibility of fast delivery.



## 3 standard production line of R290

With 3 Explosion-proof production lines, annual output of heat pump with 90000pcs. The production line covers nitrogen pressure leak detection, halogen leak detection, electrical safety inspection, and commodity inspection (connect water & electricity, each heat pump under testing with 12mins.) Advanced production line and complete testing process, 100% quality control in production process makes stable quality.



Precisely control the amount of refrigerant  
Within 1000g, accuracy  $\leq \pm 0.5\%$ , above 1000g, accuracy  $\leq \pm 0.4\%$



FUSO Halogen Leak Detector, check for leaks, full inspection to ensure no leakage of



Ultrasonic sealing machine, no open flame, safer and more efficient

# 100% Quality Control







# CENTRE HEATING COMMERCIAL HEAT PUMP



We promote clean and environmentally friendly new energy for a future carbon neutral life. Exin heat pump takes great advantages of eco-energy and adopt advance technology, providing one-energy-saving heating solutions for our customers.



R290 refrigerant can achieve a high water temperature up to 75°C, meanwhile, heat pump installation is convenient and the original gas boiler system like radiators and water pipes can be kept, achieving integrated multi-heat source and energy-saving. With less CO<sub>2</sub> emission, LET'S TAKE CARE OF OUR GREEN PLANET TOGETHER!

**ECO**



**Heating, Cooling and Domestic Hot Water**



# Enterprise Strength

We'll Ensure You Always Get the Best Results



100+

Selling Countries & Regions



60,000m<sup>2</sup>

Factory Area Covering



600+

Well-trained Staff



500+

Global Strategic Partners



20+

Days Shortest Lead Time



40+

Invention Patents

## Our Super Team





# Our Factory






# Connect with Us!

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