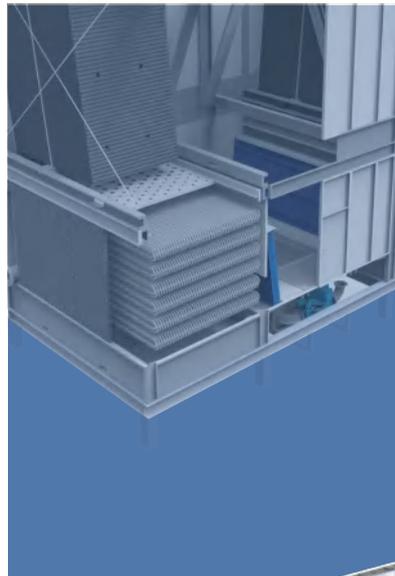


ROSEMEX

MC-22-1C

闭式冷却塔

CLOSED TYPE COOLING TOWER



RCD

两面进风

Double side air inlets

RCS

单面进风

Single side air inlet





关于ROSEMEX About ROSEMEX

ROSEMEX集团于1969年成立，总部设立在加拿大蒙特利尔，是一家高品质的热交换产品制造商。ROSEMEX的产品包括加热产品、冷却塔、液体冷却器、蒸发冷凝器、专利VAV空气阀、热泵、热回收装置、空气净化装置、屋顶装置、感应装置、冷却器、空气处理装置、风机盘管等，并广泛应用于商业及工业的取暖、通风和空调项目。ROSEMEX所设计和生产的产品拥有先进技术，完美的克服了项目中遇到的任何苛刻条件，在整合能源效率、创新、质量性能和价值方面表现最佳。

The ROSEMEX Group was founded in 1969 and is headquartered in Montreal, Canada which is a manufacturer of high quality heat exchange products. ROSEMEX' s products include heating products, cooling tower, liquid cooling tower, evaporative condenser, Patented VAV Air Valve, heat pump, heat recovery device, air purification device, roof top unit, induction unit, cooler, air handling unit, fan coil unit, etc. It is widely used in commercial and industrial heating, ventilation and air conditioning projects.

ROSEMEX has designed and produced state-of-the-art products to meet the stringent requirement of energy efficiency, innovative, quality and performance.

资质证书 Certification

- CTI Cooling Technology Institute
- OHSAS18001-2007 ■ ISO14001-2004 ■ ISO9001-2008



关于工厂 About Factory

ROSEMEX 工厂制造商生产各类型号的闭式冷却塔，应用于民用空调和工业冷却系统。

ROSEMEX manufactures various models of closed circuit cooling towers for HVAC and industrial applications.



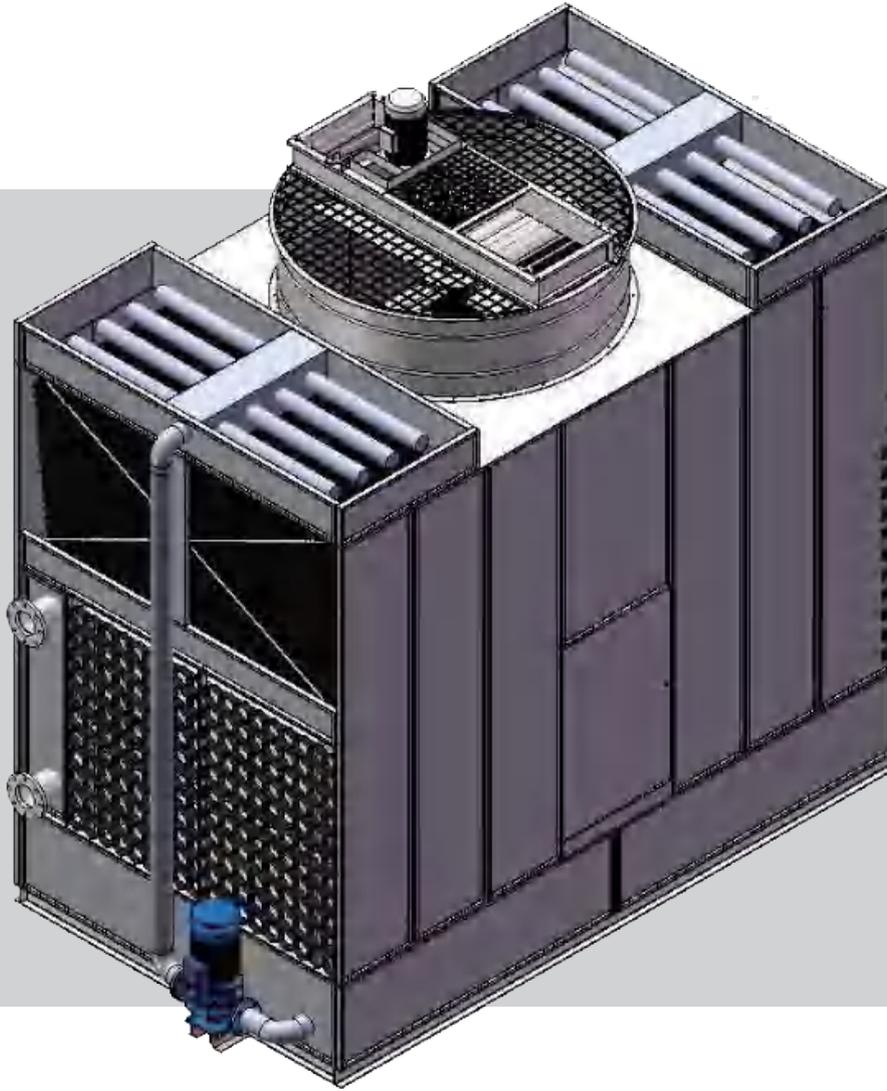
工厂生产的RCD系列闭式冷却塔和ROD系列开式冷却塔。

Display of RCD series closed circuit cooling towers and ROD series open cooling towers.

闭式冷却塔的盘管有热浸锌钢管，不锈钢管和铜管。

Advanced evaporative condenser design with various types of coils in galvanized steel, stainless steel and copper.

产品 Product

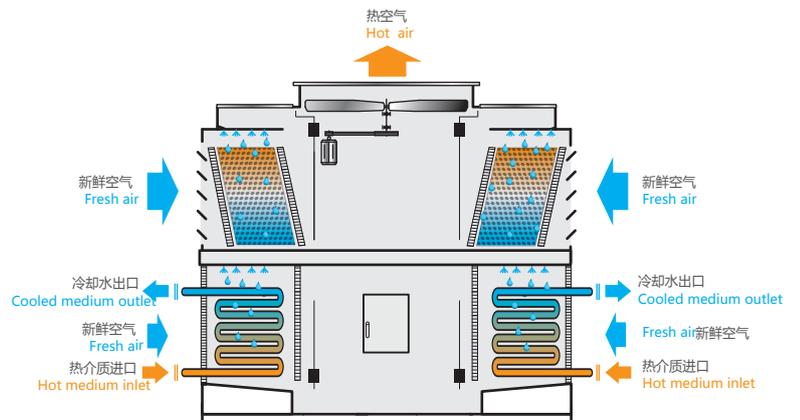


RCD 系列 RCD Model

原理 Principle

横流闭式冷却塔采用了模块化设计，主要特点是低噪声，适用于民用空调和工业冷却环境。

The crossflow closed circuit cooling tower is designed with modular configuration. This crossflow closed circuit cooling tower is low noise and suitable for all industrial, HVAC and commercial applications.



冷却塔的设计着眼于外观，钢框架，颜色，噪声，风机和空气交换，更好地与现场环境融合，满足现场各种要求。

The design of the cooling tower, exterior appearance, steel structure, color, noise, fan and air discharge are designed to meet the project requirements.

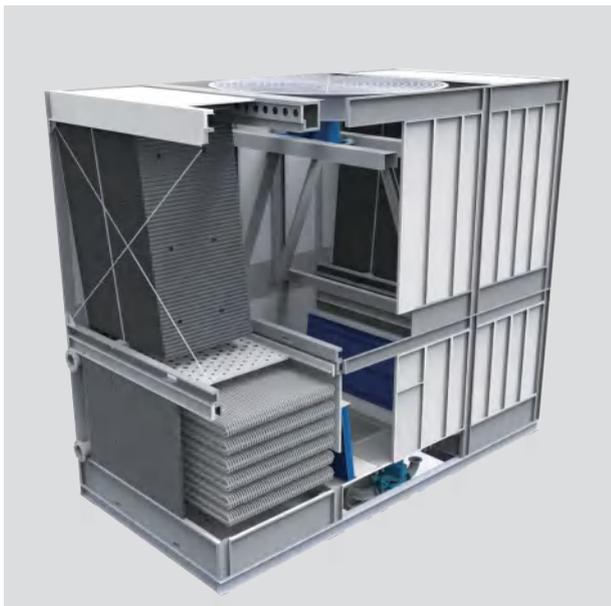


冷却塔的设计考虑到更方便的现场安装，更简单的基础要求，综合考虑管道设置，维保，现场多台连接和控制等多方面因素。

ROSEMEX has applied an easy and simple design to suit the overall cooling tower layout, foundation, pipings, maintenance, site connections and remote control requirements.

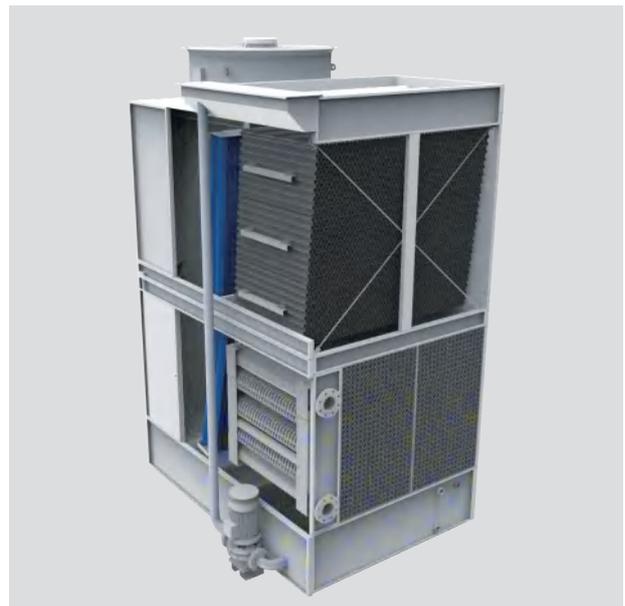
ROSEMEX闭式冷却塔 ROSEMEX Closed Circuit Cooling Tower

- CTI测试的单模块冷却能力为30冷吨到650冷吨
The cooling capacity range of single modular closed circuit cooling towers certified by CTI is from 30 RT to 650 RT
- 冷却塔主要部件都是钢制，更高强度和更环保
Major components are manufactured of steel which are more rugged and environmental friendly
- 在工厂完成安装并测试，质量更有保障
Factory assembled and tested to assure quality
- 模块化设计使运输和现场安装更方便
Modular design enables easy shipping and site assembly
- 冷却塔自带槽钢底座，大大减少现场基础成本和工程量
The "I" beam steel support base frame would minimize site foundation work



RCD

- 两面进风
Double side air inlets
- 同时适用于民用和工业冷却
For commercial & industrial application
- 低噪音
Low noise



RCS

- 单面进风
Single side air inlet
- 适用于工业冷却，尤其是现场安装环境受限的场所
Widely used for industrial application or where air inlet is restricted

其他系列 Other Series

ROSEMEX冷却塔和蒸发冷产品系列

ROSEMEX products and models of cooling towers and evaporative condensers



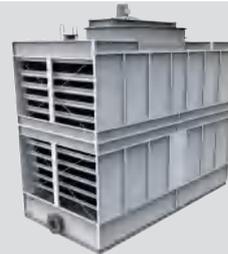
RCT闭式逆流冷却塔
Counter flow closed circuit cooling tower



RCTF干湿两用闭式冷却塔
Counter flow closed circuit wet & dry cooling tower



ROS开式侧流冷却塔
Open type cooling tower with single side air inlet



ROD开式横流冷却塔
Open type cooling tower with double side air inlets



ROT开式逆流冷却塔
Counter flow open type cooling tower



RES侧流蒸发冷
Evaporative condenser with single side air inlet



RED横流蒸发冷
Evaporative condenser with double side air inlets



RET逆流蒸发冷
Counter flow evaporative condenser

热力性能和选型 Thermodynamic Performance and Selection

热力性能 Thermal Performance

ROSEMEX承诺所有的冷却塔和蒸发冷产品均满足热力性能测试。
ROSEMEX assure that all cooling towers and evaporative condenser meet with thermal performance tests.

CTI测试的闭式冷却塔单模块冷却能力为30冷吨到650冷吨。
The cooling capacity range of single modular closed circuit cooling towers certified by CTI is from 30 RT to 650 RT.

选型软件用于冷却塔选型，安装，运行和维保。
The selection software is available for model selection, and also to be used for installation, operation and maintenance support.

选型方法 Selection Method

技术参数
Technical parameters:

冷却介质：(水，或者乙二醇溶液，或者制冷剂)
Cooling medium: water (or ethylene glycol, propylene glycol)

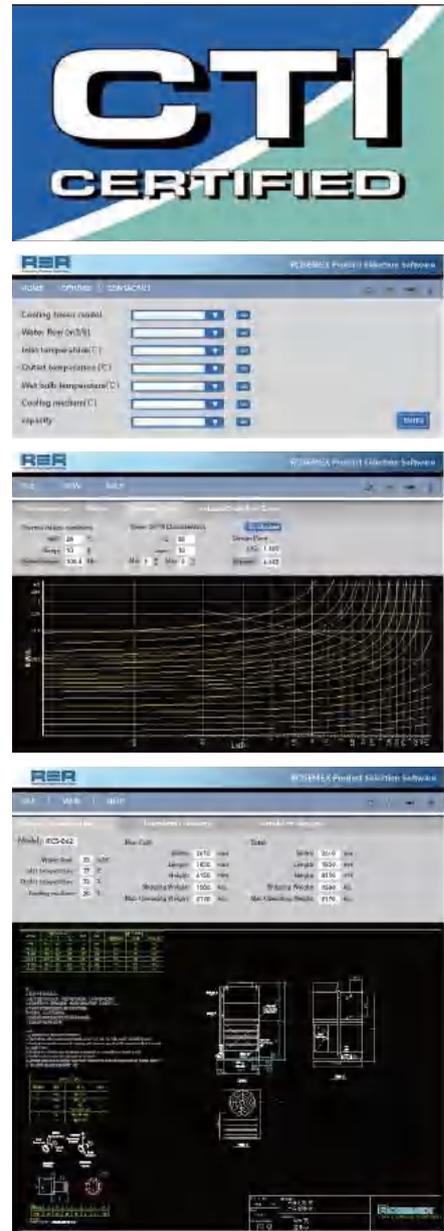
流量：
Water flow: _____GPM or (m³/hr)

进水温度：
Inlet water temperature: _____°F or (°C)

出水温度：
Outlet water temperature: _____°F or (°C)

湿球温度：
Wet bulb temperature: _____°F or (°C)

具体请参考CTI官网或者ROSEMEX官网。
Select the cooling tower model from CTI website or ROSEMEX website.



主要部件 Major Components

| 描述 Description | 选项-种类/品牌 Options - Type/Brand |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 冷却塔 Cooling tower | <input type="checkbox"/> RCD-两面进风 RCD - Double side air inlets |
| | <input type="checkbox"/> RCS-单面进风 RCS - Single side air inlet |
| | <input type="checkbox"/> RCT-四面进风 RCT - Four side air inlets |
| 冷却塔框架材质 Cooling tower frame material | <input type="checkbox"/> 镀镁铝锌钢 Magnesium Aluminum Ainc Steel |
| | <input type="checkbox"/> Z700 镀锌钢 G235 (Z700) hot dip galvanized steel |
| | <input type="checkbox"/> SS304 不锈钢 SUS304 stainless steel |
| | <input type="checkbox"/> SS316L 不锈钢 316L stainless steel |
| 冷却塔外壳 Cooling tower casing | <input type="checkbox"/> 镀镁铝锌钢 Magnesium Aluminum Ainc Steel |
| | <input type="checkbox"/> Z700 镀锌钢 G235 (Z700) hot dip galvanized steel |
| | <input type="checkbox"/> SS304 不锈钢 SUS304 stainless steel |
| | <input type="checkbox"/> SS316L 不锈钢 316L stainless steel |
| 冷却塔水盘 Cooling tower water pan | <input type="checkbox"/> 镀镁铝锌钢 Magnesium Aluminum Ainc Steel |
| | <input type="checkbox"/> Z700 镀锌钢 G235 (Z700) hot dip galvanized steel |
| | <input type="checkbox"/> SS304 不锈钢 SUS304 stainless steel |
| | <input type="checkbox"/> SS316L 不锈钢 316L stainless steel |
| 冷却塔盘管 Cooling coil material | <input type="checkbox"/> 热浸锌钢管 Hot dip galvanized steel pipe |
| | <input type="checkbox"/> SS304 不锈钢 SUS304 stainless steel tube |
| | <input type="checkbox"/> SS316L 不锈钢 SUS316 stainless steel tube |
| | <input type="checkbox"/> T2 紫铜管 TP2Y copper tube |
| 风机传动系统 Fan drive system | <input type="checkbox"/> 直联 Direct Driven |
| | <input type="checkbox"/> 皮带传动 Belt Driven |
| | <input type="checkbox"/> 齿轮箱传动 Gear Driven |
| 风叶材质 Fan blade material | <input type="checkbox"/> 铝合金中空机翼型叶片 Hollow aluminum alloy |
| 电机品牌 Motor brand | <input type="checkbox"/> ABB ABB <input type="checkbox"/> 霍尼韦尔 Honeywell <input type="checkbox"/> 西门子 Siemens <input type="checkbox"/> 万高 WEG |
| 填料 Fill | <input type="checkbox"/> PVC <input type="checkbox"/> PP |
| 喷淋头 Spray nozzle | <input type="checkbox"/> ABS |

设计人员可参考《选型方法》、《主要部件材质清单》设计选型方案。

The designer may refer to Selection method , Major components material list for options.

冷却塔结构 Structure of Cooling Tower

ROSEMEX冷却塔采用全钢设计, 包括底座, 外壳, 积水盘和布水器等等。标准配置镀锌钢板。

ROSEMEX cooling towers are constructed of steel, including the frames, casings, pans, and distribution box etc. Steel is G235.

框架 Frame

框架由双折钢制成, 并用镀锌螺栓组装无需焊接。

Frame is made of double folded steel and assembled with galvanized bolts without welding.



外壳 Casing

冷却塔外壳由钢板制成, 并用镀锌螺栓组装无需焊接。

Casing is made of steel that assembled with galvanized bolts without welding.



冷水盘 Cold Water Basin

冷却塔积水盘采用L梯形设计, 减少运行积水重量, 减少藻类生长。

The sloped basin design reduces operating weight, avoids the formation of algae fungus in the pan and is equipped with L shape drain outlet at the bottom of the concave basin pan.



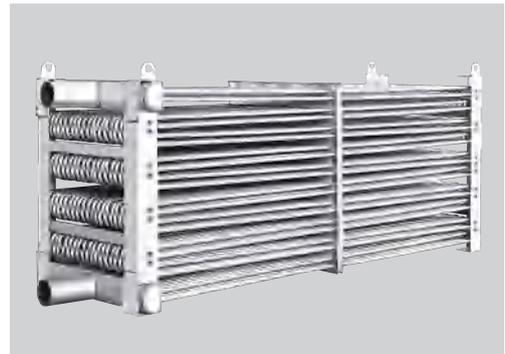
底座 Basin Support

冷却塔底座采用镀锌钢, 减少现场基础成本和工作量。

The base of the cooling tower is made of galvanized steel to reduce the foundation cost and workload on site.

盘管 Coil

- 盘管组包括进出水汇水口，支架和进出水连接管
 Coil consists of water inlet and outlet headers, support and inlet and outlet piping
- 盘管采用蛇形回路设计
 Coil consists of serpentine pipes running in a slope opposite to the air flow
- 每根盘管倾斜角度不小于0.01度，利于排空管内冷却水
 The slope of each pipe is not less than 0.01 for easy drainage
- 管内冷却水流速为0.6M/S-2M/S
 The flow velocity inside the pipe is 0.6 - 2.0 m/s
- 可提供快速更换接头
 There are special quick connect fittings at the inlet and outlet of each serpentine pipe
- 管内压降 $\leq 70\text{kPa}$
 The coil water side resistance is less than or equal to 70kPa
- 常规配置为304不锈钢管，可选T2紫铜管
 Conventional configuration is 304 stainless steel pipe and T2 copper pipe is optional



压力测试 The Pressure Test

- 钢管型 -2.5Mpa Type G- 363 PSI (2.5Mpa)
- 不锈钢型-2.0Mpa Type S- 290 PSI (2.0Mpa)
- 铜管型 -1.6Mpa Type T- 232 PSI (1.6Mpa)

盘管规格 Coil Specification

- 钢管型-直径19mm，壁厚1.2mm
 Type G : 19mm diameter,1.2mm wall thickness
- 不锈钢型-直径19mm，壁厚0.8mm
 Type S : 19mm diameter,0.8mm wall thickness
- 铜管型-直径19mm，壁厚0.6mm
 Type T :19mm diameter,0.6mm wall thickness

喷淋系统 Spray System

喷淋系统包括：喷淋泵，进水阀，布水管，喷淋头，补水，排污，水处理等等。

Spray system consists of spray pump, water inlet pipe valve, water distribution pipes, pre-cooling fill nozzles, make up water supply device, drainage device, water treatment, etc.

布水方式 Water Distribution Mode

布水盒常规配置：Z700镀锌钢

General configuration of distribution water tank: Material is Z700 .

平衡水箱式的布水方式，布水压力更稳定，淋水更均匀。

Water distribution pipes: There is a self-balance buffer chamber in front of the water distribution pipes to provide an evenly pressurized uniform water distribution.

进水管材质 Inlet Pipe Material

热浸镀锌钢管，304不锈钢管可选。

Hot dip galvanized steel pipe, and 304 stainless steel is optional.

喷淋头 Nozzle

ABS材质，便于更换和调整角度。

The ABS nozzle can be replaced during operation, and the spray angle can be adjusted.

喷淋泵 Spray Pump

基于国标JIS-C4210，防护等级IP55，绝缘等级F，喷淋泵扬程3-8M。

Spray pump is based on the JIS-C4210 Standards, motor protection class IP55, insulation class F. The spray pump head is based on the height of the cooling tower i.e. from 3m to 8m.



喷淋系统 Spray System

填料 Fill

填料采用PVC原材料，薄膜式斜波纹交错型，散热效率更高，整体式布局更合理，填料可拆卸清洗，维护更方便，使喷淋水损失率控制在0.001%，有两种填料可选择：

Fills are designed with the most suitable flame retardant PVC material to give the best thermal performance taking into consideration the ventilation, water quality and maintenance conditions. Fills are suspended on galvanized steel pipes for easy maintenance and effective evaporation. The integral fill and louver along with a double pass drift eliminator reduce drift loss to less than 0.001%. There are two types of fills:

A 标准PVC填料，可耐温60℃

A Standard PVC fill, good for temperature of 60 °C

B 高温PP填料，可耐温105℃

B High temperature PP fill, good for temperature of 105 °C



补水、溢流及排污系统

Make up Water, Overflow and Drain out

补水采用浮球阀控制及冷却水盘阶梯式的设计更利于排污。

There is a make up water float valve and an overflow connection. The bottom of basin is sloped and has to bleed off periodically to reduce the mineral content.



风机系统 Fan Assembly

风叶 Fan Blade

风叶采用铝合金中空机翼型叶片，风叶角度可调。

The Fan blade is an aluminum alloy hollow airfoil blade and the blade angle index can be adjusted if needed.



冷却塔风机分类

Classification of Fan for Cooling Tower

RCS系列（风机直径 $\leq 1800\text{mm}$ ）使用直联（440-750 RPM）单面进风，抽风型，免维护轴承。

Series RCS (fan diameter $\leq 1800\text{mm}$) fan assembly is direct drive (440-750 RPM), single side air inlet, top air discharge, with built-in maintenance free bearing.

RCD-34X-39X系列，两面进风，风机直径 $\leq 3400\text{mm}$ ，使用轻型齿轮箱传动。

Series RCD-34X to RCD-39X, double side air inlets towers, (fandiameter $\leq 3400\text{mm}$) which use light gearbox transmission.

RCD-4XX系列，两面进风，风机直径 $\leq 3900\text{mm}$ ，使用齿轮箱传动。

Series RCD-4XX, double side air inlets towers, (fan diameter $\leq 3900\text{mm}$) which are gear driven.



风机电机 Motor for Fan

■ 风机电机采用冷却塔专用全封闭型电机（TEFC或者TEAO）

Motors for fan assemblies are fully enclosed outdoor type (TEFC or TEAO)

■ 电机基于国标JIS-C4210，防护等级IP55及绝缘等级F
Motor is based on JIS-C4210 Standards, motor protection class IP55, insulation class F

■ 电机设计基于1.15安全系数，免维护轴承

Motor design is based on 1.15 safety factor with built-in maintenance free bearings

■ 可选项：变频电机/高效电机/双速电机

Options: variable frequency drive motor, high efficient motor, multi speed motor



选配件 Options

选配件主要包括以下内容

Options Available for the Following Items

- 带安全笼的爬梯, 围栏, 检修平台, 标准配置热浸锌钢, 不锈钢材质为选配
Ladder with safety cage, handrail guard and platform, materials to be galvanized steel as standard and stainless steel as also optional



- 积水盘电加热
Electric heater for the basin freeze protection

- 电子水位仪
Electric level control sensor



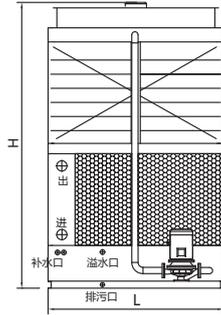
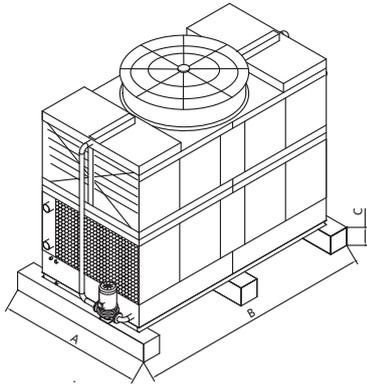
- 电控箱
Electric control panel

- 电控箱主要控制电机, 检测水温, 水位, 可选显示屏, PLC触摸屏, 变频控制等
Control panel is available to control motor, water temperature, water level to achieve operation efficiency. Remote monitoring, PLC intelligent centralized control and variable frequency control are optional

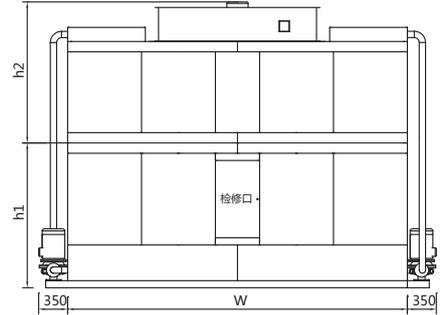
- 冷却塔噪声主要受到冷却塔设计及尺寸, 风机, 风叶类型, 风压, 换气面积, 电机转速, 消音, 换热区域, 喷淋区域等影响, 我们可以很多方式降低噪声满足现场要求
Noise is affected by the design and tower size, fan discharge, type of fan blade, air pressure drop, fan discharge area, fan speed, silencers, heat exchanger area, spray area, etc. There are ways to minimize noise to meet the requirements



RCD 数据表 RCD Engineering Data



侧视图1



侧视图2

| 型号 Model | 流量 Flow m ³ /h 37-32°C Δt=5°C | 风机参数 Fan | | 喷淋泵 Spew Pump | | 进口口径 Inlet DN(mm) | 出口口径 Outlet DN(mm) | 外形尺寸 (mm) Outline Dimension | | | | | 运输重量 Shipping Weight kg | 运行重量 Operating Weight kg |
|-----------|---------------------------------------------------|----------------------|-----------------------------------------------------------|-----------------------------------------|----------------------|-------------------------|--------------------------|-----------------------------|------|------|------|------|----------------------------------|-----------------------------------|
| | | 功率 kw Power KW | 风量 m ³ /s Airflow Rate m ³ /s | 水量 l/s The Amount of Water l/s | 功率 kw Power KW | | | 长 | 宽 | 高 | 上箱 | 下箱 | | |
| | | | | | | | | | | | | | | |
| RCD-341BD | 45 | 4 | 16.6 | 29 | (2)1.1 | 100 (2) | 100 (2) | 2250 | 3792 | 3550 | 3192 | / | 2800 | 5150 |
| RCD-342BD | 50 | 4 | 16.6 | 29 | (2)1.1 | 100 (2) | 100 (2) | 2250 | 3792 | 3550 | 3192 | / | 3120 | 5470 |
| RCD-342ED | 56 | 4 | 16.6 | 29 | (2)1.1 | 100 (2) | 100 (2) | 2250 | 3792 | 4150 | 2067 | 2083 | 3650 | 5950 |
| RCD-342EP | 64 | 5.5 | 19.4 | 29 | (2)1.1 | 100 (2) | 100 (2) | 2250 | 3792 | 4150 | 2067 | 2083 | 3700 | 6000 |
| RCD-343EP | 71 | 5.5 | 19.4 | 29 | (2)1.1 | 100 (2) | 100 (2) | 2250 | 3792 | 4150 | 2067 | 2083 | 4100 | 6450 |
| RCD-343EL | 78 | 7.5 | 22.5 | 29 | (2)1.1 | 100 (2) | 100 (2) | 2250 | 3792 | 4150 | 2067 | 2083 | 4150 | 6500 |
| RCD-361BD | 73 | 5.5 | 25.5 | 38 | (2)1.5 | 100 (2) | 100 (2) | 2476 | 4792 | 3550 | 3192 | / | 4280 | 7530 |
| RCD-362BP | 85 | 7.5 | 30 | 38 | (2)1.5 | 100 (2) | 100 (2) | 2476 | 4792 | 3550 | 3192 | / | 4620 | 7740 |
| RCD-362ED | 91 | 7.5 | 30 | 38 | (2)1.5 | 125 (2) | 125 (2) | 2476 | 4792 | 4150 | 2067 | 2083 | 4990 | 8240 |
| RCD-362EP | 105 | 11 | 36.6 | 38 | (2)1.5 | 125 (2) | 125 (2) | 2476 | 4792 | 4150 | 2067 | 2083 | 5040 | 8290 |
| RCD-363ED | 104 | 7.5 | 30 | 38 | (2)1.5 | 125 (2) | 125 (2) | 2476 | 4792 | 4150 | 2067 | 2083 | 5300 | 8600 |
| RCD-363EP | 112 | 11 | 36.6 | 38 | (2)1.5 | 125 (2) | 125 (2) | 2476 | 4792 | 4150 | 2067 | 2083 | 5380 | 8650 |
| RCD-363HP | 117 | 11 | 36.6 | 38 | (2)1.5 | 125 (2) | 125 (2) | 2476 | 4792 | 4980 | 2551 | 2429 | 5700 | 8900 |
| RCD-363HG | 130 | 15 | 42 | 38 | (2)1.5 | 125 (2) | 125 (2) | 2476 | 4792 | 4980 | 2551 | 2429 | 5780 | 9000 |
| RCD-364HP | 137 | 11 | 36.6 | 38 | (2)1.5 | 125 (2) | 125 (2) | 2476 | 4792 | 4980 | 2551 | 2429 | 6050 | 9550 |
| RCD-364HG | 154 | 15 | 42 | 38 | (2)1.5 | 125 (2) | 125 (2) | 2476 | 4792 | 4980 | 2551 | 2429 | 6130 | 9650 |
| RCD-381BD | 101 | 7.5 | 35 | 55 | (2)2.2 | 125 (2) | 125 (2) | 2976 | 5220 | 3550 | 3192 | / | 5130 | 9060 |
| RCD-382BP | 115 | 11 | 41 | 55 | (2)2.2 | 125 (2) | 125 (2) | 2976 | 5220 | 3550 | 3192 | / | 5545 | 9345 |
| RCD-382ED | 123 | 11 | 41 | 55 | (2)2.2 | 125 (2) | 125 (2) | 2976 | 5220 | 4150 | 2067 | 2083 | 6060 | 9965 |
| RCD-382EP | 137 | 15 | 47.5 | 55 | (2)2.2 | 125 (2) | 125 (2) | 2976 | 5220 | 4150 | 2067 | 2083 | 6145 | 10045 |
| RCD-383ED | 134 | 11 | 41 | 55 | (2)2.2 | 125 (2) | 125 (2) | 2976 | 5220 | 4150 | 2067 | 2083 | 6550 | 10550 |
| RCD-383EP | 149 | 15 | 47.5 | 55 | (2)2.2 | 125 (2) | 125 (2) | 2976 | 5220 | 4150 | 2067 | 2083 | 6600 | 10600 |
| RCD-383HP | 165 | 15 | 47.5 | 55 | (2)2.2 | 125 (2) | 125 (2) | 2976 | 5220 | 4980 | 2551 | 2429 | 7000 | 11100 |
| RCD-383HG | 174 | 18.5 | 52.5 | 55 | (2)2.2 | 125 (2) | 125 (2) | 2976 | 5220 | 4980 | 2551 | 2429 | 7150 | 11150 |
| RCD-384HD | 175 | 15 | 47.5 | 55 | (2)2.2 | 125 (2) | 125 (2) | 2976 | 5220 | 4980 | 2551 | 2429 | 7770 | 11970 |
| RCD-384HP | 189 | 18.5 | 52.5 | 55 | (2)2.2 | 125 (2) | 125 (2) | 2976 | 5220 | 4980 | 2551 | 2429 | 7850 | 12070 |
| RCD-384HG | 201 | 22 | 56.6 | 55 | (2)2.2 | 125 (2) | 125 (2) | 2976 | 5220 | 4980 | 2551 | 2429 | 7920 | 12120 |



| 型号 Model | 流量 Flow m³/h 37-32°C Δt=5°C | 风机参数Fan | | 喷淋泵 Spew Pump | | 进口口径 Inlet | 出口口径 Outlet | 外型尺寸 (mm) Outline Dimension | | | | | 运输重量 Shipping Weight | 运行重量 Operating Weight |
|-----------|--------------------------------------|----------------|-------------------------|----------------------------------|----------------|---------------|----------------|-----------------------------|------|------|------|------|----------------------------|-----------------------------|
| | | 功率 kw Power | 风量 m³/s Airflow Rate | 水量 l/s The Amount of Water | 功率 kw Power | | | 长 | 宽 | 高 | 上箱 | 下箱 | | |
| | | KW | m³/s | l/s | KW | | | mm | mm | mm | mm | mm | | |
| RCD-393ED | 244 | 18.5 | 65 | 66 | (2)3 | 150 (2) | 150 (2) | 3620 | 6396 | 4150 | 2067 | 2083 | 9030 | 13880 |
| RCD-393EP | 259 | 22 | 72.5 | 66 | (2)3 | 150 (2) | 150 (2) | 3620 | 6396 | 4150 | 2067 | 2083 | 9080 | 13960 |
| RCD-393EG | 287 | 30 | 82.5 | 66 | (2)3 | 150 (2) | 150 (2) | 3620 | 6396 | 4150 | 2067 | 2083 | 9210 | 14080 |
| RCD-393HD | 270 | 22 | 72.5 | 66 | (2)3 | 150 (2) | 150 (2) | 3620 | 6396 | 4980 | 2551 | 2429 | 9880 | 14760 |
| RCD-393HP | 298 | 30 | 82.5 | 66 | (2)3 | 150 (2) | 150 (2) | 3620 | 6396 | 4980 | 2551 | 2429 | 10000 | 14880 |
| RCD-393HG | 320 | 37 | 97.5 | 66 | (2)3 | 150 (2) | 150 (2) | 3620 | 6396 | 4980 | 2551 | 2429 | 10130 | 15010 |
| RCD-394HD | 300 | 30 | 82.5 | 66 | (2)3 | 150 (2) | 150 (2) | 3620 | 6396 | 4980 | 2551 | 2429 | 10620 | 15650 |
| RCD-394HP | 322 | 37 | 97.5 | 66 | (2)3 | 150 (2) | 150 (2) | 3620 | 6396 | 4980 | 2551 | 2429 | 10750 | 15800 |
| RCD-394HG | 342 | 45 | 112.5 | 66 | (2)3 | 150 (2) | 150 (2) | 3620 | 6396 | 4980 | 2551 | 2429 | 10900 | 16000 |
| RCD-413ED | 271 | 18.5 | 81.5 | 129 | (2)5.5 | 150 (2) | 150 (2) | 3620 | 7316 | 5020 | 2501 | 2519 | 15550 | 22400 |
| RCD-413EL | 288 | 22 | 86.5 | 129 | (2)5.5 | 150 (2) | 150 (2) | 3620 | 7316 | 5020 | 2501 | 2519 | 15650 | 22500 |
| RCD-413EP | 320 | 30 | 96 | 129 | (2)5.5 | 150 (2) | 150 (2) | 3620 | 7316 | 5020 | 2501 | 2519 | 15800 | 22650 |
| RCD-413EG | 343 | 37 | 103 | 129 | (2)5.5 | 150 (2) | 150 (2) | 3620 | 7316 | 5020 | 2501 | 2519 | 15950 | 22800 |
| RCD-413HD | 305 | 22 | 88 | 129 | (2)5.5 | 200 (2) | 200 (2) | 3620 | 7316 | 6050 | 2501 | 3549 | 16200 | 23050 |
| RCD-413HL | 339 | 30 | 97 | 129 | (2)5.5 | 200 (2) | 200 (2) | 3620 | 7316 | 6050 | 2501 | 3549 | 16350 | 23200 |
| RCD-413HP | 360 | 37 | 104.5 | 129 | (2)5.5 | 200 (2) | 200 (2) | 3620 | 7316 | 6050 | 2501 | 3549 | 16500 | 23350 |
| RCD-413HG | 385 | 45 | 111.5 | 129 | (2)5.5 | 200 (2) | 200 (2) | 3620 | 7316 | 6050 | 2501 | 3549 | 16650 | 23500 |
| RCD-414HD | 363 | 30 | 98.5 | 129 | (2)5.5 | 200 (2) | 200 (2) | 3620 | 7316 | 6050 | 2501 | 3549 | 17550 | 24950 |
| RCD-414HL | 389 | 37 | 106.5 | 129 | (2)5.5 | 200 (2) | 200 (2) | 3620 | 7316 | 6050 | 2501 | 3549 | 17700 | 25100 |
| RCD-414HP | 415 | 45 | 113 | 129 | (2)5.5 | 200 (2) | 200 (2) | 3620 | 7316 | 6050 | 2501 | 3549 | 17850 | 25250 |
| RCD-414HG | 444 | 55 | 130 | 129 | (2)5.5 | 200 (2) | 200 (2) | 3620 | 7316 | 6050 | 2501 | 3549 | 18050 | 25450 |
| RCD-433ED | 337 | 22 | 101 | 129 | (2)5.5 | 150 (2) | 150 (2) | 4250 | 7960 | 5020 | 2501 | 2519 | 17670 | 25240 |
| RCD-433EL | 375 | 30 | 111 | 129 | (2)5.5 | 150 (2) | 150 (2) | 4250 | 7960 | 5020 | 2501 | 2519 | 17830 | 25400 |
| RCD-433EP | 402 | 37 | 120 | 129 | (2)5.5 | 150 (2) | 150 (2) | 4250 | 7960 | 5020 | 2501 | 2519 | 17970 | 25540 |
| RCD-433EG | 428 | 45 | 127 | 129 | (2)5.5 | 150 (2) | 150 (2) | 4250 | 7960 | 5020 | 2501 | 2519 | 18130 | 25700 |
| RCD-433HD | 397 | 30 | 112 | 129 | (2)5.5 | 200 (2) | 200 (2) | 4250 | 7960 | 6050 | 2501 | 3549 | 18440 | 26000 |
| RCD-433HL | 425 | 37 | 121.5 | 129 | (2)5.5 | 200 (2) | 200 (2) | 4250 | 7960 | 6050 | 2501 | 3549 | 18580 | 26140 |
| RCD-433HP | 454 | 45 | 129.5 | 129 | (2)5.5 | 200 (2) | 200 (2) | 4250 | 7960 | 6050 | 2501 | 3549 | 18740 | 26300 |
| RCD-433HG | 485 | 55 | 138 | 129 | (2)5.5 | 200 (2) | 200 (2) | 4250 | 7960 | 6050 | 2501 | 3549 | 18940 | 26500 |
| RCD-434HD | 425 | 30 | 114 | 129 | (2)5.5 | 200 (2) | 200 (2) | 4250 | 7960 | 6050 | 2501 | 3549 | 19950 | 28120 |
| RCD-434HL | 456 | 37 | 122.5 | 129 | (2)5.5 | 200 (2) | 200 (2) | 4250 | 7960 | 6050 | 2501 | 3549 | 20100 | 28270 |
| RCD-434HP | 480 | 45 | 130 | 129 | (2)5.5 | 200 (2) | 200 (2) | 4250 | 7960 | 6050 | 2501 | 3549 | 20260 | 28430 |
| RCD-434HG | 510 | 55 | 142 | 129 | (2)5.5 | 200 (2) | 200 (2) | 4250 | 7960 | 6050 | 2501 | 3549 | 20460 | 28630 |

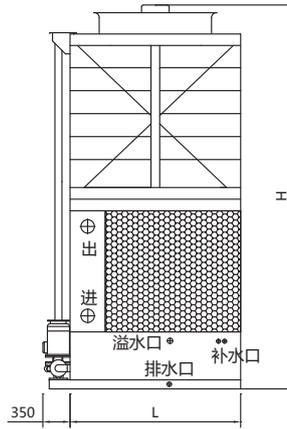
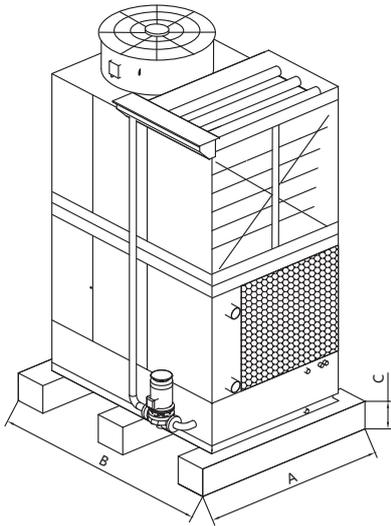
备注

- 1、型号说明:RCD-341BD
R: 制造商 C: 闭式
D: 双面进风 314BD: 机型代码
- 2、参考工况: 流量按湿球温度28°C计算
- 3、RCD型适用于低噪音空调项目
- 4、CTI认证机型适用于为单塔, 也适用于多台组合塔
- 5、上述设备均选用304不锈钢盘管
- 6、更多信息可参考配套版本软件

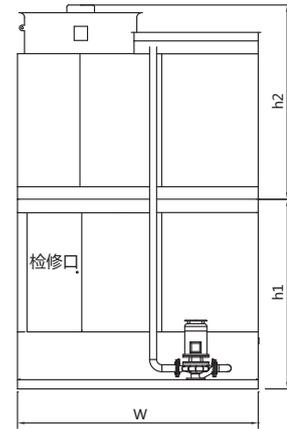
NOTES

- 1、Nomenclature:RCD-341BD
R: Manufacturer C: Closed circuit type
D: Double side air inlets 314BD: Model code
- 2、The Flow Rate is based on the Wet Bulb Temperature 28°C
- 3、RCD model is suitable for low noise air condition projects
- 4、The above CTI CERTIFICATES are for single module and can apply to multiple modules
- 5、The above capacities are base on 304 stainless steel coils
- 6、Refer to selection software for more information

RCS 数据表 RCS Engineering Data



侧视图1



侧视图2

| 型号 Model | 流量 Flow m ³ /h 37-32°C Δt=5°C | 风机参数Fan | | 喷淋泵 Spew Pump | | 进口口径 Inlet DN(mm) | 出口口径 Outlet DN(mm) | 外型尺寸 (mm) Outline Dimension | | | | | 运输重量 Shipping Weight kg | 运行重量 Operating Weight kg |
|-----------|---------------------------------------------------|----------------------|-----------------------------------------------------------|-----------------------------------------|----------------------|-------------------------|--------------------------|-----------------------------|------|------|------|------|----------------------------------|-----------------------------------|
| | | 功率 kw Power KW | 风量 m ³ /s Airflow Rate m ³ /s | 水量 l/s The Amount of Water l/s | 功率 kw Power KW | | | 长 | 宽 | 高 | 上箱 | 下箱 | | |
| | | | | | | | | | | | | | | |
| RCS-012ED | 20 | 2.2 | 8 | 13 | 1.1 | 100 (1) | 100 (1) | 1528 | 2250 | 4150 | 2067 | 2083 | 1300 | 2200 |
| RCS-012EG | 22 | 3 | 11 | 13 | 1.1 | 100 (1) | 100 (1) | 1528 | 2250 | 4150 | 2067 | 2083 | 1325 | 2220 |
| RCS-013ED | 24 | 3 | 11 | 13 | 1.1 | 100 (1) | 100 (1) | 1528 | 2250 | 4150 | 2067 | 2083 | 1350 | 2250 |
| RCS-013EG | 26 | 4 | 13 | 13 | 1.1 | 100 (1) | 100 (1) | 1528 | 2250 | 4150 | 2067 | 2083 | 1400 | 2410 |
| RCS-062ED | 31 | 3 | 13 | 18 | 1.5 | 100 (1) | 100 (1) | 1850 | 2610 | 4150 | 2067 | 2083 | 1730 | 3110 |
| RCS-062EG | 34 | 4 | 17 | 18 | 1.5 | 100 (1) | 100 (1) | 1850 | 2610 | 4150 | 2067 | 2083 | 1750 | 3130 |
| RCS-063ED | 35 | 4 | 17 | 18 | 1.5 | 100 (1) | 100 (1) | 1850 | 2610 | 4150 | 2067 | 2083 | 1850 | 3270 |
| RCS-063EG | 39 | 5.5 | 18 | 18 | 1.5 | 125 (1) | 125 (1) | 1850 | 2610 | 4150 | 2067 | 2083 | 1870 | 3290 |
| RCS-132ED | 36 | 4 | 18 | 23 | 2.2 | 125 (1) | 125 (1) | 1850 | 2896 | 4150 | 2067 | 2083 | 1960 | 3510 |
| RCS-132EG | 40 | 5.5 | 21 | 23 | 2.2 | 125 (1) | 125 (1) | 1850 | 2896 | 4150 | 2067 | 2083 | 1980 | 3530 |
| RCS-133ED | 43 | 5.5 | 19 | 23 | 2.2 | 125 (1) | 125 (1) | 1850 | 2896 | 4150 | 2067 | 2083 | 2080 | 3680 |
| RCS-133EG | 47 | 7.5 | 23 | 23 | 2.2 | 125 (1) | 125 (1) | 1850 | 2896 | 4150 | 2067 | 2083 | 2130 | 3730 |
| RCS-153ED | 69 | 5.5 | 22 | 27.7 | 2.2 | 125 (1) | 125 (1) | 2250 | 3540 | 4150 | 2067 | 2083 | 3150 | 5460 |
| RCS-153EG | 76 | 7.5 | 24 | 27.7 | 2.2 | 125 (1) | 125 (1) | 2250 | 3540 | 4150 | 2067 | 2083 | 3260 | 5570 |
| RCS-154HD | 84 | 7.5 | 24 | 33.3 | 3 | 125 (1) | 125 (1) | 2250 | 3540 | 4980 | 2551 | 2429 | 3680 | 6050 |
| RCS-154HG | 95 | 11 | 27 | 33.3 | 3 | 125 (1) | 125 (1) | 2250 | 3540 | 4980 | 2551 | 2429 | 3750 | 6120 |

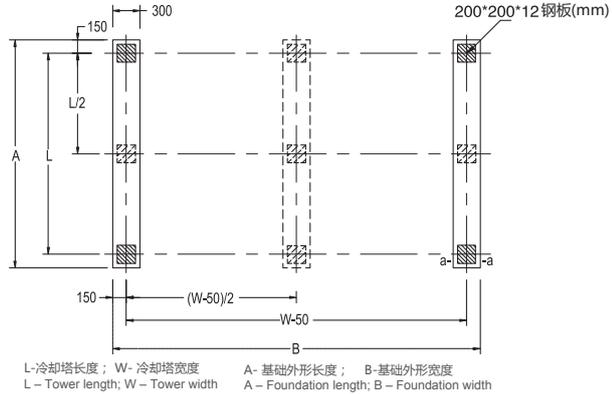
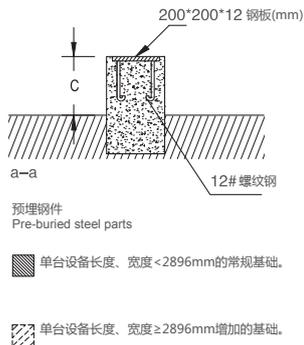
备注

- 1、型号说明:RCS-012ED
R:制造商 C:闭式
S:单面进风 012ED:机型代码
- 2、参考工况：流量按湿球温度28°C计算
- 3、RCS型适用于低噪音空调项目
- 4、CTI认证机型适用于为单塔，也适用于多台组合塔
- 5、上述设备均选用304不锈钢盘管
- 6、更多信息可参考配套版本软件

NOTES

- 1、Nomenclature: RCS-012ED
R: Manufacturer C: Closed circuit type
S: Single side air inlets 012ED: Model code
- 2、The Flow Rate is based on the Wet Bulb Temperature 28°C
- 3、RCS model is suitable for industrial cooling projects
- 4、The above CTI CERTIFICATES are for single module and can apply to multiple modules
- 5、The above capacities are base on 304 stainless steel coils
- 6、Refer to selection software for more information

承重基础说明 Instructions For Tower Foundation



RCD 型承重基础说明 Instructions for Tower Foundation RCD-type

| 型号 Modle | 外型尺寸 (mm) Outline Dimension | | 基础尺寸 (mm) Foundation Size | | | 进口口径 Inlet DN(mm) | 出口口径 Outlet DN(mm) | 补水口 Replenishment DN(mm) | 排污口 Drain DN(mm) | 溢流口 Overflow DN(mm) |
|-----------------|--------------------------------|------|------------------------------|------|------|----------------------|-----------------------|--------------------------------|---------------------|---------------------------|
| | 长 L | 宽 W | A | B | C | | | | | |
| RCD-34 series | 2250 | 3792 | 2550 | 4042 | ≥350 | 100 (2) | 100 (2) | 25 | 50 | 50 |
| RCD-36 series | 2476 | 4792 | 2776 | 5042 | ≥350 | 100 (2) | 100 (2) | 25 | 50 | 50 |
| RCD-38 series | 2976 | 5220 | 3276 | 5470 | ≥350 | 125 (2) | 125 (2) | 25 | 50 | 50 |
| RCD-39 series | 3620 | 6396 | 3920 | 6646 | ≥350 | 150 (2) | 150 (2) | 25 | 50 | 50 |
| RCD-413E series | 3620 | 7316 | 3920 | 7566 | ≥500 | 150 (2) | 150 (2) | 40 | 65 | 65 |
| RCD-413H series | 3620 | 7316 | 3920 | 7566 | ≥500 | 200 (2) | 200 (2) | 40 | 65 | 65 |
| RCD-414 series | 3620 | 7316 | 3920 | 7566 | ≥500 | 200 (2) | 200 (2) | 40 | 65 | 65 |
| RCD-433E series | 4250 | 7960 | 4550 | 8210 | ≥500 | 150 (2) | 150 (2) | 40 | 65 | 65 |
| RCD-433H series | 4250 | 7960 | 4550 | 8210 | ≥500 | 200 (2) | 200 (2) | 40 | 65 | 65 |
| RCD-434 series | 4250 | 7960 | 4550 | 8210 | ≥500 | 200 (2) | 200 (2) | 40 | 65 | 65 |

RCS 型承重基础说明 Instructions for Tower Foundation RCS-type

| 型号 Modle | 外型尺寸 (mm) Outline Dimension | | 基础尺寸 (mm) Foundation Size | | | 进口口径 Inlet DN(mm) | 出口口径 Outlet DN(mm) | 补水口 Replenishment DN(mm) | 排污口 Drain DN(mm) | 溢流口 Overflow DN(mm) |
|-----------|--------------------------------|------|------------------------------|------|------|----------------------|-----------------------|--------------------------------|---------------------|---------------------------|
| | 长 L | 宽 W | A | B | C | | | | | |
| RCS-012ED | 1528 | 2250 | 1828 | 2500 | ≥350 | 100 (1) | 100 (1) | 25 | 50 | 50 |
| RCS-012EG | 1528 | 2250 | 1828 | 2500 | ≥350 | 100 (1) | 100 (1) | 25 | 50 | 50 |
| RCS-013ED | 1528 | 2250 | 1828 | 2500 | ≥350 | 100 (1) | 100 (1) | 25 | 50 | 50 |
| RCS-013EG | 1528 | 2250 | 1828 | 2500 | ≥350 | 100 (1) | 100 (1) | 25 | 50 | 50 |
| RCS-062ED | 1850 | 2610 | 2150 | 2860 | ≥350 | 100 (1) | 100 (1) | 25 | 50 | 50 |
| RCS-062EG | 1850 | 2610 | 2150 | 2860 | ≥350 | 100 (1) | 100 (1) | 25 | 50 | 50 |
| RCS-063ED | 1850 | 2610 | 2150 | 2860 | ≥350 | 100 (1) | 100 (1) | 25 | 50 | 50 |
| RCS-063EG | 1850 | 2610 | 2150 | 2860 | ≥350 | 125 (1) | 125 (1) | 25 | 50 | 50 |
| RCS-132ED | 1850 | 2896 | 2150 | 3146 | ≥350 | 125 (1) | 125 (1) | 25 | 50 | 50 |
| RCS-132EG | 1850 | 2896 | 2150 | 3146 | ≥350 | 125 (1) | 125 (1) | 25 | 50 | 50 |
| RCS-133ED | 1850 | 2896 | 2150 | 3146 | ≥350 | 125 (1) | 125 (1) | 25 | 50 | 50 |
| RCS-133EG | 1850 | 2896 | 2150 | 3146 | ≥350 | 125 (1) | 125 (1) | 25 | 50 | 50 |
| RCS-153ED | 2250 | 3540 | 2550 | 3790 | ≥350 | 125 (1) | 125 (1) | 25 | 50 | 50 |
| RCS-153EG | 2250 | 3540 | 2550 | 3790 | ≥350 | 125 (1) | 125 (1) | 25 | 50 | 50 |
| RCS-154HD | 2250 | 3540 | 2550 | 3790 | ≥350 | 125 (1) | 125 (1) | 25 | 50 | 50 |
| RCS-154HG | 2250 | 3540 | 2550 | 3790 | ≥350 | 125 (1) | 125 (1) | 25 | 50 | 50 |

备注

1. 冷却塔基础可采用混凝土条形或墩状基础
2. 单台设备长度、宽度 ≥ 2896mm，应增加适当支撑
3. 设备基础必须保证上表面水平，公差 < ± 5mm
4. 设备进风面距阻挡物距离请联系 ROSEMEX 销售工程师
5. C 尺寸是便于母管使用的一般要求，如台数增加或现场需调整方案请咨询我公司

NOTES

1. Cooling tower foundation can be concrete planks or piers
2. For single module tower with length & width equal to or larger than 2896 mm, additional supports should be added
3. The surface of the foundation has to be level with a tolerance < ± 5 mm
4. Please contact ROSEMEX Sales Engineer for the distance between the air inlet surface of the equipment and the blockage
5. Dimension C is to allow for major pipe installation. Consult the factory if there is any need for multiple units



ROSEMEX亚太区总部

地址：上海市国家会展中心A座308室

邮编：201702

电话：+86-21-56389410

传真：+86-21-56382762

服务热线：400-861-8556

ROSEMEX Asia Pacific Headquarters

Address: Block A, Shanghai National Convention
and Exhibition Center, Room 308

Zip code: 201702

Telephone: + 86-21-56389410

Fax: + 86-21-56382762

Service hotline: 400-861-8556

ROSEMEX亚太区生产基地

地址：无锡市金城东路625号

邮编：214028

电话：+86-510-88588089

传真：+86-510-88588761

网址：<http://rosemexasia.com>

ROSEMEX Asia Pacific Production Base

Address: No.625 Jincheng East Road, Wuxi City

Zip code: 214028

Telephone: + 86-510-88588089

Fax: + 86-510-88588761

Website: <http://rosemexasia.com>

由于技术不断发展的原因，所有产品和设计以及材料均可能发生变动，恕不另行通知

Due to continuous technological development, all products and designs and materials are subject to change without notice