

Series COOLING ONLY PE-5,6,8,10,12,16,20GAK

50
Hz



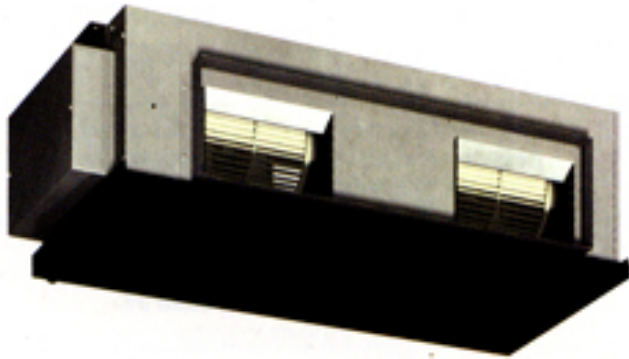
Fixed Speed



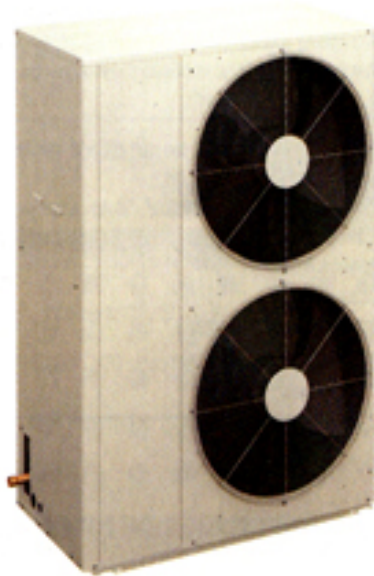
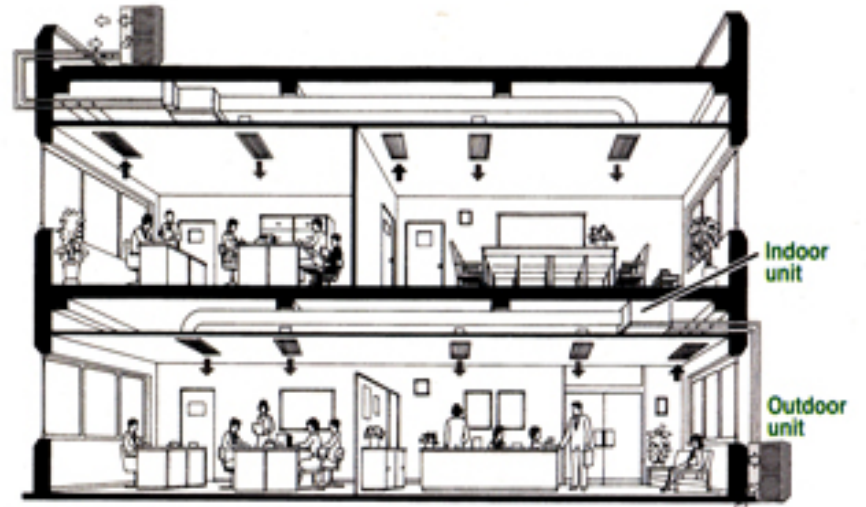
[FEATURES]

Wide range of capacities (5HP-20HP)

Flexible duct design by using high static pressure specifications (150Pa option)



PE-GAK



PU-YAKD

Highly-functional remote controller

Weekly timer and Multi-language display enables Comfort control and Ease of Use.



PAR-21MAA



SPECIFICATIONS

(50Hz)

Model name			PE-5GAK	PE-6GAK	PE-8GAK	PE-10GAK	PE-12GAK	PE-16GAK	PE-20GAK	
Power source			1N- 220/230/240V 50Hz			3N- 380/400/415V 50Hz				
Cooling *2	Capacity	kW	12.1	15.7	21.6	26.7	30.8	43.2	53.4	
		kcal/h	10,400	13,400	18,500	22,900	26,400	37,100	45,900	
		Btu/h	41,000	54,000	74,000	91,000	105,000	147,000	182,000	
	Sensible Capacity	kW	9.9	12.9	16.0	20.0	22.8	29.8	36.8	
		kcal/h	8,500	11,000	13,700	17,200	19,500	25,600	31,600	
		Btu/h	34,000	44,000	55,000	68,000	78,000	102,000	126,000	
Power input	kW	0.87		1.00	1.12 (-SP 1.18)	1.22	1.55	2.84		
Current input	A	4.0		1.8 (-SP 2.0)	2.0 (-SP 2.3)	2.3	3.8	5.4		
Temperature range of cooling	Indoor	W.B.	15.5°CWB-22.5°CWB			15°CWB-24°CWB				
	Outdoor	D.B.	(21)-46°CDB			(20)-52°CDB ((20)-43°CDB with PAC-SG208SG-E)				
Capacity control			0/100							
Fan	Type x Quantity		Sirocco fan x 1 (-MF Metal fan)			Sirocco fan x 2 (-MF Metal fan)		Sirocco fan x 2 (Metal fan)		
	Air flow rate (Hi-Lo)	CMM	50-40	55-44	65-52	80-64	90-72	120	160	
	External static pressure	Pa	100 (-SP 150)						100	150
	Motor output	kW	0.46 (-SP 0.54)			0.75 (-SP 0.77)		0.77	1.3	1.8
External finish			Galvanized steel							
External dimension	H x W x D	mm	400 x 1,180 x 634			400 x 1,400 x 634	400 x 1,600 x 634		595 x 1,947 x 764	
Heat exchanger type			Cross fin							
Air filter			Option							
Refrigerant piping diameter Liquid / Gas	mm		ø9.52 / ø19.05		ø15.88 / ø25.4	ø15.88 / ø28.6		ø15.88 / ø25.4 x 2	ø15.88 / ø28.6 x 2	
Drain piping dimension	mm		25.4 (R1)							
Noise level *3	dB(A)		46-42 (-SP 48-45)	49-45 (-SP 51-48)	50-46 (-SP 52-49)	51-48	52	53		
Net weight	kg		56	59	70	77	77	130	133	
Remote controller			PAR-21MAA (attached)							
Model name			PU-5YAKD	PU-6YAKD	PU-8YAKD	PU-10YAKD	PU-12YAKD	PU-8YAKD x 2	PU-10YAKD x 2	
Power source			3N- 380/400/415V 50Hz							
Cooling *1	Power input	kW	4.09	5.11	6.65	9.13	10.15	6.65 x 2	9.13 x 2	
	Current input	A	7.0	8.5	13.0	16.6	17.9	13.0 x 2	16.6 x 2	
	Starting current	A	64.0	68.0	95.0	125.0	118.0	108	141.6	
Refrigerant	Type		R22							
	Original charge	kg	5.1	5.7	6	6.5	7	6 x 2	6.5 x 2	
Refrigerant control			Capillary							
Fan	Type x Quantity		Propeller fan x 2				(Propeller fan x 2) x 2			
	Air flow rate	CMM	100			160		160 x 2		
	Motor output	kW	0.1 x 2			0.15 x 2		(0.15 x 2) x 2		
Compressor	Type		Hermetically closed scroll							
	Motor output	kW	3.5	4.2	5.6	7.5	8.6	5.6 x 2	7.5 x 2	
	Lubricant		BF56			SONTEX 200LT				
	Crankcase heater	kW	-			0.09		0.09 x 2		
External finish			Polyester resin coating							
Color			Munsell 3Y7.8/1.1							
External dimension	H x W x D	mm	1,258 x 970 x 345 + 24			1,480 x 1,047 x 547		(1,480 x 1,047 x 547) x 2		
Heat exchanger type			Cross fin							
Refrigerant piping diameter Liquid / Gas	mm		ø9.52 / ø19.05		ø15.88 / ø25.4	ø15.88 / ø28.6		ø15.88 / ø25.4 x 2	ø15.88 / ø28.6 x 2	
Noise level *4	Cooling	dB(A)	55	56	66					
Net weight	kg		119	120	197	206	208	197 x 2	206 x 2	
Protection devices			High pressure / Low pressure / Thermal switch Thermal relay / Anti phase Internal inherent motor protection			High pressure / Low pressure / OCR Internal inherent motor protection of COMP / Internal inherent motor protection				

Note 1. Nominal cooling conditions

Indoor: 27°CDB/19°CWB

Outdoor: 35°CDB

Pipe length: 5m(5.6HP) , 7.5m(8.20HP)

2. Cooling capacity is gross capacity which do not include a deduction for evaporator fan motor heat.

3. Measured at 1.5m from the unit's bottom in an anechoic room.

4. Measured at 1m from the unit in an anechoic room.

Optional parts

Item	Special model	Optional part	Applicable model
High-static motor	-SP model		PE-5/6/8/10GAK
Metal fan	-MF model		PE-5/6/8/10/12GAK
Anti-corrosion fin	-BS model		PU-8/10/12YAKD
Air filter		PAC-KE206AF	PE-5/6GAK
		PAC-KE208AF	PE-8GAK
		PAC-KE210AF	PE-10/12GAK
		PAC-KE220AF	PE-16/20GAK
Pressure gauge		PAC-SK209PG-E	PU-8/10/12YAKD
Air outlet guide		PAC-292SG-D	PU-5/6YAKD
Air outlet guide (2pcs/pack)		PAC-SG208SG-E	PU-8/10/12YAKD
M-NET interface		MAC-399IF-E	PE-5/6/8/10/12/16/20GAK
Drain socket		PAC-SA47DS-E	PU-5/6YAKD