



AIR-COOLED ROOFTOP PACKAGED AIR CONDITIONERS

空气冷却屋顶组合式冷气机

Series 系列

COOLING ONLY 冷却功能 PRC-8,10,12,15,20,24,32



Cooling Capacity 冷却电容 kW (50Hz)						
PRC-8	PRC-10	PRC-12	PRC-15	PRC-20	PRC-24	PRC-32
24.0	32.0	35.0	48.0	64.0	70.0	100.0

Highly Efficient, Powerful Cooling.
效率高以及功能强劲的冷却系统。

LINE UP 系列

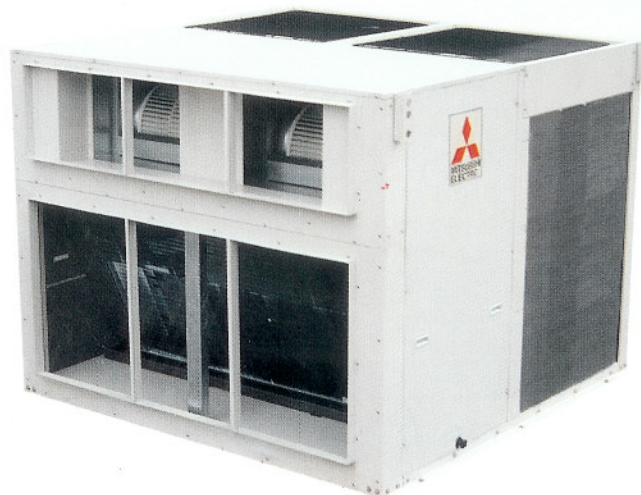
PRC-8,10,12



PRC-15,20,24



PRC-32



FEATURES 功能

High sensible cooling capacity.
The sensible cooling capacity has been significantly improved through balanced optimized heat exchanger design.

The EER(Energy Efficiency Ratio) on these models is greatly improved by revised design specifications and by being manufactured stringently to Mitsubishi Electric high quality standards.

Direct-drive, forward curved, centrifugal-type fans are used to deliver an accurate airflow at low noise level. The air flow rate can be freely controlled by selecting ∇ or $\triangle$ connection for the fan motor.

Because of the single unit configuration, all refrigeration work can be omitted. The unit operation can commence immediately after connecting to the power supply, drain piping, ducting and control system.

The PRC series feature a compact HL design and has been succeeded in reducing more floor space.

All series is flexible mechanical control configuration. In addition Global Remote Controller is prepared as special order. The Global Remote Controller gives the programmable weekly timer, compressor anti-short cycle timer(3min.), cool/fan etc. This controller utilises a microprocessor and includes liquid crystal display with touch pad for adjustment for control program.

经过改良的平衡优化热交换器设计大大地提高了智能冷却电容。

这类型号的 EER（能量效率比）在使用经过改良的设计标准以及根据 Mitsubishi Electric 严谨的品质标准生产后都获得很大的进步。

使用直接驱动、前弯和离心式风机以低噪音传送气流。用户可以使用风机驱动器的人或△接法控制气流的流动率。

其单一组件设计免去了所有的冷冻安装工作。同时,在完成接驳电源、排水管、导管和控制系统后便可以立刻开始使用。

PRC 系列使用了紧密的HL设计，这设计被证实能够大量地减低占地范围。

所有系列都使用灵活的机械控制结构。

除此之外，用户也可以特别订购全能遥控器。

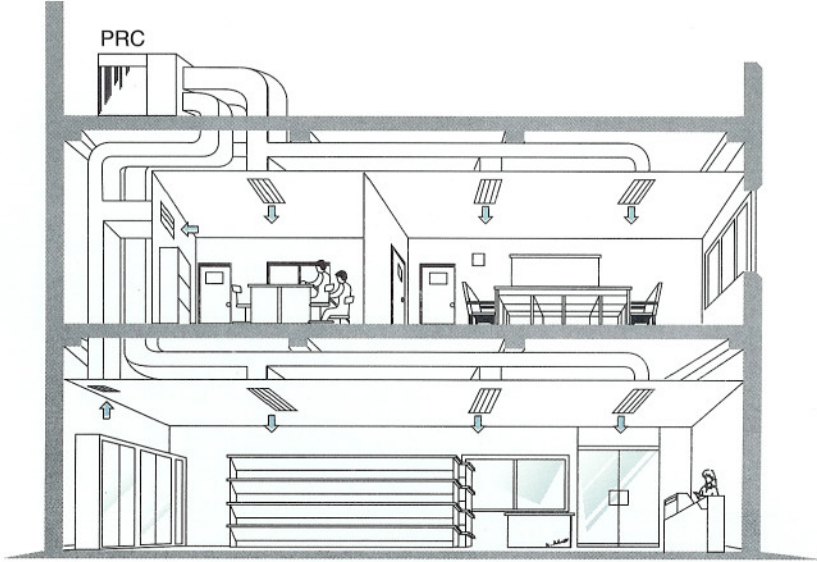
全能遥控器能够显示和控制可编程每周定时计、压缩机抗短路周期定时计（3 分钟）、冷气 / 风机功能等等。

这控制器使用其内置微处理器、液晶显示以及触动键让用户自行调节控制程式。



Global Remote Controller(option)
全能遥控器（附加设备）

TYPICAL INSTALLATION EXAMPLE 典型安装例子



SPECIFICATIONS 规格

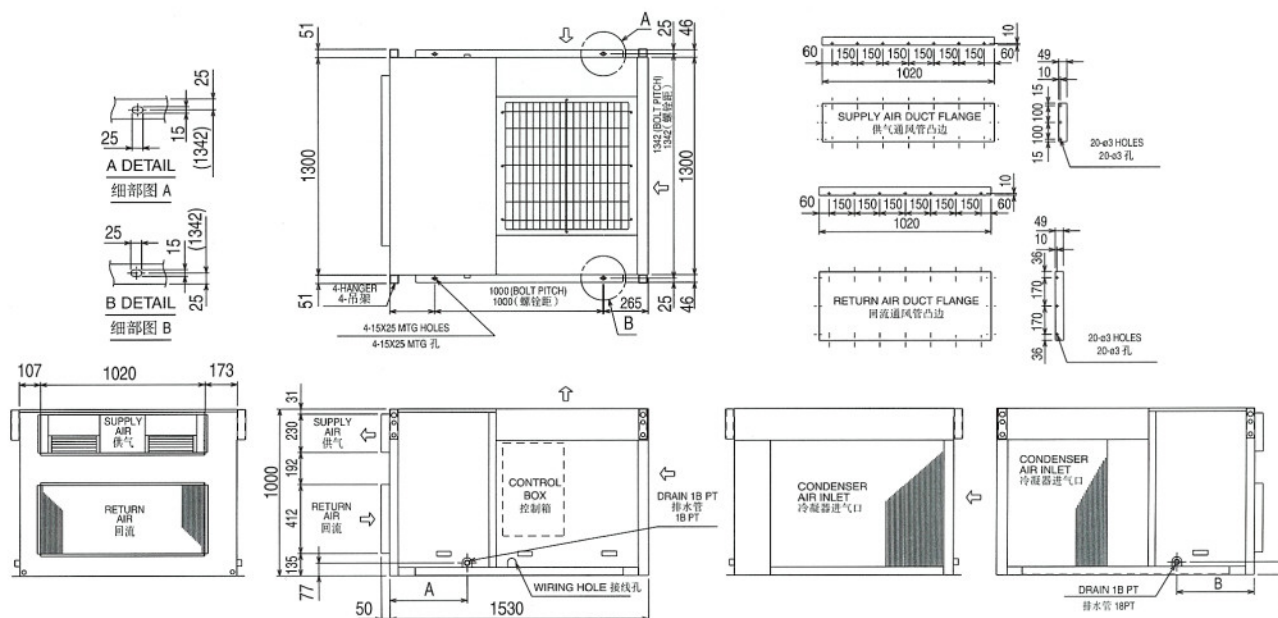
Model name 型号			PRC-8MYA	PRC-10MYA	PRC-12MYA	PRC-15MYA	PRC-20MYA	PRC-24MYA	PRC-32MYA
Service reference 服务编号			PRC-8MYA	PRC-10MYA	PRC-12MYA	PRC-15MYA	PRC-20MYA	PRC-24MYA	PRC-32MYA
Power supply 电源			3PH 4W 380 ~ 415V 50Hz						
Total cooling capacity 总冷却电容量 户外	Outdoor 户外 35° DB	kW	24.0	32.0	35.0	48.0	64.0	70.0	100.0
		Btu/h	81,900	109,200	119,500	163,800	218,400	238,900	341,200
		kcal/h	20,700	27,600	30,100	41,300	55,100	60,200	86,000
	Outdoor 户外 46° DB	kW	21.9	30.8	33.0	43.7	61.5	66.0	94.0
		Btu/h	74,800	105,100	112,600	149,200	209,900	225,200	320,800
		kcal/h	18,900	26,500	28,400	37,600	52,900	56,800	80,900
Sensible cooling capacity 智能冷却电容量 户外	Outdoor 户外 35° DB	kW	19.2	25.6	28.0	38.4	51.2	56.0	80.0
		Btu/h	65,600	87,400	95,600	131,100	174,700	191,100	273,000
		kcal/h	16,600	22,100	24,100	33,100	44,100	48,200	68,800
Capacity step 电容节距	%	0-100				0-50-100			0-66-100
Refrigerant 冷冻剂			R-22						
Refrigerant charge 冷冻剂容量		kg	4.0	5.9	5.7	2x4.5	2x5.9	2x5.7	3x6.3
Refrigerant control 冷冻剂控制			Capillary tube 毛细管						
External finish 外壳修饰			Acrylic resin coating 丙烯酸树脂涂料						
Color 颜色			MUNSELL 5Y8/1						
Dimension 尺寸	Height 高	mm	1,000			1,200			1,650
	Width 宽	mm	1,300			1,990			2,100
	Depth 深	mm	1,530			1,670			2,100
Net weight 净重		kg	360	390	395	655	755	765	1,100
Compressor 压缩机			Hermetic line start 密封型直接起动						
No. x Motor output 数量x驱动器输出		kW	1x5.5	1x7.5	1x8.0	2x5.5	2x7.5	2x8.0	3x8.0
Evaporator 蒸发器			Cross fin coil 交叉散热线圈						
Evaporator fan 蒸发器风机			Centrifugal - direct-drive - 直接驱动						
Evaporator fan motor 蒸发器风机驱动器			Three - phase squirrel cage induction motor(入-△ connection) 三相鼠笼式感应电动机 (入-△ 接法)						
No. x Motor output 数量x驱动器输出		kW	1x0.7	1x1.25	1x1.25	1x1.7	1x2.5	1x2.5	1x4.5
Evaporator fan airflow 蒸发器风机气流	CMM	80	100	100	160	200	200	285	
	CFM	2,826	3,532	3,532	5,651	7,064	7,064	10,066	
	L/S	1,333	1,667	1,667	2,667	3,333	3,333	4,750	
External static pressure 外部静压力	mmAq	10			20			25	
	Pa	100			200			250	
Condenser 冷凝器			Cross fin coil 交叉散热线圈						
Condenser fan 冷凝器风机			Propeller - direct drive 螺旋桨 - 直接驱动						
Condenser fan motor 冷凝器风机驱动器			Three phase cage induction motor 三相感应电动机						
Condenser fan airflow 冷凝器风机气流	CMM	160		180	320		360	480	
	CFM	5,651		6,354	11,302		12,708	16,954	
	L/S	2,667		3,000	5,333		6,000	8,000	
Drain connection 排水管接口		mm	25.4						
Protection devices 保护装置			High pressure switch, Fuse 高压继电器、保险丝 Over current relay (compressor) 过电流继电器 (压缩机) Internal thermostat (compressor, Outdoor & Indoor fan motor) 内置温度继电器 (压缩机、户外和室内风机驱动器)						

- Note 1. Cooling capacity is based on the following conditions.
Indoor; 27°CDB, 19°CWB, Outdoor; 35°CDB, 46°CWB
2. Refrigerant charge volumes are factory charged.
3. Capacity is gross capacity which do not include a deduction for evaporator fan motor heat.
4. Specification subject to change without notice.

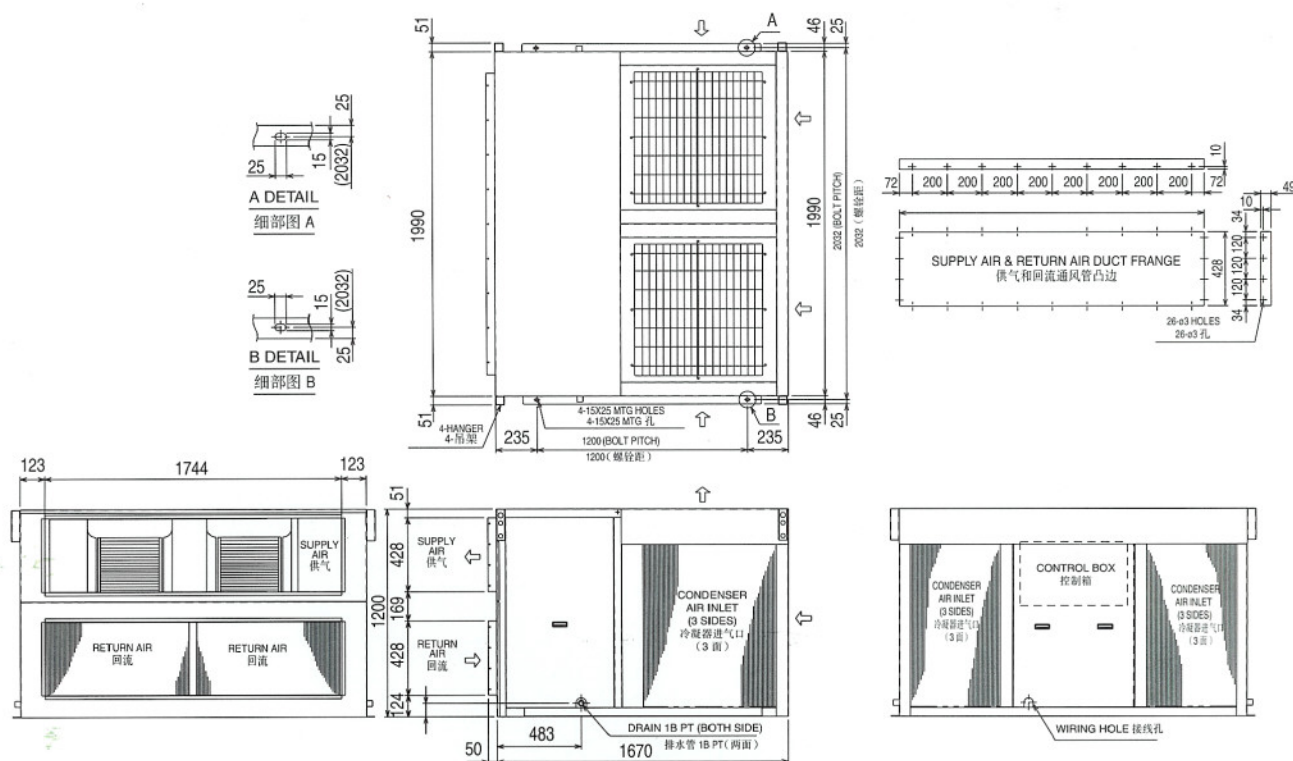
- 备注 1. 冷却电容量会根据以下情形而变。
室内：27°CDB，19°CWB，户外：35°CDB，46°CWB
2. 冷冻剂容量是在出厂前注入的。
3. 所述电容量乃电容量_并不包括蒸发器风机驱动器所减去之热量。
4. 有关规格的一切更改_本公司并不预先通知。

OUTLINE DIMENSIONS 外形尺寸

PRC-8,10,12



PRC-15,20,24



PRC-32



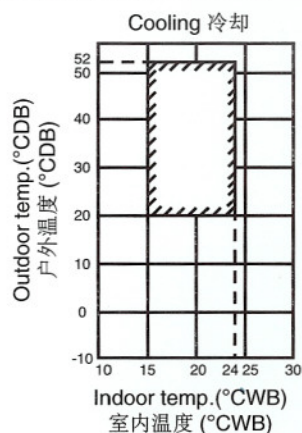
OPERATION RANGE 操作范围

The range of working temperatures is as below.

Make sure which unit you are using and confirm the range of application.

操作温度范围如下。

请确定所使用的型号以及其使用范围。



⚠ Caution 小心

The use of your air conditioner outside the range of working temperature and humidity can result in serious failure.

在操作温度和潮湿度范围外使用有关冷气机将会对有关冷气机导致严重的损坏。

(Note) As an applicable humidity outside standard for both indoors and outdoors, we recommend use within a range of 35-80% relative humidity. However, it is a condition that there is no be dewy in surfaces of electric parts.

(注意) 在一般的应用用途上，我们建议用户。当户外和室内的相对潮湿度范围为 35 至 80% 方可使用。而且必须确定不会有露水凝结在电子机件表面。

OPTIONAL PARTS 附加配件

名称 Description	型号 Model	PRC-8MYA	PRC-10MYA	PRC-12MYA	PRC-15MYA	PRC-20MYA	PRC-24MYA	PRC-32MYA
全能遥控器 Global Remote Controller		○ PAC-204RC						
压力计 Pressure Gauge		○ PAC-206PG			○ PAC-206PG X 2		○ PAC-206PG X 3	

LINE-UP of SPECIAL ORDER 特别订购系列

Type 种类	Type A 种类 A	Type B 种类 B
Global Remote Controller 全能遥控器	OK 有	N/A 无
Sight Glass 窥镜	OK 有	N/A 无
Filter Dryer 过滤器干燥剂	OK 有	N/A 无
Low Pressure Switch 低压开关	OK 有	OK 有
Error Display 故障显示	OK 有	N/A 无
Salt Proof Fin (Gold Fin) 防锈翼片 (金翼片)	N/A 无	OK 有



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Issued in October 2002 MEE010011B
2002 年十月出版

New publication effective October 2002.
Specifications subject to change without notice.
新版本由 2002 年十月起生效。
有关规格的一切更改本公司并不预先通知。