

CAROSS®

The world's leading supplier of key power and precision cooling system.

全球领先的机房关键电源及精密冷却系统供应商
百年传承 不断创新 a century tradition

1902年7月17日世界第一台空调在美国卡里尔和卡洛斯的工厂诞生。之后20年一直为印刷业的厂设备服务。经过100多年的发展，卡洛品牌享誉全球。卡洛斯不为人知，但卡洛斯为机械制造业的技术广泛应用于全世界。美国、德国、意大利等一批行业著名公司，21世纪卡洛斯公司向全世界。更好的为人类的节能环保事业。目前150多个国家和地区均有卡洛斯的产品的用户。服务网络也趋于完善。精益求精！节能是卡洛斯的使命，创新是卡洛斯的灵魂。卡洛斯一直有停止过创新的脚步！每个地域的环境不同，每个用户的需求不同。卡洛斯能迅速设计出最合理的方案。制造最符合用户的产品。更完美的服务于用户。卡洛斯在中国，很快被各行各业用户认可。业绩迅猛发展。成为后来路上的品牌。

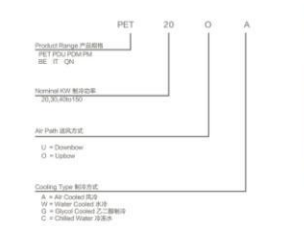
The world's first air conditioning was born On July 17th,1902 by U.S.CARRIER and CARLOS.During the later 20 years, has been only used in the printing and textile equipment. After 100 years, development,CARRIER brand was known worldwide but unknown of CARLOS but CARLOS cooling technology for mechanical equipment became the United States,Germany and Italy many kinds of industry leading companies like Z. Dahmen,CARLOS comes to the world's experts better on energy saving and environmental friendly. Currently more than 150 countries and regions have been used CARLOS products. Service agent is more improvement.Precision and energy saving. Energy saving and innovation are the mission and soul. CARLOS has not stopped the pace of innovation! Each region has different environment,each user has different need,CARLOS could quickly design the reasonable solution, the suitable products,the best services for users.CARLOS in China has been recognized by various industries.Performance rapidly growth will be the famous brand.

服务热线: 400-666-0108
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简介 INTRODUCTION >>>

卡洛斯公司是全球领先的精密空调生产商，自成立以来，卡洛斯一直专注于信息机房环境控制产品的设计，开发和制造为全球通信及计算机网络用户提供全方位的精密冷却解决方案。卡洛斯公司在全球二十多个国家和地区设立分支机构。为了更好的服务亚洲及太平洋地区的用户。2006年进驻中国。随着中国经济的迅猛发展，卡洛斯的市迅速扩大。为了能更好更快的服务用户，卡洛斯在全国各个省会直辖市均设立销售和服务中心。

Caross Corporation is a leading global manufacturer of precision air conditioning, since it inception, Caross has focused on the information room environment control of product design,development and manufacturing for the global communications and computer network to provide users with a full range of precision cooling solutions. Caross corporation has set branches in more than 20 countries and regions . In order to better serve the Asian and Pacific region users. With the rapid development of Chinese economy, in Beijing, Shanghai, Shenzhen, Chengdu all set up national sales and service network.



1. Scroll compressor / 涡旋压缩机
2. Humidifier / 加湿器
3. Fluid tank / 储液罐
4. Dry filter / 干燥过滤器
5. Sight glass / 视液镜
6. Expansion valve / 膨胀阀
7. Heater / 电加热
8. Evaporator / 蒸发器
9. Draught fan / 风机
10. Main control board / 电脑主板
11. Temperature and humidity sensor / 温湿度传感器

CAROSS®
世界因我而精彩

特点 FEATURES >>>

- 灵活 Flexible**
- Aerospace fan speed
 - air supply varied (up, down and diffuse)
 - Modular
 - Multi-type module
 - Options and Accessories
- 高效 EFFICIENT >>>**

超大触屏中英文显示控制界面联控多达160台空调机组，多种联控模式。可根据机房现场情况进行选择，以实现节能和降低制冷系统的全寿命成本。

Large touch screen display controller in Chinese/English scene and joint control as many as 160 air conditioning units.

Unit, multi-joint control mode according to the room nowField of selection, in order to achieve energy efficiency and reduce low life-cycle cost of the refrigeration system.

谷轮 (Copeland) 涡旋式压缩机，高能效比

- EC风机，比普通风机节能30% (option)
- "V"型蒸发器，在有限的空间内增大换热面积
- Caross 中英文智能控制面板，LCD 超大手触操作界面，更简洁，更方便，更容易维护和设置

Copeland (Copeland) scroll compressor, high energy efficiency

- EC fan, fan energy than the average 30% (option)
- "V"-type evaporator, in a limited space, increasing the heat transfer area
- Caross intelligent control panel in English, LCD large hand-touch operation interface, more simple, more convenient and easier to maintain and set



适用环境 ENVIRONMENT >>>

- 程控交换机房
- IDC 数据中心
- 培训中心
- 工业控制中心
- PBX room
- IDC data center
- Training Center
- Industrial Control Centre
- 网管中心
- 动力机房
- 手术室
- 精密加工中心
- Network Management Center
- Power room laboratory
- Operating room clean rooms
- Precision machining center
- 卫星控制中心
- 实验室
- 洁净室
- UPS机房和电池室
- Satellite Control Center
- Laboratory
- Clean room
- UPS room and battery room

高品质部件 HIGH QUALITY PARTS >>>

Caross 智能控制器

强大的功能，多种群控工作模式，中英文切换，简单操作
Powerful, multi-group control mode, easily control in both English and Chinese



高效可调速EC风机

高效节能，可以调整转速。
Efficient EC fans, speed control easily



高效涡旋压缩机

Copeland柔性涡旋式压缩机，高效可靠
scroll compressor flexible, efficient and reliable



远红外加湿器

Far infrared humidifier

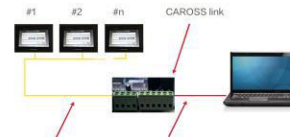
易控 高效 可靠 易维护



多种送风方式 WAYS OF AIR SUPPLY >>>



楼宇管理及控制器/ Monitoring



CAROSS Language BMS Language BMS PC + Supervisor Software



下送风 Down flow



上送风背回风 Up flow back



上送风带风帽 Up flow with hood



上送风风道送风 Up flow through duct



易维护 EASY TO MAINTAIN >>>

- 易拆卸
- 少消耗
- 最优化的结构
- 最新工程师维护窗口
- easy to disassemble
- less consumption
- Optimization of the structure
- The latest engineer maintenance window



- 维护窗口（设备运行中开放）
- 包括膨胀阀、电磁阀、视镜和干燥过滤器
- 便于平常维护及判断故障
- Maintenance windows (opening operation of the device)
- Including the expansion valve, solenoid valve, sight glass and dry the filter tank
- Easy to determine the normal maintenance and fault

高可靠性 HIGH RELIABILITY >>>

经过严格认证的高品质部件

- 先进的控制器自动平衡部件的运行和磨损
- 具有专家自诊断和故障预警功能的控制系统
- 碳钢铆钉铆接的骨架机身，既稳定坚固又容易拆分
- 内外双层面板，内置防火隔热材料
- 压缩机高低压、排气高温、风量丢失、风机过载等多重保护措施

After a rigorous certification of high-quality components

- Advanced controller auto-run equilibrium and wear parts
- with expert self-diagnosis and fault warning function of the control system
- steel rivets riveted the skeleton body, stable and robust and easy to split
- inside and outside the double panel, built-in fire insulation materials
- high and low pressure compressor, exhaust temperature, air flow is lost, the multiple fan overload protection



控制的精密性 THE PRECISION OF CONTROL >>>

CAROSS 精密空调微处理控制器采用超大液晶显示屏（LCD），一般情况下显示室内当前的温度、湿度、温湿度设定值、设备输出百分比图（风机、压缩机、制冷、制热、除湿、加湿等）及报警情况。用户可以从显示屏的主菜单进入浏览或设置各设定点、事件记录、图形数据、传感器数据、报警设置等信息。先进的微处理器使CAROSS 系统能准确地处理机房的温度和湿度。其特点如下：

- 用户界面操作简洁, 多级密码保护, 能有效防止非法操作。
- 控制器具有掉电自恢复和高、低电压保护功能。
- 通过菜单操作可以准确了解各主要部件运行时间。
- 专家级故障诊断系统, 可以自动显示当前故障内容, 方便维护人员进行设备维护。
- 可存储10000条历史记录事件, 记录MESSAGE (消息)、WARNING (警告)、ALARM (报警) 三种事件。
- 控制器显示温度湿度曲线, 每5分钟记录一次温度湿度。



CAROSS precision air conditioning microprocessor controller use Large LCD display, generally display the current indoor temperature, humidity, temperature and humidity settings, the device output percentage figure (fans, compressors, refrigeration, heating, dehumidification, humidification, etc.) and alarms. Users can display the main menu from view or to set the set point, event logging, graphical data, sensor data, alarm settings and other information. Advanced microprocessor allows the system to accurately process CAROSS room temperature and humidity. Its characteristics are as follows

- operation simple user interface, multi-level password protection, can effectively prevent the illegal operation.
- self-recovery and power-down controller with high and low voltage protection.
- through menu operation can accurately understand the major components of running time.
- expert fault diagnosis system that can automatically display the current fault content, ease of maintenance personnel equipment maintenance.
- can store 10000 records of historical events, records MESSAGE (news), WARNING (warning), ALARM (alarm) three events.
- Controller displays temperature and humidity curves recorded values once every 5 minutes



- 配置通讯接口
- 温度设定: 温度设定值, 温度设定范围为 5°C ~ 40°C。
- 湿度设定: 湿度设定值, 湿度设定范围为 1% RH ~ 80% RH。
- 湿度控制: 湿度控制方式选择, 可设置为 Pred (湿度预测控制), Comp (湿度补偿控制), Rel (湿度相对控制) 三种方式。
- 送风温度限制: 可设置为 Enabl (允许) 和 Disabl (不允许)。
- 送风温度: 送风温度设定值, 设定范围为 5°C ~ 25°C。
- 处理器具有声、光信息报警功能, 标准报警信息如下: 高温报警、低温报警、高温报警、低温报警、系统高压报警、系统低压报警、滤网堵塞报警、风量丢失报警和其他用户自定义报警。
- communication interface configuration
- Temperature settings: temperature settings, temperature settings range from 5°C~40°C.
- Humidity Setting: humidity settings Humidity setting range is 1% RH ~ 80% RH.
- Humidity Control: Humidity control option can be set to Pred (humidity predictive control), Comp (compensation for humidity control), Rel (relative humidity control) in three ways.
- enable air temperature limit: can be set to Enabl (allowed) and Disabl (not allowed).
- limit air temperature: air temperature limit setting, set the range of 5°C~ 25°C.
- processor with sound, light and alarm information, the standard warning message is as follows: high-temperature alarm, low temperature alarm, humidity alarm, humidity alarm, alarm system, high pressure, low pressure alarm system, filter blocking alarm, air flow loss alarms and other user-defined alarm.

采用高效全视速冷凝器, 其机框框架由不锈钢连接件与船用级耐腐蚀铝材组成; 一体式风机组合采用独特减震设计; 维护要求极低的风扇电机适用于各种气候条件; 单/双制冷回路设计; (室外冷凝器) 适用于各种恶劣气候条件; 可选择水平/垂直两种方式进行(冷凝器)安装。

full-speed high-efficiency condenser. The unit framework consists of stainless steel fittings and marine grade corrosion-resistant aluminum components; one fan a unique combination of shock absorption design; very low maintenance requirements fan motor for a variety of climatic conditions; single / dual cooling circuit design; (outdoor condensing device) for a variety of adverse weather conditions; selectable horizontal/vertical in two ways (condenser) installed.

PET系列 (PET series)

PET	6	8	10	12	16	18	20
FC风机, 风冷/水冷/乙二醇/溶液压缩机 R22/R407C/R410A A-air W-water G-Glycol FO-FAN Rated Unit Performance R-22 and R-407C R-410A							
总冷量 Cooling capacity	kW	5.5	7.6	10.3	12.5	15.4	21.6
显冷量 Sensible capacity	kW	5.3	7.5	9.8	12.3	14.9	20.3
显热比 SHR		0.96	0.97	0.95	0.92	0.97	0.94
能效比 EER		3.8	3.7	3.85	3.9	3.86	3.75
噪音 Sound pressure level	dB(A)	49	49	48	50	53	53
压缩机 Scroll compressor	n	1	1	1	1	1	1
输入功率 Input power	kW	1.5	1.9	2.4	3.2	4.1	4.7
风机数量 Fan Number	n	1	1	1	1	1	1
风量 Air capacity	M ³ /h	2000	2400	2800	3500	4600	5400
输入功率 Input power	kW	0.25	0.28	0.38	0.39	0.38	0.38
机外余压 Ext. static Pressure	Pa	20-300	20-300	20-300	20-300	20-300	20-300
过滤器 Filter	n	1	1	1	1	1	1
等级 Cen-EN779	G4	G4	G4	G4	G4	G4	G4
电加热 PTC Heaters	n	1	1	2	2	3	3
输入功率 Input power	kW	1.5	1.5	3	3	4.5	4.5
加湿 Humidifier	电极加湿 (Immersed electrode steam generator humidifier)						
输入功率 Input power	kW	3	3	3	3	3	3
加湿量 Capacity	kg/h	2.2	2.5	3.5	4.2	5	5
水冷冷凝器 water condenser							
换热方式 Heat Exchange		板式换热 (Plate heat exchanger)					
水压降 Water Pressure drop	KPa	48	47.5	47	48	47	48.5
水流量 Water flow	L/S	0.45	0.55	0.65	0.75	0.9	1.35
尺寸和重量 Unit dimensions and weight							
长度 length	mm	550	550	650	650	800	800
宽度 width	mm	450	450	600	600	700	700
高度 height	mm	1680	1680	1680	1680	1980	1980
净重 Net weight	kg	195	200	210	215	240	260
室外机 Outdoor Condenser							
数量 Quantity	n	1	1	1	1	1	1
型号 Discharge line	mm	HCA25	HCA40	HCA50	HCA60	HCA70	HCA80

PDU系列 (PDU series)

PDU	25	30	35	40	45	50	55	60
FC风机, 风冷/水冷/乙二醇/溶液压缩机 R22/R407C/R410A A-air W-water G-Glycol FO-FAN Rated Unit Performance R-22 and R-407C R-410A								
总冷量 Cooling capacity	kW	26.9	31.7	36.6	42	45.5	50	56
显冷量 Sensible capacity	kW	24.2	29.5	33.9	39.5	42.7	48	53.3
显热比 SHR		0.93	0.92	0.93	0.94	0.96	0.94	0.96
能效比 EER		3.85	3.9	3.92	3.95	3.8	3.8	3.95
风量 Air capacity	M ³ /h	6580	8200	9190	11000	12250	13500	13780
压缩机 Scroll compressor	n	1	1	1	2	2	2	2
输入功率 Input power	kW	6.8	8.5	9.8	11.6	12.2	13.4	14.8
电加热 PTC Heaters	n	4	5	6	7	8	10	10
输入功率 Input power	kW	6	7.5	9	10.5	12	15	15
加湿 Humidifier	电极加湿 (Immersed electrode steam generator humidifier)							
输入功率 Input power	kW	7	7	7.5	7.5	8	8	8
加湿量 Capacity	kg/h	9	9	9	9	9	9	9
水冷冷凝器 water condenser								
换热方式 Heat Exchange		板式换热 (Plate heat exchanger)						
水压降 Water Pressure drop	KPa	49	48	48.5	50	49	48.5	49.2
水流量 Water flow	L/S	1.85	2.15	2.3	2.55	2.75	3.15	3.8
尺寸和重量 Unit dimensions and weight								
长度 length	mm	1000	1000	1000	1500	1500	1750	1750
宽度 width	mm	800	800	800	800	800	900	900
高度 height	mm	1980	1980	1980	1980	1980	1980	1980
净重 Net weight	kg	450	480	520	550	580	617	630
室外机 Outdoor Condenser								
数量 Quantity	n	1	1	1	2	2	2	2
尺寸 Discharge line	mm	HCA120	HCA140	HCA170	HCA90	HCA110	HCA130	HCA140

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PDM系列 (PDM series)

PDM	70	90	90	100	130	150	180	200
FC风机风冷/水冷/乙二醇/液冷压缩机 R22/R407C/R410A A-air W-water G-Glycol FC FAN Rated Unit Performance R-22 and R-407C R-410A								
总冷量 Cooling capacity	kW	70.8	82.5	92.9	99.3	132.5	152	200.2
显冷量 Sensible capacity	kW	68	78.2	86.4	93.9	126.1	145	192
能效比 SHR		0.96	0.92	0.93	0.94	0.97	0.95	0.97
能效比 EER		3.91	3.94	3.88	3.89	3.95	3.97	3.85
风量 Air flow	M³/h	16000	20100	23040	24760	29000	29000	32000
EC风机风冷/水冷/乙二醇/液冷压缩机 R22/R407C/R410A A-air W-water G-Glycol FC FAN Rated Unit Performance R-22 and R-407C R-410A								
总冷量 Cooling capacity	kW	70.8	82.5	92.9	99.3	132.5	152	200.2
显冷量 Sensible capacity	kW	69.2	79.2	88.4	96.6	129.1	148	195
风量 Air flow	M³/h	16700	21920	25600	26900	29000	31000	34000
过滤网 Filter	n	2	2	2	2	2	4	4
过频降等级 Cen-EN779	G4	G4	G4	G4	G4	G4	G4	G4
涡旋压缩机 Scroll compressor	n	2	2	2	2	2	3	3
功率 Input power	kW	19.8	27.3	28.1	29.2	29.2	35.4	41.3
电加热 PTC Heaters	n	13	15	17	19	19	30	36
输入功率 Input power	kW	19.5	22.5	25.5	26.5	26.5	45	54
加湿 Humidifier	电极加湿 (Immersed electrode steam generator humidifier)							
输入功率 Input power	kW	8	8	8	12	12	12	12
加湿量 Capacity	kg/h	15	15	15	30	20	20	20
水冷冷凝器 water condenser								
换热方式 Heat Exchange		板式换热(Plate heat exchanger)						
水压强 Water Pressure drop	KPa	53.5	54	55	56	57	57.3	57.5
水流量 Water flow	L/S	4.22	4.91	5.63	6.35	6.35	7.6	8.82
尺寸重量 Unit dimensions and weight								
长度 length	mm	1950	1950	2500	2500	3000	3000	3500
宽度 width	mm	900	900	900	900	900	900	900
高度 height	mm	1980	1980	1980	1980	1980	1980	1980
净重 Net weight	kg	975	1050	1130	1150	1150	1420	1550
室外机 Outdoor Condenser								
数量 Quantity	n	2	2	2	2	2	3	4
尺寸 Discharge Line	mm	HCA170	HCA200	HCA210	HCA230	HCA230	HCA230	HCA230

PM双冷源系列 (PM series Twin-cool units)

PM	30	40	60	05	70	80	90
FC风机风冷/水冷/乙二醇/液冷压缩机 R22/R407C/R410A A-air W-water G-Glycol FC FAN Rated Unit Performance R-22 and R-407C R-410A							
总冷量 Cooling capacity	kW	31.5	42.2	60.6	65.6	74.2	83.9
显冷量 Sensible capacity	kW	28.4	39.9	56.5	60.9	70.5	78.4
风量 Air flow	M³/h	8290	10590	15200	16700	19150	20100
EC风机风冷/水冷/乙二醇/液冷压缩机 R22/R407C/R410A A-air W-water G-Glycol FC FAN Rated Unit Performance R-22 and R-407C R-410A							
总冷量 Cooling capacity	kW	31.5	42.2	60.6	65.6	74.2	83.9
显冷量 Sensible capacity	kW	29.5	40.9	58.8	62.7	70.5	80.4
风量 Air flow	M³/h	8500	13000	17000	17500	19150	20100
风机数量 fan no	n	1	1	2	2	2	3
过滤网 Filter	n	3	4	5	5	5	5
等级 Cen-EN779	G4	G4	G4	G4	G4	G4	G4
涡旋压缩机 Scroll compressor	n	2	2	2	2	4	4
输入功率 Input power	kW	3.8	5	6.7	7.7	4.5	5.8
电加热 PTC Heaters	n	5	7	10	11	12	14
输入功率 Input power	kW	7.5	10.5	15	16.5	18	21
加湿 Humidifier	电极加湿 (Immersed electrode steam generator humidifier)						
输入功率 Input power	kW	6.29	6.29	6.29	6.29	6.29	6.29
加湿量 Capacity	kg/h	8	8	8	8	8	8
尺寸重量 Unit dimensions and weight							
长度 length	mm	1310	1720	2170	2170	2582	2582
宽度 width	mm	865	865	865	865	865	865
高度 height	mm	1900	1900	1900	1900	1900	1900
净重 Net weight	kg	430	575	714	700	810	890
数量 Quantity	n	1	1	1	2	2	2
尺寸 Discharge	mm	HCA140	HCA200	HCA280	HCA170	HCA170	HCA200

备注:
1.测试条件350V/50Hz ~3P,室内温度22℃,相对湿度50%RH,
2.机外余压可查。
3.如需数据请在表中列出,请与卡洛斯国际能源中国有限公司联系。

BE冷冻水系列 (BE Chilled water air-conditioning)

BE	20	25	35	45	60	70	90	100	110	140	170
FC风机风冷/水冷 FC fan cooled water											
总冷量 Cooling capacity	kW	19.1	25	34	44.2	59.2	69.5	88.1	100.2	110	138
显冷量 Sensible capacity	kW	17.5	22.5	32.2	41.9	55.2	65.9	82	93	102.5	130.2
风量 Air flow	M³/h	7800	8100	8360	8460	13000	16760	21720	22530	25300	28000
EC风机风冷/水冷 EC fan cooled water											
总冷量 Cooling capacity	kW	19.1	25	34	44.2	59.2	69.5	88.1	100.2	110	138
显冷量 Sensible capacity	kW	18.5	24.5	33	42.5	57.2	67	82	95	105.5	133.2
风量 Air flow	M³/h	7900	8200	8490	8560	13100	16890	22840	24780	25900	27000
风机数量 fan no	n	1	1	1	2	2	2	2	3	3	3
水流量 Chilled water flow	m³	1.85	2.15	2.55	2.75	3.5	4.22	5.63	6.35	6.74	7.6
噪音 Sound pressure level	dB(A)	42	42	42	45	45	48	48	48	52	52
过滤网 Filter	n	2	2	3	3	4	5	5	5	5	5
等级 Cen-EN779	G4	G4	G4	G4	G4	G4	G4	G4	G4	G4	G4
电加热 PTC Heaters	n	3	5	6	8	11	13	13	19	21	24
输入功率 Input power	kW	4.5	7.5	9	12	16.5	19.5	19.5	28.5	31.5	40.5
加湿 Humidifier	电极加湿 (Immersed electrode steam generator humidifier)										
输入功率 Input power	kW	5.29	6.29	12	12	12	12	12	12	12	12
加湿量 Capacity	kg/h	6	8	15	15	15	15	15	15	15	15
尺寸重量 Unit dimensions and weight											
长度 length	mm	1010	1010	1310	1310	1720	2170	2170	2170	2580	2580
宽度 width	mm	600	750	865	865	865	865	865	865	865	865
高度 height	mm	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960
净重 Net weight	kg	280	330	430	478	548	615	698	702	720	740

备注:
1.测试条件350V/50Hz ~3P,室内温度22℃,相对湿度50%RH,
2.机外余压可查。
3.如需数据请在表中列出,请与卡洛斯国际能源中国有限公司联系。

IT一体机系列(Integrated air-conditioning)

IT	8	10	12	20	25	32	38
FC风机风冷/水冷/乙二醇/液冷压缩机 R22/R407C/R410A A-air W-water G-Glycol FC FAN Rated Unit Performance R-22 and R-407C R-410A							
总冷量 Cooling capacity	kW	8.9	10.5	13	19.1	26.5	32.3
显冷量 Sensible capacity	kW	7.8	8.6	11.2	17.2	23.8	28.4
能效比 SHR		0.95	0.92	0.94	0.95	0.94	0.95
能效比 EER		3.91	3.96	3.87	3.9	3.95	3.93
风量 Air flow	M³/h	2800	2890	3100	5800	7800	8300
EC风机风冷/水冷/乙二醇/液冷压缩机 R22/R407C/R410A A-air W-water G-Glycol FC FAN Rated Unit Performance R-22 and R-407C R-410A							
总冷量 Cooling capacity	kW	8.9	10.5	13	19.1	26.5	32.3
显冷量 Sensible capacity	kW	8.2	9.1	12.2	18.3	25.6	30.4
风量 Air flow	M³/h	3000	3000	3300	5900	8300	8900
过滤网 Filter	n	1	1	1	1	2	2
等级 Cen-EN779	G4	G4	G4	G4	G4	G4	G4
涡旋压缩机 Scroll compressor	n	1	1	1	1	1	1
输入功率 Input power	kW	2.5	2.7	3.2	4.6	6.4	7.8
风机数量 Fan No	n	1	1	1	1	1	1
电加热 PTC Heaters	n	1	2	2	3	4	5
输入功率 Input power	kW	1.5	3	3	4.5	6	7.5
加湿 Humidifier	电极加湿 (Immersed electrode steam generator humidifier)						
输入功率 Input power	kW	3.6	3.6	3.6	3.6	6	6
加湿量 Capacity	kg/h	5	5	5	5	8	8
尺寸重量 Unit dimensions and weight							
长度 length	mm	800	800	800	1580	1580	1580
宽度 width	mm	800	800	800	800	800	800
高度 height	mm	1980	1980	1980	1980	1980	1980
净重 Net weight	kg	190	240	270	295	320	380

备注:
1.测试条件350V/50Hz ~3P,室内温度22℃,相对湿度50%RH,
2.机外余压可查。
3.如需数据请在表中列出,请与卡洛斯国际能源中国有限公司联系。

QN吸顶式 (QN Ceiling air conditioner)

QN	10	13	16	20	30	40	
FCR机组冷水/冷冻/乙二醇 涡旋压缩机 R22/R407C/R410A A-air W-water G-Glycol FC FAN Rated Unit Performance R-22 and R-407C R-410A							
总冷量 Cooling capacity	kW	10.6	13.5	16.5	20.6	32	42.3
显冷量 Sensible capacity	kW	9.4	11.2	13.8	18.2	28.5	38.4
风量 Air flow	M³/h	3000	3800	4800	5800	8300	9900
ECR机组冷水/冷冻/乙二醇 涡旋压缩机 R22/R407C/R410A A-air W-water G-Glycol FC FAN Rated Unit Performance R-22 and R-407C R-410A							
总冷量 Cooling capacity	kW	10.6	13.5	16.5	20.6	32	42.3
显冷量 Sensible capacity	kW	9.4	11.2	13.8	18.2	28.5	38.4
风量 Air flow	M³/h	3500	3800	5200	6500	8900	10800
过滤器 Filter	件	1	1	1	1	1	2
等级 Cen-EN779	G4	G4	G4	G4	G4	G4	G4
风机数量 Fan No	件	1	1	1	1	1	2
电加热 PTC Heaters	件	2	2	3	4	6	7
输入功率 Input power	kW	3	3	4.5	6	9	10.6
加湿 Humidifier	电加热型 (Immersed electrode steam generator humidifier)						
输入功率 Input power	kW	3.5	3.5	3.5	4	6	6
加湿量 Capacity	kg/h	5	5	5	5	9	9
长 length	mm	1000	1000	1000	1200	1500	1500
宽 width	mm	800	800	800	1000	1200	1500
高 height	mm	800	800	800	800	800	800
净重 Net weight	kg	140	150	160	170	210	240
室外机 Outdoor condenser (input power)	kW	0.29	0.29	0.35	0.35	1.65	1.7
数量 Quantity	件	1	1	1	1	1	2
净重 Net weight	kg	75	87	103	125	153	175
规格 Discharge line	mm	HCA50	HCA60	HCA70	HCA80	HCA140	HCA90

备注:
1.测试条件380V/50Hz-3P,室内温度22℃,相对湿度50%RH,
2.机外余压可达,
3.如需详细资料在表中列出,请与卡洛国际能源(中国)有限公司联系。

HCA冷凝器 (condenser)

	制冷量 Cooling Capacity	外形尺寸 Discharge 长*宽*高 (mm) L*W*H	风机数 Fan No	噪音 Sound level (dB (A))	重量 Weight (kg)	连接口径 Connection (IN/OUT)
HCA25	5.5kw	1057*750*400	1-φ450	40	36	φ15.8/12.7
HCA40	7.8kw	1905*750*400	1-φ500	42	40	φ19/15.88
HCA50	10.3kw	1005*950*400	1-φ500	43	45	φ22/15.88
HCA60	12.5kw	1055*950*400	1-φ630	45	47	φ22/15.88
HCA70	15.4kw	1105*1020*400	1-φ630	45	50	φ25/19
HCA80	17.1kw	1225*1050*400	1-φ630	46	52	φ28/22
HCA90	19.4kw	1355*1050*400	1-φ630	46	55	φ28/22
HCA110	22.5kw	1550*1050*400	1-φ630	46	65	φ28/22
HCA120	26kw	1905*950*400	2-φ630	46	68	φ28/22
HCA130	28kw	1905*950*400	2-φ630	46	72	φ28/22
HCA140	30kw	1980*1020*400	2-φ630	46	75	φ28/22
HCA170	36kw	2380*1050*400	2-φ630	50	80	φ28/22
HCA200	42kw	2750*1020*400	3-φ630	50	90	φ28/22
HCA210	45kw	2870*1020*400	3-φ630	51	120	φ28/22
HCA231	50kw	3130*1020*400	3-φ630	51	140	φ32/28
HCA250	55kw	3130*1150*400	3-φ630	52	155	φ32/28
HCA260	60kw	3450*1150*400	4-φ630	52	175	φ32/28

备注: CAROSS HCA冷凝器外机的温度运行范围为-20℃~45℃,最佳温度运行环境请向卡洛国际能源(中国)有限公司