

**Zymbo (Zhong Shan) Electrical Mfg. Co., Ltd.**

**PRESENTATION**

# Contents

- 1 Who We Are
- 2 What We Do
- 3 Why We Are

# ZYMBO Introduction

## Company profile

- Established in 2002
- Registered capital HK\$ 150 million;
- Over 35,000 Sq. meters production base located in Zhongshan city, Guangdong province ,China;
- More than 550 employees(Engineer team about 50 persons)
- Products: Home Use Air Conditioner(Monoblock Air Conditioner, PTAC, Window Air Condiitoner), RV Air Conditioner,Heat Pump,Fan Coil Unit, Precision air-conditioners for Computer Room,Data Center,Base Station,Heat exchanger, Sheet metal etc.;
- Major markets: North America, Europe, Australia and China domestic market;



公司中山生产基地占地241亩

# ZYMBO Introduction

## Qualification



ISO9001 Certificate



ISO14001 Certificate



ISO45001 Certificate

# ZYMBO Introduction

## Qualification

证书编号: 10018P106204R0M1 国家认监委批准号: CNCA-R-2003-086

**CRAA**

中国制冷空调行业  
**CRAA 产品认证证书**

中国制冷空调设备产业联盟  
中国制冷空调工程工业协会  
全国制冷空调设备能效化技术委员会 联合确认

申请方: 中山深宝电器制造有限公司  
广东省中山市西区沙朗广丰工业区

商 标: **ZYMBO**  
深宝电器

制造商: 中山深宝电器制造有限公司  
广东省中山市西区沙朗广丰工业区

生产厂: 中山深宝电器制造有限公司  
广东省中山市西区沙朗广丰工业区

认证模式: 初次工厂检查 + 产品抽样检测 + 获证后监督

认证产品: 风冷式制冷空调用翅片式换热器

产品标准: JB/T 7659.4-2013

规格型号: 型号: ZF\*, FN\*  
换热面积范围: 3m²~220m²

检测机构: 合肥通用机电产品检测院有限公司 (GMPI)

上述产品符合《CRAA 产品认证实施规则》的要求, 该生产厂具备认证规则要求的生产和检验能力。  
特颁发此证书并准许使用 CRAA 认证标志。

对以上产品认证性能参数提出异议的, 须经联盟中委员会确认, 将依据联盟规定对企业进行相应处罚; 对于提交不实、将为企业正名; 对于恶意行为的, 将保留法律的权利。如果生产厂不具备所述能力, 我们愿意承担相关法律责任。

本证书的有效期依据获证机构的定期监督获得保持, 证书的相关信息可在联盟网站和国家认监委网站 [www.cnca.gov.cn](http://www.cnca.gov.cn) 查询。

签发:  北京中冷通康量认证中心有限公司  
发证日期: 2018年06月21日  
有效期至: 2019年09月14日

地址: 北京市西城区广安门南街6号广安大厦北楼7层 网址: [www.chinacraa.org/craac](http://www.chinacraa.org/craac)

证书编号: 10018P106211R0M1 国家认监委批准号: CNCA-R-2003-086

**CRAA**

中国制冷空调行业  
**CRAA 产品认证证书**

中国制冷空调设备产业联盟  
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申请方: 中山深宝电器制造有限公司  
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深宝电器

制造商: 中山深宝电器制造有限公司  
广东省中山市西区沙朗广丰工业区

生产厂: 中山深宝电器制造有限公司  
广东省中山市西区沙朗广丰工业区

认证模式: 初次工厂检查 + 产品抽样检测 + 获证后监督

认证产品: 计算机和数据处理机用单元式空气调节机 (冷水式)

产品标准: GB/T 19413-2010

规格型号: 型号: KH\*\*\*\*\*VMC-0  
风量范围: 9000m³/h~31700m³/h

检测机构: 合肥通用机电产品检测院有限公司 (GMPI)

上述产品符合《CRAA 产品认证实施规则》的要求, 该生产厂具备认证规则要求的生产和检验能力。  
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签发:  北京中冷通康量认证中心有限公司  
发证日期: 2018年06月21日  
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地址: 北京市西城区广安门南街6号广安大厦北楼7层 网址: [www.chinacraa.org/craac](http://www.chinacraa.org/craac)

**AHRI CERTIFIED**  
[www.ahridirectory.org](http://www.ahridirectory.org)

**Certificate of Product Ratings**

AHRI Certified Reference Number: 203449644 Date: 01-02-2019 Model Status: Active

Brand Name: ZYMBO

Model Number: 4INZCW127003175027502/Smooth/Plate-Fin/Plate wave for plate-fin

Coil Line Designation: 4INZ

Function: Cooling (C)

Fluid Type: Water (W)

Tube Outside Diameter: 12.700

Tube Spacing across Coil Face (Sf): X Tube Spacing between Coil Rows (Sr): 31.750 X 27.500

Tube Internal Construction: Smooth

Fin Configuration: Plate-Fin

Rated as follows in accordance with the latest edition of AHRI Standard 410 Forced-Circulation Air-Cooling and Air-Heating Coils and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Software Name: ZYMBO Coil Section

Software Version: V0.8

Manufacturing Location: Guang Feng Industrial Estate, Sha Lang, Xi Gu, Zhongshan City, Guangdong, China.

**AHRI CERTIFIED**  
[www.ahridirectory.org](http://www.ahridirectory.org)

"Active" Model Status means that an AHRI Certification Program Participant is currently producing AHRI selling or offering for sale. Off new models that are being marketed but are not yet being produced ("Production Stopped" Model Status) are those that an AHRI Certification Program Participant is no longer producing. "Off" is not selling or offering for sale.

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CERTIFICATE VERIFICATION: The information for the model listed on this certificate can be verified at [www.ahridirectory.org](http://www.ahridirectory.org), click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued.

©2010 Air-conditioning, heating, and refrigeration institute

CERTIFICATE NO.: 1318059642732084

**CRAA Certificate**

**AHRI Certificate**



# ZYMBO Introduction

## Qualification

Page 1 of 1

**SGS**

**VERIFICATION OF RED COMPLIANCE**

Verification No.: GZCR2106020499H5V1  
 Applicant: Zymbo (Zhong Shan) Electrical Mfg. Co., Ltd.  
 Address of Applicant: Guangfeng Industrial Estate, Shalang, Xiqu, Zhongshan City, Guangdong, P.R.China  
 Manufacturer: Zymbo (Zhong Shan) Electrical Mfg. Co., Ltd.  
 Address of Manufacturer: Guangfeng Industrial Estate, Shalang, Xiqu, Zhongshan City, Guangdong, P.R.China  
 Factory: Zymbo (Zhong Shan) Electrical Mfg. Co., Ltd.  
 Address of Factory: Guangfeng Industrial Estate, Shalang, Xiqu, Zhongshan City, Guangdong, P.R.China  
 Product Description: ROOFTOP AIR CONDITIONER  
 Model No.: RTN2-100HP, RTN2-135HP, ACRG16  
 Sufficient samples of the product have been tested and found to be in conformity with  
 Test Standards: EN 55014-1: 2017+A11:2020, EN 55014-2: 2015  
 EN 61000-3-3: 2013+A1: 2019, EN IEC 61000-3-2: 2019  
 EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.4  
 EN 300 328 V2.2.2, EN IEC 62311: 2020

As shown in the  
 Test Report Number(s): GZCR210602049905, GZCR210602049906  
 GZCR210602049907, GZCR210602049908

Based on a review of the test report(s) detailed above, this apparatus meets the requirements of above standards. The product is in conformity with the essential requirements of Article 3.1 (a) the protection of the health, 3.1 (a) an adequate level of electromagnetic compatibility and 3.2 effective use of the spectrum of 2014/53/EU.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.

Kalle Jian  
EMC Laboratory Manager

Date: 2021-02-24

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Member of SGS Group (Société Générale de Surveillance)

EMC-VOC-F01/Rev.1.0/2020-11-05

**SGS**

**VERIFICATION OF COMPLIANCE**

No.: LVD GZES2106021574H5  
 Applicant: ZYMBO (ZHONGSHAN) ELECTRICAL MFG. CO., LTD.  
 Guangfeng Industrial Estate, Shalang, Xiqu, Zhongshan, Guangdong, China  
 Manufacturer: Same as applicant  
 Product Name: Air-Conditioner  
 Product Description: ROOFTOP AIR CONDITIONER  
 Model No.: ACRG16RTN2-100HP, ACRG16RTN2-135HP  
 Trade Mark: ZYMBO  
 Rating: 220 V - 240 V, 50 Hz  
 ACRG16RTN2-100HP: Cooling: 1000 W, 5.5 A; Heating: 800 W, 4.9 A  
 ACRG16RTN2-135HP: Cooling: 1300 W, 7.8 A; Heating: 1060 W, 7.9 A  
 Protection against Electric Shock: Class I  
 Degree of Protection: Outside: IP24  
 Additional Information: Refrigerant: R410A  
 Sufficient samples of the product have been tested and found to be in conformity with  
 Test Standard: EN 60335-2-40: 2003 + A1 + A11 + A12 + A2 + A13  
 EN 60335-1: 2012 + A11 + A13 + A14 + A15 + A2  
 EN 62333: 2008

as shown in the  
 Test Report Number(s): GZES210602157401

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant harmonized standards under the Low Voltage Directive 2014/35/EU. The CE marking as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.

David Cao  
Senior Technical Manager  
SGS-CSTC

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SGS-CSTC Rev.1.1/2017-01-03  
 Page 1 of 1

CE Certificate

**Products**

**TÜVRheinland®**  
Precisely Right.

Report No.: 170125728a 002 Page 1 of 238  
 Client: ZYMBO (ZHONGSHAN) ELECTRICAL MFG. CO., LTD.  
 Contact Information: Guang Feng Industrial Estate, Sha Lang, Xi Qu, Zhongshan City, Guangdong, P. R. China

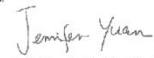
Test Item(s): 433 materials  
 Identification/ Model No(s): Please refer to page 2  
 Sample Receiving date: 2018-12-14, 2019-01-25, 2019-01-30, 2020-03-23  
 Testing Period: 2018-12-29 - 2019-02-01, 2020-04-08 - 2020-04-13

**Test Specification:**  
 1. Cadmium, Lead, Chromium (VI), Mercury, Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE), ROHS Phthalates (BBP, DEHP, DBP), DEHP, DBP)  
 According to RoHS(recast): Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU Annex II and its amendment Directive (EU) 2015/863

**Test result:**  
 PASS

**Other information:**  
 According to customer's requirement, only the appointed materials have been tested.  
 Country of Origin: China  
 Combining report No. 0174096134a 002.  
 The report 170125728a 002 supersedes report 170125728a 001.

For and on behalf of  
 TÜV Rheinland (Guangdong) Ltd.

  
 Jennifer Yuan / Assistant Project Engineer

2021-01-05

Date Name/Position

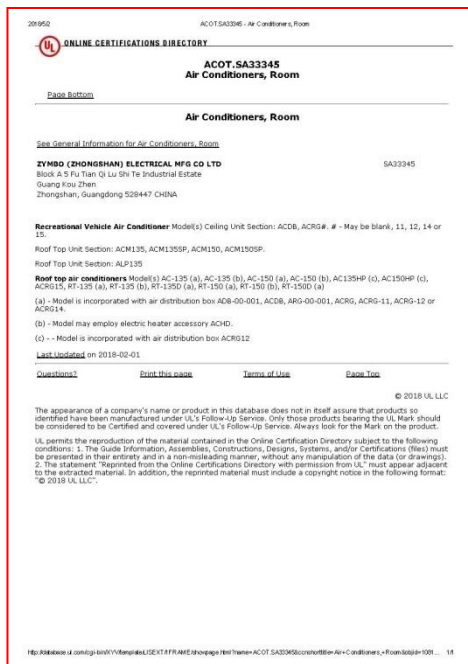
Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed. This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

TÜV Rheinland (Guangdong) Ltd. 401-1, Building 1, 22 Jiaogong Road, Guangzhou Economic and Technological Development District, Guangzhou, 510531, P.R. China  
 Tel: (86) 20 2339 1433 Fax: (86) 20 2339 1999 Mail: service\_gd@tuv.com Web: www.tuv.com

RoHS Certificate

# ZYMBO Introduction

## Qualification

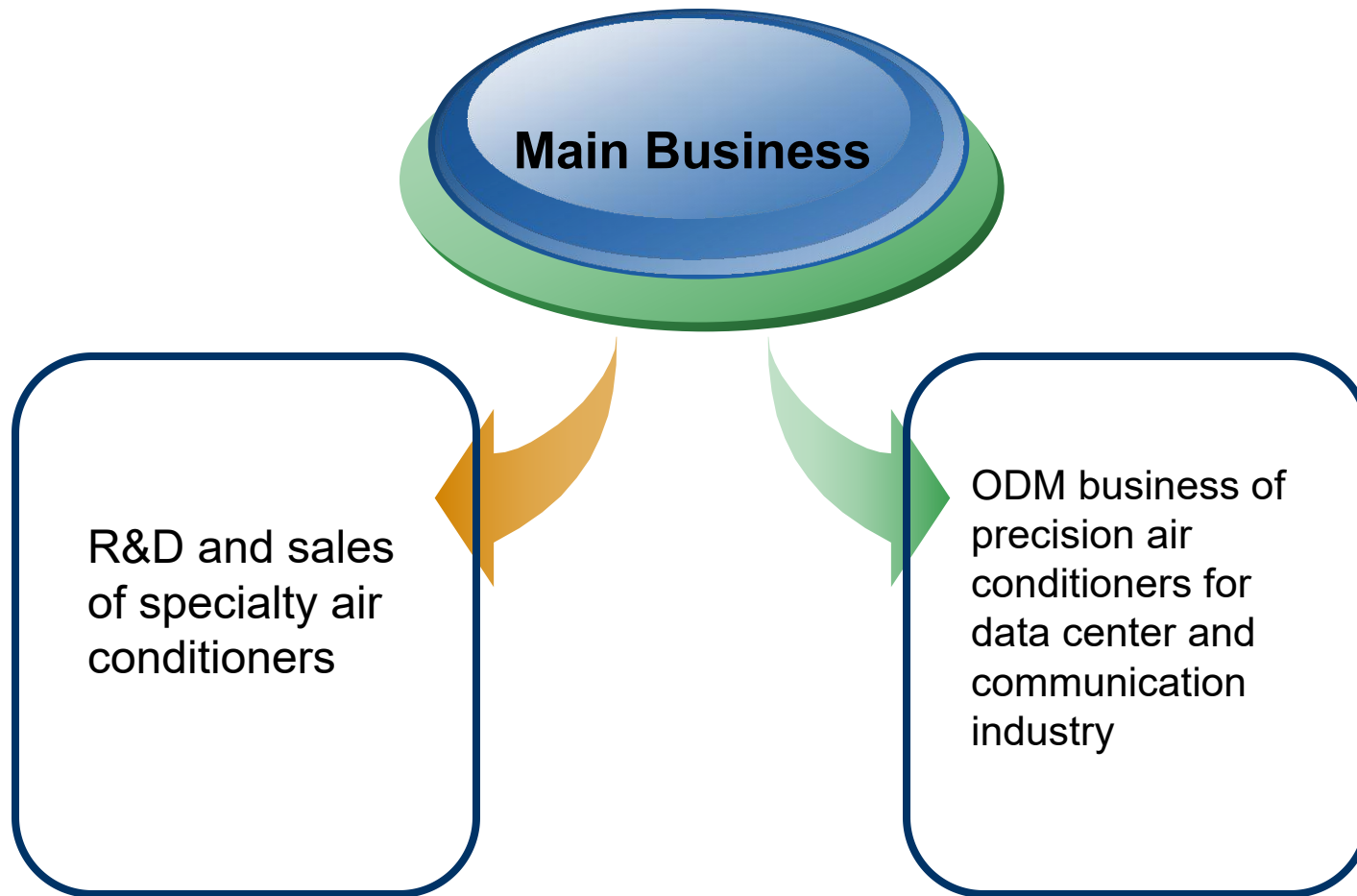


# UL Certificate



# SAA Certificate

## Main business





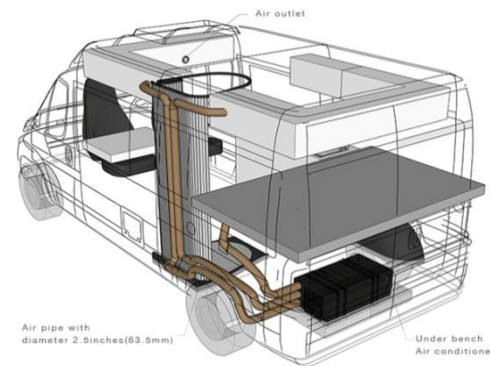
## Main business

### Rooftop RV air conditioner



## Main business

### Under-bench air conditioner



**Features and technical advantages:** Easy to install, fast refrigeration, low noise level. The advanced control system consists of wall pad, remote control and wifi connectivity App control, which makes it better than rival products.

## Main business

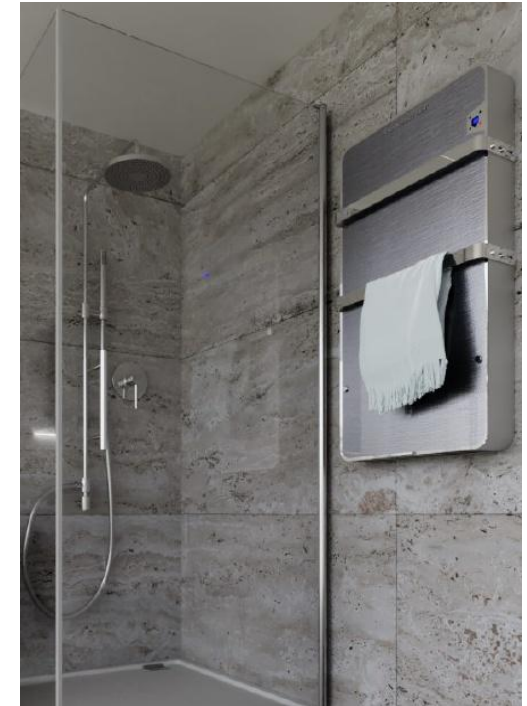
### Double duct air conditioner



**Features and technical advantages:** double duct air conditioner without outdoor unit, easy to install, low noise level, high efficiency.

## Main business—Private Brand

### REVERSO Fan Coil Unit



**Features and technical advantages:** Slim design and and thickness only 12cm. DC inverter technology for energy saving and low noise level. Floor Standing, Wall Mounted, Bathroom models are available

## Main business—Private Brand

PTAC&PHTP for North America

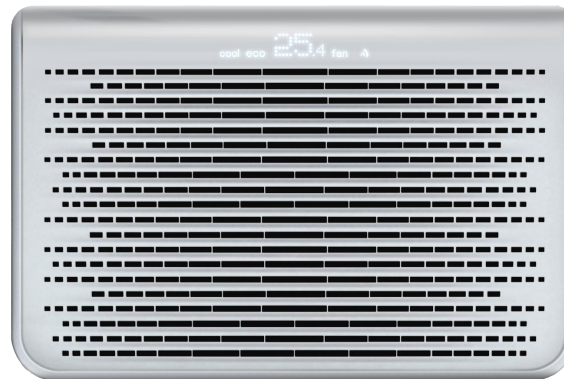


**Features and technical advantages:** Easy to install, fast cooling, simple operation with fresh air and UV light of disinfection functions.



## Main business—Private Brand

### Window air conditioner





## Main business—ODM

ODM products

Precision air conditioners



**Inter-row Series**



**Backplane Series**



**DME Series**

## Main business—ODM

ODM products

Precision air conditioners



**Chilled-water Series**



**NTT Series**



**Wind-wall Series**

## Main business—ODM

ODM products

Precision air conditioners

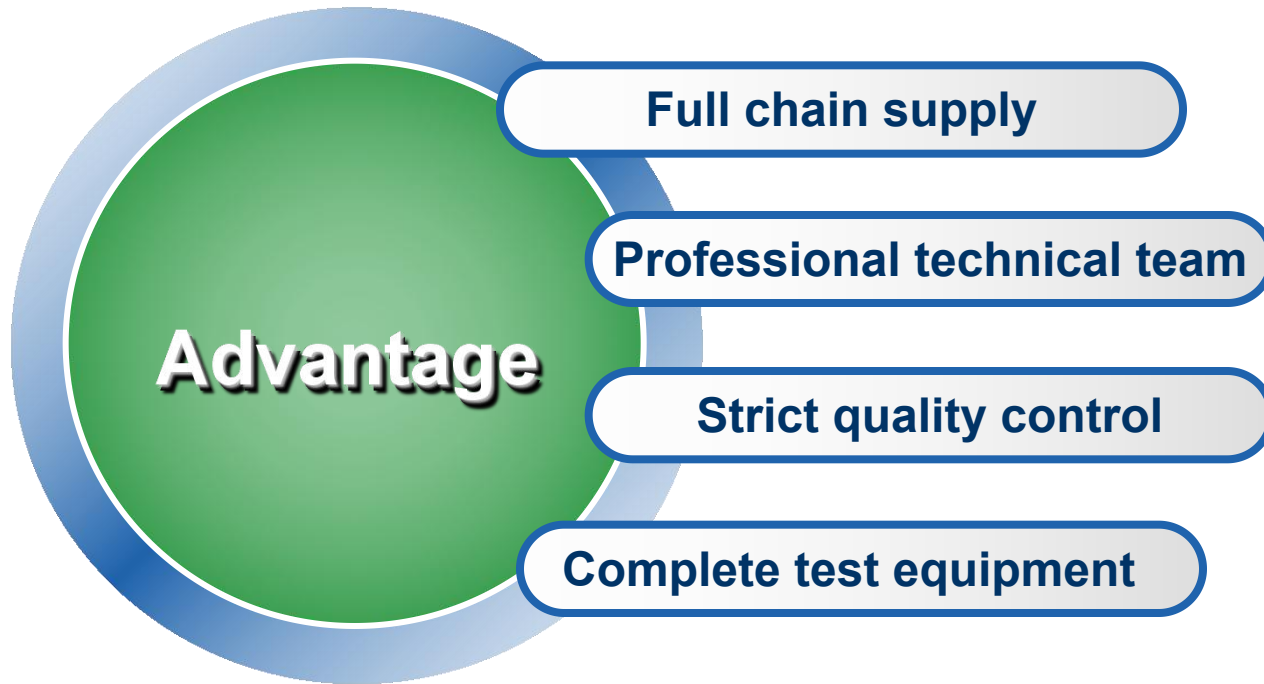


**AHU Series**



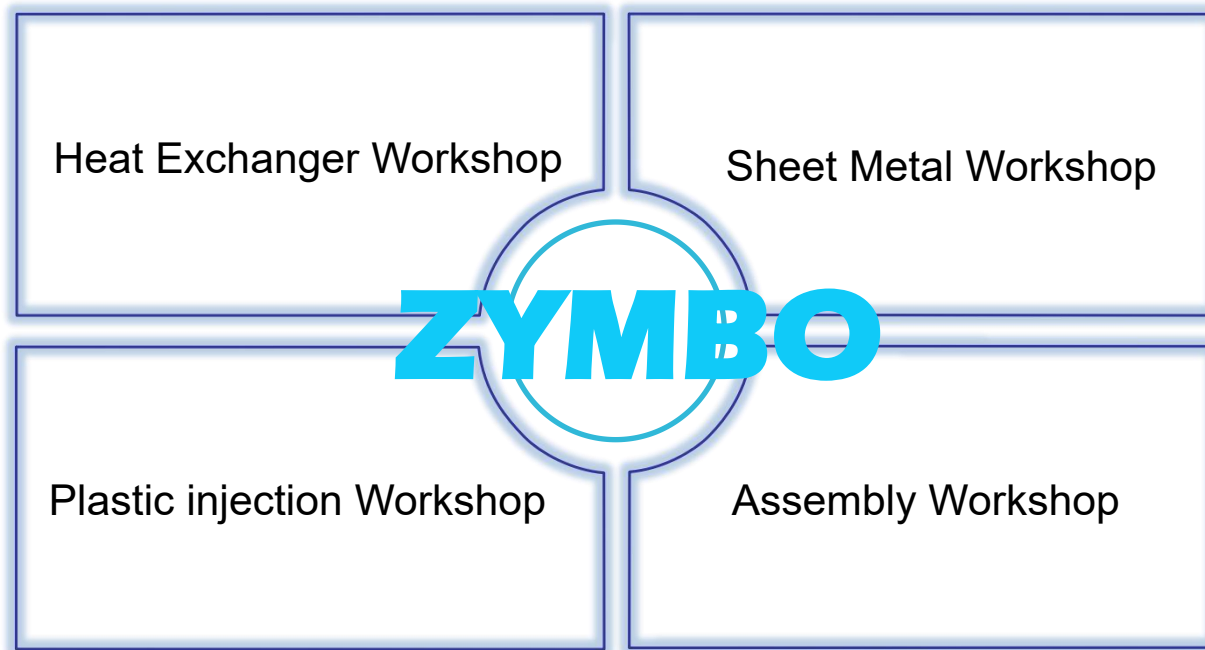
**Indirect evaporative  
Series**

# Our Advantages



# Advantages

## Full chain supply





# Advantages

## Heat Exchanger Workshop

### Equipments of Heat Exchanger Workshop



Tube bending



Fin punching

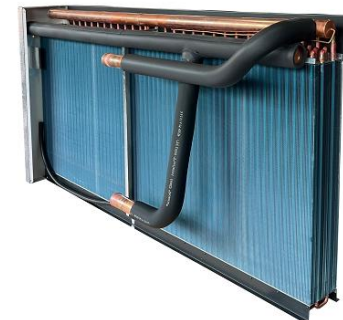
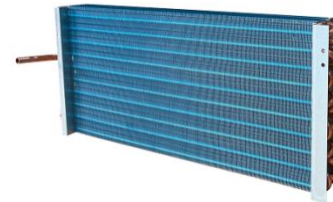


Expanding



Welding

Equipment	Qty.
Fin punching equip.	10
Tube bending equip.	3
Expanding equip.	12
Automatic welding line	1
General welding line	3
Copper pipe equip.	16





# Advantages

## Sheet Metal Workshop

### Equipments of Sheet Metal Workshop



Laser Cutting



CNC Bending



NC punch press



Auto painting line

Equipment	Qty.
Laser cutting equip.	3
NC punch press equip.	4
Punch press equip.	36
NC bending equip.	11
Welding equip.	15
Automatic painting line	1



# Advantages

## Plastic injection Workshop

### Equipments of Plastic injection Workshop



Injection molding equip.



Injection molding equip.

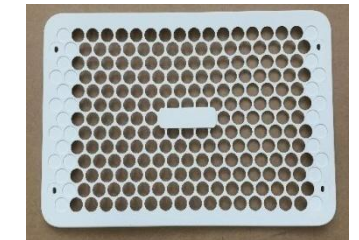
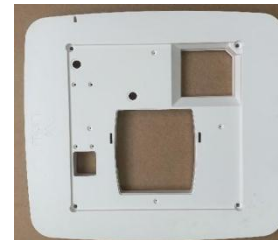


Injection molding equip.



Injection molding equip.

Equipment	Qty.
1300-ton Injection equip.	2
1000-ton Injection equip.	1
800-ton Injection equip.	1
600-ton Injection equip.	1
Vacuum forming equip.	1



# Advantage

## Assembly Workshop



**Production line for export products**



**Production line for RV air conditioner**



**Production line for heat pump**



**Production line for precision air conditioner**



**Production line for outdoor units**



**Production line for big-sized precision air conditioner**



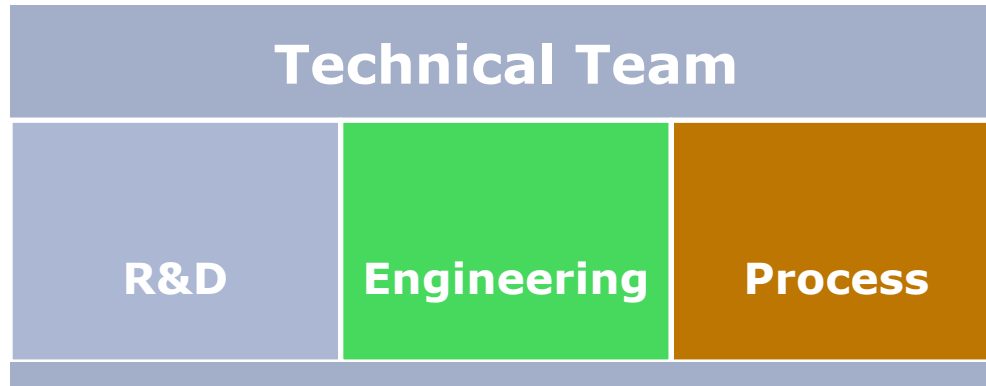
**Production line for energy storage air conditioner**



**Production line for supersized air conditioner**

# Advantages

## Professional technical team



- We have more than 50 technicians ;
- Technical team consists of R&D team, Engineering team, Process team;
- Each workshop is equipped with corresponding technical personnel;



# Advantages

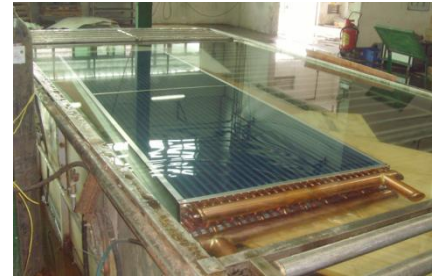
## Quality control



**Pipe washing equip.**



**Precise helium inspection for leakage**



**Water pressure inspection for leakage**



**Precise halogen leak detector**



**Precise halogen leak detector**



**Performance test**



**Electric data safety test**



**Two-dimensional detection for sheet metal**

# Advantages

## Quality control



**Salt spray test**



**Color difference test for painting**



**Coating hardness test**



**Coating thickness test**



**Coating adhesion test**



**Solvent resistance test of coating**



# Advantages

## Laboratories

### Enthalpy Performance Lab—3 Labs



### Vibration Lab—1 Lab



### Noise Test Lab—1 Lab



# Next step

In order to further support the company's business development, we will build new office, laboratory, workshops, canteen and staff dormitory.



- Main building)
- About 6000m<sup>2</sup>
- Eight floors



- Dormitory building)
- About 700m<sup>2</sup>
- Nine floors



# Thank You !