

麦融高科热交换空调一体机，工业级控制器，更简便更稳定更节能

产品名称	麦融高科热交换空调一体机，工业级控制器，更简便更稳定更节能
公司名称	长沙麦融高科股份有限公司
价格	面议
规格参数	品牌:麦融高科 型号:SCLS-7500 机械制冷量(w):4015
公司地址	湖南省长沙市岳麓区岳麓西大道588号芯城科技园六栋七层
联系电话	0731-89793038 13787040309

产品详情

温馨提示：

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热交换一体化机房专用空调 integrated unit combined heat exchanger and air conditioning

热交换一体化机房专用空调是专为数据中心及通信基站节能而设计的节能产品，机组集合了制冷和热交换功能为一体。机组可根据工作环境自动选择最佳的模式运行，并具备极高的可靠性和良好的性能。机组结构上分为分体型和整体型两种，应用于绿色数据中心、通信基站和各类机房。

the integrated unit combined heat exchanger and air conditioning is designed for data centers and telecommunications base stations to reduce the energy consumption of air conditioners, which realizes air conditioning and heat exchange within this unit. it switches running modes automatically according to outdoor and indoor air temperatures and humidities with higher reliability and stable performance. this unit can be integrated in one or split into two parts for data centers, telecommunications base stations, and machine rooms.

工作原理 work principle

空调制冷模式：当室外温度较高或室内负荷较大，热交换无法满足室内降温需求时，机组自动切换至空调制冷模式运行。机组通过压缩机、冷凝器、热力膨胀阀、蒸发器形成完全闭合的制冷系统。

热交换模式：当室内、外温度满足使用需求时，机组关闭空调制冷循环，自动切换进入热管换热模式运行，此时机组的综合能效比达8.0以上。

air conditioning mode: when outdoor air temperature is high or indoor cooling load is large, natural cold source cannot satisfy cooling demand. under these conditions, the unit runs under the air conditioning mode.

heat exchange mode: when outdoor air temperature and humidity meet the cooling demand, this unit switches to heat exchange mode automatically. under this condition, the mean energy efficiency ratio (eer) is higher than 8.0.

产品特性 product feature

1、大风量、小焓差、高显热比设计；

2、采用全封闭柔性涡旋式压缩机，具有噪声低、效率高，运行稳定等特点；

3、采用大面积逆流式亲水铝箔换热芯体，以获取最大换热平均温差，从而提高换热效率；

4、采用加大的蒸发器，9.52mm铜管串亲水膜铝箔片，进一步提高机组eer值；

5、采用工业级控制器，稳定性更强，操作方便简洁；支持标准通信协议实现远程管理；

1 it has larger air volumetric flow rate, lower enthalpy difference, and higher sensible heat ratio.

2 it runs stably and high efficiently with low noise for the application of closed flexible scroll compressor.

3 it has high heat exchange efficiency for the use of countercurrent hydrophilic film aluminum foil heat exchange core.

4 it has high eer for the use of larger evaporator that is made of 9.52 mm copper pipes with hydrophilic film aluminum foil.

5 it is easy to control for the use of industrial controller and can be controlled remotely.

技术参数表 technical parameter

机组型号	type	scls-5500	scls-7500	scls-12500
机械制冷量(w)	cooling capacity (w)	5500	7500	12500

自然显冷量(w)	sensible heat (w)	3020	4015	6020
额定功率 (空调/热交换) (w)	power (air conditioning / heat exchange) (w)	2000/380	2750/690	4850/890
电源	power supply	220v-50hz/380v-50hz		
内循环风量(m ³ /h)	inside circulating air flow rate (m ³ /h)	2600	3000	5000
外循环风量 (m ³ /h)	outside circulating air flow rate (m ³ /h)	2000	3100	5500
宽 × 深 × 高 (mm)	w × d × h (mm)	550 × 550 × 1680	650 × 650 × 1850	800 × 800 × 1
重量 (kg)	weight (kg)	98	149	198
使用环境温度 ()	temperature range ()	-40—55		

