



CANATAL

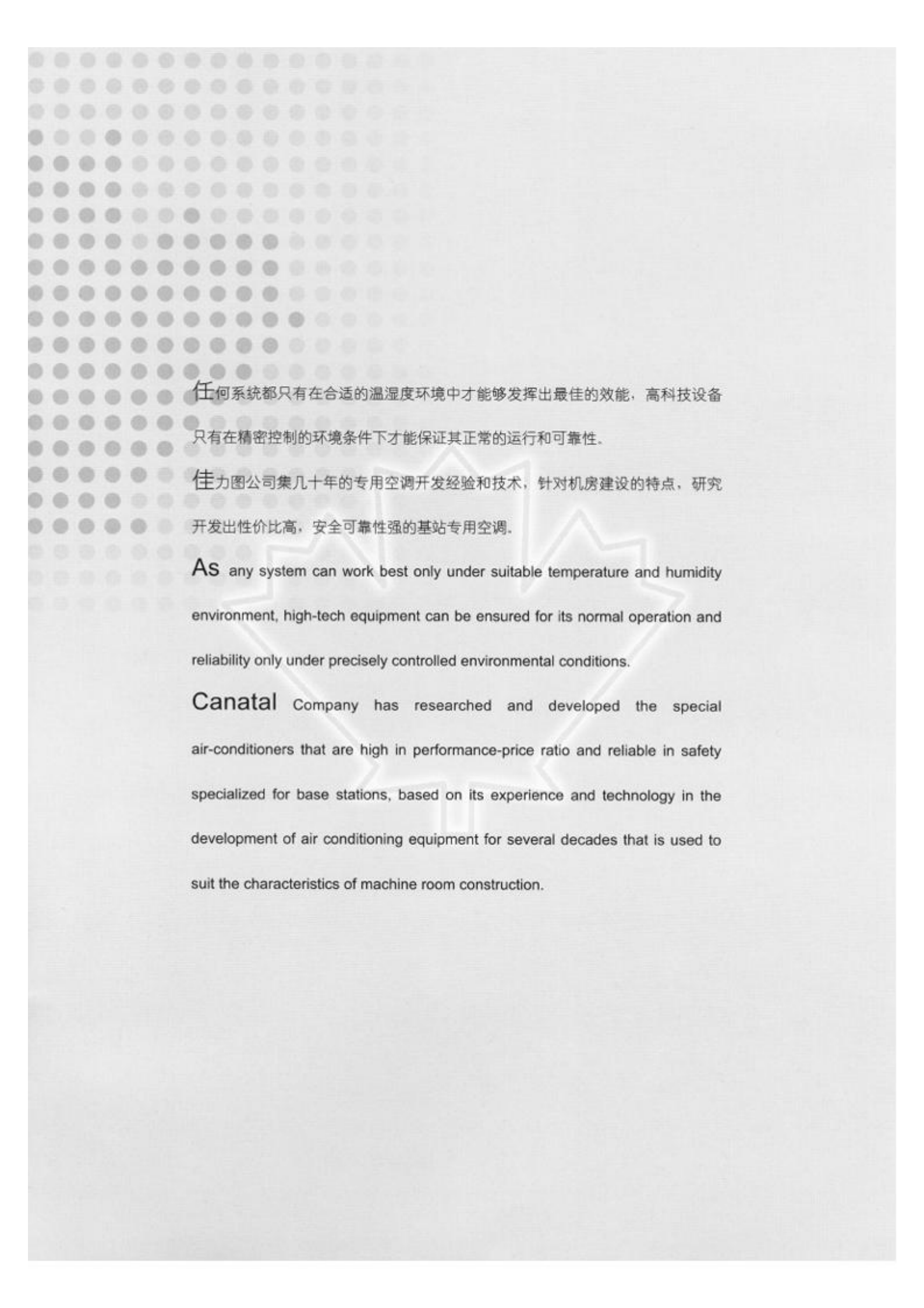
佳力图智能型精密空调系统

Intelligent Precision Air Conditioning Systems



## 佳力图的环境，明智的选择

在精密空调系统的领域里，  
佳力图以优越的性能和坚实的可靠性创立了卓越声誉。



任何系统都只有在合适的温湿度环境中才能够发挥出最佳的效能，高科技设备只有在精密控制的环境条件下才能保证其正常的运行和可靠性。

佳力图公司集几十年的专用空调开发经验和技術，针对机房建设的特点，研究开发出性价比高，安全可靠性强 的基站专用空调。

**As** any system can work best only under suitable temperature and humidity environment, high-tech equipment can be ensured for its normal operation and reliability only under precisely controlled environmental conditions.

**Canatal** Company has researched and developed the special air-conditioners that are high in performance-price ratio and reliable in safety specialized for base stations, based on its experience and technology in the development of air conditioning equipment for several decades that is used to suit the characteristics of machine room construction.

## 用途

移动基站控制中心 网管中心

小型计算机房 户外机房

微波及地面卫星站

实验室 检测室

电信 银行 证券 IT行业

## Purposes

control centers and network management centers of mobile base stations

small-size computer rooms and outdoor machine rooms

microwave and ground satellite stations

laboratories and testing rooms

telecommunication, bank, securities, and IT industries





# CANATAL

## 智能控制

### 优秀的人机界面:

全中文LCD背光显示屏, 易操作的人性化界面, 可让用户轻松读取机组的功能目录, 记录主要部件的运行时间, 即使停电也不会丢失储存的运行参数和告警记录。

### 具有先进的智能控制技术:

根据设定的温湿度参数和显示的温湿度参数进行智能逻辑判断, 确定工作状态, 此技术能减少不必要的电能损耗, 提高整个系统的工作的稳定性, 大大提高温湿度的控制精度。

### 网络管理功能:

配置标准的RS485监控接口提供标准的通讯协议, 灵活方便的主备机切换功能可实现机组轮流值班; 方便的近远程控制, 为正确判断设备运行状态提供了可靠的保证。先进的Co-Work主从机形式的内部联网系统允许多台主从模块组合, 在不需要其他附加硬件协助下, 通过一根电缆线相连接而成为区域网络。



## Intelligent control

### Excellent man-machine interface:

LCD back display screen with all Chinese; and its easy-to-operate human interface enables users to easily read the function contents, log runtime. All historical running parameter and alarm event are stored in memory and safeguarded in the even of power failure.

### Advanced intelligent control technology:

It can determine the operation status through its intelligent logic judgment according to the set temperature and humidity parameters and the displayed temperature and humidity parameters; this technology can reduce unnecessary energy consumption and insure the operation stability of the entire system, which can substantially improve the control accuracy of temperature and humidity.

### Network management function:

Configured with standard RS485 monitoring interface provides standard communication protocol. The flexible and convenient switching function of master-slave units can realize work on duty by turns. Convenient local-remote control improves the correct judgment of running state of units. The internal networking system of advanced Co-Work master-slave form allows integrating many master-slave modules, which can be linked together through a piece of telephone wire with no other extra hardware required.





高效  
精密  
可靠

High efficiency

Precision

Reliability



# CANATAL

## 高效精密可靠

### 高效的制冷系统设计:

采用高效可靠的 COPELAND 柔性涡旋压缩机, 使系统运行更为安全可靠。产品按每年 8760 小时长寿命设计, 每台产品均经过严格的出厂检验。

### 电网适应能力强:

超宽输入电压设计, 具有缺相和相序保护功能, 具有来电自动启动功能。

### Co-Work 联网系统:

当多台机工作时, Co-Work 主从系统使机组运行更为安全可靠, 当任何一机组发生故障, 其他机组立即投入运行, 避免了机房环境的失控。

### 选用外转子后曲叶片式离心风机, 与标准风机相比节能率高达 30%:

顺畅的气流通过和带有避震的支撑, 使得噪声级别大大降低, 维修更为方便, 寿命和安全性大大提高。

## High efficiency, precision and reliability

### Design of high efficiency of refrigeration system:

By using the high efficient and reliable COPELAND flexible scroll compressor, the system can operate even more safely and reliably. The products are designed according to the runtime of 8760 hours of every year. All products have strict inspection leaving the factory.

### Strong adaptive capacity of electric wire netting:

Design of ultra and wide input voltage

Function of detecting phase loss and squence

Automatic startup can be realized when power is available.

### Co-Work network system:

When multi-units are in operation, the Co-Work master-slave system makes the unit operate more safely and reliably; in case any one of the units has fault, other units will be put into operation immediately; thus, the environment of the machine room will not be out of control.

### Centrifugal fan with external rotors and back curved vanes is selected, it can save up to 30% of energy compared with the standard fan:

Due to air flow passing through smoothly and supporting with damper, the noise level decrease substantially, the maintenance is much simple; and great improvement has been made in its service life and safeness.



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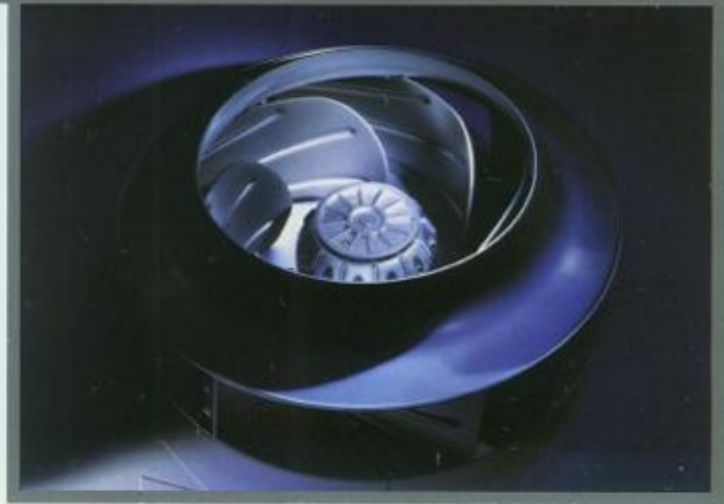
## 便于搬运 安装 维护

机组在设计时充分考虑到场地搬运和安装的最简单化，紧凑的尺寸使机组可以通过标准门或进入电梯，安装时不需要沉重的焊接设备，机组的制冷剂管路和水路连接管道不需要现场焊接，在调试中很容易调试或检查。

## **Convenient for handling, installation and maintenance**

Full consideration has been given to the simplicity of handling and installation of the unit in the design; compact dimension makes the unit pass through standard door or enter elevator easily; no heavy welding equipment is required for installation; no site welding is required for the refrigerant tube and water connection pipe of the unit; and it can be easily commissioned or inspected during the commissioning.

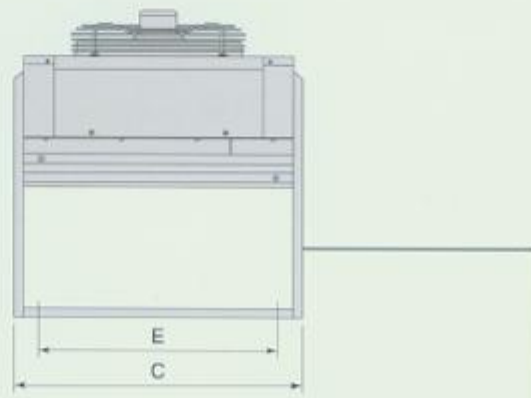
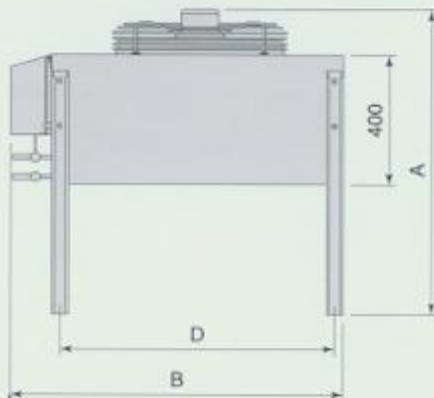




### 室内机设备的外形尺寸

#### Indoor unit Physical Details

型号 Model	外形尺寸 Physical Details
13AU07-13AU12	600mm(W)×580mm(D)×1700mm(H)
13AU15-13AU20	750mm(W)×680mm(D)×1870mm(H)



型号 Model	A	B	C	D	E	电源 Power
NACD04	940	975	815	780	660	220V/1 φ/50HZ
NACD12	940	1075	965	880	710	220V/1 φ/50HZ

### 风冷冷凝器外形尺寸

#### Air-cooled Condenser physical Details

## 基站空调性能参数

型 号	13AU07	13AU10	13AU12	13AU15	13AU20
制冷量(24℃ 50%)					
总制冷量(KW)	7.3	10.2	12.1	15.6	19.8
显制冷量(KW)	6.6	9.5	11.3	14.7	18.6
压缩机(涡旋式)					
功率(KW)	1.87	2.5	3.0	4.0	4.5
风机					
风量(m3/h)	1850	2250	2800	3780	4720
机外余压(Pa)	20	20	20	20	20
电加热: 管状翅片					
功率(KW)	4.5	6	6	6	6
加湿系统					
加湿量(kg)	4.5	4.5	4.5	4.5	4.5
加湿功率(KW)	3	3	3	3	3
外形尺寸及重量					
长×宽×高(mm)	600×580×1700	600×580×1700	600×580×1700	750×680×1870	750×680×1870
风帽高度(mm)	280	280	280	280	280
重量(kg)	160	180	200	225	250
风冷冷凝器					
型号-NACD	NACD04	NACD04	NACD04	NACD12	NACD12

## Technical Data

Model	13AU07	13AU10	13AU12	13AU15	13AU20
Cooling Capacity (24℃ 50%)					
Total Cooling Capacity (KW)	7.3	10.2	12.1	15.6	19.8
Sensible Cooling Capacity (KW)	6.6	9.5	11.3	14.7	18.6
Compressor (Scroll)					
Capacity (KW)	1.87	2.5	3.0	4.0	4.5
Fan Section					
Standard Air Flow (m³/h)	1850	2250	2800	3780	4720
External Static Pressure (Pa)	20	20	20	20	20
Electical Reheat: Fin-tubular Type					
Capacity (kW)	4.5	6	6	6	6
Humidifier Sectiont					
Capacity (kg)	4.5	4.5	4.5	4.5	4.5
Power (KW)	3	3	3	3	3
Physical Details					
W×D×H (mm)	600×580×1700	600×580×1700	600×580×1700	750×680×1870	750×680×1870
Height Of Air Plenum (mm)	280	280	280	280	280
Weight (kg)	160	180	200	225	250
Condenser					
Model-NACD	NACD04	NACD04	NACD04	NACD12	NACD12



# CANATAL

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*Canatal...  
a name you can trust for all your  
precision air conditioning needs.*



**CANATAL**

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