

July 2006

No. OCS05

REVISED EDITION-B

TECHNICAL DATA BOOK R410A

<Indoor unit>

[Model names]

INVERTER

PLA-RP-AA
PLA-RP-AA2
PEAD-RP-EA
PEAD-RP-EA2
PEAD-RP-GA
PKA-RP-GAL
PKA-RP-FAL
PKA-RP-FAL2
PCA-RP-GA
PCA-RP-GA2
PCA-RP-HA
PSA-RP-GA

Revision:

- PKA-RP50FAL2 and PCA-RP50GA2 are added.
 - Some descriptions have been modified.
- Please void OCS05 REVISED EDITION-A.

<Outdoor unit>

[Model names]

PUHZ-RP35/50/60/71/100/125/140VHA2
PUHZ-RP100/125/140YHA2

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kW Model



For information on service, please refer to the service manual as follows.

1-1. INDOOR UNIT

Model name	Service Ref.	Service Manual No.
PLA-RP35/50/60/71AA	PLA-RP35/50/60/71AA.UK	OC335
	PLA-RP35/50/60/71AA	OC327
PLA-RP100/125/140AA2	PLA-RP100/125/140AA2.UK	OC357
PCA-RP50/60/71/100/125/140GA PCA-RP50GA2	PCA-RP50/60/71/100/125/140GA PCA-RP50GA2	OC328
PCA-RP71/125HA	PCA-RP71/125HA	OC329
PKA-RP35/50GAL	PKA-RP35/50GAL	OC330
PKA-RP60/71/100FAL PKA-RP50FAL2	PKA-RP60/71/100FAL PKA-RP50FAL2	OC331
PSA-RP71/100/125/140GA	PSA-RP71/100/125/140GA	OC332
PEAD-RP50/60/71/125/140EA PEAD-RP35/100EA2	PEAD-RP50/60/71/125/140EA.UK PEAD-RP35/100EA2.UK	HWE05210
PEAD-RP60/71/100GA	PEAD-RP60/71/100GA.UK	HWE05060

1-2. OUTDOOR UNIT

Model name	Service Ref.	Service Manual No.
PUHZ-RP35/50/60/71VHA2 PUHZ-RP100/125/140VHA2 PUHZ-RP100/125/140YHA2	PUHZ-RP35/50/60/71VHA2 PUHZ-RP100/125/140VHA2 PUHZ-RP100/125/140YHA2	OC374

2-1. CEILING CASSETTE TYPE

Model name	Indoor unit		PLA-RP35AA	PLA-RP50AA
	Outdoor unit		PUHZ-RP35VHA2	PUHZ-RP50VHA2
Cooling	Capacity	Btu/h	12,300	17,100
		kW	3.6(1.6-4.5)	5.0(2.3-5.6)
	Total input	kW	1.07	1.55
	EER		3.36	3.23
	Energy label class		A	A
	SHF		0.89	0.86
Heating	Capacity	Btu/h	14,000	20,500
		kW	4.1(1.6-5.2)	6.0(2.5-7.3)
	Total input	kW	1.12	1.62
	COP		3.66	3.70
	Energy label class		A	A
	Booster heater	kW	-	-
Power supply	Phase	ϕ	1	
	Cycle	Hz	50	
	Voltage	V	230	
	Breaker size	A	16	
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	11-12-13-14	14-15-16-18
		CFM	390-425-460-495	495-530-565-635
	External pressure	Pa	0	0
	Sound level (Low-Medium2-Medium1-High)	dB(A)	27-28-29-31	28-29-31-33
	External finish (Panel)		White Munsell 0.70Y 8.59/0.97	
	Dimension Unit (Panel)	W : mm	840 (950)	
		D : mm	840 (950)	
		H : mm	258 (30)	
		W : inch	33-1/16 (37-3/8)	
		D : inch	33-1/16 (37-3/8)	
		H : inch	10-3/16 (1-3/16)	
	Weight Unit (Panel)	kg	24 (5)	
		lbs	53 (11)	
Unit drain pipe I.D.	mm	32		
	inch	1-1/4		
Outdoor unit	Air flow	CMM	35	
		CFM	1,240	
	Sound level at cooling	dB(A)	44	
	Sound level at heating	dB(A)	46	
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W : mm	800	
		D : mm	300+23	
		H : mm	600	
		W : inch	31-1/2	
		D : inch	11-13/16 + 7/8	
		H : inch	23-5/8	
Weight	kg	45		
	lbs	99		
Refrigerant pipe size	Gas side O.D.	mm	12.7	
		inch	1/2	
	Liquid side O.D.	mm	6.35	
		inch	1/4	
Refrigerant pipe length	Height difference	m	Max. 30	
	Length	m	Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C

3. Guaranteed voltage

198~264V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz

Outdoor unit Single phase 230V 50Hz

* If optional Air protect guide installed. D.B. -15°C

Model name	Indoor unit		PLA-RP60AA	PLA-RP71AA
	Outdoor unit		PUHZ-RP60VHA2	PUHZ-RP71VHA2
Cooling	Capacity	Btu/h	20,500	24,200
		kW	6.0(2.7-6.7)	7.1(3.3-8.1)
	Total input	kW	1.65	1.97
	EER		3.64	3.60
	Energy label class		A	A
	SHF		0.78	0.74
Heating	Capacity	Btu/h	23,900	27,300
		kW	7.0(2.8-8.2)	8.0(3.5-10.2)
	Total input	kW	1.85	2.34
	COP		3.78	3.42
	Energy label class		A	B
	Booster heater	kW	-	-
Power supply	Phase	ϕ	1	
	Cycle	Hz	50	
	Voltage	V	230	
	Breaker size	A	25	
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	14-15-16-18	15-16-18-20
		CFM	495-530-565-635	530-565-635-705
	External pressure	Pa	0	
	Sound level (Low-Medium2-Medium1-High)	dB(A)	28-29-31-33	28-30-32-34
	External finish (Panel)		White Munsell 0.70Y 8.59/0.97	
	Dimension Unit (Panel)	W : mm	840 (950)	
		D : mm	840 (950)	
		H : mm	258 (30)	
		W : inch	33-1/16 (37-3/8)	
		D : inch	33-1/16 (37-3/8)	
		H : inch	10-3/16 (1-3/16)	
	Weight Unit (Panel)	kg	24 (5)	
		lbs	53 (11)	
Unit drain pipe I.D.	mm	32		
	inch	1-1/4		
Outdoor unit	Air flow	CMM	55	
		CFM	1,940	
	Sound level at cooling	dB(A)	47	
	Sound level at heating	dB(A)	48	
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W : mm	950	
		D : mm	330+30	
		H : mm	943	
		W : inch	37-3/8	
		D : inch	13 + 1-3/16	
		H : inch	37-1/8	
Weight	kg	75		
	lbs	165		
Refrigerant pipe size	Gas side O.D.	mm	15.88	
		inch	5/8	
	Liquid side O.D.	mm	9.52	
		inch	3/8	
Refrigerant pipe length	Height difference	m	Max. 30	
	Length	m	Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C

3. Guaranteed voltage

198~264V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz

Outdoor unit Single phase 230V 50Hz

* If optional Air protect guide installed. D.B. -15°C

Model name	Indoor unit		PLA-RP100AA2	PLA-RP125AA2	PLA-RP140AA2	
	Outdoor unit		PUHZ-RP100VHA2	PUHZ-RP125VHA2	PUHZ-RP140VHA2	
Cooling	Capacity	Btu/h	34,100	42,700	47,800	
		kW	10.0(4.9-11.4)	12.5(5.5-14.0)	14.0(5.5-15.3)	
	Total input	kW	3.02	3.87	4.65	
	EER		3.31	3.23	3.01	
	Energy label class		A	A	B	
	SHF		0.78	0.74	0.71	
Heating	Capacity	Btu/h	38,200	47,800	54,600	
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.0-18.0)	
	Total input	kW	3.02	3.88	4.69	
	COP		3.61	3.61	3.41	
	Energy label class		A	A	B	
	Booster heater		kW	-	-	-
Power supply	Phase	φ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	32	40		
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	19-21-23-27	24-25-27-30		
		CFM	670-740-810-950	850-880-950-1060		
	External pressure	Pa	0	0		
	Sound level (Low-Medium2-Medium1-High)	dB(A)	33-36-39-41	37-40-43-45		
	External finish (Panel)		White Munsell 0.70Y 8.59/0.97			
	Dimension Unit (Panel)	W : mm	840 (950)			
		D : mm	840 (950)			
		H : mm	298 (30)			
		W : inch	33-1/16 (37-3/8)			
		D : inch	33-1/16 (37-3/8)			
		H : inch	11-3/4 (1-3/16)			
	Weight Unit (Panel)	kg	32 (5)			
		lbs	71 (11)			
Unit drain pipe I.D.	mm	32				
	inch	1-1/4				
Outdoor unit	Air flow	CMM	100			
		CFM	3,530			
	Sound level at cooling	dB(A)	49	50		
	Sound level at heating	dB(A)	51	52		
	External finish		Ivory Munsell 3Y 7.8/1.1			
	Dimension	W : mm	950			
		D : mm	330+30			
		H : mm	1350			
		W : inch	37-3/8			
		D : inch	13 + 1-3/16			
		H : inch	53-1/8			
Weight	kg	121	116			
	lbs	267	256			
Refrigerant pipe size	Gas side O.D.	mm	15.88			
		inch	5/8			
	Liquid side O.D.	mm	9.52			
		inch	3/8			
Refrigerant pipe length	Height difference	m	Max. 30			
	Length	m	Max. 75			

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
198~264V, 50Hz

4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

* If optional Air protect guide installed. D.B. -15°C

Model name	Indoor unit		PLA-RP100AA2	PLA-RP125AA2	PLA-RP140AA2
	Outdoor unit		PUHZ-RP100YHA2	PUHZ-RP125YHA2	PUHZ-RP140YHA2
Cooling	Capacity	Btu/h	34,100	42,700	47,800
		kW	10.0(4.9-11.4)	12.5(5.5-14.0)	14.0(5.5-15.3)
	Total input	kW	3.02	3.87	4.65
	EER		3.31	3.23	3.01
	Energy label class		A	A	B
	SHF		0.78	0.74	0.71
Heating	Capacity	Btu/h	38,200	47,800	54,600
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.0-18.0)
	Total input	kW	3.02	3.88	4.69
	COP		3.61	3.61	3.41
	Energy label class		A	A	B
	Booster heater	kW	-	-	-
Power supply	Phase	ϕ	3		
	Cycle	Hz	50		
	Voltage	V	400		
	Breaker size	A	16		
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	19-21-23-27	24-25-27-30	
		CFM	670-740-810-950	850-880-950-1060	
	External pressure	Pa	0	0	
	Sound level (Low-Medium2-Medium1-High)	dB(A)	33-36-39-41	37-40-43-45	
	External finish (Panel)		White Munsell 0.70Y 8.59/0.97		
	Dimension Unit (Panel)	W : mm	840 (950)		
		D : mm	840 (950)		
		H : mm	298 (30)		
		W : inch	33-1/16 (37-3/8)		
		D : inch	33-1/16 (37-3/8)		
		H : inch	11-3/4 (1-3/16)		
	Weight Unit (Panel)	kg	32 (5)		
		lbs	71 (11)		
Unit drain pipe I.D.	mm	32			
	inch	1-1/4			
Outdoor unit	Air flow	CMM	100		
		CFM	3,530		
	Sound level at cooling	dB(A)	49	50	
	Sound level at heating	dB(A)	51	52	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	950		
		D : mm	330+30		
		H : mm	1350		
		W : inch	37-3/8		
		D : inch	13 + 1-3/16		
		H : inch	53-1/8		
	Weight	kg	135	130	
		lbs	298	287	
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 75		

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage

Indoor unit 198-264V, 50Hz
Outdoor unit 342-457V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz
Outdoor unit 3 phase 400V 50Hz

* If optional Air protect guide installed. D.B.-15°C

2-2. CEILING-CONCEALED TYPE

Model name	Indoor unit		PEAD-RP35EA2	PEAD-RP50EA
	Outdoor unit		PUHZ-RP35VHA2	PUHZ-RP50VHA2
Cooling	Capacity	Btu/h	12,300	16,700
		kW	3.6(1.6-4.5)	4.9(2.3-5.6)
	Total input	kW	1.12	1.52
	EER		3.21	3.22
	Energy label class		A	A
	SHF		0.89	0.82
Heating	Capacity	Btu/h	14,000	20,500
		kW	4.1(1.6-5.2)	6.0(2.5-7.3)
	Total input	kW	1.20	1.65
	COP		3.41	3.64
	Energy label class		B	A
	Booster heater		kW	-
Power supply	Phase	ϕ	1	
	Cycle	Hz	50	
	Voltage	V	230	
	Breaker size	A	16	
Indoor unit	Air flow (Low-High)	CMM	13.5-17	
		CFM	476-600	
	External pressure	Pa	30(70)	
	Sound level (Low-High)	dB(A)	36-40	
			(70Pa : 38-44)	
	External finish		Galvanized sheets	
	Dimension	W : mm	935	
		D : mm	700	
		H : mm	295	
		W : inch	36-13/16	
		D : inch	27-5/8	
		H : inch	11-5/8	
	Weight	kg	33	35
lbs		73	77	
Unit drain pipe		R1(External thread)		
Outdoor unit	Air flow	CMM	35	
		CFM	1,240	
	Sound level at cooling	dB(A)	44	
	Sound level at heating	dB(A)	46	
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W : mm	800	
		D : mm	300+23	
		H : mm	600	
		W : inch	31-1/2	
		D : inch	11-13/16 + 7/8	
H : inch		23-5/8		
Weight	kg	45		
	lbs	99		
Refrigerant pipe size	Gas side O.D.	mm	12.7	
		inch	1/2	
	Liquid side O.D.	mm	6.35	
		inch	1/4	
Refrigerant pipe length	Height difference	m	Max. 30	
	Length	m	Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C

3. Guaranteed voltage

198~264V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz

Outdoor unit Single phase 230V 50Hz

* If optional Air protect guide installed. D.B. -15°C

Model name	Indoor unit		PEAD-RP60EA	PEAD-RP71EA	
	Outdoor unit		PUHZ-RP60VHA2	PUHZ-RP71VHA2	
Cooling	Capacity	Btu/h	20,500	24,200	
		kW	6.0(2.7-6.7)	7.1(3.3-8.1)	
	Total input	kW	1.86	2.15	
	EER		3.23	3.30	
	Energy label class		A	A	
	SHF		0.79	0.83	
Heating	Capacity	Btu/h	23,900	27,300	
		kW	7.0(2.8-8.2)	8.0(3.5-10.2)	
	Total input	kW	1.90	2.34	
	COP		3.68	3.42	
	Energy label class		A	B	
	Booster heater		kW	-	-
Power supply	Phase	ϕ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	25		
Indoor unit	Air flow (Low-High)	CMM	17-21	20-25	
		CFM	600-741	706-883	
	External pressure	Pa	30(70)	70(130)	
	Sound level (Low-High)	dB(A)	37-41	37-41	
			(70Pa : 39-46)	(130Pa : 40-45)	
	External finish		Galvanized sheets		
	Dimension	W : mm	1175		
			D : mm	700	740
			H : mm	295	325
			W : inch	46-1/8	
			D : inch	27-5/8	
			H : inch	11-5/8	12-13/16
	Weight	kg	42	44	
lbs		92	97		
Unit drain pipe		R1(External thread)			
Outdoor unit	Air flow	CMM	55	55	
		CFM	1,940	1,940	
	Sound level at cooling	dB(A)	47	47	
	Sound level at heating	dB(A)	48	48	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	950		
			D : mm	330+30	330+30
			H : mm	943	943
			W : inch	37-3/8	
			D : inch	13 + 1-3/16	13 + 1-3/16
H : inch			37-1/8		
Weight	kg	75	75		
	lbs	165	165		
Refrigerant pipe size	Gas side O.D.	mm	15.88	15.88	
		inch	5/8	5/8	
	Liquid side O.D.	mm	9.52	9.52	
		inch	3/8	3/8	
Refrigerant pipe length	Height difference	m	Max. 30	Max. 30	
	Length	m	Max. 50	Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C

3. Guaranteed voltage

198-264V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz

Outdoor unit Single phase 230V 50Hz

* If optional Air protect guide installed. D.B. -15°C



Model name	Indoor unit		PEAD-RP100EA2	PEAD-RP125EA	PEAD-RP140EA	
	Outdoor unit		PUHZ-RP100VHA2	PUHZ-RP125VHA2	PUHZ-RP140VHA2	
Cooling	Capacity	Btu/h	34,100	42,700	47,800	
		kW	10.0(4.9-11.4)	12.5(5.5-14.0)	14.0(5.5-15.3)	
	Total input	kW	3.06	3.89	4.65	
	EER		3.27	3.21	3.01	
	Energy label class		A	A	B	
	SHF		0.86	0.82	0.83	
Heating	Capacity	Btu/h	38,200	47,800	54,600	
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.0-18.0)	
	Total input	kW	3.19	3.88	4.69	
	COP		3.51	3.61	3.41	
	Energy label class		B	A	B	
	Booster heater		kW	-	-	-
Power supply	Phase	φ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	32	40		
Indoor unit	Air flow (Low-High)	CMM	33.5-42		36.5-46	
		CFM	1183-1483		1288-1624	
	External pressure	Pa	70(130)			
	Sound level (Low-High)	dB(A)	44-50		46-51	
			(130Pa : 46-52)		(130Pa : 47-53)	
	External finish		Galvanized sheets			
	Dimension	W : mm	1415		1715	
			740			
		H : mm				
		W : inch		55-11/16		67-1/2
		D : inch				
		H : inch				
	Weight	kg	65		70	
lbs		143		154		
Unit drain pipe		R1(External thread)				
Outdoor unit	Air flow	CMM	100			
		CFM	3,530			
	Sound level at cooling	dB(A)	49	50		
	Sound level at heating	dB(A)	51	52		
	External finish		Ivory Munsell 3Y 7.8/1.1			
	Dimension	W : mm	950			
			330+30			
		H : mm				
		W : inch		37-3/8		
		D : inch		13 + 1-3/16		
		H : inch		53-1/8		
Weight	kg	121	116			
	lbs	267	256			
Refrigerant pipe size	Gas side O.D.	mm	15.88			
		inch	5/8			
	Liquid side O.D.	mm	9.52			
		inch	3/8			
Refrigerant pipe length	Height difference	m	Max. 30			
	Length	m	Max. 75			

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage

198~264V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz

Outdoor unit Single phase 230V 50Hz

* If optional Air protect guide installed. D.B.-15°C

Model name	Indoor unit		PEAD-RP100EA2	PEAD-RP125EA	PEAD-RP140EA
	Outdoor unit		PUHZ-RP100YHA2	PUHZ-RP125YHA2	PUHZ-RP140YHA2
Cooling	Capacity	Btu/h	34,100	42,700	47,800
		kW	10.0(4.9-11.4)	12.5(5.5-14.0)	14.0(5.5-15.3)
	Total input	kW	3.06	3.89	4.65
	EER		3.27	3.21	3.01
	Energy label class		A	A	B
	SHF		0.86	0.82	0.83
Heating	Capacity	Btu/h	38,200	47,800	54,600
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.0-18.0)
	Total input	kW	3.19	3.88	4.69
	COP		3.51	3.61	3.41
	Energy label class		B	A	B
	Booster heater	kW	-	-	-
Power supply	Phase	ϕ	3		
	Cycle	Hz	50		
	Voltage	V	400		
	Breaker size	A	16		
Indoor unit	Air flow (Low-High)	CMM	33.5-42		36.5-46
		CFM	1183-1483		1288-1624
	External pressure	Pa	70(130)		
	Sound level (Low-High)	dB(A)	44-50		46-51
			(130Pa : 46-52)		(130Pa : 47-53)
	External finish		Galvanized sheets		
	Dimension	W : mm	1415		1715
			740		
		H : mm	325		
			55-11/16		67-1/2
		D : inch	29-1/8		
			12-13/16		
	Weight	kg	65		70
		lbs	143		154
Unit drain pipe		R1(External thread)			
Outdoor unit	Air flow	CMM	100		
		CFM	3,530		
	Sound level at cooling	dB(A)	49	50	
	Sound level at heating	dB(A)	51	52	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	950		
			330+30		
		H : mm	1350		
			37-3/8		
		D : inch	13 + 1-3/16		
			53-1/8		
	Weight	kg	135	130	
		lbs	298	287	
	Refrigerant pipe size	Gas side O.D.	mm	15.88	
inch			5/8		
Liquid side O.D.		mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 75		

- NOTE:**
- Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

- Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

- Guaranteed voltage
Indoor unit 198~264V, 50Hz
Outdoor unit 342~457V, 50Hz
 - Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit 3 phase 400V 50Hz
- * If optional Air protect guide installed. D.B.-15°C

Model name	Indoor unit		PEAD-RP60GA	PEAD-RP71GA	PEAD-RP100GA
	Outdoor unit		PUHZ-RP60VHA2	PUHZ-RP71VHA2	PUHZ-RP100VHA2
Cooling	Capacity	Btu/h	20,500	24,200	34,100
		kW	6.0(2.7-6.7)	7.1(3.3-8.1)	10.0(4.9-11.4)
	Total input	kW	1.68	2.15	3.08
	EER		3.57	3.30	3.25
	Energy label class		A	A	A
	SHF		0.88	0.83	0.86
Heating	Capacity	Btu/h	23,900	27,300	38,200
		kW	7.0(2.8-8.2)	8.0(3.5-10.2)	11.0(4.5-14.0)
	Total input	kW	1.77	2.34	3.23
	COP		3.95	3.42	3.41
	Energy label class		A	B	B
	Booster heater		kW	-	-
Power supply	Phase	φ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	25	32	
Indoor unit	Air flow	CMM	16.5-21	20-25	26.5-33
		(Low-High)	CFM	582-741	706-883
	External pressure	Pa	10/50/70		10/50/70
	Sound level	dB(A)	33-37/35-40/36-42	35-38/37-41/37-43	40-43/42-45/42-46
	(Low-High)		(10/50/70Pa)	(10/50/70Pa)	(10/50/70Pa)
	External finish		Galvanized sheets		
	Dimension	W : mm	1171		1411
		D : mm	740		
		H : mm	275		
		W : inch	46-1/8	55-9/16	
		D : inch	29-1/8		
		H : inch	10-13/16		
	Weight	kg	42	50	
		lbs	93	111	
Unit drain pipe O.D.	mm	32			
	inch	1-1/4			
Outdoor unit	Air flow	CMM	55	100	
		CFM	1,940	3,530	
	Sound level at cooling	dB(A)	47	49	
	Sound level at heating	dB(A)	48	51	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	950		
		D : mm	330+30		
		H : mm	943	1350	
		W : inch	37-3/8		
		D : inch	13 + 1-3/16		
		H : inch	37-1/8	53-1/8	
Weight	kg	75	121		
	lbs	165	267		
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30	Max. 30	
	Length	m	Max. 50	Max. 75	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *1
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C *2

3. Guaranteed voltage
198-264V, 50Hz

4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

*1. If optional Air protect guide installed. D.B. -15°C

*2. For RP100 D.B. -20°C, W.B. -20°C

Model name	Indoor unit		PEAD-RP100GA
	Outdoor unit		PUHZ-RP100YHA2
Cooling	Capacity	Btu/h	34,100
		kW	10.0(4.9-11.4)
	Total input	kW	3.08
	EER		3.25
	Energy label class		A
	SHF		0.86
Heating	Capacity	Btu/h	38,200
		kW	11.0(4.5-14.0)
	Total input	kW	3.23
	COP		3.41
	Energy label class		B
	Booster heater	kW	-
Power supply	Phase	ϕ	3
	Cycle	Hz	50
	Voltage	V	400
	Breaker size	A	16
Indoor unit	Air flow (Low-High)	CMM	26.5-33
		CFM	935-1165
	External pressure	Pa	10/50/70
	Sound level (Low-High)	dB(A)	40-43/42-45/42-46 (10/50/70Pa)
	External finish		Galvanized sheets
	Dimension	W : mm	1411
		D : mm	740
		H : mm	275
		W : inch	55-9/16
		D : inch	29-1/8
		H : inch	10-13/16
	Weight	kg	50
lbs		111	
Unit drain pipe O.D.	mm	32	
	inch	1-1/4	
Outdoor unit	Air flow	CMM	100
		CFM	3,530
	Sound level at cooling	dB(A)	49
	Sound level at heating	dB(A)	51
	External finish		Ivory Munsell 3Y 7.8/1.1
	Dimension	W : mm	943
		D : mm	330+30
		H : mm	1350
		W : inch	37-3/8
		D : inch	13 + 1-3/16
		H : inch	53-1/8
	Weight	kg	135
lbs		298	
Refrigerant pipe size	Gas side O.D.	mm	15.88
		inch	5/8
	Liquid side O.D.	mm	9.52
		inch	3/8
Refrigerant pipe length	Height difference	m	Max. 30
	Length	m	Max. 75

NOTE: 1. Rating conditions (ISO T1)

Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)

Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)

Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage

Indoor unit 198-264V, 50Hz

Outdoor unit 342-457V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz

Outdoor unit 3 phase 400V 50Hz

* If optional Air protect guide installed. D.B.-15°C

2-3. WALL MOUNTED TYPE

Model name	Indoor unit		PKA-RP35GAL	PKA-RP50GAL
	Outdoor unit		PUHZ-RP35VHA2	PUHZ-RP50VHA2
Cooling	Capacity	Btu/h	12,300	15,700
		kW	3.6(1.6-4.5)	4.6(2.3-5.4)
	Total input	kW	1.03	1.63
	EER		3.50	2.82
	Energy label class		A	C
	SHF		0.84	0.74
Heating	Capacity	Btu/h	14,000	15,400
		kW	4.1(1.6-5.2)	4.5(2.5-6.2)
	Total input	kW	1.27	1.40
	COP		3.23	3.21
	Energy label class		C	C
	Booster heater		kW	-
Power supply	Phase	φ	1	
	Cycle	Hz	50	
	Voltage	V	230	
	Breaker size	A	16	
Indoor unit	Air flow	CMM	9-10-11-12	
	(Low-Medium2-Medium1-High)	CFM	320-355-390-425	
	External pressure	Pa	0	
	Sound level	dB(A)	36-38-41-43	
	(Low-Medium2-Medium1-High)			
	External finish		White Munsell 0.70Y 8.59/0.97	
	Dimension	W : mm	990	
		D : mm	235	
		H : mm	340	
		W : inch	39	
		D : inch	9-1/4	
		H : inch	13-3/8	
	Weight	kg	16	
lbs		35		
Unit drain pipe O.D.	mm	20		
	inch	13/16		
Outdoor unit	Air flow	CMM	35	
		CFM	1,240	
	Sound level at cooling	dB(A)	44	
	Sound level at heating	dB(A)	46	
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W : mm	800	
		D : mm	300+23	
		H : mm	600	
		W : inch	31-1/2	
		D : inch	11-13/16 + 7/8	
		H : inch	23-5/8	
Weight	kg	45		
	lbs	99		
Refrigerant pipe size	Gas side O.D.	mm	12.7	
		inch	1/2	
	Liquid side O.D.	mm	6.35	
		inch	1/4	
Refrigerant pipe length	Height difference	m	Max. 30	
	Length	m	Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C

3. Guaranteed voltage

198~264V, 50Hz
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

* If optional Air protect guide installed. D.B. -15°C

Model name	Indoor unit		PKA-RP50FAL2	PKA-RP60FAL	PKA-RP71FAL	PKA-RP100FAL
	Outdoor unit		PUHZ-RP50VHA2	PUHZ-RP60VHA2	PUHZ-RP71VHA2	PUHZ-RP100VHA2
Cooling	Capacity	Btu/h	17,000	20,500	24,200	34,100
		kW	5.0(2.3-5.6)	6.0(2.7-6.7)	7.1(3.3-8.1)	10.0(4.9-11.4)
	Total input	kW	1.66	1.55	1.98	2.93
	EER		3.01	3.87	3.59	3.41
	Energy label class		B	A	A	A
	SHF		0.86	0.83	0.77	0.77
Heating	Capacity	Btu/h	20,500	23,900	27,300	38,200
		kW	6.0(2.5-7.3)	7.0(2.8-8.2)	7.6(3.5-10.2)	11.2(4.5-14.0)
	Total input	kW	1.76	2.01	2.23	3.25
	COP		3.41	3.48	3.41	3.45
	Energy label class		B	B	B	B
	Booster heater	kW	-	-	-	-
Power supply	Phase	ϕ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	16	25	32	
Indoor unit	Air flow (Low-High)	CMM	15-20	15-20	22-28	
		CFM	530-705	530-705	780-990	
	External pressure	Pa	0			
	Sound level (Low-High)	dB(A)	39-45	39-45	41-46	
	External finish		Munsell 3.4Y 7.7/0.8			
	Dimension	W : mm	1400	1400	1680	
		D : mm	235			
		H : mm	340			
		W : inch	55-1/8	55-1/8	66-1/8	
		D : inch	9-1/4			
		H : inch	13-3/8			
	Weight	kg	24	24	28	
		lbs	53	53	62	
Unit drain pipe O.D.	mm	20				
	inch	13/16				
Outdoor unit	Air flow	CMM	35	55	100	
		CFM	1,240	1,940	3,530	
	Sound level at cooling	dB(A)	44	47	49	
	Sound level at heating	dB(A)	46	48	51	
	External finish		Ivory Munsell 3Y 7.8/1.1			
	Dimension	W : mm	800	950	950	
		D : mm	300+23	330+30	330+30	
		H : mm	600	943	1350	
		W : inch	31-1/2	37-3/8	37-3/8	
		D : inch	11 - 13/16	13 + 1-3/16	13 + 1-3/16	
H : inch		23-5/8	37-1/8	53-1/8		
Weight	kg	45	75	121		
	lbs	99	165	267		
Refrigerant pipe size	Gas side O.D.	mm	12.7	15.88	15.88	
		inch	1/2	5/8	5/8	
	Liquid side O.D.	mm	6.35	9.52	9.52	
		inch	1/4	3/8	3/8	
Refrigerant pipe length	Height difference	m	Max. 30	Max. 30	Max. 30	
	Length	m	Max. 50	Max. 50	Max. 75	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※1
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C ※2

3. Guaranteed voltage

198~264V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz

Outdoor unit Single phase 230V 50Hz

※1. If optional Air protect guide installed. D.B.-15°C

※2. For RP100 D.B. -20°C, W.B. -20°C

Model name	Indoor unit		PKA-RP100FAL
	Outdoor unit		PUHZ-RP100YHA2
Cooling	Capacity	Btu/h	34,100
		kW	10.0(4.9-11.4)
	Total input	kW	2.93
	EER		3.41
	Energy label class		A
	SHF		0.77
Heating	Capacity	Btu/h	38,200
		kW	11.2(4.5-14.0)
	Total input	kW	3.25
	COP		3.45
	Energy label class		B
	Booster heater	kW	-
Power supply	Phase	φ	3
	Cycle	Hz	50
	Voltage	V	400
	Breaker size	A	16
Indoor unit	Air flow (Low-High)	CMM	22-28
		CFM	780-990
	External pressure	Pa	0
	Sound level (Low-High)	dB(A)	41-46
	External finish		Munsell 3.4Y 7.7/0.8
	Dimension	W : mm	1680
		D : mm	235
		H : mm	340
		W : inch	66-1/8
		D : inch	9-1/4
		H : inch	13-3/8
	Weight	kg	28
		lbs	62
Unit drain pipe O.D.	mm	20	
	inch	13/16	
Outdoor unit	Air flow	CMM	100
		CFM	3,530
	Sound level at cooling	dB(A)	49
	Sound level at heating	dB(A)	51
	External finish		Ivory Munsell 3Y 7.8/1.1
	Dimension	W : mm	950
		D : mm	330+30
		H : mm	1350
		W : inch	37-3/8
		D : inch	13 + 1-3/16
H : inch		53-1/8	
Weight	kg	135	
	lbs	298	
Refrigerant pipe size	Gas side O.D.	mm	15.88
		inch	5/8
	Liquid side O.D.	mm	9.52
		inch	3/8
Refrigerant pipe length	Height difference	m	Max. 30
	Length	m	Max. 75

NOTE: 1. Rating conditions (ISO T1)

Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
 Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
 Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage

Indoor unit 198~264V, 50Hz
 Outdoor unit 342~457V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz
 Outdoor unit 3 phase 400V 50Hz

* If optional Air protect guide installed. D.B. -15°C

2-4. CEILING SUSPENDED TYPE

Model name	Indoor unit		PCA-RP50GA	PCA-RP50GA2	PCA-RP60GA	PCA-RP71GA
	Outdoor unit		PUHZ-RP50VHA2	PUHZ-RP50VHA2	PUHZ-RP60VHA2	PUHZ-RP71VHA2
Cooling	Capacity	Btu/h	16,000	17,000	20,500	24,200
		kW	4.7(2.3-5.4)	5.0(2.3-5.6)	6.0(2.7-6.7)	7.1(3.3-8.1)
	Total input	kW	1.67	1.66	1.63	2.14
	EER		2.81	3.01	3.68	3.32
	Energy label class		C	B	A	A
	SHF		0.76	0.88	0.86	0.74
Heating	Capacity	Btu/h	18,800	20,500	23,900	27,300
		kW	5.5(2.5-6.6)	6.0(2.5-7.3)	7.0(2.8-8.2)	7.6(3.5-10.2)
	Total input	kW	1.71	1.76	2.03	2.23
	COP		3.22	3.41	3.45	3.41
	Energy label class		C	B	B	B
	Booster heater	kW	-	-	-	-
Power supply	Phase	φ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	16		25	
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	10-11-12-13	14-15-16-18	14-15-16-18	
		CFM	355-390-425-460	495-530-565-635	495-530-565-635	
	External pressure	Pa	0			
	Sound level (Low-Medium2-Medium1-High)	dB(A)	37-38-40-42	37-39-41-43	37-39-41-43	
	External finish		White Munsell 0.70Y 8.59/0.97			
	Dimension	W : mm	1000	1310	1310	
		D : mm	680			
		H : mm	210			
		W : inch	39-3/8	51-9/16	51-9/16	
		D : inch	26-3/4			
H : inch		8-1/4				
Weight	kg	27	34	34		
	lbs	60	75	75		
Unit drain pipe I.D.	mm	26				
	inch	1				
Outdoor unit	Air flow	CMM	35	55		
		CFM	1,240	1,940		
	Sound level at cooling	dB(A)	44	47		
	Sound level at heating	dB(A)	46	48		
	External finish		Ivory Munsell 3Y 7.8/1.1			
	Dimension	W : mm	800	950		
		D : mm	330+23	330+30		
		H : mm	600	943		
		W : inch	31-1/2	37-3/8		
		D : inch	13 + 7/8	13 + 1-3/16		
H : inch		23-5/8	37-1/8			
Weight	kg	45	75			
	lbs	99	165			
Refrigerant pipe size	Gas side O.D.	mm	12.7	15.88		
		inch	1/2	5/8		
	Liquid side O.D.	mm	6.35	9.52		
		inch	1/4	3/8		
Refrigerant pipe length	Height difference	m	Max. 30			
	Length	m	Max. 50			

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C

3. Guaranteed voltage

198~264V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz

Outdoor unit Single phase 230V 50Hz

* If optional Air protect guide installed. D.B. -15°C



Model name	Indoor unit		PCA-RP100GA	PCA-RP125GA	PCA-RP140GA
	Outdoor unit		PUHZ-RP100VHA2	PUHZ-RP125VHA2	PUHZ-RP140VHA2
Cooling	Capacity	Btu/h	34.100	42.700	47.800
		kW	10.0(4.9-11.4)	12.5(5.5-14.0)	14.0(5.5-15.3)
	Total input	kW	2.92	3.88	4.65
	EER		3.42	3.22	3.01
	Energy label class		A	A	B
	SHF		0.75	0.77	0.75
Heating	Capacity	Btu/h	38.200	47.800	54.600
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.0-18.0)
	Total input	kW	3.26	4.11	4.60
	COP		3.44	3.41	3.48
	Energy label class		B	B	B
	Booster heater	kW	-	-	-
Power supply	Phase	φ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	32		40
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	20-21-23-25	27-30-32-34	
		CFM	705-840-810-885	955-1060-1130-1200	
	External pressure	Pa	0	0	
	Sound level (Low-Medium2-Medium1-High)	dB(A)	40-41-43-45	41-43-45-46	42-44-46-48
	External finish		White Munsell 0.70Y 8.59/0.97		
	Dimension	W : mm	1310	1620	
		D : mm		680	
		H : mm		270	
		W : inch	51-9/16	63-3/4	
		D : inch		26-3/4	
		H : inch		10-5/8	
	Weight	kg	37	43	45
		lbs	82	95	99
Unit drain pipe I.D.	mm		26		
	inch		1		
Outdoor unit	Air flow	CMM	100		
		CFM	3.530		
	Sound level at cooling	dB(A)	49	50	
	Sound level at heating	dB(A)	51	52	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm		950	
		D : mm		330+30	
		H : mm		1350	
		W : inch		37-3/8	
		D : inch		13 + 1-3/16	
		H : inch		53-1/8	
Weight	kg	121	116		
	lbs	267	256		
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 75		

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage
198~264V, 50Hz

4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

* If optional Air protect guide installed. D.B. -15°C

Model name	Indoor unit		PCA-RP100GA	PCA-RP125GA	PCA-RP140GA
	Outdoor unit		PUHZ-RP100YHA2	PUHZ-RP125YHA2	PUHZ-RP140YHA2
Cooling	Capacity	Btu/h	34,100	42,700	47,800
		kW	10.0(4.9-11.4)	12.5(5.5-14.0)	14.0(5.5-15.3)
	Total input	kW	2.92	3.88	4.65
	EER		3.42	3.22	3.01
	Energy label class		A	A	B
	SHF		0.75	0.77	0.75
Heating	Capacity	Btu/h	38,200	47,800	54,600
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.0-18.0)
	Total input	kW	3.26	4.11	4.60
	COP		3.44	3.41	3.48
	Energy label class		B	B	B
	Booster heater	kW	-	-	-
Power supply	Phase	φ	3		
	Cycle	Hz	50		
	Voltage	V	400		
	Breaker size	A	16		
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	20-21-23-25	27-30-32-34	
		CFM	705-840-810-885	955-1060-1130-1200	
	External pressure	Pa	0	0	
	Sound level (Low-Medium2-Medium1-High)	dB(A)	40-41-43-45	41-43-45-46	42-44-46-48
	External finish		White Munsell 0.70Y 8.59/0.97		
	Dimension	W : mm	1310	1620	
		D : mm		680	
		H : mm		270	
		W : inch	51-9/16	63-3/4	
		D : inch		26-3/4	
		H : inch		10-5/8	
	Weight	kg	37	43	45
		lbs	82	95	99
	Unit drain pipe I.D.	mm	26		
inch		1			
Outdoor unit	Air flow	CMM	100		
		CFM	3,530		
	Sound level at cooling	dB(A)	49	50	
	Sound level at heating	dB(A)	51	52	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	950		
		D : mm	330+30		
		H : mm	1350		
		W : inch	37-3/8		
		D : inch	13 + 1-3/16		
		H : inch	53-1/8		
	Weight	kg	135	130	
		lbs	298	287	
	Refrigerant pipe size	Gas side O.D.	mm	15.88	
inch			5/8		
Liquid side O.D.		mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 75		

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage

Indoor unit 198-264V, 50Hz

Outdoor unit 342-457V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz

Outdoor unit 3 phase 400V 50Hz

* If optional Air protect guide installed. D.B. -15°C



Model name	Indoor unit		PCA-RP71HA	PCA-RP125HA	PCA-RP125HA
	Outdoor unit		PUHZ-RP71VHA2	PUHZ-RP125VHA2	PUHZ-RP125YHA2
Cooling	Capacity	Btu/h	24,200	42,700	42,700
		kW	7.1(3.3-8.1)	12.5(5.5-14.0)	12.5(5.5-14.0)
	Total input	kW	2.21	3.88	3.88
	EER		3.21	3.22	3.22
	Energy label class		A	A	A
	SHF		0.74	0.77	0.77
Heating	Capacity	Btu/h	27,300	47,800	47,800
		kW	7.6(3.5-10.2)	13.8(5.0-16.0)	13.8(5.0-16.0)
	Total input	kW	2.23	4.05	4.05
	COP		3.41	3.41	3.41
	Energy label class		B	B	B
	Booster heater		kW	-	-
Power supply	Phase	φ	1		3
	Cycle	Hz	50		50
	Voltage	V	230		400
	Breaker size	A	25		16
Indoor unit	Air flow	CMM	17-19		30-38
		(Low-High)	CFM	600-670	
	External pressure	Pa	0		0
	Sound level (Low-High)	dB(A)	34-38		44-50
	External finish		Stainless steel		
	Dimension	W : mm	1136		1520
			D : mm		650
		H : mm		280	
		W : inch	44-3/4		59-7/8
			D : inch		25-5/8
		H : inch		11	
	Weight	kg	41		56
		lbs	90		124
Unit drain pipe I.D.	mm	26			
	inch	1			
Outdoor unit	Air flow	CMM	55		100
		CFM	1,940		3,530
	Sound level at cooling	dB(A)	47		50
	Sound level at heating	dB(A)	48		52
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	950		950
			D : mm		330+30
		H : mm		943	
		W : inch	37-3/8		37-3/8
			D : inch		13 + 1-3/16
		H : inch		37-1/8	
	Weight	kg	75		116
		lbs	165		256
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 50		

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *1
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C *2

3. Guaranteed voltage

198~264V, 50Hz (RP125Y : 342~457V, 50Hz)

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz

Outdoor unit V: Single phase 230V 50Hz, Y: 3 phase 400V 50Hz

*1. If optional Air protect guide installed. D.B. -15°C

*2. For RP125 D.B. -20°C, W.B. -20°C

2-5. FLOOR STANDING TYPE

Model name	Indoor unit		PSA-RP71GA
	Outdoor unit		PUHZ-RP71VHA2
Cooling	Capacity	Btu/h	24,200
		kW	7.1(3.3-8.1)
	Total input	kW	2.20
	EER		3.23
	Energy label class		A
	SHF		0.73
Heating	Capacity	Btu/h	27,300
		kW	7.6(3.5-10.2)
	Total input	kW	2.23
	COP		3.41
	Energy label class		B
	Booster heater	kW	-
Power supply	Phase	φ	1
	Cycle	Hz	50
	Voltage	V	230
	Breaker size	A	25
Indoor unit	Air flow (Low-High)	CMM	15-18
		CFM	530-635
	External pressure	Pa	0
	Sound level (Low-High)	dB(A)	40-45
	External finish		White Munsell 0.70Y 8.59/0.97
	Dimension	W : mm	600
		D : mm	270
		H : mm	1900
		W : inch	23-5/8
		D : inch	10-5/8
		H : inch	74-13/16
	Weight	kg	43
		lbs	98
Unit drain pipe O.D.	mm	20	
	inch	13/16	
Outdoor unit	Air flow	CMM	55
		CFM	1,940
	Sound level at cooling	dB(A)	47
	Sound level at heating	dB(A)	48
	External finish		Ivory Munsell 3Y 7.8/1.1
	Dimension	W : mm	950
		D : mm	330+30
		H : mm	943
		W : inch	37-3/8
		D : inch	13 + 1-3/16
		H : inch	37-1/8
Weight	kg	75	
	lbs	165	
Refrigerant pipe size	Gas side O.D.	mm	15.88
		inch	5/8
	Liquid side O.D.	mm	9.52
		inch	3/8
Refrigerant pipe length	Height difference	m	Max. 30
	Length	m	Max. 50

NOTE: 1. Rating conditions (ISO T1)

Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
 Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
 Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C

3. Guaranteed voltage

198~264V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz

Outdoor unit Single phase 230V 50Hz

* If optional Air protect guide installed. D.B. -15°C



Model name	Indoor unit		PSA-RP100GA	PSA-RP125GA	PSA-RP140GA
	Outdoor unit		PUHZ-RP100VHA2	PUHZ-RP125VHA2	PUHZ-RP140VHA2
Cooling	Capacity	Btu/h	34,100	42,700	47,800
		kW	10.0(4.9-11.4)	12.4(5.5-14.0)	13.8(5.5-15.3)
	Total input	kW	2.99	4.12	4.91
	EER		3.34	3.01	2.81
	Energy label class		A	B	C
	SHF		0.81	0.75	0.74
Heating	Capacity	Btu/h	38,200	47,800	54,600
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.0-18.0)
	Total input	kW	3.28	4.11	4.97
	COP		3.41	3.41	3.22
	Energy label class		B	B	C
	Booster heater	kW	-	-	-
Power supply	Phase	φ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	32	40	
Indoor unit	Air flow (Low-High)	CMM	24-31	26-33	27-35
		CFM	850-1060	920-1165	955-1240
	External pressure	Pa	0		
	Sound level (Low-High)	dB(A)	44-49	46-51	47-52
	External finish		White Munsell 0.70Y 8.59/0.97		
	Dimension	W : mm	600		
		D : mm	350		
		H : mm	1900		
		W : inch	23-5/8		
		D : inch	13-3/4		
		H : inch	74-13/16		
	Weight	kg	51	53	
		lbs	112	117	
Unit drain pipe O.D.	mm	20			
	inch	13/16			
Outdoor unit	Air flow	CMM	100		
		CFM	3,530		
	Sound level at cooling	dB(A)	49	50	
	Sound level at heating	dB(A)	51	52	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	950		
		D : mm	330+30		
		H : mm	1350		
		W : inch	37-3/8		
		D : inch	13 + 1-3/16		
H : inch		53-1/8			
Weight	kg	121	116		
	lbs	267	256		
Refrigerant pipe size	Gas side O.D.	mm	15.88		
		inch	5/8		
	Liquid side O.D.	mm	9.52		
		inch	3/8		
Refrigerant pipe length	Height difference	m	Max. 30		
	Length	m	Max. 75		

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage

198-264V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz

Outdoor unit Single phase 230V 50Hz

* If optional Air protect guide installed. D.B.-15°C

Model name	Indoor unit		PSA-RP100GA	PSA-RP125GA	PSA-RP140GA	
	Outdoor unit		PUHZ-RP100YHA2	PUHZ-RP125YHA2	PUHZ-RP140YHA2	
Cooling	Capacity	Btu/h	34,100	42,700	47,800	
		kW	10.0(4.9-11.4)	12.4(5.5-14.0)	13.8(5.5-15.3)	
	Total input	kW	2.99	4.12	4.91	
	EER		3.34	3.01	2.81	
	Energy label class		A	B	C	
	SHF		0.81	0.75	0.74	
Heating	Capacity	Btu/h	38,200	47,800	54,600	
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	16.0(5.0-18.0)	
	Total input	kW	3.28	4.11	4.97	
	COP		3.41	3.41	3.22	
	Energy label class		B	B	C	
	Booster heater	kW	-	-	-	
Power supply	Phase	φ	3			
	Cycle	Hz	50			
	Voltage	V	400			
	Breaker size	A	16			
	Air flow (Low-High)	CFM	850-1060	920-1165	955-1240	
External pressure	Pa	0				
Sound level (Low-High)	dB(A)	44-49	46-51	47-52		
External finish	White Munsell 0.70Y 8.59/0.97					
Dimension	W : mm	600				
	D : mm	350				
	H : mm	1900				
	W : inch	23-5/8				
	D : inch	13-3/4				
	H : inch	74-13/16				
	Weight	kg	51	51	53	
lbs		112	112	117		
Unit drain pipe O.D.	mm	20				
	inch	13/16				
Outdoor unit	Air flow	CMM	100			
		CFM	3,530			
	Sound level at cooling	dB(A)	49	50		
	Sound level at heating	dB(A)	51	52		
	External finish	Ivory Munsell 3Y 7.8/1.1				
	Dimension	W : mm	950			
		D : mm	330+30			
		H : mm	1350			
		W : inch	37-3/8			
		D : inch	13 + 1-3/16			
	Weight	kg	135	130		
lbs		298	287			
Refrigerant pipe size	Gas side O.D.	mm	15.88			
		inch	5/8			
	Liquid side O.D.	mm	9.52			
		inch	3/8			
Refrigerant pipe length	Height difference	m	Max. 30			
	Length	m	Max. 75			

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C *
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -20°C, W.B. -20°C

3. Guaranteed voltage

Indoor unit 198-264V, 50Hz
Outdoor unit 342-457V, 50Hz

4. Above data based on indicated voltage

Indoor unit Single phase 230V 50Hz
Outdoor unit 3 phase 400V 50Hz

* If optional Air protect guide installed. D.B. -15°C

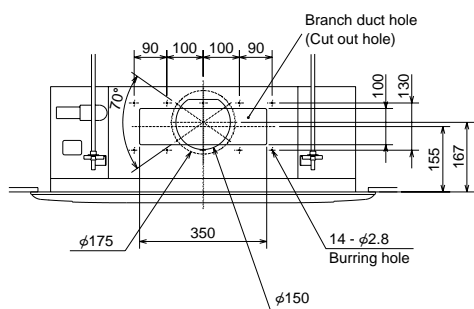
3

OUTLINES AND DIMENSIONS

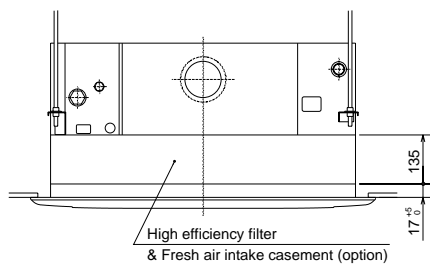
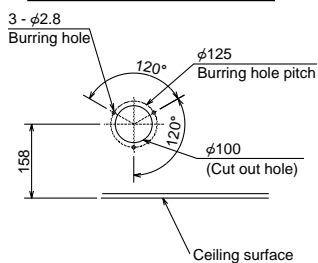
INDOOR UNIT

Unit : mm

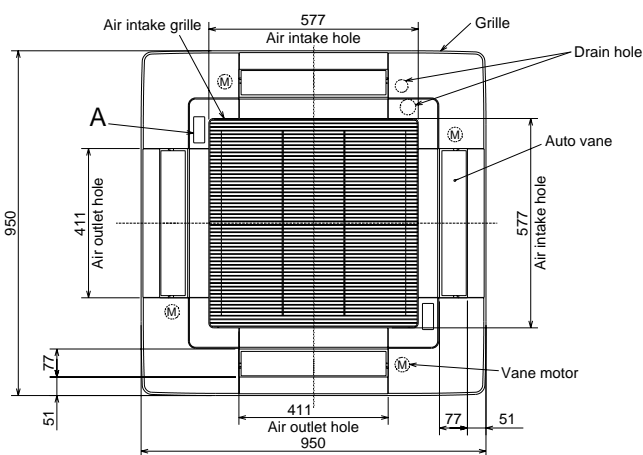
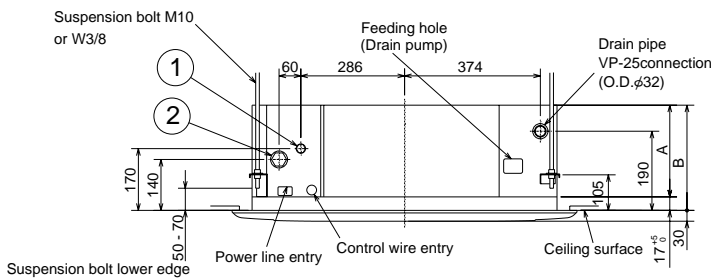
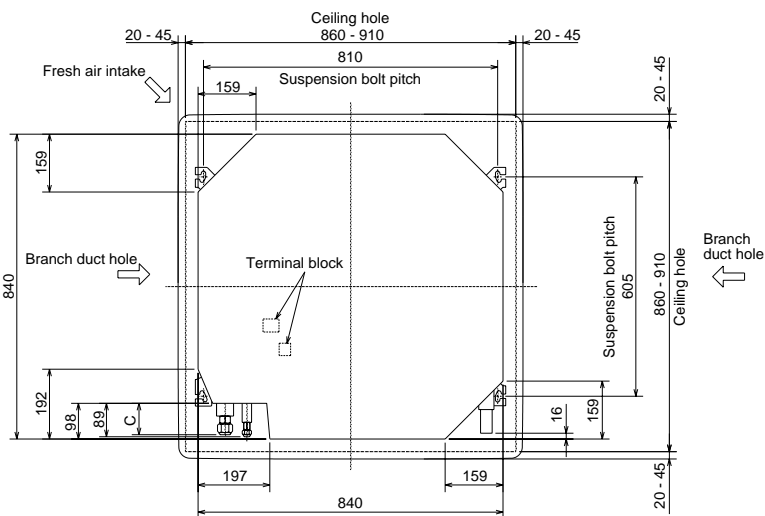
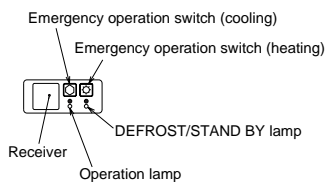
PLA-RP35AA PLA-RP50AA PLA-RP60AA PLA-RP71AA
 PLA-RP100AA2 PLA-RP125AA2 PLA-RP140AA2



Detail drawing of fresh air intake



A (WIRELESS PANEL)



Use the current nuts meeting the pipe size of the outdoor unit.

Available pipe size

	RP35, 50	RP60	RP71	RP100, 125, 140
① LIQUID SIDE	φ6.35 ○	φ6.35	—	—
	φ9.52	φ9.52 ○	φ9.52 ○	φ9.52 ○
② GAS SIDE	φ12.7 ○	—	—	—
	φ15.88	φ15.88 ○	φ15.88 ○	φ15.88 ○
	—	—	—	φ19.05

○ Factory flare nut attachment to the heat-exchanger.

Models	A	B	C
PLA-RP35,50AA PLA-RP60,71AA	241	258	80
PLA-RP100,125,140AA2	281	298	84

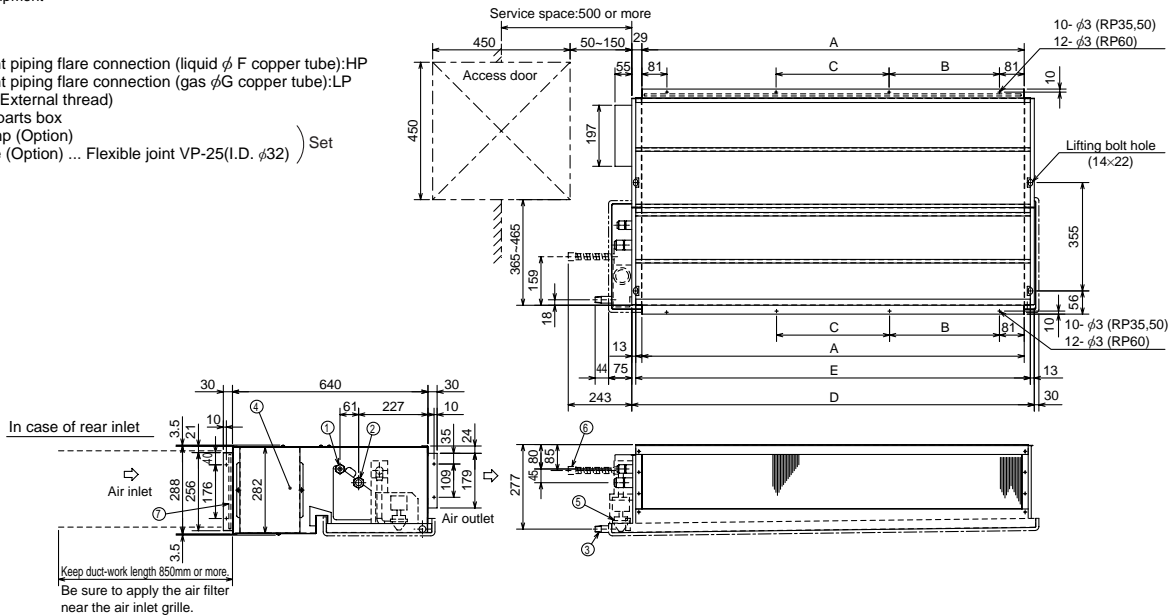
PEAD-RP35EA2
PEAD-RP50EA
PEAD-RP60EA

Unit : mm

Model	A	B	C	D	E	F	G
RP35,50	772	305	-	830	804	R410A Outdoor unit : 6.35 * R407C Outdoor unit : 9.52	R410A Outdoor unit : 12.7 * R407C Outdoor unit : 15.88
RP60	1012	280	290	1070	1044	Outdoor unit (SUZ) : 6.35 R407C Outdoor unit : 9.52 *	15.88

* Setting at shipment

- ① Refrigerant piping flare connection (liquid φ F copper tube):HP
 - ② Refrigerant piping flare connection (gas φG copper tube):LP
 - ③ Drain R1(External thread)
 - ④ Electrical parts box
 - ⑤ Drain Pump (Option)
 - ⑥ Drain Pipe (Option) ... Flexible joint VP-25(I.D. φ32)
 - ⑦ Filter
-) Set

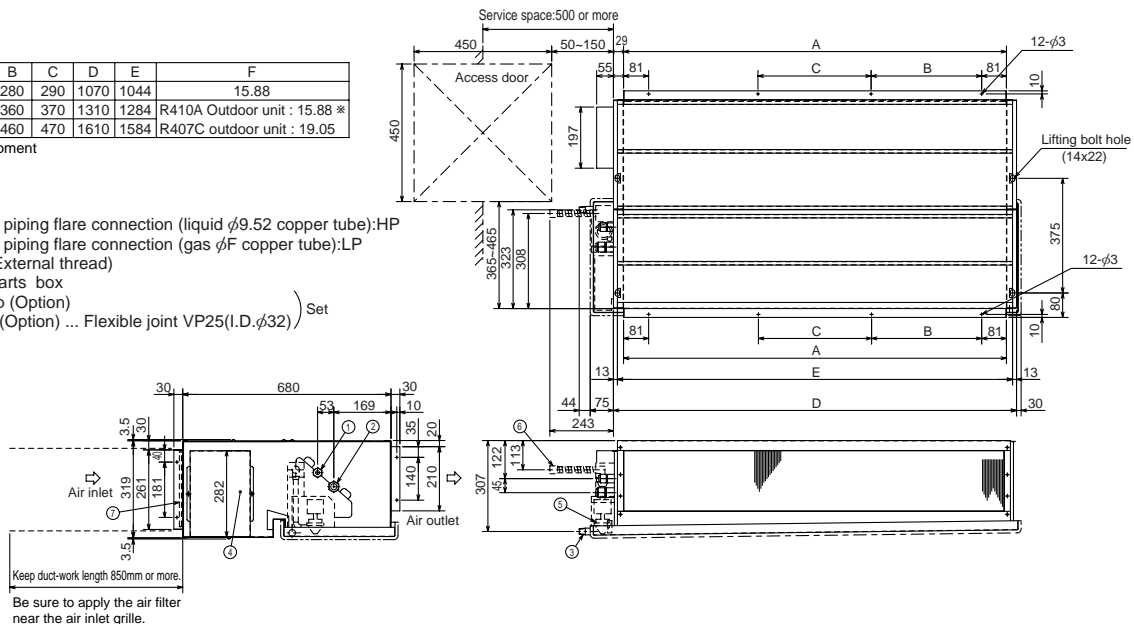


PEAD-RP71EA
PEAD-RP100EA2
PEAD-RP125EA
PEAD-RP140EA

Model	A	B	C	D	E	F
RP71	1012	280	290	1070	1044	15.88
RP100,125	1252	360	370	1310	1284	R410A Outdoor unit : 15.88 * R407C outdoor unit : 19.05
RP140	1552	460	470	1610	1584	

* Setting at shipment

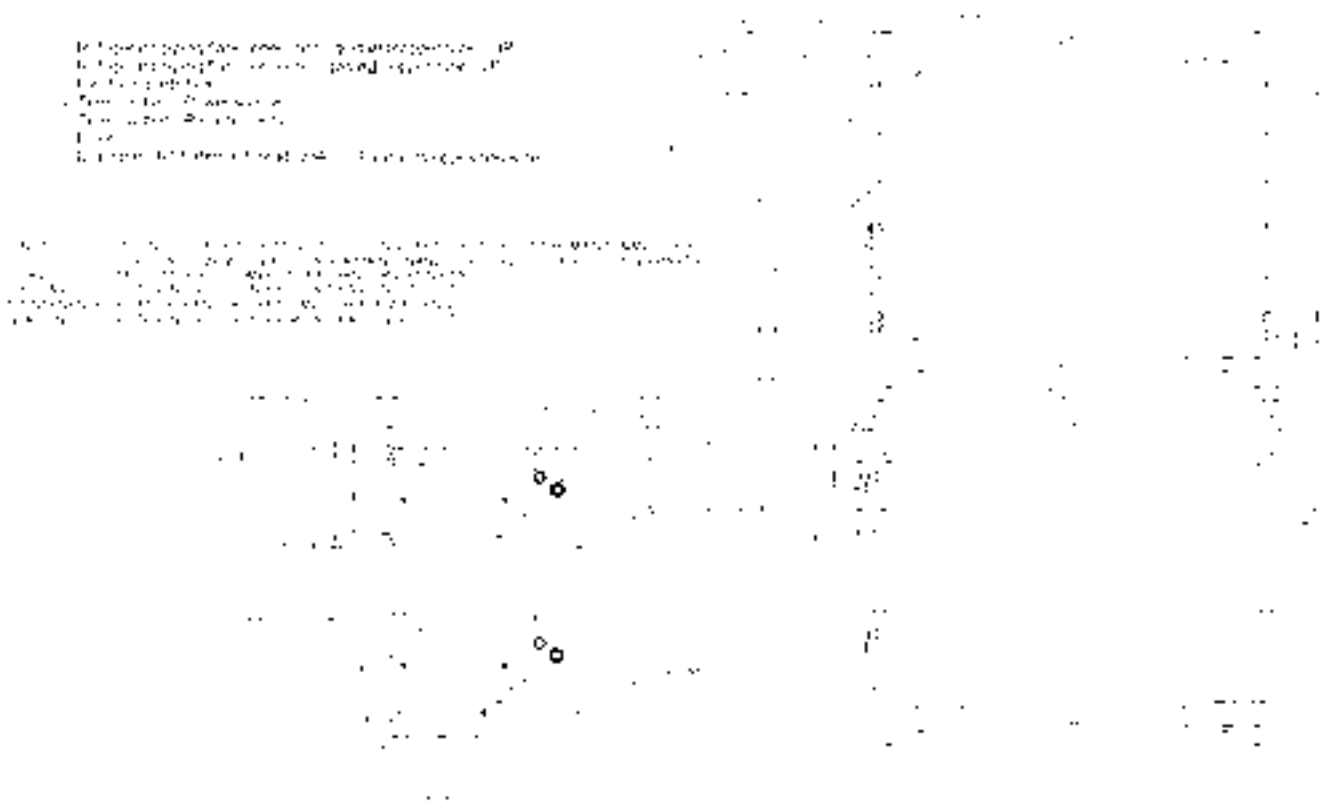
- ① Refrigerant piping flare connection (liquid φ9.52 copper tube):HP
 - ② Refrigerant piping flare connection (gas φF copper tube):LP
 - ③ Drain R1 (External thread)
 - ④ Electrical parts box
 - ⑤ Drain Pump (Option)
 - ⑥ Drain Pipe (Option) ... Flexible joint VP25(I.D.φ32)
 - ⑦ Filter
-) Set





PEAD-RP60GA
PEAD-RP71GA
PEAD-RP100GA

Unit : mm

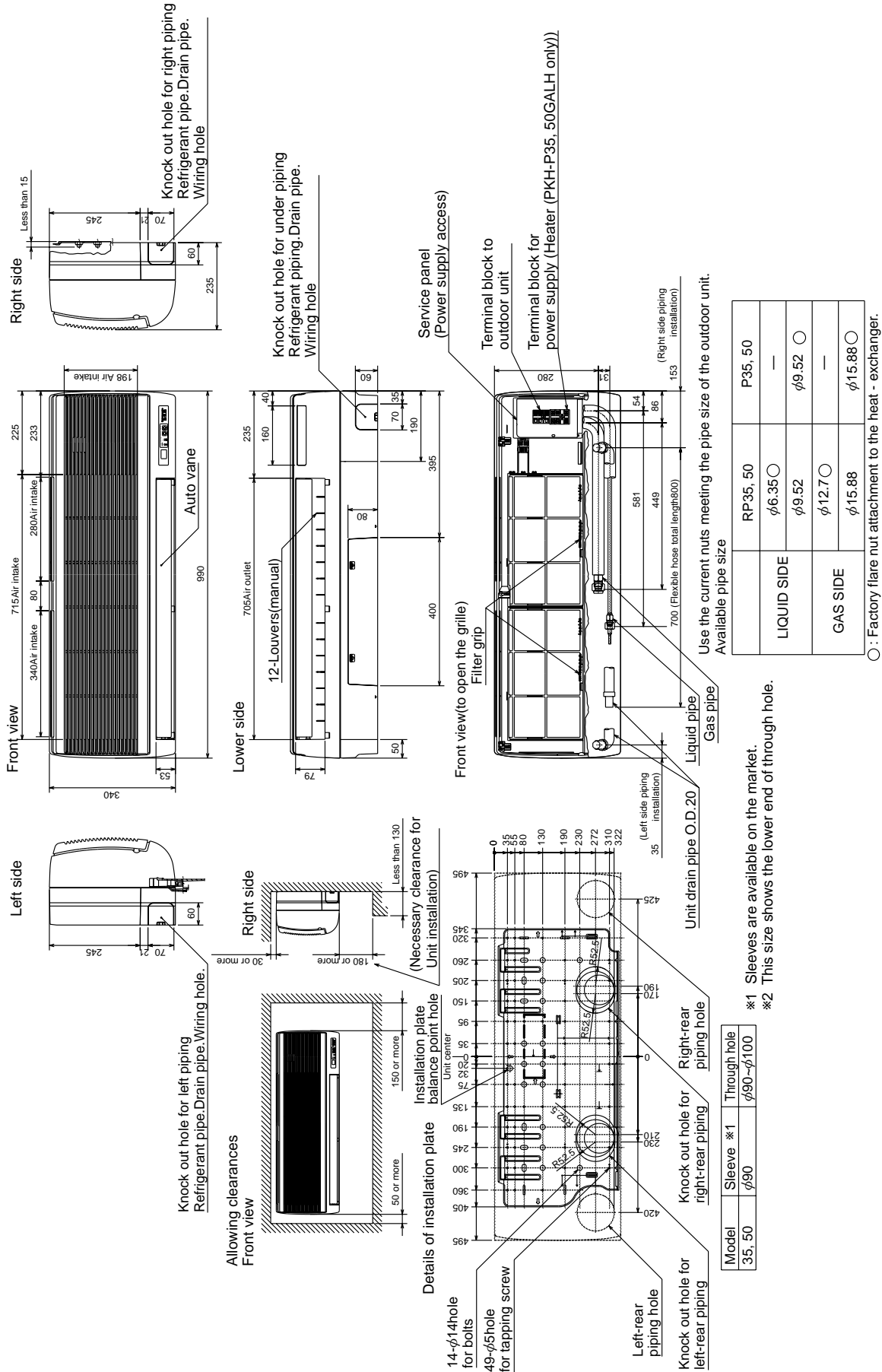


Model	A	B	C	D	E	F	G	H	J
RP60	1125	1090	1050	1012	7	840	8	Outdoor unit(SUZ) : 6.35 Other outdoor unit : 9.52 *	15.88
RP71	1125	1090	1050	1012	7	840	8	9.52	15.88
RP100	1365	1330	1290	1252	9	1080	10	9.52	R410A Outdoor unit : 15.88 * R407C Outdoor unit : 19.05

* Setting at shipment

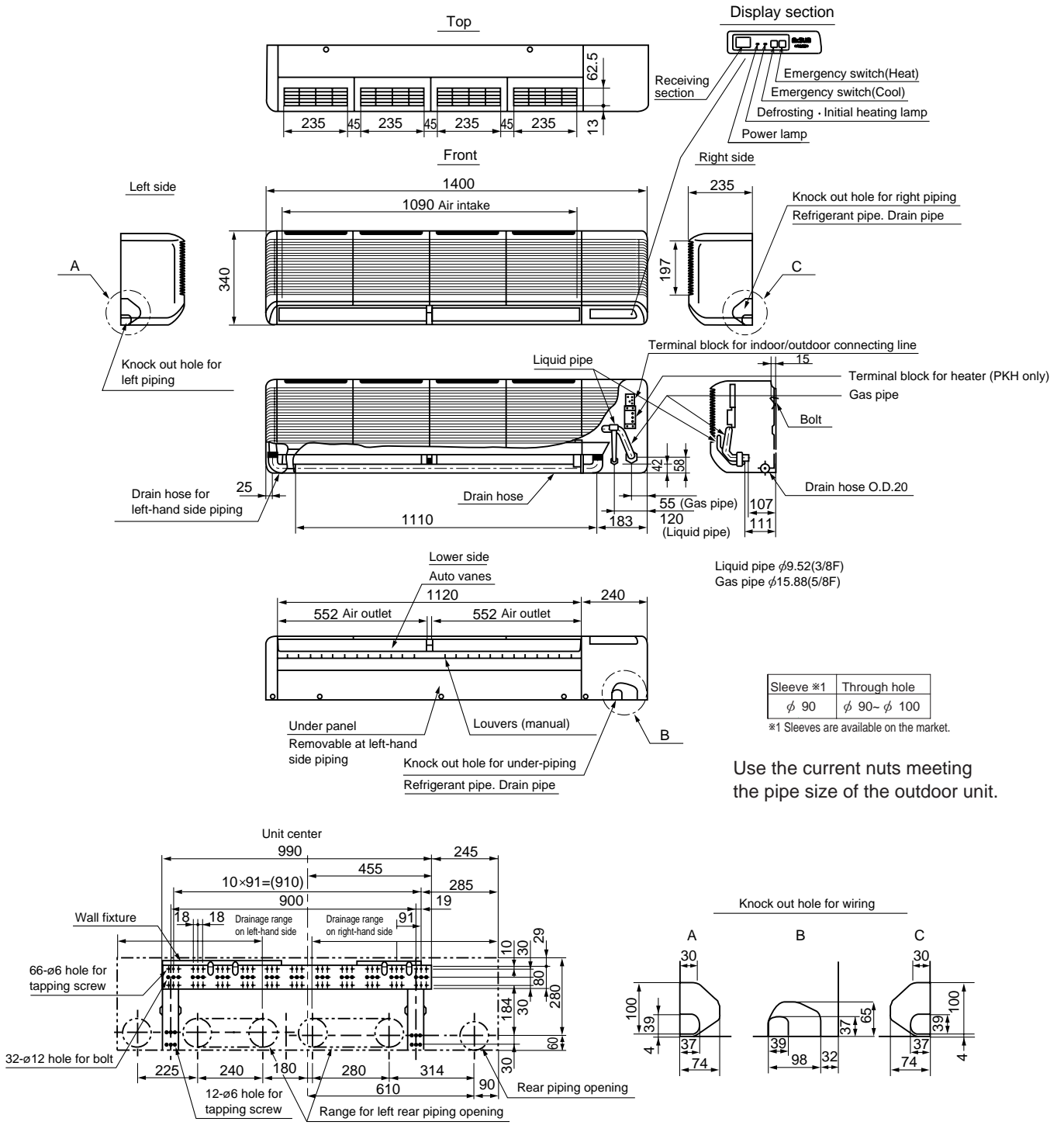
INDOOR UNIT PKA-RP35GAL PKA-RP50GAL

Unit : mm



PKA-RP50FAL2
PKA-RP60FAL
PKA-RP71FAL

Unit : mm



Use the current nuts meeting the pipe size of the outdoor unit.

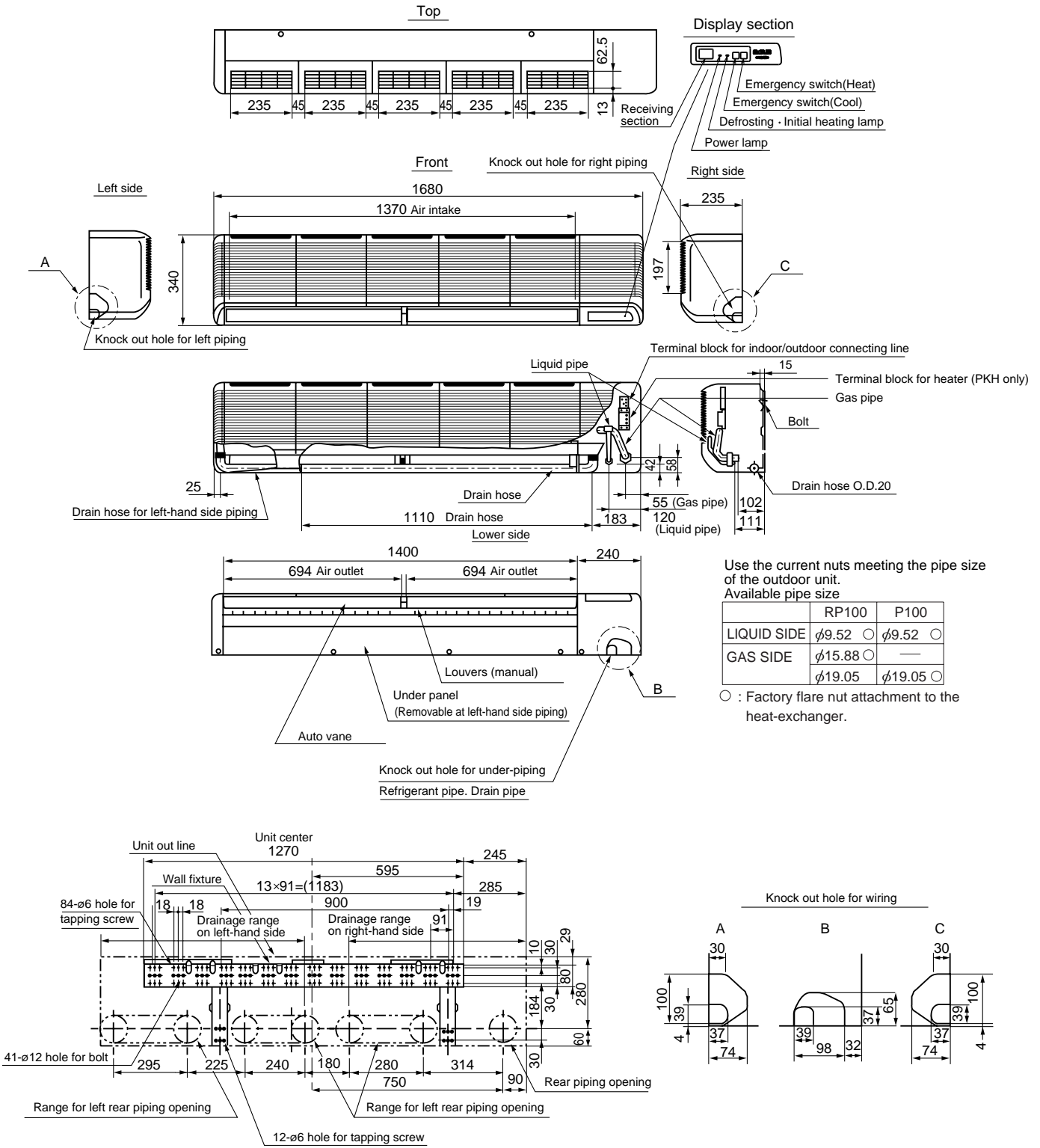
Available pipe size

	RP50	RP60,71 / P60,71
⑤ LIQUID SIDE	φ 6.35 ○	—
	φ 9.52	φ 9.52 ○
⑥ GAS SIDE	φ 12.7 ○	—
	φ 15.88	φ 15.88 ○
	—	—

○: Factory flare nut attachment to the heat-exchanger.

PKA-RP100FAL

Unit : mm

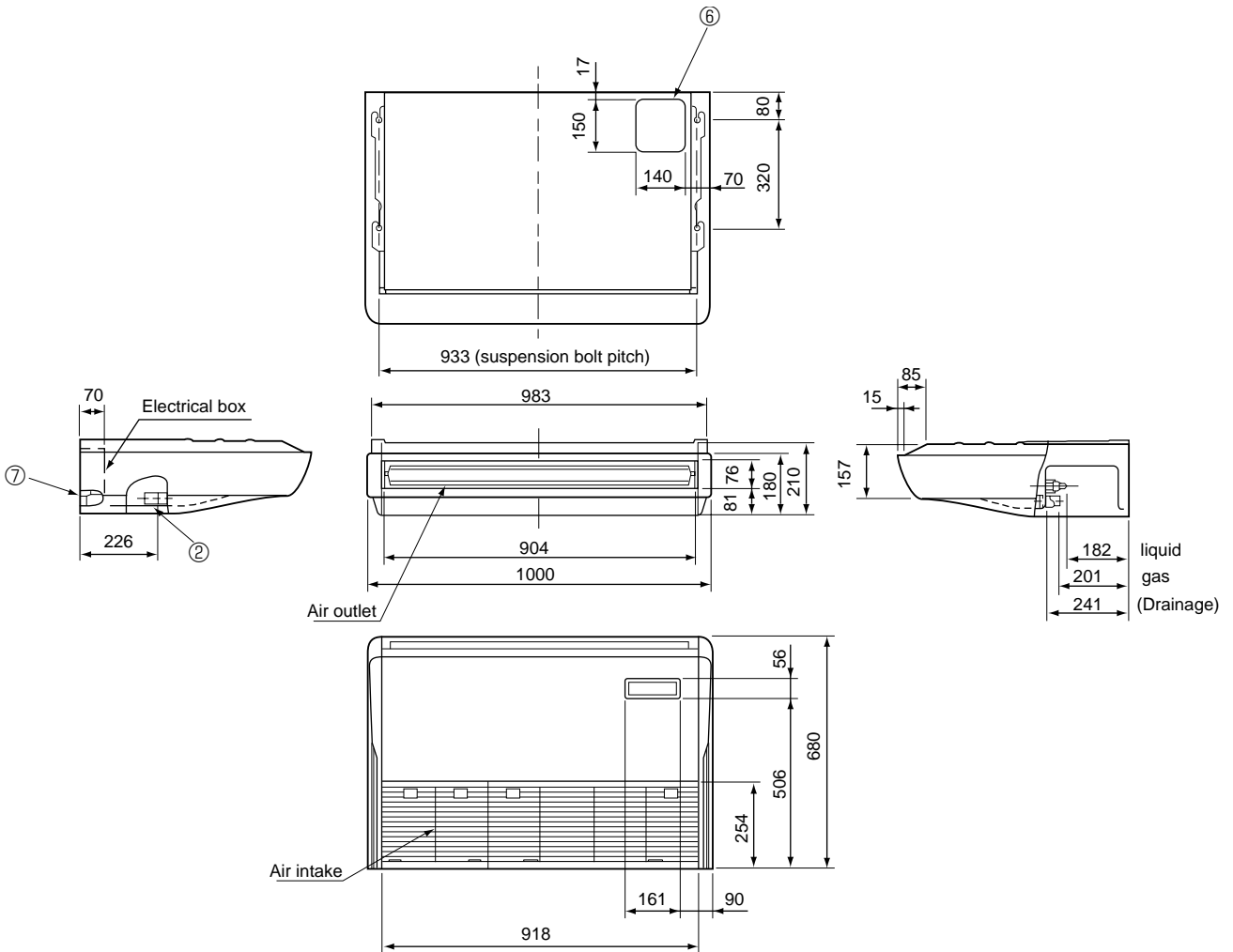


INDOOR UNIT PCA-RP50GA

Unit : mm

NOTES:

1. Use M10 or W3/8 screws for anchor bolt.
2. When optional drain lift-up mechanism is installed, always provide upward piping for refrigerant piping.



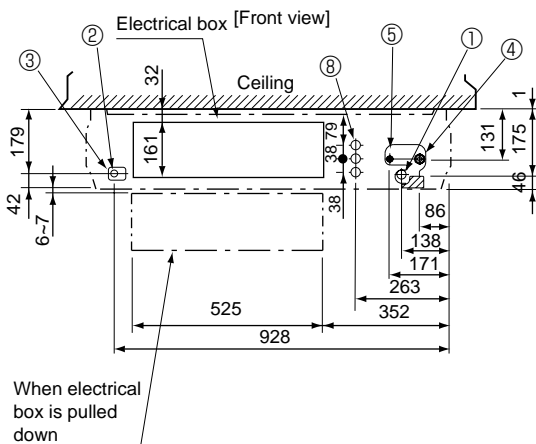
- ① Drainage pipe connection (26mm I.D.)
- ② Drainage pipe connection (for the left arrangement)
- ③ Knock out hole for left drain-piping arrangement
- ④ Refrigerant-pipe connection (gas pipe side/flared connection)
- ⑤ Refrigerant-pipe connection (liquid pipe side/flared connection)
- ⑥ Knock out hole for upper drain pipe arrangement
- ⑦ Knock out hole for left drain pipe arrangement
- ⑧ Knock out hole for wiring arrangement

Use the current nuts meeting the pipe size of the outdoor unit.

Available pipe size

	RP50	P50
⑤ LIQUID SIDE	$\phi 6.35$ ○	—
	$\phi 9.52$	$\phi 9.52$ ○
④ GAS SIDE	$\phi 12.7$ ○	—
	$\phi 15.88$	$\phi 15.88$ ○

○ : Factory flare nut attachment to the heat-exchanger.



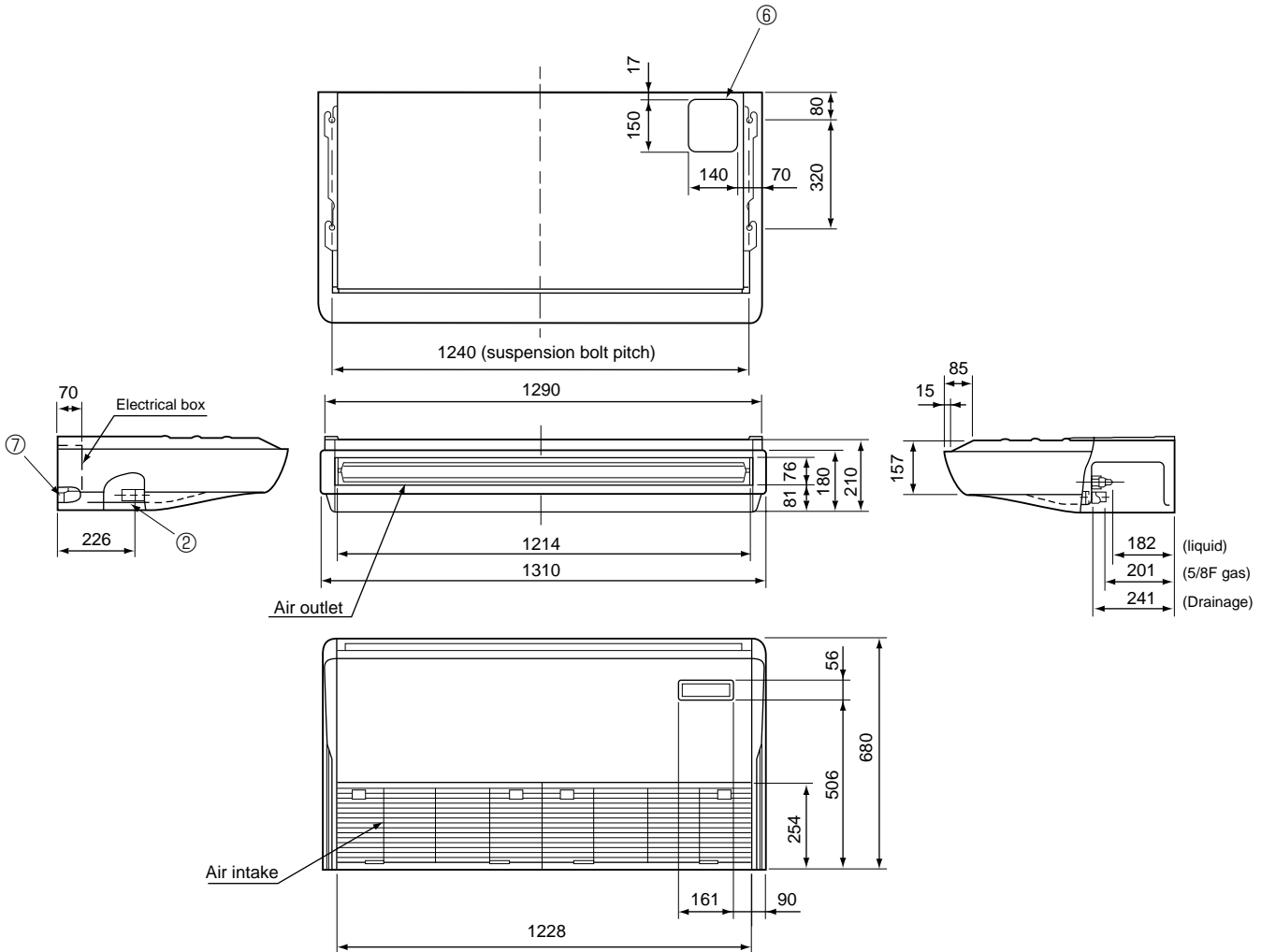
When electrical box is pulled down

**PCA-RP50GA2
PCA-RP60GA
PCA-RP71GA**

Unit : mm

NOTES:

1. Use M10 or W3/8 screws for anchor bolt.
2. When optional drain lift-up mechanism is installed, always provide upward piping for refrigerant piping.



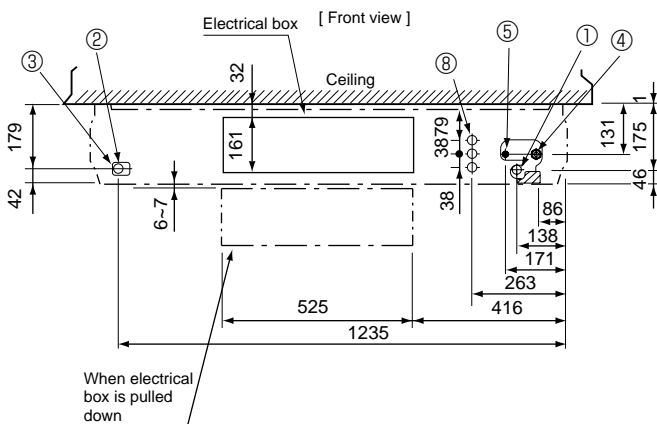
- ① Drainage pipe connection (26mm I.D.)
- ② Drainage pipe connection (for the left arrangement)
- ③ Knock out hole for left drain-piping arrangement
- ④ Refrigerant-pipe connection (gas pipe side/flared connection)
- ⑤ Refrigerant-pipe connection (liquid pipe side/flared connection)
- ⑥ Knock out hole for upper drain pipe arrangement
- ⑦ Knock out hole for left drain pipe arrangement
- ⑧ Knock out hole for wiring arrangement

Use the current nuts meeting the pipe size of the outdoor unit.

Available pipe size

	RP50	RP60	RP71,P60,P71
⑥ LIQUID SIDE	$\phi 6.35$ ○	$\phi 6.35$	—
	$\phi 9.52$	$\phi 9.52$ ○	$\phi 9.52$ ○
④ GAS SIDE	$\phi 12.7$ ○	—	—
	$\phi 15.88$	$\phi 15.88$ ○	$\phi 15.88$ ○
	—	—	—

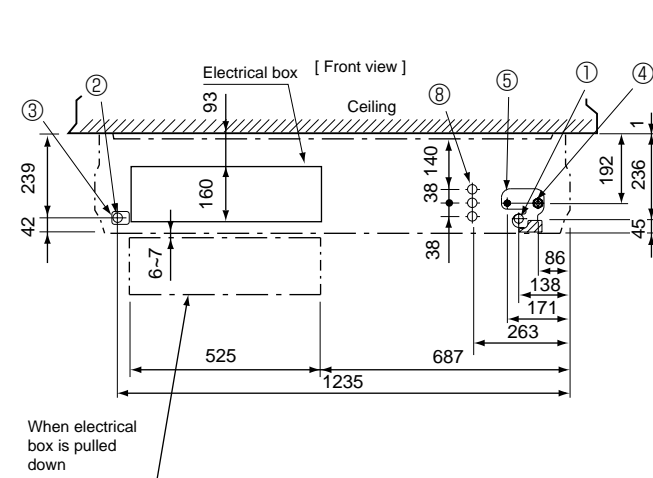
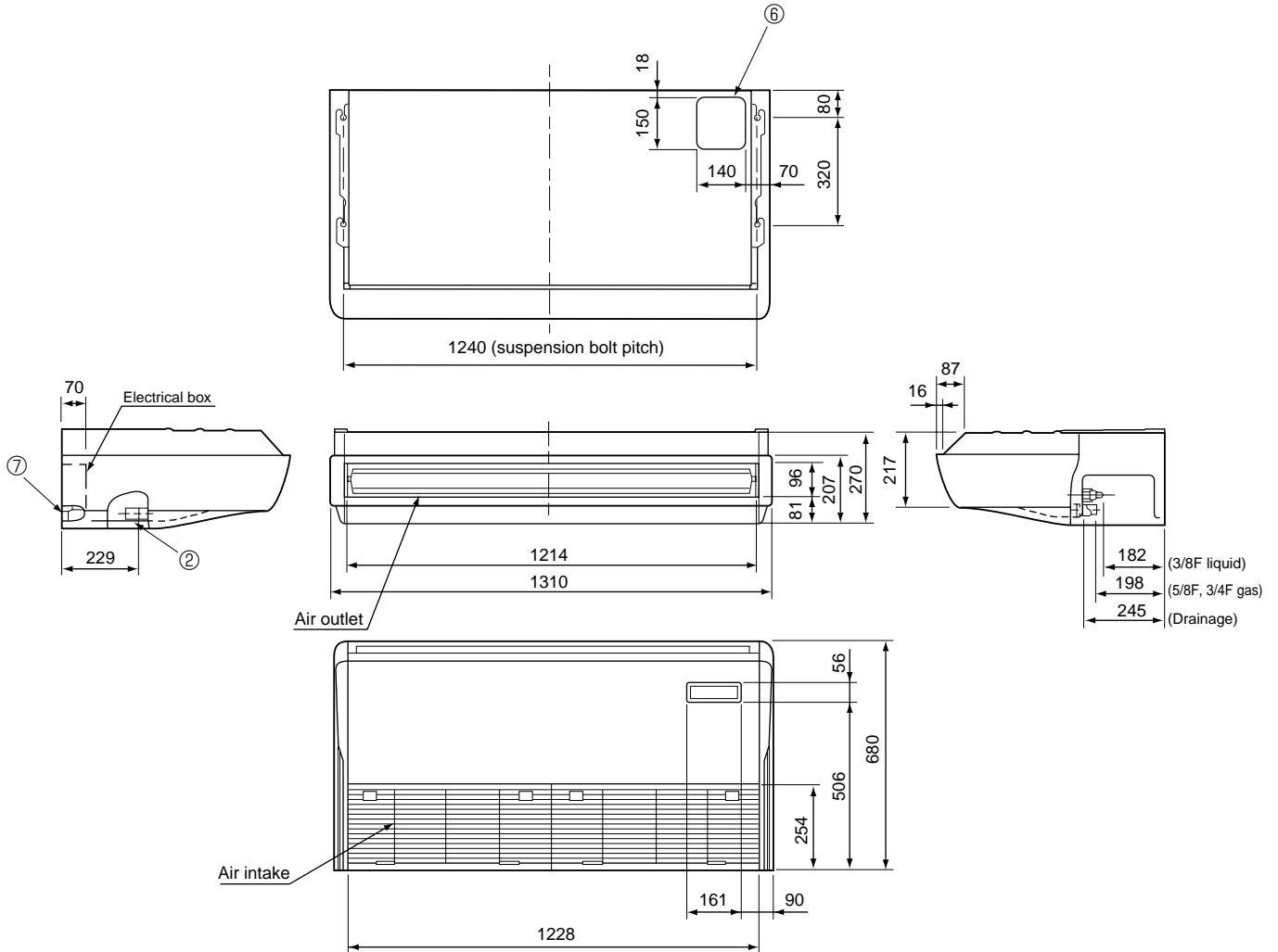
○ : Factory flare nut attachment to the heat-exchanger.



PCA-RP100GA

Unit : mm

- NOTES:
1. Use M10 or W3/8 screws for anchor bolt.
 2. When optional drain lift-up mechanism is installed, always provide upward piping for refrigerant piping.



- ① Drainage pipe connection (26mm I.D.)
- ② Drainage pipe connection (for the left arrangement)
- ③ Knock out hole for left drain-piping arrangement
- ④ Refrigerant-pipe connection (gas pipe side/flared connection)
- ⑤ Refrigerant-pipe connection (liquid pipe side/flared connection)
- ⑥ Knock out hole for upper drain pipe arrangement
- ⑦ Knock out hole for left drain pipe arrangement
- ⑧ Knock out hole for wiring arrangement

Use the current nuts meeting the pipe size of the outdoor unit.

Available pipe size

	RP100	P100
⑤ LIQUID SIDE	—	—
	φ9.52 ○	φ9.52 ○
④ GAS SIDE	—	—
	φ15.88 ○	—
	φ19.05	φ19.05 ○

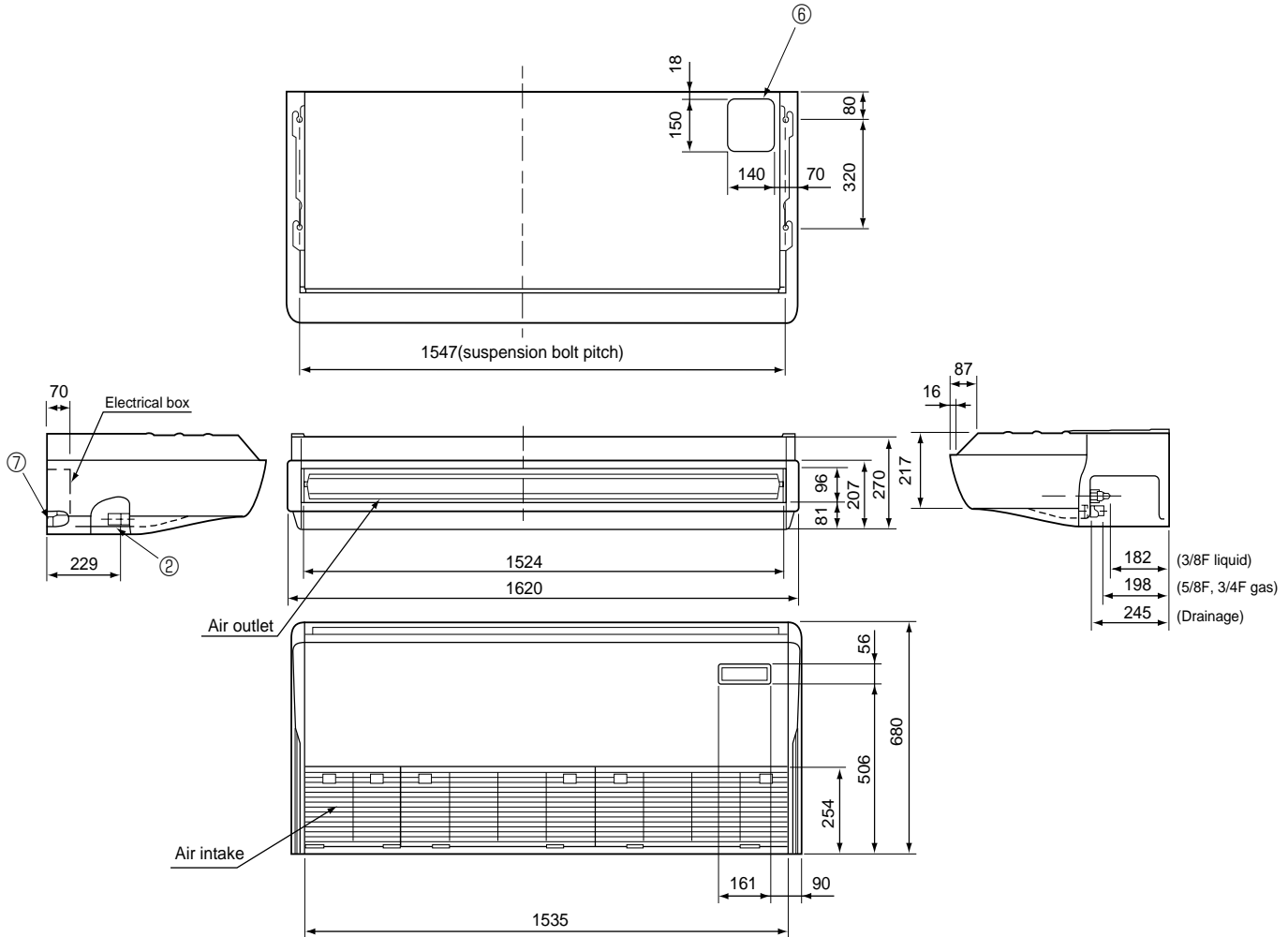
○ :Factory flare nut attachment to the heat-exchanger.

**PCA-RP125GA
PCA-RP140GA**

Unit : mm

NOTES:

1. Use M10 or W3/8 screws for anchor bolt.
2. When optional drain lift-up mechanism is installed, always provide upward piping for refrigerant piping.



- ① Drainage pipe connection (26mm I.D.)
- ② Drainage pipe connection (for the left arrangement)
- ③ Knock out hole for left drain-piping arrangement
- ④ Refrigerant-pipe connection (gas pipe side/flared connection)
- ⑤ Refrigerant-pipe connection (liquid pipe side/flared connection)
- ⑥ Knock out hole for upper drain pipe arrangement
- ⑦ Knock out hole for left drain pipe arrangement
- ⑧ Knock out hole for wiring arrangement

Use the current nuts meeting the pipe size of the outdoor unit.

Available pipe size

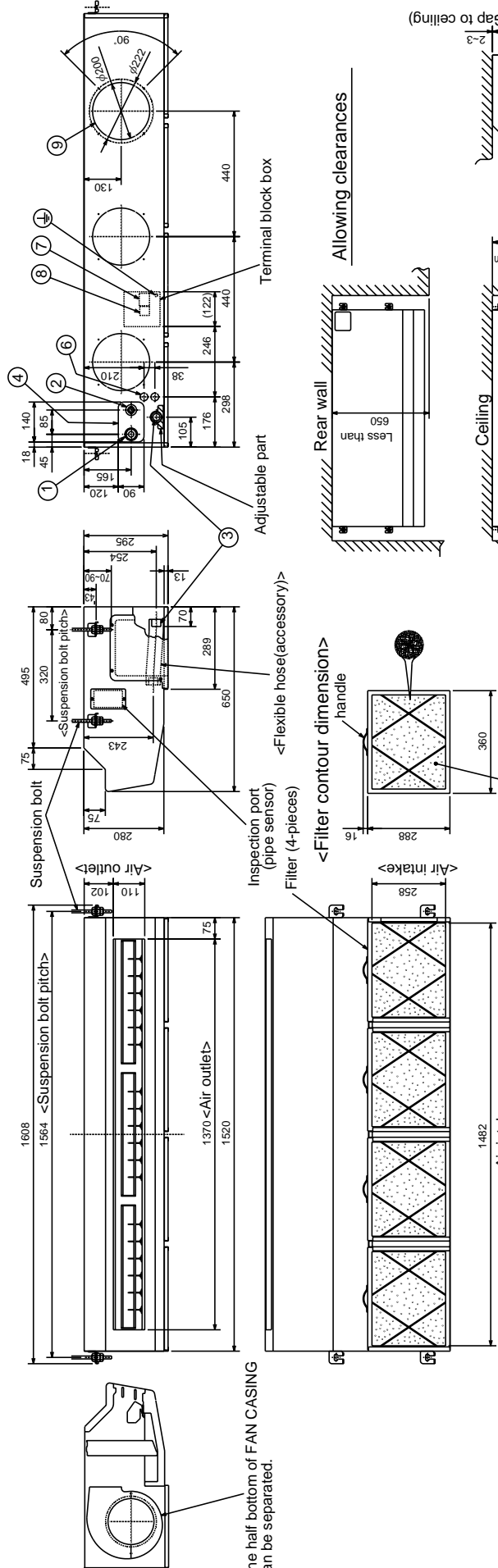
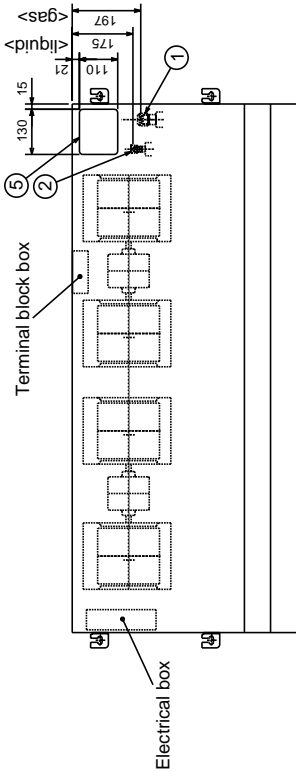
	RP125,140	P125,140
⑤ LIQUID SIDE	—	—
	φ9.52 ○	φ9.52 ○
④ GAS SIDE	—	—
	φ15.88 ○	—
	φ19.05	φ19.05 ○

○ :Factory flare nut attachment to the heat-exchanger.

PCA-RP125HA

Unit : mm

- ① Refrigerant-pipe connection(gas pipe side/flared connection : 5/8F, 3/4F)
- ② Refrigerant-pipe connection(liquid pipe side/flared connection : 3/8F)
- ③ Flexible hose(accessory) Drainage pipe connection(26mm I.D.)
- ④ Knock out hole for behind refrigerant-piping arrangement
- ⑤ Knock out hole for upper refrigerant-pipe arrangement
- ⑥ Knock out hole for wiring arrangement : 2-φ 27
- ⑦ Terminal block(indoor/outdoor connecting line)
- ⑧ Terminal block(remote controller)
- ⑨ Knock out hole (duct for fresh air intake) : 2-φ 200
- ⑩ Option parts:duct flange(φ 200), model: PAC-SF28OF-E(1 pc.)



Filter element for the exchange
model:PAC-SG38KF-E (12pcs.)

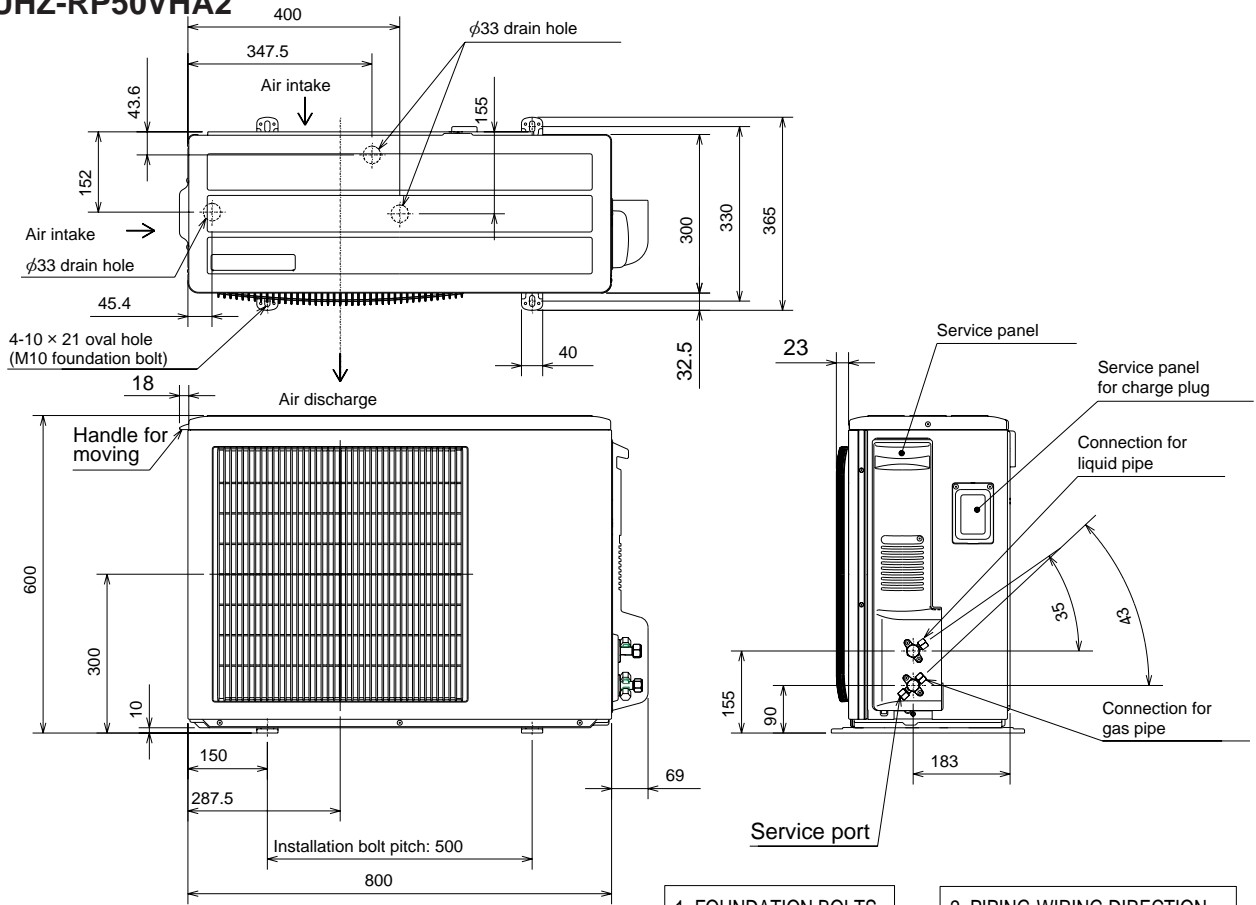
Available pipe size	RP125
② LIQUID SIDE	φ 9.52 ○
① GAS SIDE	φ 15.88 ○
	φ 19.05

○ : Factory flare nut attachment to the heat-exchanger

NOTES:
1. Use M10 or W3/8 screw for anchor bolt.
Use the current nuts meeting the pipe size of the outdoor unit.

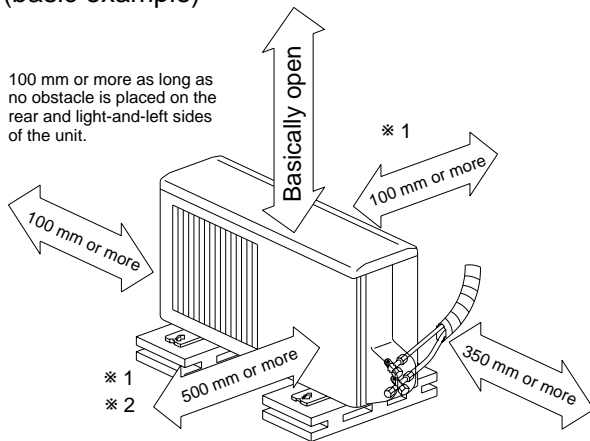
OUTDOOR UNIT
PUHZ-RP35VHA2
PUHZ-RP50VHA2

Unit : mm



Free space around the outdoor unit (basic example)

100 mm or more as long as no obstacle is placed on the rear and light-and-left sides of the unit.



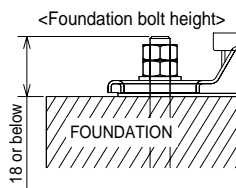
2 sides should be open in the right, left and rear side.

Minimum installation space for outdoor unit

- * 1 In the place where short cycle tends to occur, cooling and heating capacity and power consumption might get lowered 10%. Air outlet guide (optional PAC-SG58SG) will help them improve.
- * 2 If air discharges to the wall, the surface might get stained.

1. FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts, washer and nut must be purchased locally.)



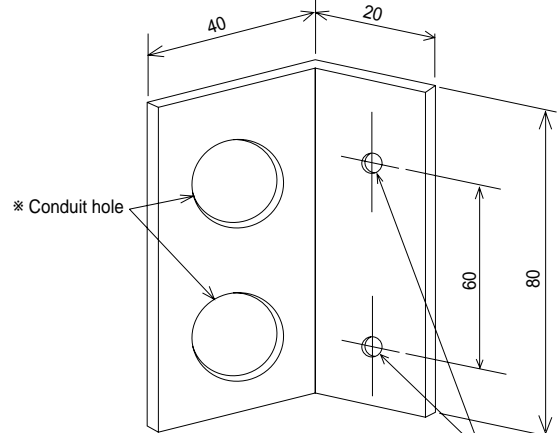
2. PIPING-WIRING DIRECTION

Piping and wiring connection can be made from the rear direction only.

3. ATTACHING THE CONDUIT

In order to attach the conduit, it is necessary to fix the metal plate with 2 screws to the back panel. Procure the metal plate and make screw holes locally. It is recommended to use the metal plate shown below. Align the metal plate to the marks on the unit and attach it.

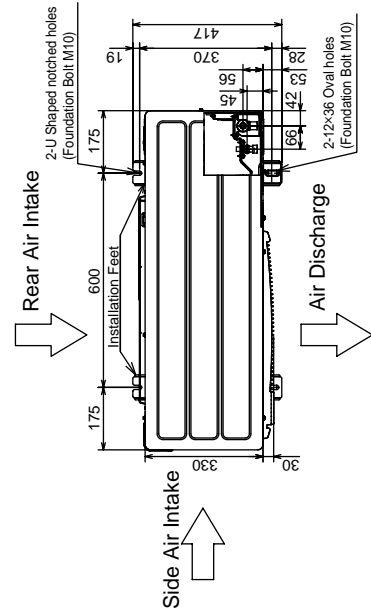
* The position and the size of conduit hole depend on the conduit to be used.



Holes for metal plate fixing screw
 * The size of hole depends on the screw to be used.

PUHZ-RP100VHA2
 PUHZ-RP125VHA2
 PUHZ-RP140VHA2
 PUHZ-RP100YHA2
 PUHZ-RP125YHA2
 PUHZ-RP140YHA2

Unit : mm

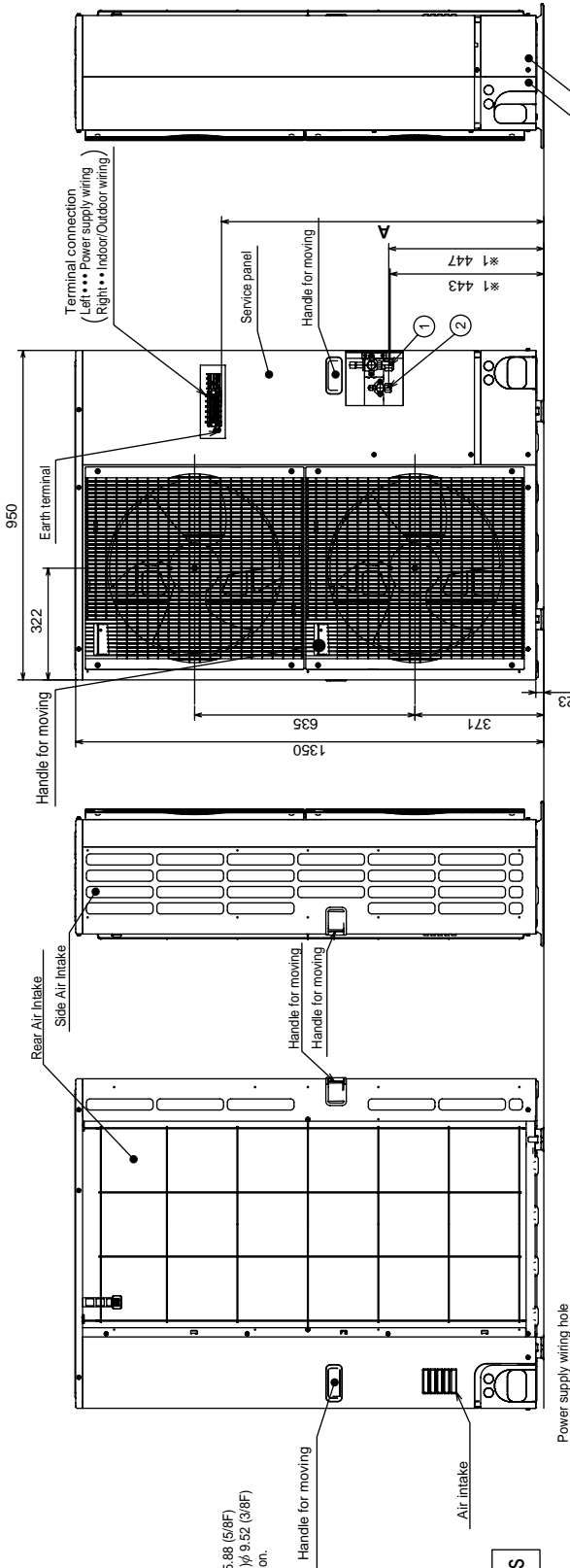


1 FREE SPACE (Around the unit)
 The diagram below shows a basic example. Explanation of particular details are given in the installation manuals etc.

2 SERVICE SPACE
 Dimensions of space needed for service access are shown in the below diagram.

3 FOUNDATION BOLTS
 Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts and washers must be purchased locally.)

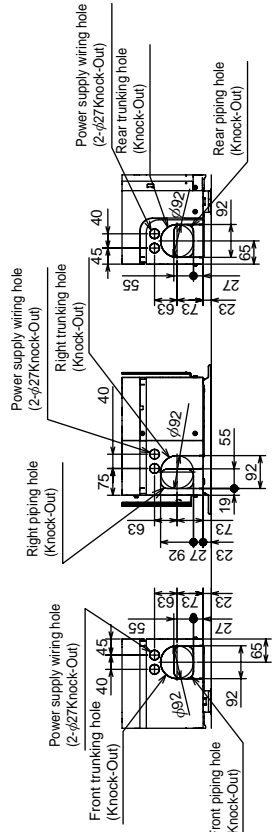
4 PIPING-WIRING DIRECTIONS
 Piping and wiring connections can be made from 4 directions: FRONT, Right, Rear and Below.



Example of Notes

- ①... Refrigerant GAS pipe connection (FLARE)φ15.88 (5/8F)
- ②... Refrigerant LIQUID pipe connection (FLARE)φ9.52 (3/8F)
- *1... Indication of STOP VALVE connection location.

Piping Knock-Out Hole Details

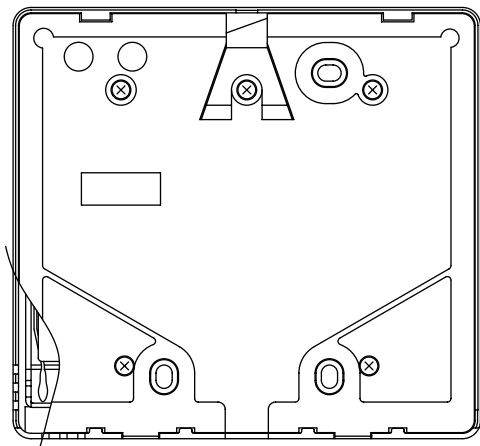
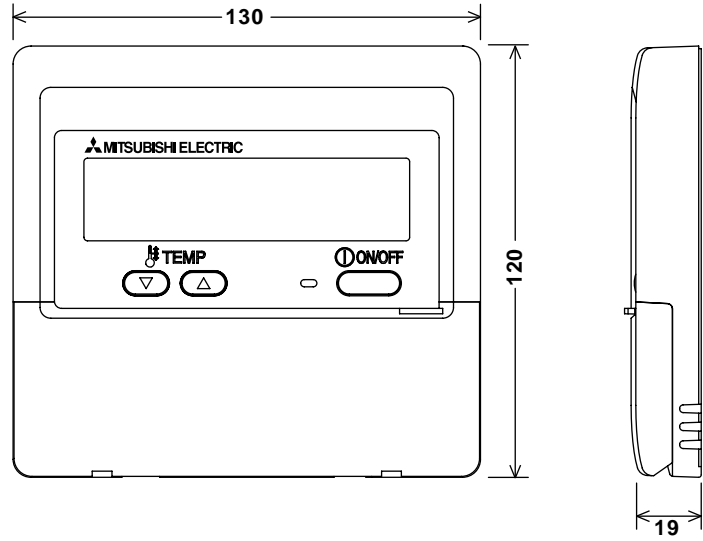


A	
RP-VHA2	1,076
RP-YHA2	930



WIRED REMOTE CONTROLLER

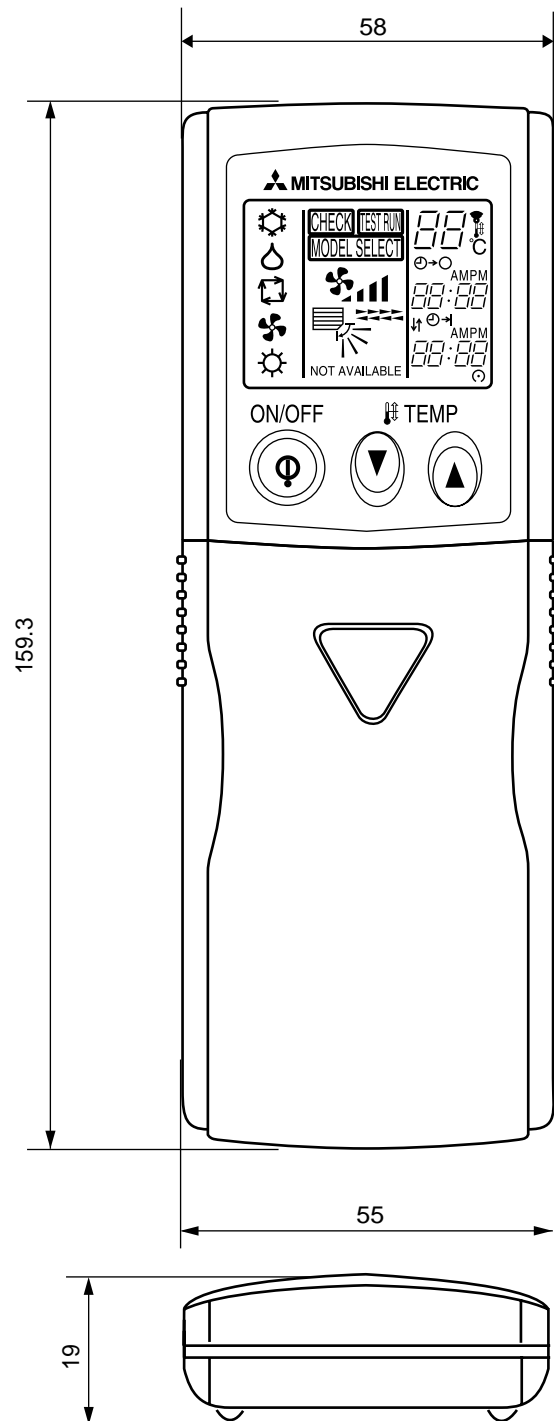
Unit : mm





WIRELESS REMOTE CONTROLLER

Unit : mm



PLA-RP35AA PLA-RP50AA PLA-RP60AA PLA-RP71AA

LEGEND]

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	MF	FAN MOTOR	W.B	WIRELESS REMOTE CONTROLLER BOARD
I.B	INDOOR CONTROLLER BOARD	MV	VANE MOTOR	RU	RECEIVING UNIT
FUSE	FUSE(T6.3AL250V)	H2	DEW PREVENTION HEATER	BZ	BUZZER
ZNR	VARISTOR	DP	DRAIN-UP MACHINE	LED1	LED(RUN INDICATOR)
BCR	FAN CONTROL ELEMENT	DS	DRAIN SENSOR	LED2	LED(HOT ADJUST)
CN2L	CONNECTOR(LOSSNAY)	TB2	TERMINAL BLOCK (INDOOR UNIT POWER(OPTION))	SW1	SWITCH(HEATING ON/OFF)
CN32	CONNECTOR(REMOTE SWITCH)	TB4	TERMINAL BLOCK (INDOOR/ OUTDOOR CONNECTING LINE)	SW2	SWITCH(COOLING ON/OFF)
CN41	CONNECTOR(HA TERMINAL-A)	TB5, TB6	TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)		
CN51	CONNECTOR(CENTRALLY CONTROL)	TH1	ROOM TEMP.THERMISTOR (0°C/15kΩ,25°C/5.4kΩ DETECT)		
LED1	POWER SUPPLY(I.B)	TH2	PIPE TEMP.THERMISTOR/LIQUID (0°C/15kΩ,25°C/5.4kΩ DETECT)		
LED2	POWER SUPPLY(I.B)	TH5	COND./EVA. TEMP. THERMISTOR (0°C/15kΩ,25°C/5.4kΩ DETECT)		
LED3	TRANSMISSION(INDOOR-OUTDOOR)				
X1	RELAY(DRAIN PUMP)				
X4	RELAY(FAN MOTOR)				
SW1	SWITCH(MODEL SELECTION)※ See table 1				
SW2	SWITCH(CAPACITY CORD)※ See table 2				
SWE	CONNECTOR(EMERGENCY OPERATION)				
C	CAPACITOR(FAN MOTOR)	R.B	WIRED REMOTE CONTROLLER BOARD		

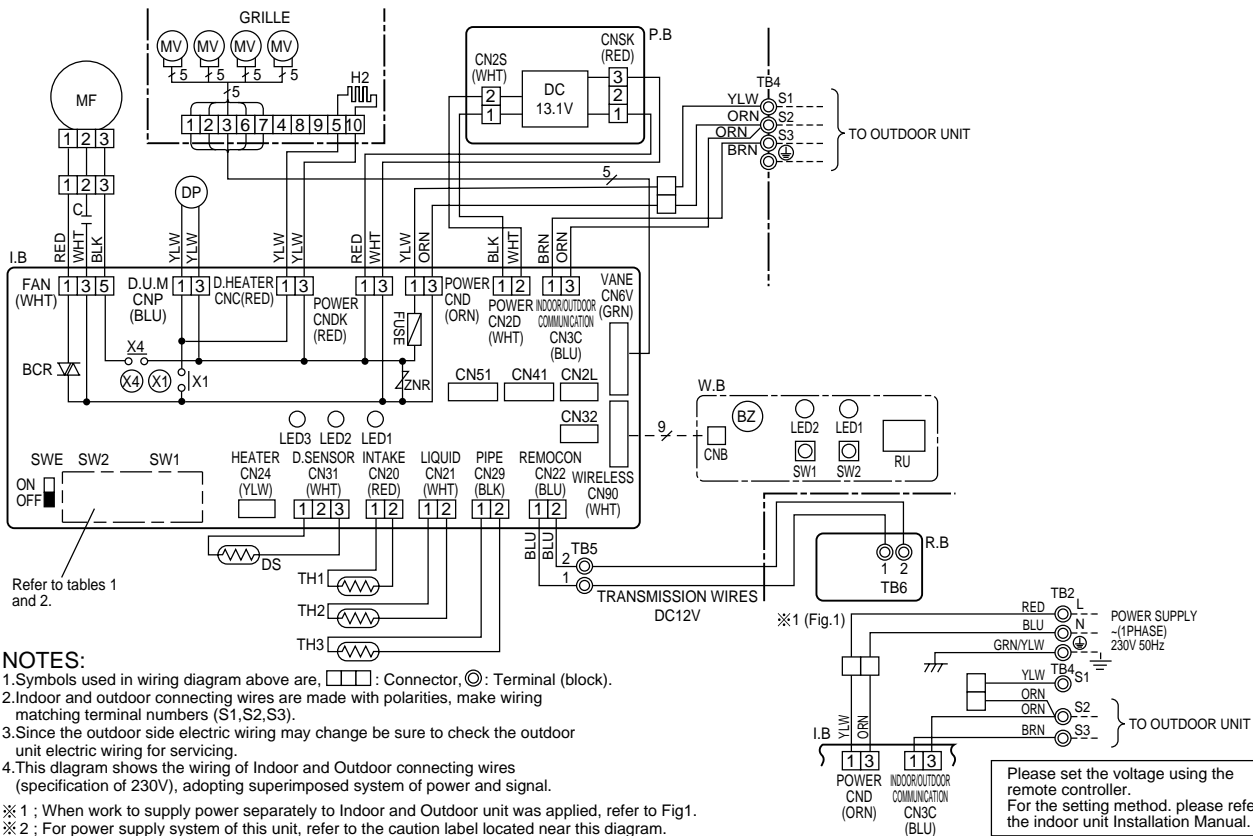


Table 1

MODELS	Service board
PLA-RP. AA	

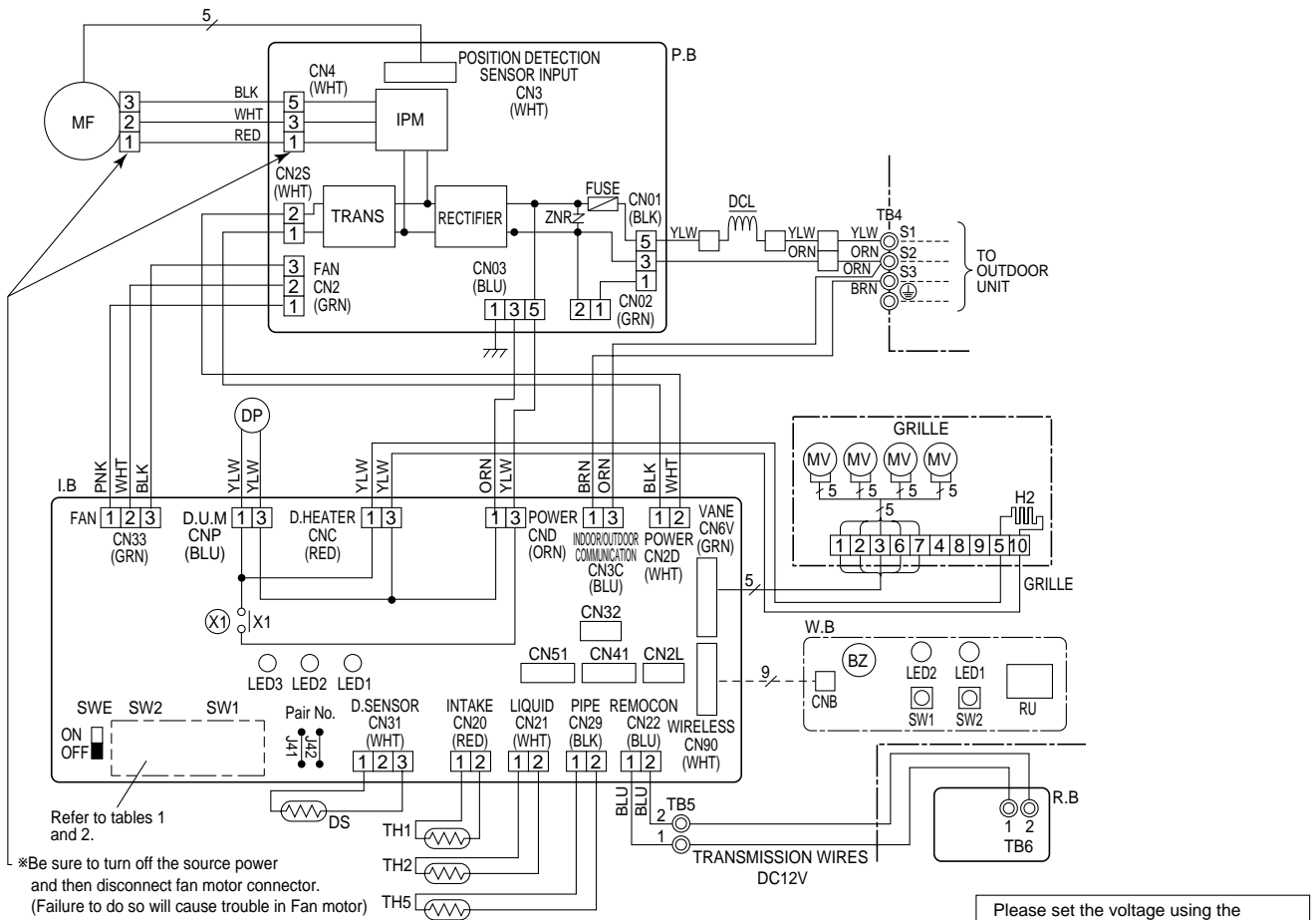
Table 2

MODELS	Service board
PLA-RP35AA	
PLA-RP50AA	
PLA-RP60AA	
PLA-RP71AA	

PLA-RP100AA2 PLA-RP125AA2 PLA-RP140AA2

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	
P.B	INDOOR POWER BOARD	MV	VANE MOTOR	W.B	WIRELESS REMOTE CONTROLLER BOARD	
	FUSE	FUSE(T5AL250V)	H2	DEW PREVENTION HEATER	RU	RECEIVING UNIT
	ZNR	VARISTOR	DP	DRAIN-UP MACHINE	BZ	BUZZER
	IPM	POWER MODULE	DS	DRAIN SENSOR	LED1	LED(RUN INDICATOR)
I.B	INDOOR CONTROLLER BOARD	TB2	TERMINAL BLOCK (Indoor unit Power (option))	LED2	LED(HOT ADJUST)	
	CN2L	CONNECTOR(LOSSNAY)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)	SW1	SWITCH(HEATING ON/OFF)
	CN32	CONNECTOR(REMOTE SWITCH)	TB5, TB6	TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)	SW2	SWITCH(COOLING ON/OFF)
	CN41	CONNECTOR(HA TERMINAL-A)				
	CN51	CONNECTOR(CENTRALLY CONTROL)				
	LED1	POWER SUPPLY(I.B)	DCL	REACTOR		
	LED2	POWER SUPPLY(I.B)	TH1	ROOM TEMP.THERMISTOR (0°C/15kΩ,25°C/5.4kΩ DETECT)		
	LED3	TRANSMISSION(INDOOR-OUTDOOR)	TH2	PIPE TEMP.THERMISTOR/LIQUID (0°C/15kΩ,25°C/5.4kΩ DETECT)		
	X1	RELAY(DRAIN PUMP)	TH5	COND./EVA. TEMP. THERMISTOR (0°C/15kΩ,25°C/5.4kΩ DETECT)		
	SW1	SWITCH(MODEL SELECTION)*See table 1				
	SW2	SWITCH(CAPACITY CORD)*See table 2				
	SWE	CONNECTOR(EMERGENCY OPERATION)				
MF	FAN MOTOR	R.B	WIRED REMOTE CONTROLLER BOARD			



- NOTES: 1. Symbols used in wiring diagram above are, □□□□: Connector, ⊙: Terminal (block).
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires. (specification of 230V), adopting superimposed system of power and signal.
- *1; When work to supply power separately to indoor and outdoor unit was applied, refer to Fig1.
- *2; For power supply system of this unit, refer to the caution label located near this diagram.

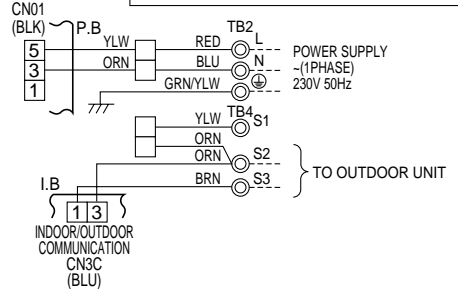
(Table 1) SW1 (MODEL SELECTION)

SW1				
Manufacture/Service				
1	2	3	4	5
ON	OFF	ON	OFF	ON

(Table 2) SW2 (CAPACITY CORD)

SW2			
MODELS	Manufacture/Service	MODELS	Manufacture/Service
PLA-RP100AA2	1 2 3 4 5 ON OFF	PLA-RP140AA2	1 2 3 4 5 ON OFF
PLA-RP125AA2	1 2 3 4 5 ON OFF		

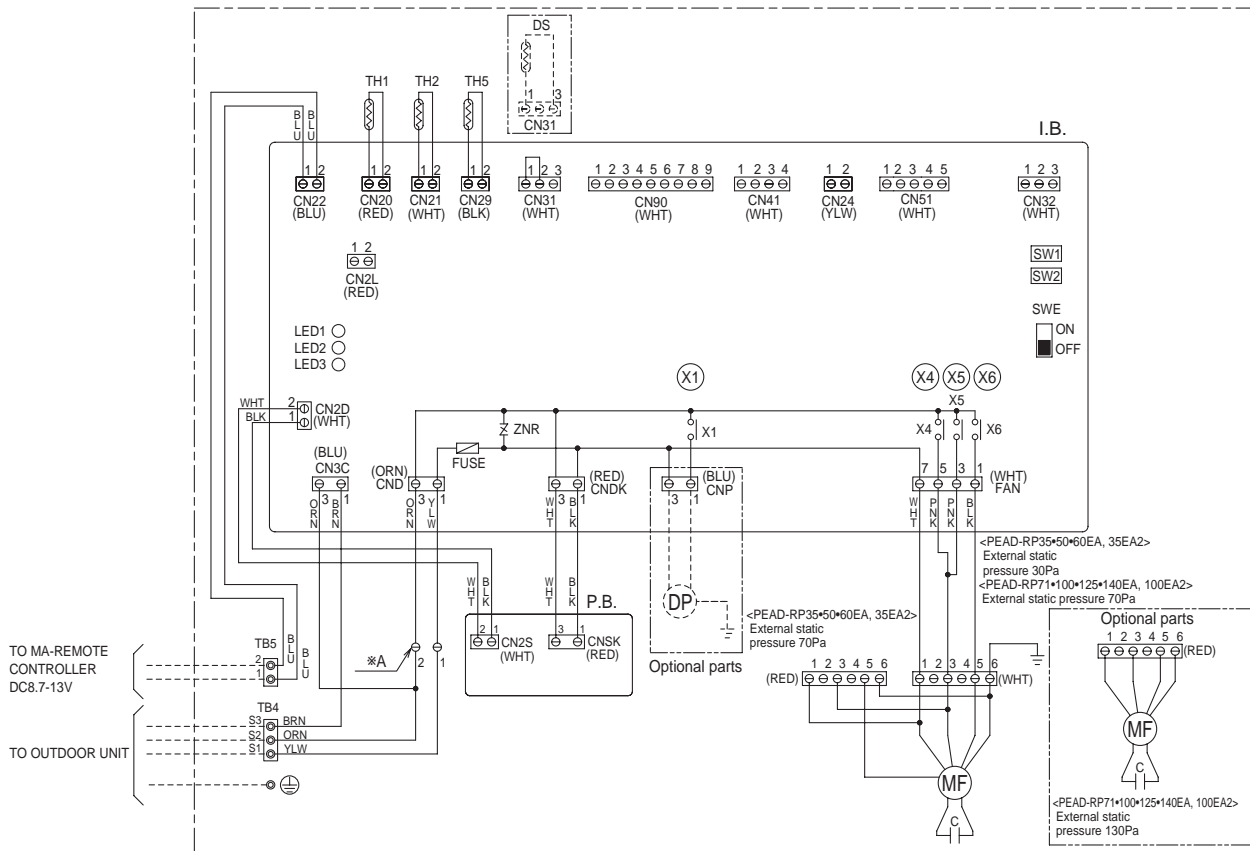
*1 (Fig.1)



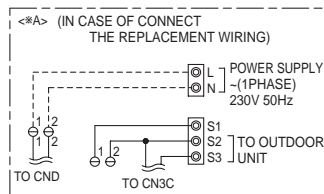
**PEAD-RP35EA2 PEAD-RP50EA PEAD-RP60EA PEAD-RP71EA
PEAD-RP100EA2 PEAD-RP125EA PEAD-RP140EA**

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	INDOOR CONTROLLER BOARD	SW2	SWITCH(CAPACITY CORD)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
FUSE	FUSE(T6.3AL250V)	SWE	SWITCH(EMERGENCY OPERATION)	TB5	TERMINAL BLOCK(REMOTE CONTROLLER)
ZNR	VARISTOR	X1	RELAY(DRAIN PUMP)	TH1	INTAKE AIR TEMP. THERMISTOR (0°C /15kΩ,25°C /5.4kΩ DETECT)
CN2L	CONNECTOR(LOSSNAY)	X4	RELAY(FAN MOTOR)	TH2	PIPE TEMP. THERMISTOR/LIQUID (0°C /15kΩ,25°C /5.4kΩ DETECT)
CN24	CONNECTOR(HEATER)	X5	RELAY(FAN MOTOR)	TH5	COND./EVA. TEMP. THERMISTOR (0°C /15kΩ,25°C /5.4kΩ DETECT)
CN32	CONNECTOR(REMOTE SWITCH)	X6	RELAY(FAN MOTOR)		
CN41	CONNECTOR(HA TERMINAL-A)	P.B.	INDOOR POWER BOARD (OPTIONAL PARTS)		
CN51	CONNECTOR(CENTRALLY CONTROL)	DP	DRAIN PUMP		
CN90	CONNECTOR(WIRELESS)	DS	DRAIN SENSOR		
LED1	POWER SUPPLY(I.B.)	C	CAPACITOR(FAN MOTOR)		
LED2	POWER SUPPLY(REMOTE CONTROLLER)	MF	FAN MOTOR		
LED3	TRANSMISSION(INDOOR+OUTDOOR)				
SW1	SWITCH(MODEL SELECTION)				

INSIDE SECTION OF CONTROL BOX



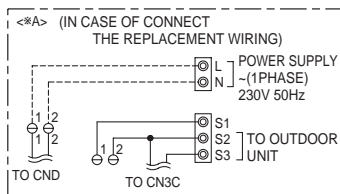
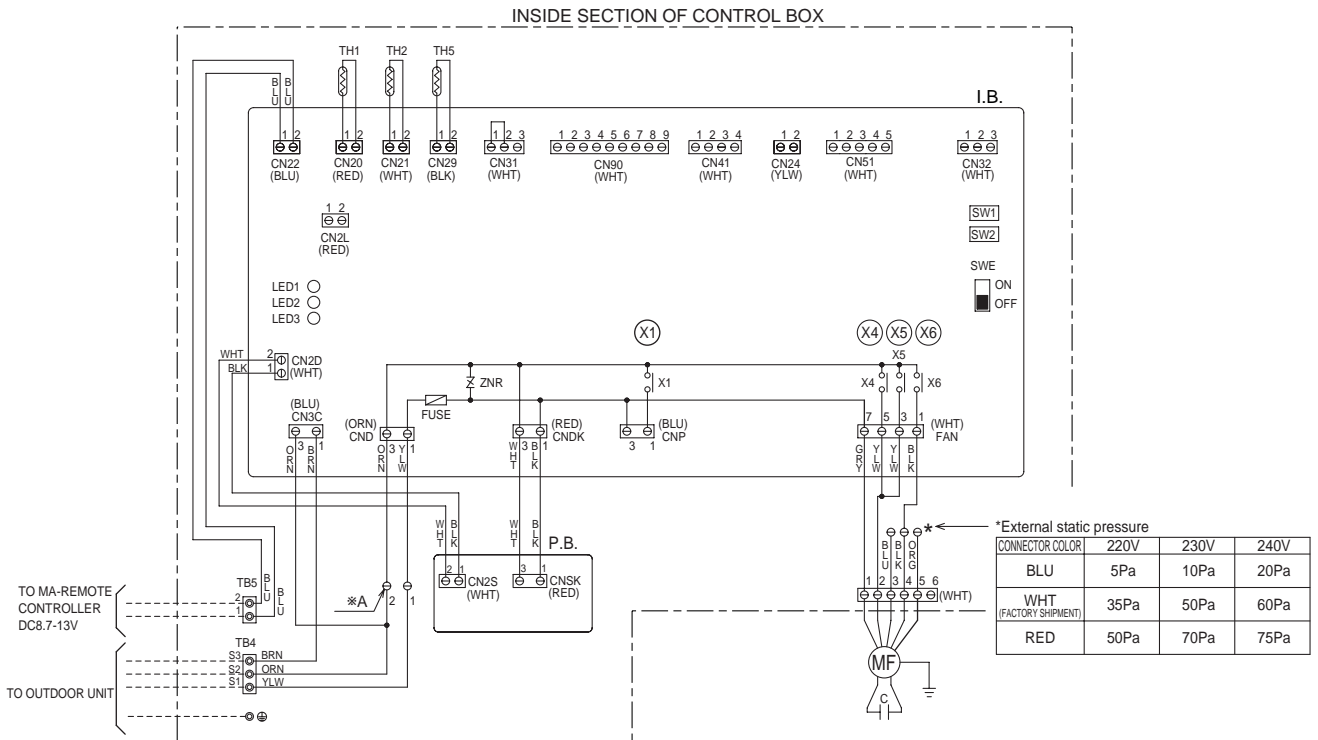
MODELS	SW1 Model selection switch	SW2 Capacity cord switch
35EA(2)	1 2 3 4 5 ON OFF	1 2 3 4 5 ON OFF
50EA	1 2 3 4 5 ON OFF	1 2 3 4 5 ON OFF
60EA	1 2 3 4 5 ON OFF	1 2 3 4 5 ON OFF
71EA	1 2 3 4 5 ON OFF	1 2 3 4 5 ON OFF
100EA(2)	1 2 3 4 5 ON OFF	1 2 3 4 5 ON OFF
125EA	1 2 3 4 5 ON OFF	1 2 3 4 5 ON OFF
140EA	1 2 3 4 5 ON OFF	1 2 3 4 5 ON OFF



- NOTE 1.** SINCE THE OUTDOOR SIDE ELECTRIC WIRING MAY CHANGE BE SURE TO CHECK THE OUTDOOR UNIT ELECTRIC WIRING FOR SERVICING.
- 2.** INDOOR AND OUTDOOR CONNECTING WIRES ARE MADE WITH POLARITIES, MAKE WIRING MATCHING TERMINAL NUMBERS(S1,S2,S3).
- 3.** SYMBOLS USED IN WIRING DIAGRAM ABOVE ARE,
 : CONNECTOR, : TERMINAL.
- 4.** THE WIRING BETWEEN MA-REMOTE CONTROLLER AND TB5 IS INCLUDED IN THE PACKAGE.

PEAD-RP60GA PEAD-RP71GA PEAD-RP100GA

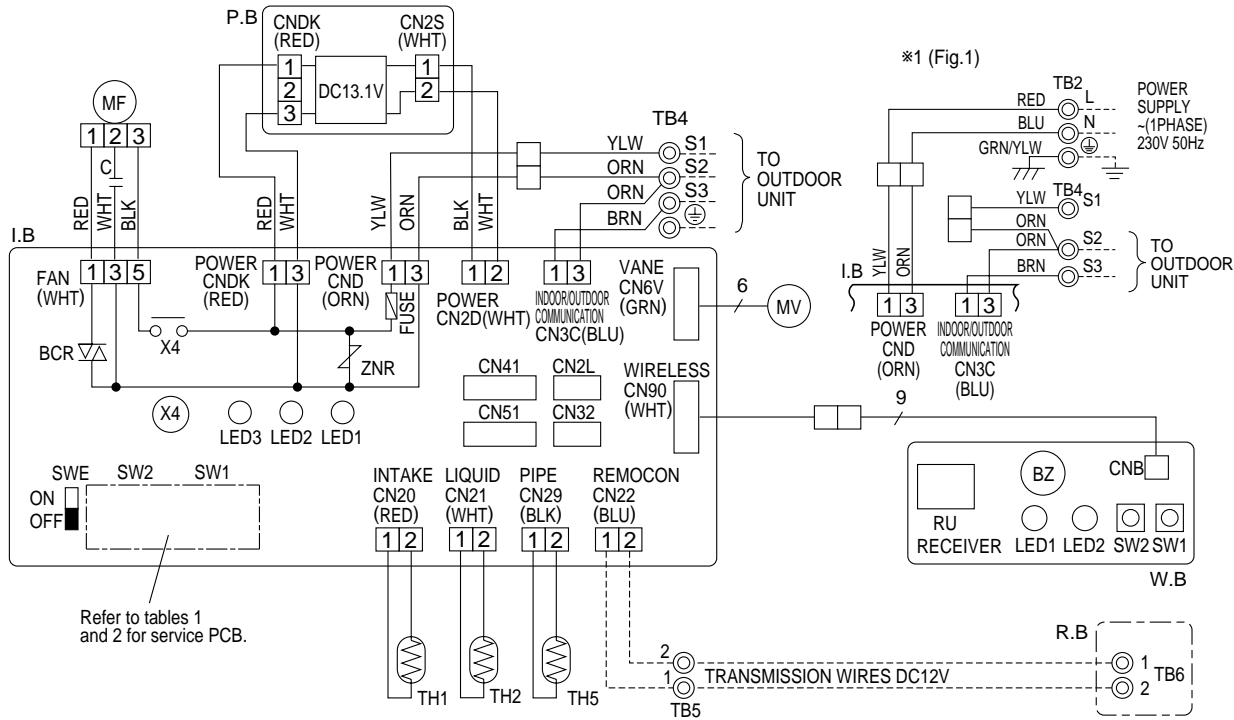
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	INDOOR CONTROLLER BOARD	SW1	SWITCH(MODEL SELECTION)	TB5	TERMINAL BLOCK(REMOTE CONTROLLER)
FUSE	FUSE(T6.3A/250V)	SW2	SWITCH(CAPACITY CORD)	TH1	INTAKE AIR TEMP.THERMISTOR (0°C /15kΩ,25°C/5.4kΩ DETECT)
ZNR	VARISTOR	SWE	SWITCH(EMERGENCY OPERATION)	TH2	PIPE TEMP. THERMISTOR/LIQUID (0°C /15kΩ,25°C/5.4kΩ DETECT)
CN2L	CONNECTOR(LOSSNAY)	X1	RELAY(DRAIN PUMP)	TH5	COND./EVA. TEMP. THERMISTOR (0°C /15kΩ,25°C/5.4kΩ DETECT)
CN24	CONNECTOR(HEATER)	X4	RELAY(FAN MOTOR)		
CN32	CONNECTOR(REMOTE SWITCH)	X5	RELAY(FAN MOTOR)		
CN41	CONNECTOR(HA TERMINAL-A)	X6	RELAY(FAN MOTOR)		
CN51	CONNECTOR(CENTRALLY CONTROL)	P.B.	INDOOR POWER BOARD		
CN90	CONNECTOR(WIRELESS)	C	CAPACITOR(FAN MOTOR)		
LED1	POWER SUPPLY(I.B.)	MF	FAN MOTOR		
LED2	POWER SUPPLY(REMOTE CONTROLLER)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)		
LED3	TRANSMISSION(INDOOR-OUTDOOR)				



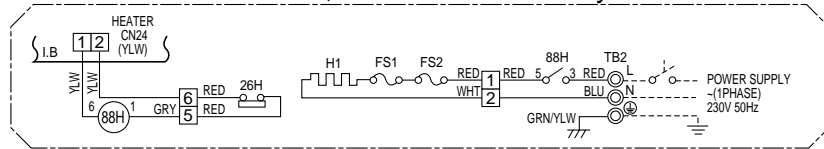
MODELS	SW1	SW2
	Model selection switch	Capacity cord switch
60GA	1 2 3 4 5 ON OFF	1 2 3 4 5 ON OFF
71GA	1 2 3 4 5 ON OFF	1 2 3 4 5 ON OFF
100GA	1 2 3 4 5 ON OFF	1 2 3 4 5 ON OFF

- NOTE 1. SINCE THE OUTDOOR SIDE ELECTRIC WIRING MAY CHANGE BE SURE TO CHECK THE OUTDOOR UNIT ELECTRIC WIRING FOR SERVICING.
2. INDOOR AND OUTDOOR CONNECTING WIRES ARE MADE WITH POLARITIES, MAKE WIRING MATCHING TERMINAL NUMBERS(S1,S2,S3).
3. SYMBOLS USED IN WIRING DIAGRAM ABOVE ARE,
 : CONNECTOR, : TERMINAL.
4. THE WIRING BETWEEN MA-REMOTE CONTROLLER AND TB5 IS INCLUDED IN THE PACKAGE.

PKA-RP35GAL PKA-RP50GAL



PKH-P35,50GALH models only



Please set the voltage using the remote controller.
For the setting method, please refer to the indoor unit Installation Manual.

SW1					SW2											
Service board					MODELS	Service board					MODELS	Service board				
1	2	3	4	5	PKA-RP35GAL	1	2	3	4	5	PKA-RP50GAL	1	2	3	4	5
ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	

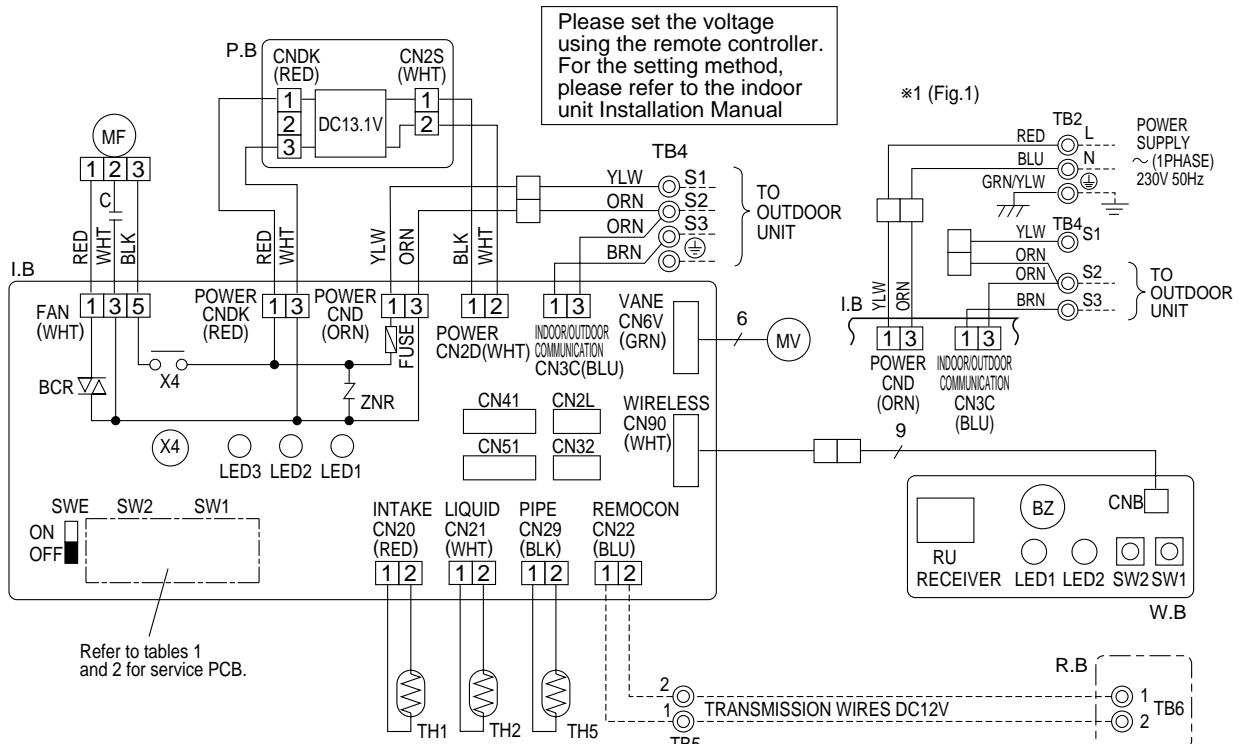
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	C	CAPACITOR <FAN MOTOR>	W.B	WIRELESS REMOTE CONTROLLER BOARD
I.B	INDOOR CONTROLLER BOARD	MF	FAN MOTOR	RU	RECEIVING UNIT
FUSE	FUSE (T6.3AL250V)	MV	VANE MOTOR	BZ	BUZZER
ZNR	VARIATOR	TB2	TERMINAL BLOCK (HEATER) *PKH-P.GALH models only or option for PKA-RP.GAL models.	LED1	LED <RUN INDICATOR>
CN2L	CONNECTOR <LOSSNAY>	TB4	TERMINAL BLOCK <INDOOR/ OUTDOOR CONNECTING LINE>	LED2	LED <HOT ADJUST>
CN32	CONNECTOR <REMOTE SWITCH>	TB5, TB6	TERMINAL BLOCK <REMOTE CONTROLLER TRANSMISSION LINE> <OPTION>	SW1	SWITCH (HEATING ON/ OFF)
CN41	CONNECTOR <HA TERMINAL-A>	TH1	ROOM TEMP.THERMISTOR <0°C/ 15kΩ, 25°C/ 5.4kΩ DETECT>	SW2	SWITCH (COOLING ON/ OFF)
CN51	CONNECTOR <CENTRALLY CONTROL>	TH2	PIPE TEMP.THERMISTOR/ LIQUID <0°C/ 15kΩ, 25°C/ 5.4kΩ DETECT>	R.B	WIRED REMOTE CONTROLLER BOARD
SW1	SWITCH <MODEL SELECTION>*See Table 1.	TH5	COND./ EVA.TEMP.THERMISTOR <0°C/ 15kΩ, 25°C/ 5.4kΩ DETECT>	HEATER	
SW2	SWITCH <CAPACITY CODE>*See Table 2.			FS1	THERMAL FUSE <104°C 10A>
SWE	SWITCH <EMERGENCY OPERATION>			FS2	THERMAL FUSE <84°C 10A>
X4	RELAY <FAN MOTOR>			H1	HEATER
BCR	FAN CONTROL ELEMENT			26H	HEATER THERMAL SWITCH
LED1	POWER SUPPLY <I.B.>			88H	HEATER CONTACTOR
LED2	POWER SUPPLY <R.B.>				
LED3	TRANSMISSION <INDOOR-OUTDOOR>				

NOTES:

- Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
- Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
- Make sure that the main power supply of the booster heater is independent.
- Symbols used in wiring diagram above are, □□□ : Connector, ⊙ : Terminal (block).
 - *1. When work to supply power separately to Indoor and Outdoor unit was applied, refer to Fig 1.
 - *2. For power supply system of this unit, refer to the caution label located near this diagram.

PKA-RP50FAL2 PKA-RP60FAL PKA-RP71FAL PKA-RP100FAL

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	C	CAPACITOR(FAN MOTOR)	W.B	WIRELESS REMOTE CONTROLLER BOARD
I.B	INDOOR CONTROLLER BOARD	MF	FAN MOTOR	RU	RECEIVING UNIT
FUSE	FUSE(T6.3AL250V)	MV	VANE MOTOR	BZ	BUZZER
ZNR	VARISTOR	TB2	TERMINAL BLOCK (HEATER) *PKH-P.FALH models only or option for PKA-RP.FAL(2) models.	LED1	LED(RUN INDICATOR)
CN2L	CONNECTOR(LOSSNAY)	TB4	TERMINAL BLOCK(INDOOR/OUTDOOR CONNECTING LINE)	LED2	LED(HOT ADJUST)
CN32	CONNECTOR(REMOTE SWITCH)	TB5	TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)(OPTION)	SW1	SWITCH(HEATING ON/OFF)
CN41	CONNECTOR(HA TERMINAL-A)	TH1	ROOM TEMP.THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)	SW2	SWITCH(COOLING ON/OFF)
CN51	CONNECTOR(CENTRALLY CONTROL)	TH2	PIPE TEMP.THERMISTOR/LIQUID (0°C/15kΩ, 25°C/5.4kΩ DETECT)	R.B	WIREDREMOTE CONTROLLER BOARD(OPTION)
SW1	SWITCH (MODEL SELECTION) *See Table 1.	TH5	COND./EVA.TEMP.THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)	TB6	TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)
SW2	SWITCH (CAPACITY CODE) *See Table 2.			HEATER	
SWE	SWITCH(EMERGENCY OPERATION)			FS1,2	THERMAL FUSE(117°C 10A:60,71FALH/ 117°C 16A:100FALH)
X4	RELAY(FAN MOTOR)			H1	HEATER
BCR	FAN CONTROL ELEMENT			26H	HEATER THERMAL SWITCH
LED1	POWER SUPPLY(I.B)			88H	HEATER CONTACTOR
LED2	POWER SUPPLY(R.B)				
LED3	TRANSMISSION(INDOOR-OUTDOOR)				



Refer to tables 1 and 2 for service PCB.

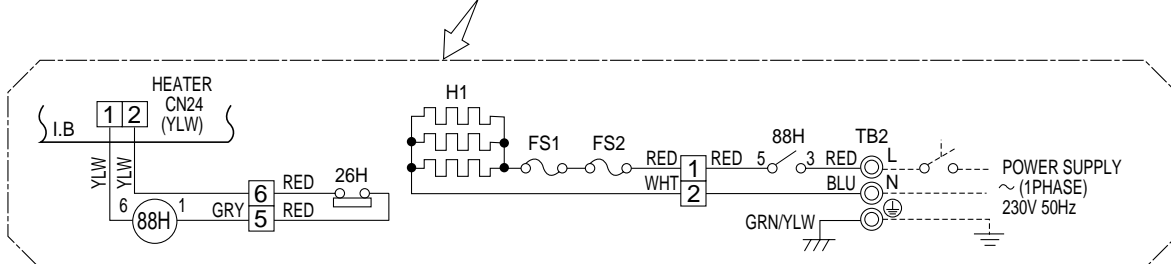
Table 1

SW1				
Service board				
1	2	3	4	5
ON	OFF	ON	OFF	ON

Table 2

SW2											
MODELS		Service board		MODELS		Service board		MODELS		Service board	
PKA-RP60FAL	PKH-P60FALH	PKA-RP71FAL	PKH-P71FALH	PKA-RP100FAL	PKH-P100FALH	1	2	3	4	5	ON
PKA-RP50FAL2						ON	OFF	ON	OFF	ON	OFF

PKH-P60 ~ P100FALH models only



NOTES:

- Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
 - Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
 - Make sure that the main power supply of the booster heater is independent.
 - Symbols used in wiring diagram above are, □: Connector, ⊙: Terminal (block).
- *1. When work to supply power separately to Indoor and Outdoor unit was applied, refer to Fig 1.
 *2. For power supply system of this unit, refer to the caution label located near this diagram.

PCA-RP50GA2 PCA-RP50GA PCA-RP60GA PCA-RP71GA
PCA-RP100GA PCA-RP125GA PCA-RP140GA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	MF	FAN MOTOR	W.B	WIRELESS REMOTE CONTROLLER BOARD(OPTION)
I.B	INDOOR CONTROLLER BOARD	MV	VANE MOTOR	RU	RECEIVING UNIT
FUSE	FUSE (T6.3AL250V)	DP	DRAIN-UP MACHINE (OPTION)	BZ	BUZZER
ZNR	VARISTOR	DS	DRAIN SENSOR (OPTION)	LED1	LED(RUN INDICATOR)
CN2L	CONNECTOR(LOSSNAY)	TB2	TERMINAL BLOCK (HEATER) *PCH-P.GAH models only or option for PCA.RP.GA(2) models.	LED2	LED(HOT ADJUST)
CN32	CONNECTOR(REMOTE SWITCH)	TB4	TERMINAL BLOCK(INDOOR/OUTDOOR CONNECTING LINE)	SW1	SWITCH(HEATING ON/OFF)
CN41	CONNECTOR(HA TERMINAL-A)	TB5,TB6	TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)	SW2	SWITCH(COOLING ON/OFF)
CN51	CONNECTOR(CENTRALLY CONTROL)	TH1	ROOM TEMP.THERMISTOR (0℃/15kΩ, 25℃/5.4kΩ DETECT)	HEATER	
SW1	SWITCH (MODEL SELECTION) *See Table 1.	TH2	PIPE TEMP.THERMISTOR/LIQUID (0℃/15kΩ, 25℃/5.4kΩ DETECT)	FS1,2	THERMAL FUSE(98℃10A:50GAH/117℃16A:100GAH 110℃16A:60,71,125,140GAH)
SW2	SWITCH (CAPACITY CODE) *See Table 2.	TH5	COND./EVA.TEMP.THERMISTOR (0℃/15kΩ, 25℃/5.4kΩ DETECT)	H1	HEATER
SWE	SWITCH(EMERGENCY OPERATION)	R.B	WIRED REMOTE CONTROLLER BOARD	26H	HEATER THERMAL SWITCH
X1	RELAY(DRAIN PUMP)			88H	HEATER CONTACTOR
X4	RELAY(FAN MOTOR)				
BCR	FAN CONTROL ELEMENT				
LED1	POWER SUPPLY(I.B)				
LED2	POWER SUPPLY(I.R.B)				
LED3	TRANSMISSION(INDOOR-OUTDOOR)				
C	CAPACITOR(FAN MOTOR)				

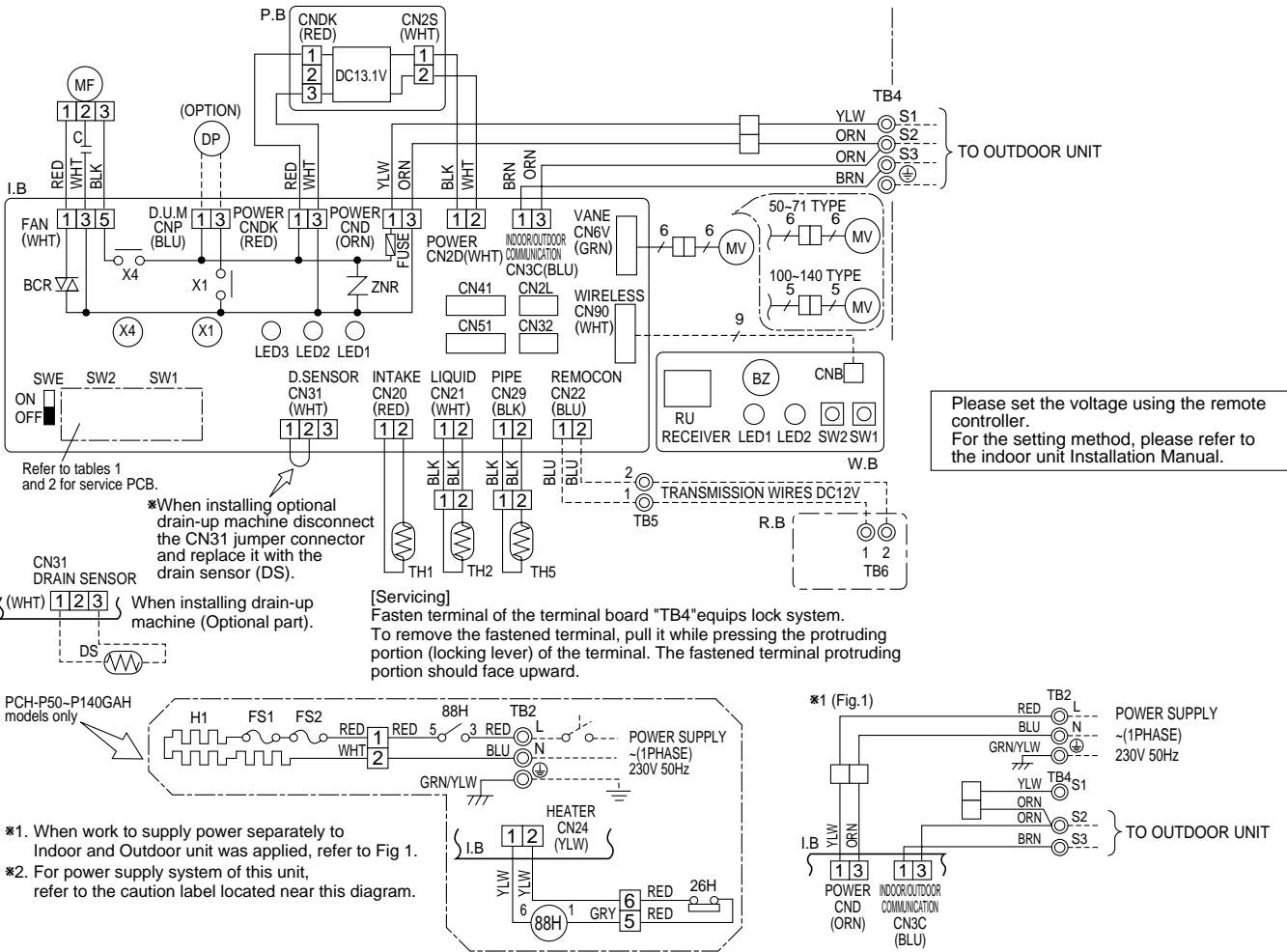


Table 1

MODELS	Service board
PCA-RP.GA	ON
PCA-RP.GA	OFF

Table 2

MODELS	Service board	MODELS	Service board
PCA-RP50GA	ON	PCA-RP100GA	ON
PCA-RP50GAH	OFF	PCA-RP100GAH	OFF
PCA-RP50GA2	ON	PCA-RP125GA	ON
PCA-RP60GA	OFF	PCA-RP125GAH	OFF
PCA-RP60GAH	ON	PCA-RP140GA	ON
PCA-RP71GA	OFF	PCA-RP140GAH	OFF

- NOTES:
- Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
 - Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
 - Make sure that the main power supply of the booster heater is consistent used.
 - Symbols used in wiring diagram above are,
 : Connector, : Terminal (block).

PCA-RP71HA PCA-RP125HA

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
P. B	INDOOR POWER BOARD	MF1, MF2	FAN MOTOR
I. B	INDOOR CONTROLLER BOARD	C1, C2	CAPACITOR(FAN MOTOR)
	FUSE	H2	DEW PREVENTION HEATER
	ZNR	TB2	TERMINAL BLOCK(INDOOR UNIT POWER (OPTION))
	CN2L		CONNECTOR (LOSSNAY)
	CN32	TB4	CONNECTOR (REMOTE SWITCH) TERMINAL BLOCK(INDOOR/OUTDOOR CONNECTING LINE)
	CN41		CONNECTOR (HA TERMINAL-A)
	CN51	TB5,TB6	CONNECTOR (CENTRALLY CONTROLL) TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)
	LED1		POWER SUPPLY (I. B)
	LED2		POWER SUPPLY (R. B)
	LED3	TH1	TRANSMISSION (INDOOR-OUTDOOR) ROOM TEMP.THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)
	X1	TH2	RELAY (DEW PREVENTION HEATER) PIPE TEMP.THERMISTOR/LIQUID (0°C/15kΩ, 25°C/5.4kΩ DETECT)
	X4		RELAY (FAN MOTOR)
	X5		RELAY (FAN MOTOR)
	X6		RELAY (FAN MOTOR)
	SW1	R. B	SWITCH (MODEL SELECTION)※See Table 1. WIRED REMOTE CONTROLLER BOARD
	SW2		SWITCH (CAPACITY CODE)※See Table 2.
	SWE		SWITCH (EMERGENCY OPERATION)

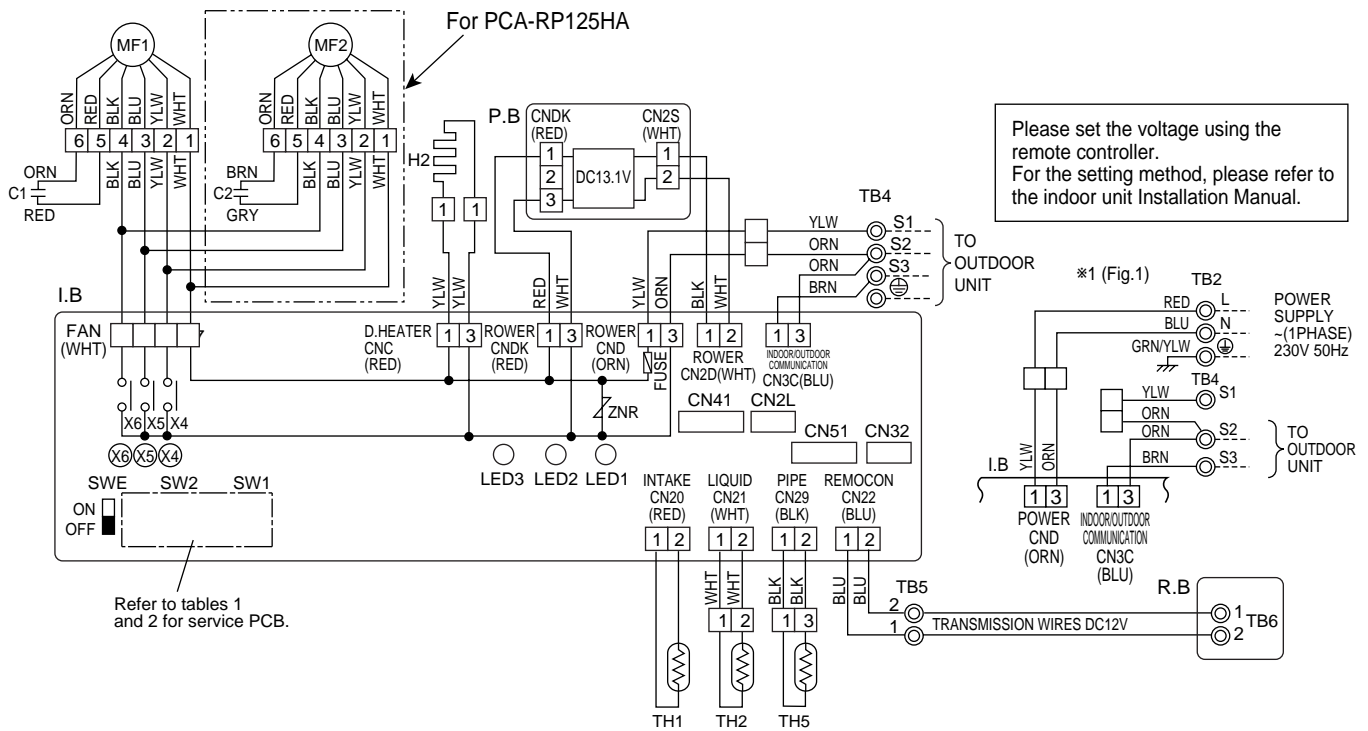


Table 1

SW1				
Service board				
1	2	3	4	5
ON	OFF	ON	OFF	ON

Table 2

SW2									
MODELS					Service board				
PCA-RP71HA					PCA-RP125HA				
1	2	3	4	5	1	2	3	4	5
ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON

NOTES:

1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
 2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1,S2,S3).
 3. Symbols used in wiring diagram above are, □□□□: Connector, ⊙: Terminal (block).
- ※1 ; When work to supply power separately to Indoor and Outdoor unit was applied, refer to Fig1.
 ※2 ; For power supply system of this unit, refer to the caution label located near this diagram.

PSA-RP71GA PSA-RP100GA PSA-RP125GA PSA-RP140GA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	I.B	INDOOR CONTROLLER BOARD	C	CAPACITOR (FAN MOTOR)
FUSE	FUSE (T6.3AL250V)	SW1	SWITCH (MODEL SELECTION) ※See Table 1.	MF	FAN MOTOR
ZNR	VARISTOR	SW2	SWITCH (CAPACITY CODE) ※See Table 2.	SWE	SWITCH (EMERGENCY OPERATION)
CN2L	CONNECTOR (LOSSNAY)	X2	RELAY (LOUVER)	X4	RELAY (FAN MOTOR)
CN32	CONNECTOR (REMOTE SWITCH)	X5	RELAY (FAN MOTOR)	X6	RELAY (FAN MOTOR)
CN41	CONNECTOR (HA TERMINAL-A)	R.B	WIRED REMOTE CONTROLLER BOARD	TB2	TERMINAL BLOCK (HEATER) ※PSH-P.GAH models only or option for PSA-RP.GA models.
CN51	CONNECTOR (CENTRALLY CONTROL)	TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
LED1	POWER SUPPLY (I.B)	TH1	ROOM TEMP.THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)	TH2	PIPE TEMP.THERMISTOR/LIQUID (0°C/15kΩ, 25°C/5.4kΩ DETECT)
LED2	POWER SUPPLY (R.B)	TH5	COND./EVA.TEMP.THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)		
LED3	TRANSMISSION (INDOOR-OUTDOOR)	HEATER			
		FS1,2	THERMAL FUSE (110°C16A)		
		H	HEATER		
		26H	HEATER THERMAL SWITCH		
		88H	HEATER CONTACTOR		

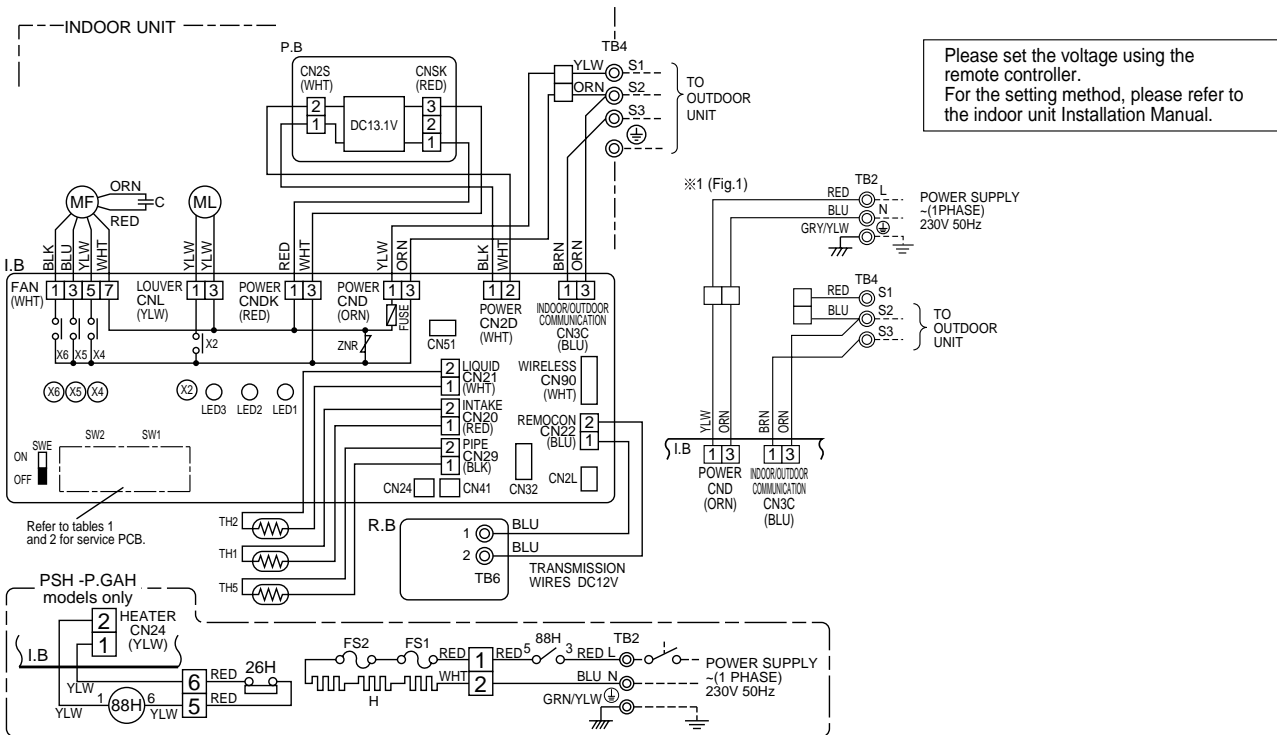


Table 1

MODELS	Service board
PSA-RP.GA	1 2 3 4 5 ON
PSH-P.GAH	1 2 3 4 5 OFF

- ※ 1 ; When work to supply power separately to Indoor and Outdoor unit was applied, refer to Fig1.
- ※ 2 ; For power supply system of this unit, refer to the caution label located near this diagram.

Table 2

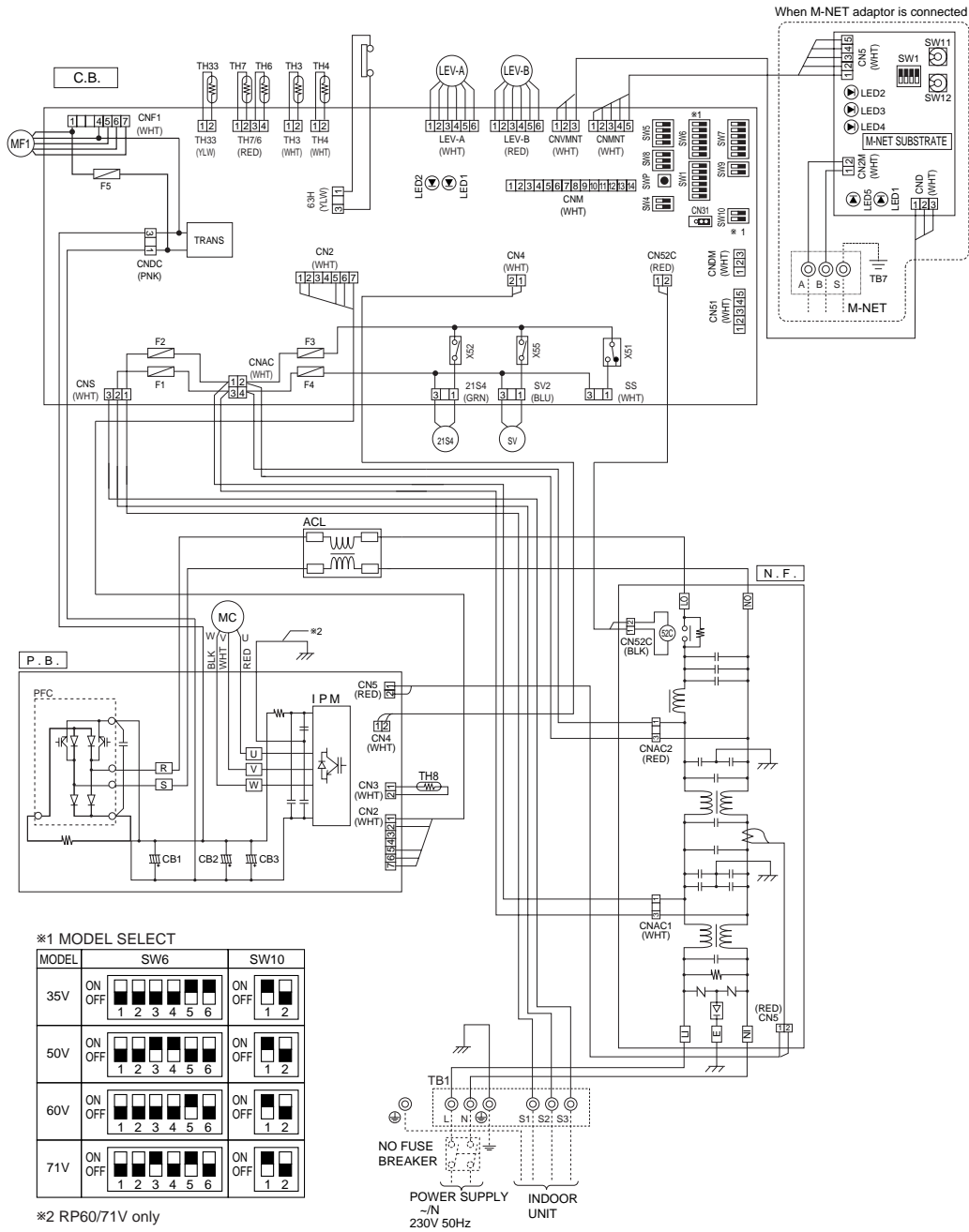
MODELS	Service board
PSA-RP71GA	1 2 3 4 5 ON
PSH-P71GAH	1 2 3 4 5 OFF
PSA-RP100GA	1 2 3 4 5 ON
PSH-P100GAH	1 2 3 4 5 OFF
PSA-RP125GA	1 2 3 4 5 ON
PSH-P125GAH	1 2 3 4 5 OFF
PSA-RP140GA	1 2 3 4 5 ON
PSH-P140GAH	1 2 3 4 5 OFF

- [NOTES]
- 1.Symbols used in wiring diagram above are, : Connector, : Terminal (block).
 - 2.Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1,S2,S3).
 - 3.Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
 - 4.This diagram shows the wiring of Indoor and Outdoor connecting wires (specification of 230V), adopting superimposed system of power and signal.

PUHZ-RP35VHA2 PUHZ-RP50VHA2 PUHZ-RP60VHA2 PUHZ-RP71VHA2

Symbols used in wiring diagram above are, □:Connector, ⊙:Terminal(block)

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block<Power Supply, Indoor/Outdoor>	N.F.	Noise Filter Circuit Board	SWP	Switch<Pump Down>
MC	Motor for Compressor	L/L/O	Connection Terminal<L-Phase>	CN31	Connector<Emergency Operation>
MF1	Fan Motors	N/I/NO	Connection Terminal<N-Phase>	SS	Connector<Connection for Option>
21S4	Solenoid Valve (Four-Way Valve)	E	Connection Terminal<Ground>	CNM	Connector<A-Control Service Inspection Kit>
63H	High Pressure Switch	52C	52C Relay	CNMNT	Connector <Connected to Optional M-NET Adapter Board>
SV	Solenoid Valve (Bypass Valve)	C.B.	Controller Circuit Board	CNMVNT	Connector <Connected to Optional M-NET Adapter Board>
TH3, TH33	Thermistor<Outdoor Pipe>	SW1	Switch<Forced Defrost, Defect History Record Reset, Refrigerant Address>	CNDM	Connector < Connected for Option (Contact Input)>
TH4	Thermistor<Discharge>	SW4	Switch<Test Operation>	X51,X52,X55	Reray
TH6	Thermistor<Outdoor 2-Phase Pipe>	SW5	Switch<Function Switch>		
TH7	Thermistor<Outdoor>	SW6	Switch<Model Select>		
TH8	Thermistor<Radiator Panel>	SW7	Switch<Function Setup>		
LEV(A),LEV(B)	Electronic Expansion Valve	SW8	Switch		
ACL	Reactor	SW9	Switch		
P.B.	Power Circuit Board	SW10	Switch<Model Select>		
R/S	Connection Terminal<L/N-Phase>	LED1,LED2	Light Emitting Diodes <Operation Inspection Indicators>		
U/V/W	Connection Terminal<U/V/W-Phase>	F1-4	Fuse<T6.3AL250V>		
IPM	Inverter				
CB1-CB3	Main Smoothing Capacitor				



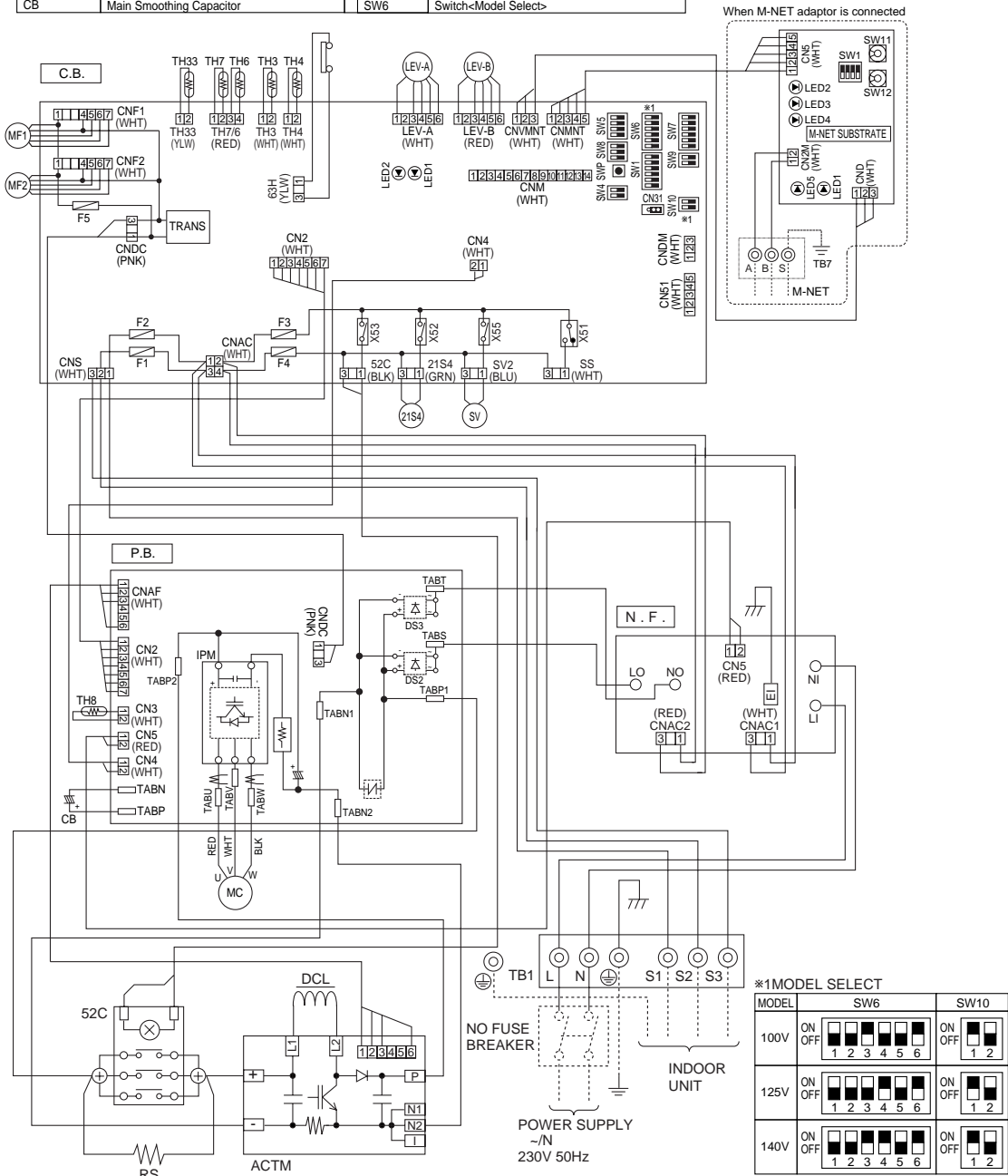
M-NET ADAPTER

SYMBOL	NAME	SYMBOL	NAME
TB7	Terminal Block<M-net connection>	SW12	Switch<Address setting : 2nd digit>
CN5	Connector<Transmission>	LED1	LED<Power Supply : DC5V>
CND	Connector<Power Supply>	LED2	LED<Connection to Outdoor Unit>
CN2M	Connector<M-NET communication>	LED3	LED<Transmission : Sending>
SW1	Switch<Status of communication>	LED4	LED<Transmission : Receiving>
SW11	Switch<Address setting : 1st digit>	LED5	LED<Power Supply : DC12V>

PUHZ-RP100VHA2 PUHZ-RP125VHA2 PUHZ-RP140VHA2

Symbols used in wiring diagram above are, □□□:Connector, ⊙:Terminal(block)

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block<Power Supply, Indoor/Outdoor >	P.B.	Power Circuit Board	SW7	Switch<Function Setup>
MC	Motor for Compressor	TABU/V/W	Connection Terminal<U/V/W-Phase>	SW8	Switch
MF1, MF2	Fan Motors	TABS/T	Connection Terminal<L/N-Phase>	SW9	Switch
21S4	Solenoid Valve (Four-Way Valve)	TABP1/P2/P	Connection Terminal<DC Voltage>	SW10	Switch<Model Select>
SV	Solenoid Valve (Bypass Valve)	TABN1/N2/N	Connection Terminal<DC Voltage>	SWP	Switch<Pump Down>
63H	High Pressure Switch	DS2,3	Diode Bridge	CN31	Connector<Emergency Operation>
TH3	Thermistor<Outdoor Pipe>	IPM	Power Module	LED1, LED2	Light Emitting Diodes <Operation Inspection Indicators>
TH4	Thermistor<Discharge>	N.F.	Noise Filter Circuit Board	SS	Connector<Connection for Option>
TH6	Thermistor<Outdoor 2-Phase Pipe>	LI/LO	Connection Lead<L-Phase>	CNM	Connector<A-Control Service Inspection Kit>
TH7	Thermistor<Outdoor>	NI/NO	Connection Lead<N-Phase>	CNMNT	Connector<Connected to Optional M-NET Adapter Board>
TH8	Thermistor<Heat Sink>	EI	Connection Terminal<Ground>	CNMNT	Connector<Connected to Optional M-NET Adapter Board>
TH33	Thermistor<Outdoor Pipe>	C.B.	Controller Circuit Board	CNMNT	Connector<Connected to Optional M-NET Adapter Board>
LEV-A, B	Electronic Expansion Valve	F1-4	Fuse<T6.3AL250V>	CNDM	Connector< Connected for Option (Contact Input)>
DCL	Reactor	SW1	Switch<Forced Defrost, Defect History Record Reset, Refrigerant Address>		
52C	52C Relay	SW4	Switch<Test Operation>		
RS	Rush Current Protect Resistor	SW5	Switch<Function Switch>		
ACTM	Active Filter Module	SW6	Switch<Model Select>		
CB	Main Smoothing Capacitor				



M-NET ADAPTER

SYMBOL	NAME	SYMBOL	NAME
TB7	Terminal Block<M-net connection>	LED1	LED<Power Supply : DC5V>
CN5	Connector<Transmission>	LED2	LED<Connection to Outdoor Unit>
CND	Connector<Power Supply>	LED3	LED<Transmission : Sending>
CN2M	Connector<M-NET communication>	LED4	LED<Transmission : Receiving>
SW1	Switch<Status of communication>	LED5	LED<Power Supply : DC12V>
SW11	Switch<Address setting : 1st digit>		
SW12	Switch<Address setting : 2nd digit>		

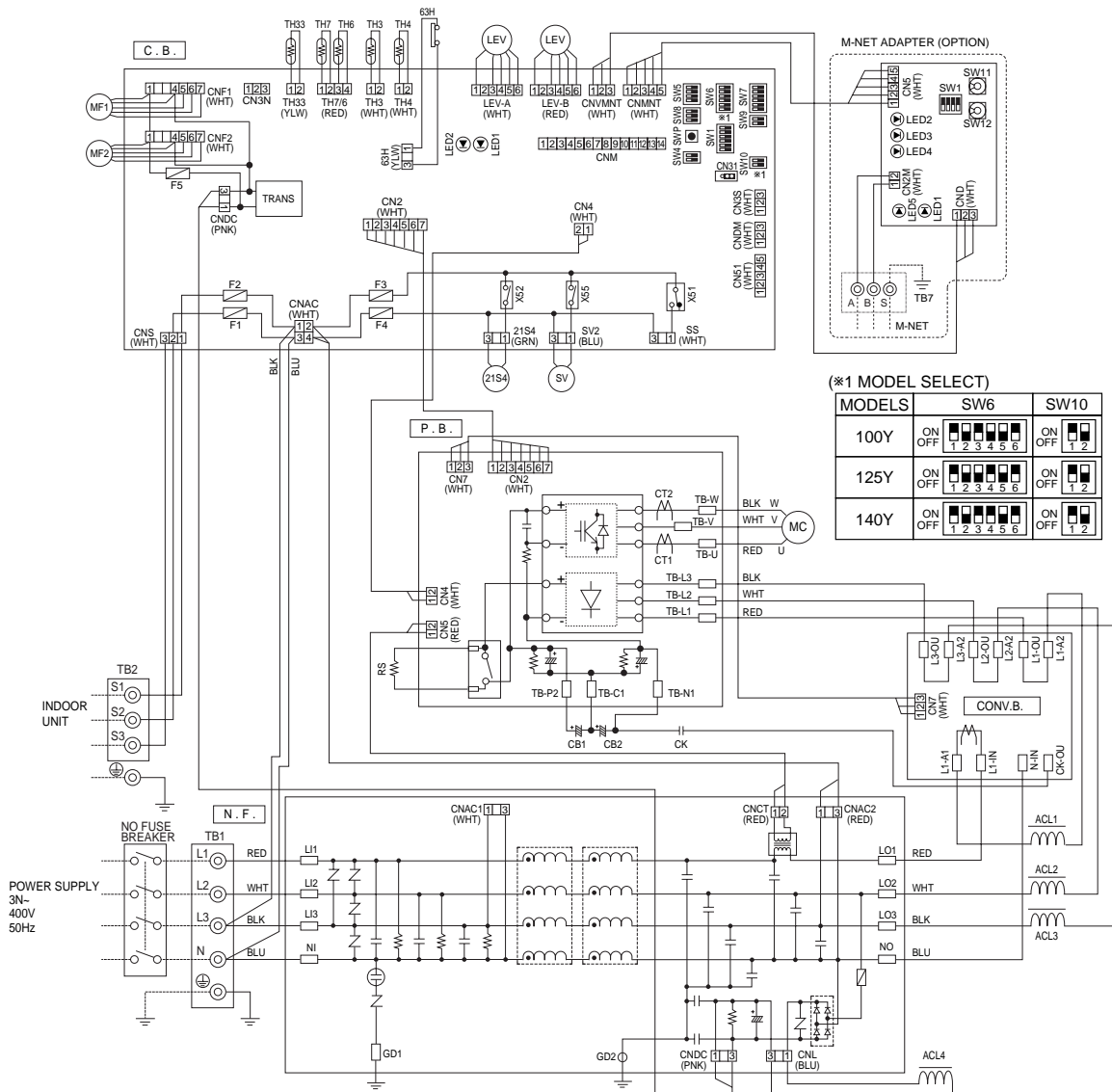
PUHZ-RP100YHA2 PUHZ-RP125YHA2 PUHZ-RP140YHA2

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block(Power Supply)	N.F.	Noise Filter Circuit Board	CN31	Connector(Emergency Operation)
TB2	Terminal Block(Indoor/Outdoor)	L1/L2/L3/Ni	Connection Terminal(L1/L2/L3/N-Power Supply)	21S4	Connector(Four-Way Valve)
MC	Motor for Compressor	L01/L02/L03/NO	Connection Terminal(L1/L2/L3/N-Power Supply)	SV2	Connector(Bypass Valve)
MF1,MF2	Fan Motor	GD1	Connection Terminal(Ground)	SS	Connector Connection for Option
21S4	Solenoid Valve (Four-Way Valve)	CONV.B	Converter Circuit Board	LEV-A/LEV-B	Connector(LEV)
SV	Solenoid Valve (Bypass Valve)	L1-A1/IN	Connection Terminal(L1-Power Supply)	63H	Connector(High Pressure Switch)
63H	High Pressure Switch	L1-A2/OU	Connection Terminal(L1-Power Supply)	TH3	Connector(Thermistor)
TH3	Thermistor(Outdoor Pipe)	L2-A2/OU	Connection Terminal(L2-Power Supply)	TH4	Connector(Thermistor)
TH4	Thermistor(Discharge)	L3-A2/OU	Connection Terminal(L3-Power Supply)	TH7/6	Connector(Thermistor)
TH6	Thermistor(Outdoor 2-Phase Pipe)	N-IN	Connection Terminal	TH33	Connector(Thermistor)
TH7	Thermistor(Outdoor)	CK-OU	Connection Terminal	CNF1/CNF2	Connector(Fan Motor Operation)
TH33	Thermistor(Outdoor Pipe)	C.B.	Controller Circuit Board	LED1/LED2	LED(Operation Inspection Indicators)
LEV	Linear Expansion Valve	F1,F2	FUSE(T6.3AL250V)	CNM	Connector(A-Control Service Inspection Kit)
ACL1-ACL4	Reactor	F3,F4	FUSE(T6.3AL250V)	CNVMNT	Connector(Connect to Optional M-NET Adapter Board)
CB1,CB2	Main Smoothing Capacitor	SW1	Switch(Forced Defrost, Defect History Record Reset, Refrigerant Address)	CNMNT	Connector(Connect to Optional M-NET Adapter Board)
CK	Capacitor	SW4	Switch(Test Operation)	CN3S	Connector(Connection for Option)
RS	Rush Current Protect Resistor	SW5	Switch(Function Switch)	CNDM	Connector(Connection for Option)
P.B.	Power Circuit Board	SW6	Switch(Model Select)	CN51	Connector(Connection for Option)
TB-U/W	Connection Terminal(U/W-Phase)	SW7	Switch(Function Switch)		
TB-L1/L2/L3	Connection Terminal(L1/L2/L3-Power Supply)	SW8	Switch(Function Switch)		
TB-P2	Connection Terminal	SW9	Switch(Function Switch)		
TB-C1	Connection Terminal	SW10	Switch(Model Select)		
TB-N1	Connection Terminal	SWP	Switch(Pump Down)		
CT1, CT2	Current Trans				

M-NET ADAPTER

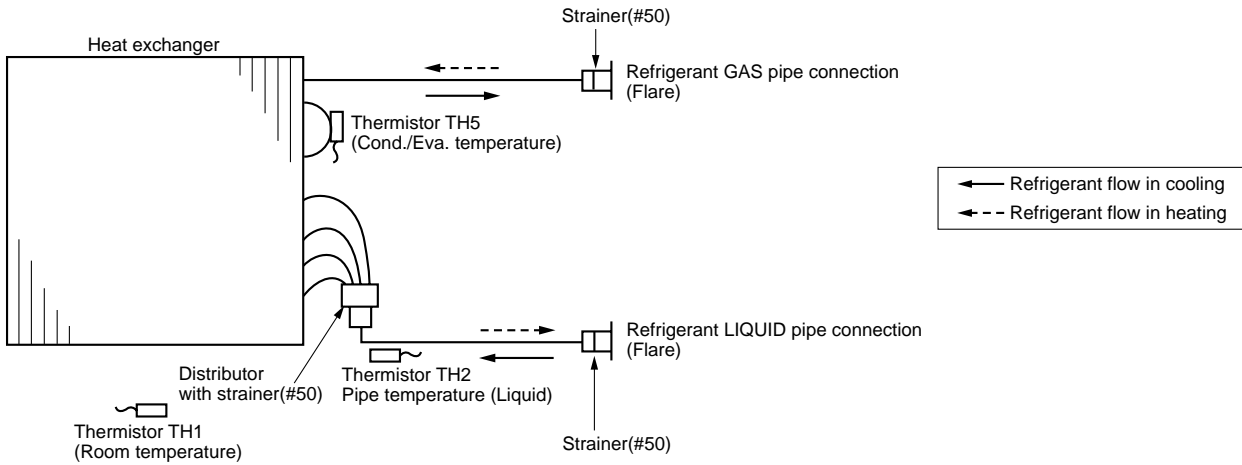
TB7	Terminal Block(M-NET connection)	SW12	Switch(Address setting, 2nd digit)
CN5	Connector(Transmission)	LED1	LED(Power Supply: DC5V)
CND	Connector(Power Supply)	LED2	LED(Connection to Outdoor Unit)
CN2M	Connector(M-NET communication)	LED3	LED(Transmission: Sending)
SW1	Switch(Status of communication)	LED4	LED(Transmission: Receiving)
SW11	Switch(Address setting: 1st digit)	LED5	LED(Power Supply: DC12V)

Symbols used in wiring diagram above are, □□□ : Connector, ⊙ : Terminal(block)



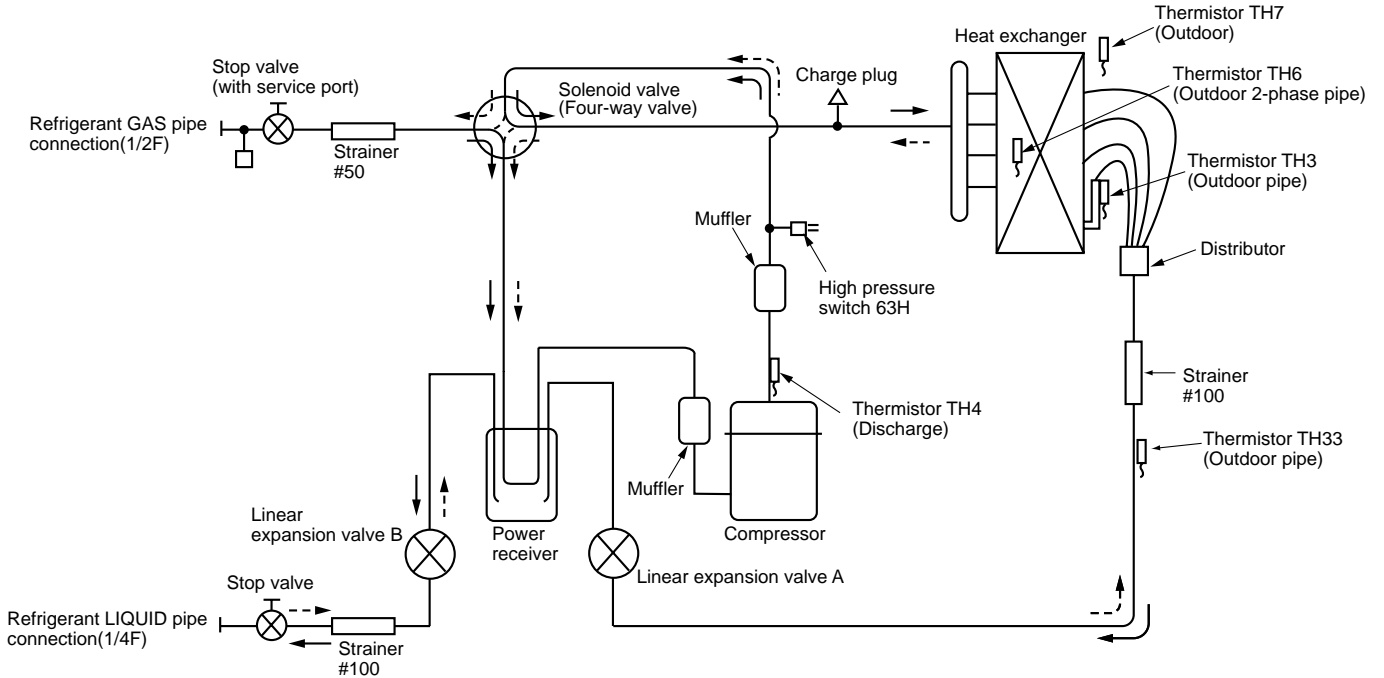
5-1. INDOOR UNIT

- PLA-RP-AA(2) PCA-RP-GA(2) PCA-RP-HA
- PKA-RP-GAL PKA-RP-FAL(2) PSA-RP-GA
- PEAD-RP-EA(2) PEAD-RP-GA

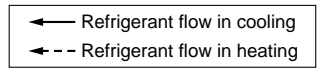
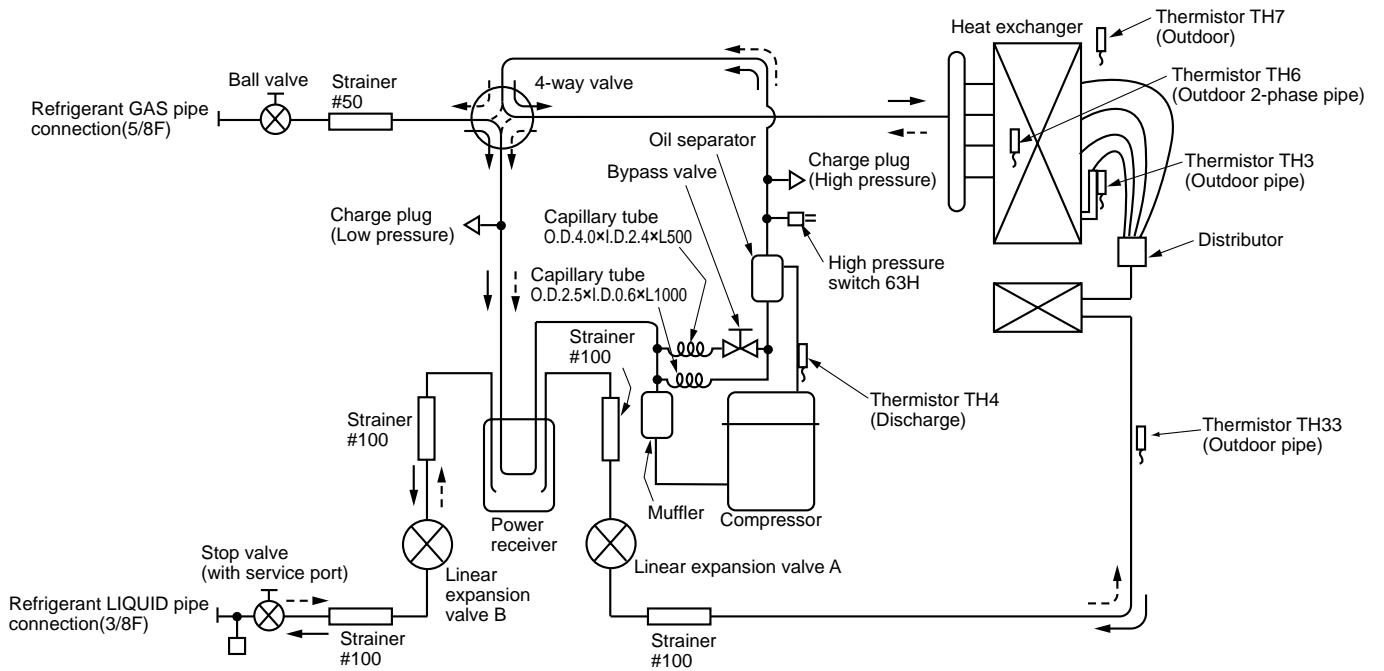


5-2. OUTDOOR UNIT

PUHZ-RP35VHA2 PUHZ-RP50VHA2



PUHZ-RP60VHA2 PUHZ-RP71VHA2

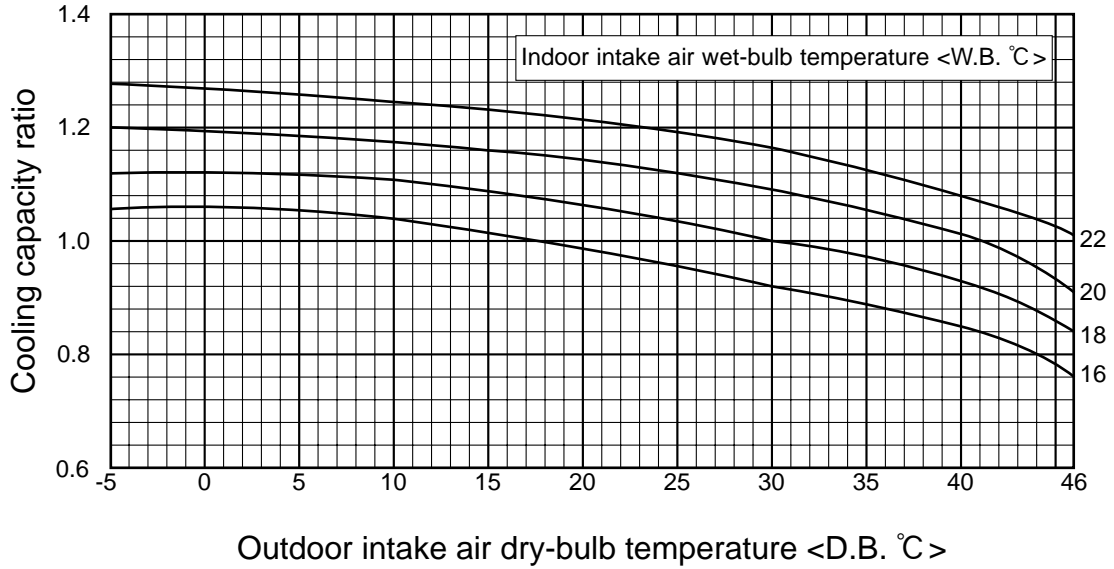


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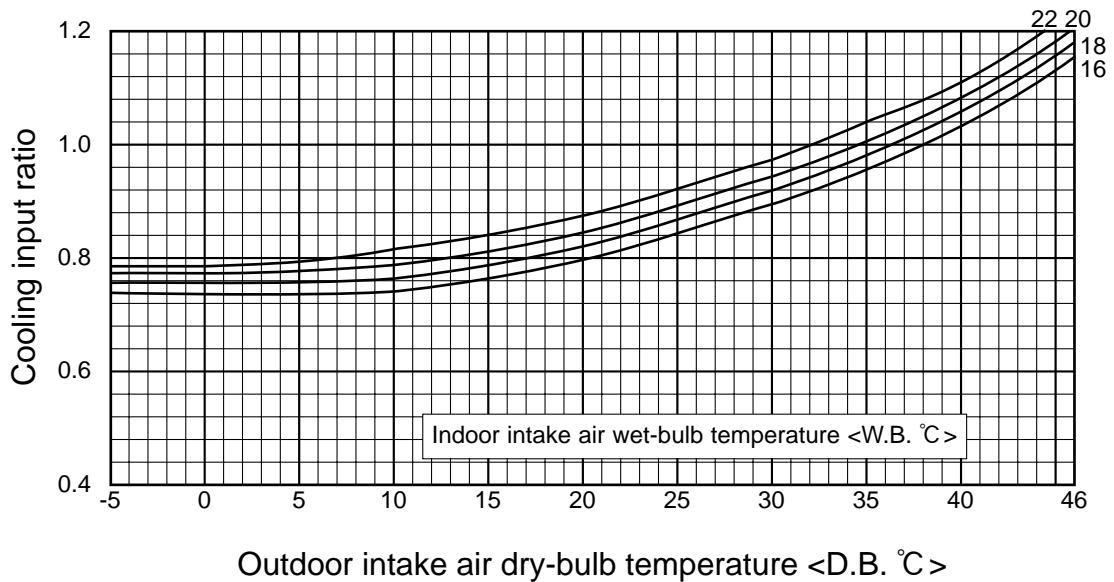
PERFORMANCE CURVES

FOR THE COMBINATION OF OUTDOOR UNIT PUAZ-RP•VHA2, PUAZ-RP100~140YHA2

Cooling capacity

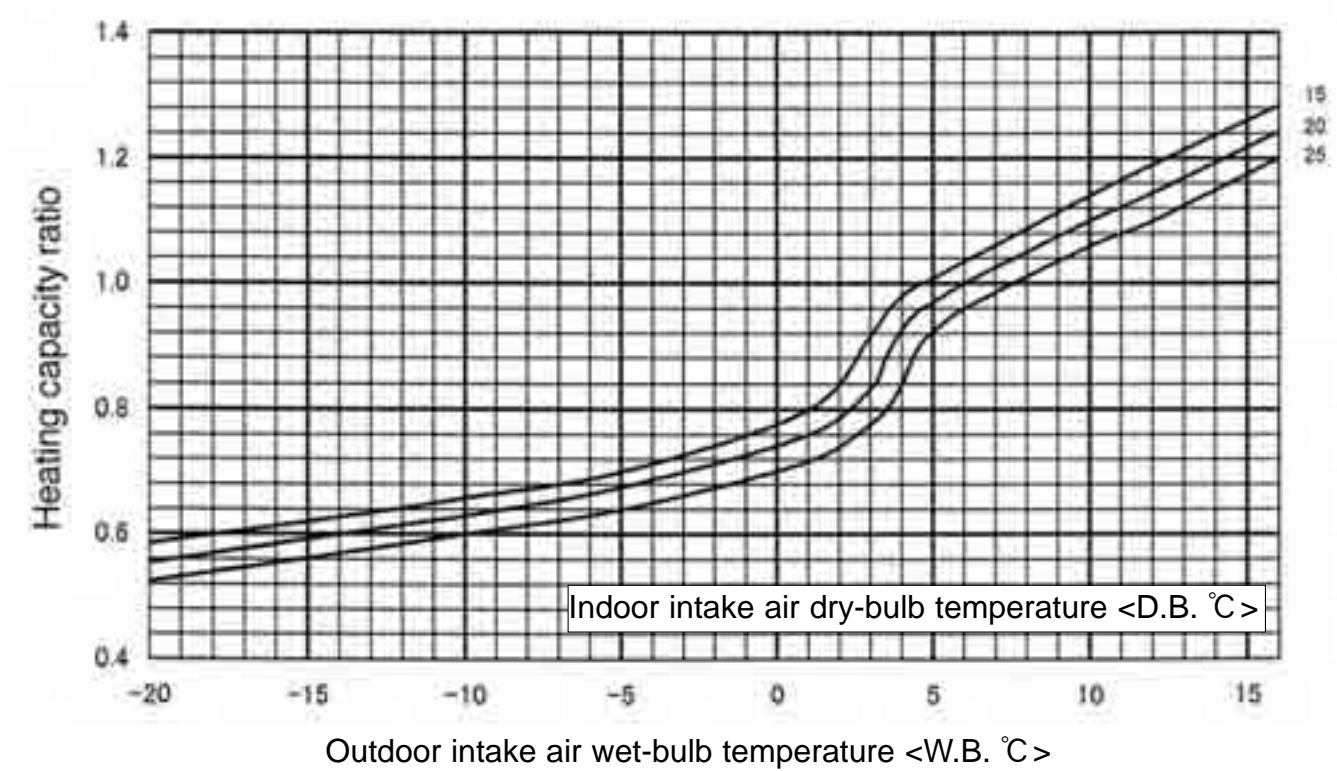


Cooling input

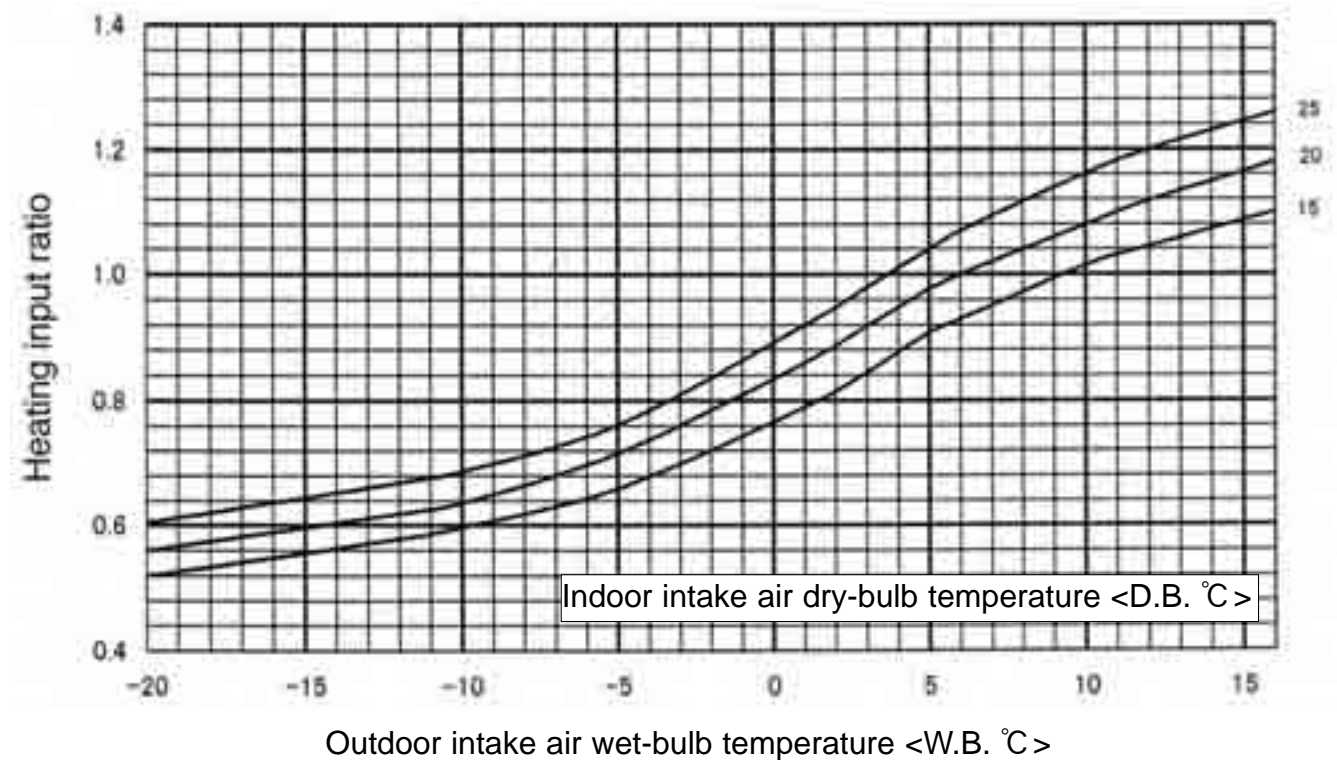


Note : This diagrams show the case where the operation frequency of a compressor is fixed.

Heating capacity



Heating input



Note : This diagrams show the case where the operation frequency of a compressor is fixed.

PUHZ-RP-VHA2, PUHZ-RP100~140YHA2

Cooling capacity correction factors

Outdoor unit	Refrigerant piping length (one way)									
	5m	10m	20m	30m	40m	50m	55m	60m	70m	80m
PUHZ-RP35VHA2	1.00	0.992	0.976	0.962	0.949	0.936	0.930	—	—	—
PUHZ-RP50VHA2	1.00	0.985	0.957	0.931	0.908	0.886	0.876	—	—	—
PUHZ-RP60VHA2	1.00	0.992	0.976	0.962	0.949	0.936	0.930	—	—	—
PUHZ-RP71VHA2	1.00	0.988	0.966	0.946	0.929	0.913	0.905	—	—	—
PUHZ-RP100VHA2	1.00	0.985	0.957	0.931	0.908	0.886	0.876	0.865	0.846	0.829
PUHZ-RP100YHA2										
PUHZ-RP125VHA2	1.00	0.981	0.946	0.914	0.885	0.858	0.845	0.834	0.812	0.792
PUHZ-RP125YHA2										
PUHZ-RP140VHA2	1.00	0.976	0.931	0.893	0.858	0.827	0.813	0.800	0.775	0.753
PUHZ-RP140YHA2										

Heating capacity correction factors

Outdoor unit	Refrigerant piping length (one way)									
	5m	10m	20m	30m	40m	50m	55m	60m	70m	80m
PUHZ-RP35VHA2	1.00	0.997	0.991	0.985	0.979	0.973	0.970	—	—	—
PUHZ-RP50VHA2	1.00	0.997	0.991	0.985	0.979	0.973	0.970	—	—	—
PUHZ-RP60VHA2	1.00	0.997	0.991	0.985	0.979	0.973	0.970	—	—	—
PUHZ-RP71VHA2	1.00	0.997	0.991	0.985	0.979	0.973	0.970	—	—	—
PUHZ-RP100VHA2	1.00	0.997	0.991	0.985	0.979	0.973	0.970	0.967	0.961	0.955
PUHZ-RP100YHA2										
PUHZ-RP125VHA2	1.00	0.997	0.991	0.985	0.979	0.973	0.970	0.967	0.961	0.955
PUHZ-RP125YHA2										
PUHZ-RP140VHA2	1.00	0.997	0.991	0.985	0.979	0.973	0.970	0.967	0.961	0.955
PUHZ-RP140YHA2										

8 APPLICABLE EXTENSION PIPE FOR EACH MODEL

8-1. PIPE LENGTH

8-1-1. 1:1 SYSTEM

Pipe length

<Table 1> Maximum pipe length

Liquid pipe (mm)	OD	φ6.35			φ9.52			φ12.7	
	Thickness	t0.8			t0.8			t0.8	
Gas pipe (mm)	OD	φ9.52	φ12.7	φ15.88	φ12.7	φ15.88	φ19.05	φ15.88	φ19.05
	Thickness	t0.8	t0.8	t1.0	t0.8	t1.0	t1.0	t1.0	t1.0
RP35*50	□ 30m *1 [30m]	Standard size 50m [30m]	○ *2 30m [30m]	△ 30m [20m]	△*2 30m [20m]	/	/	/	/
RP60*71	/	□ 10m [10m]	○ 10m [10m]	□ 30m [30m]	Standard size 50m [30m]	/	△ 30m [20m]	/	/
RP100~140	/	/	/	/	Standard size 50m *3 [30m]	○ 50m [30m]	△ 50m [20m]	△ 50m [20m]	/

<Marks in the table>



- : It can be used.
- : Cooling capacity is lowered.
- △ : Additional refrigerant charge is required when the pipe length exceeds 10m.

50m — The maximum pipe length
[30m] — Charge-less pipe length

- *1. Maximum pipe length is RP50, it becomes 10m.
- *2. Change the SW8-1 on the outdoor controller circuit board from OFF to ON.
- *3. The maximum length is 75m in case of new pipes.

8-1-2. TWIN AND TRIPLE SYSTEM

(1) TWIN SYSTEM

<Table 2> Maximum pipe length

Main pipe (mm) [A]	Liquid pipe	RP71(RP35×2)		RP100(RP50×2)			RP125(RP60×2) • RP140(RP71×2)			
		φ6.35	φ9.52	φ9.52	φ9.52	φ12.7	φ9.52	φ9.52	φ12.7	
Branch pipe (mm) [B, C]	Gas pipe	φ12.7	φ15.88	φ15.88	φ19.05	φ19.05	φ15.88	φ19.05	φ19.05	
	Branch pipe (mm) [B, C]	Liquid pipe	φ6.35	Standard size 50m [30m]	Standard size 50m * [30m]	○ 50m [30m]	△ 50m [20m]	/	/	/
Gas pipe		φ12.7	/	/	/	/	/	/	/	
Liquid pipe		φ9.52	/	○ 50m [30m]	○ 50m [30m]	○ 50m [30m]	△ 50m [20m]	Standard size 50m * [30m]	○ 50m [30m]	△ 50m [20m]
Gas pipe		φ15.88	/	/	/	/	/	/	/	/
Liquid pipe		φ12.7	/	/	/	/	/	/	/	/
Gas pipe		φ19.05	/	/	/	/	/	/	/	/

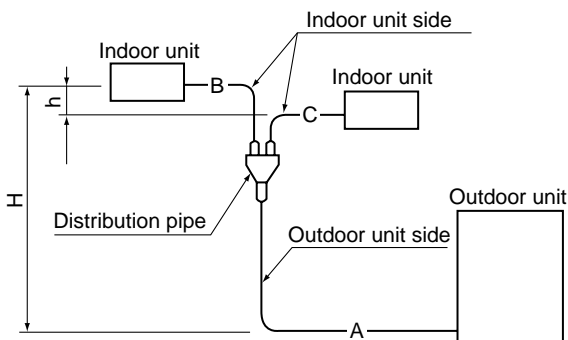
* The maximum length is 75m in case of new pipes.

(2) TRIPLE SYSTEM

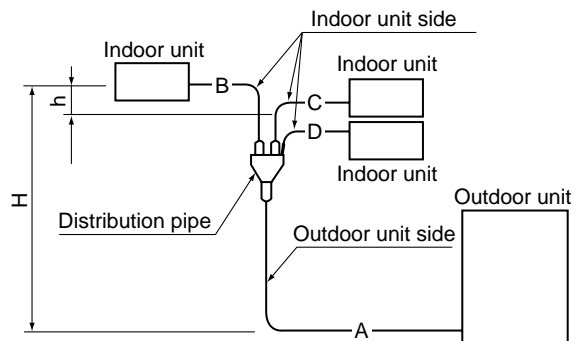
<Table 3> Maximum pipe length

Main pipe (mm) [A]	Liquid pipe	RP140(RP50×3)				
		φ9.52	φ9.52	φ12.7		
Branch pipe (mm) [B, C, D]	Gas pipe	φ15.88	φ19.05	φ19.05		
	Branch pipe (mm) [B, C, D]	Liquid pipe	φ6.35	Standard size 50m * [30m]	○ 50m [30m]	△ 50m [20m]
Gas pipe		φ12.7	/	/	/	
Liquid pipe		φ9.52	/	○ 50m [30m]	○ 50m [30m]	△ 50m [20m]
Gas pipe		φ15.88	/	/	/	/
Liquid pipe		φ12.7	/	/	/	/
Gas pipe		φ19.05	/	/	/	/

* The maximum length is 75m in case of new pipes.



<TWIN SYSTEM>
Total length A + B + C
RP71 : 50 m
RP100-140: 75 m



<TRIPLE SYSTEM>
Total length A + B + C + D
RP140: 75 m

8-2. ADJUSTING THE AMOUNT OF REFRIGERANT

- Check additional refrigerant charging amount referring to table 5.6 when liquid pipe is one size larger than standard diameter.

<Table 5> Required additional charge when the pipe size is larger than the standard diameter (1:1 SYSTEM)

	Liquid pipe dia	Refrigerant amount to be added
35,50	φ9.52	60 g per 1 m
60,71	φ12.7	100 g per 1 m
100~140	φ12.7	100 g per 1 m

<Table 6> Required additional charge when the pipe size is larger than the standard diameter (TWIN/TRIPLE SYSTEM)

Capacity	When the extension pipe length (main piping + branch piping) exceed 20 m
71~140	Additional refrigerant amount $\Delta W(g) = (100 \times L1) + (60 \times L2) + (30 \times L3) - 2000$

If the calculation produces a negative number ($\Delta W \leq 0$), additional charging is not necessary.

L1: φ12.7 liquid pipe length (m)

L2: φ9.52 liquid pipe length (m)

L3: φ6.35 liquid pipe length (m)

<Table 7> Additional refrigerant charging amount for pipe of standard diameter

Type	Outdoor unit	Permitted pipe length	Amount of unit filling refrigerant (kg)	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)				
				31 – 40m	41 – 50m	51 – 60m	61 – 70m	71 – 75m
1 : 1 system	PUHZ-RP35,50VHA2	50m or less	2.5kg	0.2kg	0.4kg			
	PUHZ-RP71VHA2		3.5kg	0.6kg	1.2kg			
	PUHZ-RP100~140	75m or less	5.0kg	0.6kg	1.2kg	1.8kg	2.4kg	

Type	Outdoor unit	Permitted pipe length	Amount of unit filling refrigerant (kg)	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)				
				31 – 40m	41 – 50m	51 – 60m	61 – 70m	71 – 75m
Twin Triple system	PUHZ-RP71VHA2	50m or less	3.5kg	0.6kg	1.2kg			
	PUHZ-RP100~140	75m or less	5.0kg	0.6kg	1.2kg	1.8kg	2.4kg	

8-3. CAPACITY CORRECTION CURVES

Cooling and heating capacity is lowered according to pipe length. Capacity can be obtained by referring to the capacity curves below. When the diameter of gas pipe is one size smaller than standard diameter, cooling capacity is lowered comparing to the standard diameter. The lowered capacity can be obtained by referring to capacity curves for gas pipe which is one size smaller than standard size.

$$\text{Corrected pipe length (m)} = \text{actual pipe length (m)} + \text{number of bends} \times 0.3 \text{ (m)}$$

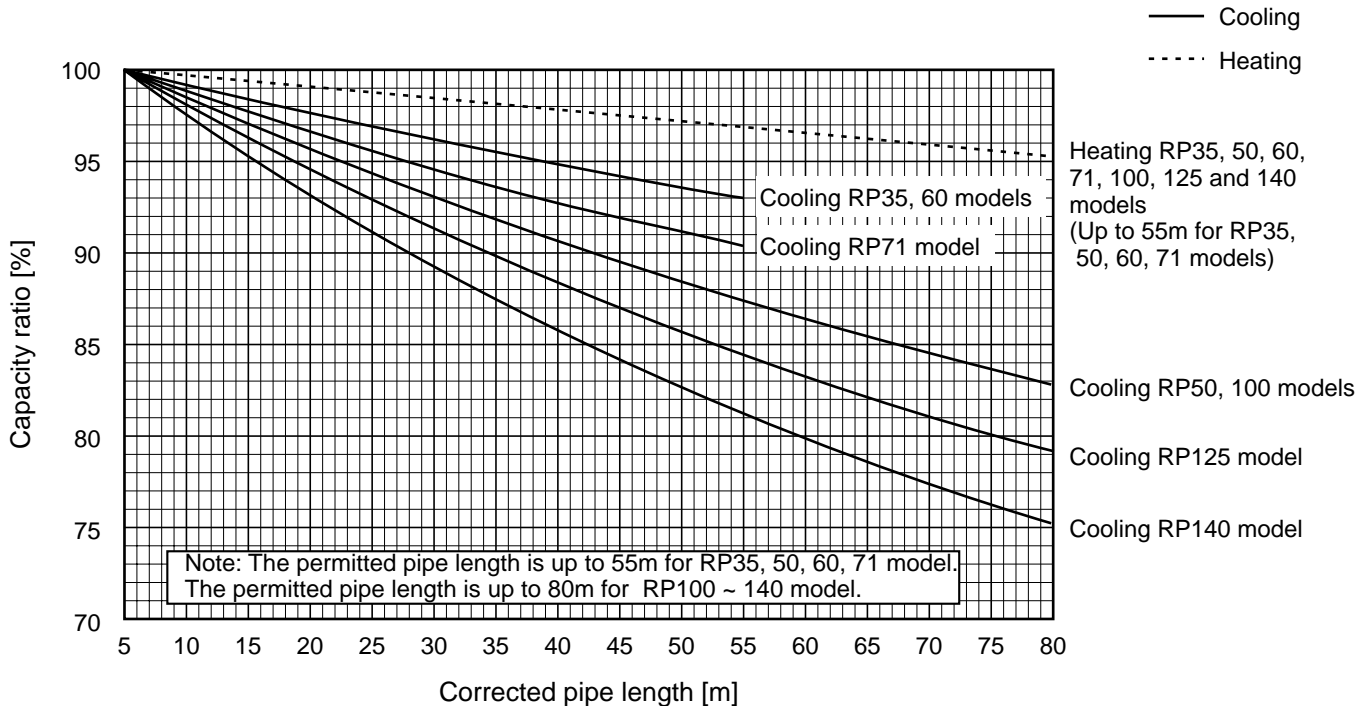
[Sample calculation]

Indoor unit RP60 × 2 units (Twin system)
Outdoor unit RP125 × 1

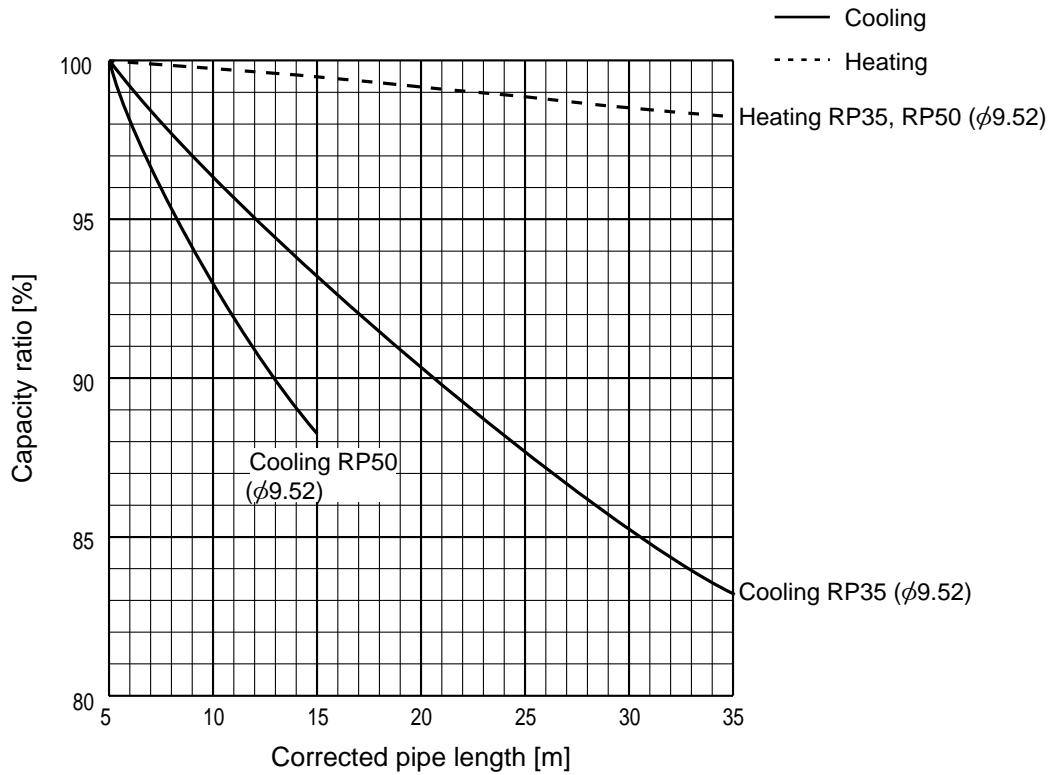
- Condition Using existing pipes.
 - Outdoor unit side
Liquid pipe $\phi 12.7$ / Gas pipe $\phi 19.05$
pipe length (A) 20m
 - Indoor unit side
Liquid pipe $\phi 9.52$ / Gas pipe $\phi 15.88$
pipe length (B) 20m + (C) 15m

- 1) Farthest piping length $20\text{m} + 15\text{m} = 35\text{m}$
Number of bends : 10
- 2) Corrected piping length $35\text{m} + 0.3 \times 10 = 38\text{m}$
- 3) Capacity correction Outdoor unit side's gas pipe $\phi 19.05$
Standard $\phi 15.88 \rightarrow 1$ size up
Refer to ①Capacity curves <Standard size>
- 4) Capacity Cooling capacity = Standard cooling capacity × 0.89
Heating capacity = Standard heating capacity × 0.98

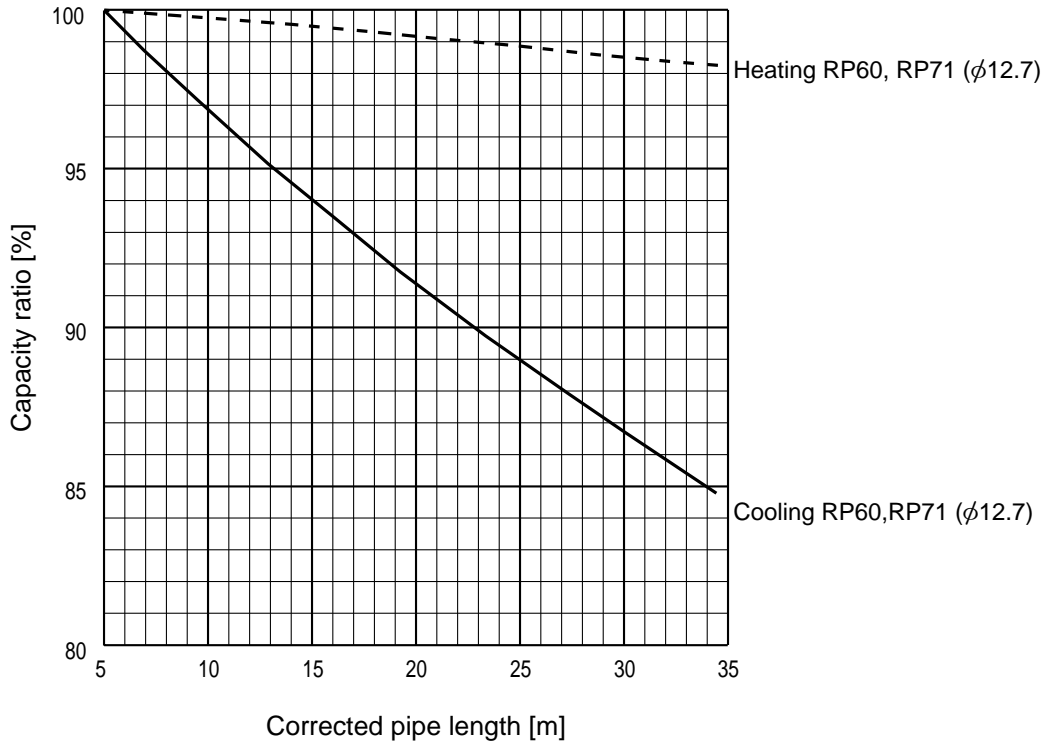
① Capacity curves for PUHZ-RP • HA2 model <Standard size>



② Capacity curve for PUAZ-RP35, 50 models
 <When gas pipe is one size smaller than standard size>



③ Capacity curve for PUAZ-RP60, 71 models
 <When gas pipe is one size smaller than standard size>



④ When gas pipe is one size larger than standard size for PUAZ-RP100, 125 and 140.

① Capacity can be obtained by referring to capacity curves of standard size.

9-1. OUTLET AIR SPEED AND COVERAGE RANGE

	PLA-RP35AA	PLA-RP50AA	PLA-RP60AA	PLA-RP71AA	PLA-RP100AA2	PLA-RP125AA2	PLA-RP140AA2
Air flow m ³ /min.	14	18	18	20	28	30	30
Air speed m/sec.	2.8	3.6	3.6	4.0	4.9	6.6	6.6
Coverage range m	4.0	5.2	5.2	5.7	7.4	8.9	8.9

	PCA-RP50GA	PCA-RP50GA2	PCA-RP60GA	PCA-RP71GA	PCA-RP100GA	PCA-RP125GA	PCA-RP140GA
Air flow m ³ /min	13	18	18	18	25	34	34
Air speed m/sec	3.7	3.8	3.8	3.8	4.1	4.4	4.4
Coverage range m	8.8	10.4	10.4	10.4	12.6	15.2	15.2

	PCA-RP71HA	PCA-RP125HA
Air flow m ³ /min	19	38
Air speed m/sec	2.9	4.2
Coverage range m	7.9	13.2

	PKA-RP35GAL	PKA-RP50GAL
Air flow m ³ /min	12	12
Air speed m/sec	5.3	5.3
Coverage range m (ft)	10(32.8)	10(32.8)

	PKA-RP50FAL2	PKA-RP60FAL	PKA-RP71FAL	PKA-RP100FAL
Air flow m ³ /min	20	20	20	28
Air speed m/sec	4.9	4.9	4.9	5.4
Coverage range m (ft)	12.4(40.7)	12.4(40.7)	12.4(40.7)	15.3(50.2)

	PSA-RP71GA	PSA-RP100GA	PSA-RP125GA	PSA-RP140GA
Air flow m ³ /min	18	31	33	35
Air speed m/sec	2.6	4.5	4.8	4.9
Coverage range m	8.3	14.3	15.2	16.1

The air coverage range is the value up to the position where the air speed is 0.25m/sec. when air is blown out horizontally from the unit at the Hi notch position.

The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture inside the room.

9-2. PLA-RP-AA(2)

9-2-1. FRESH AIR INTAKE AMOUNT

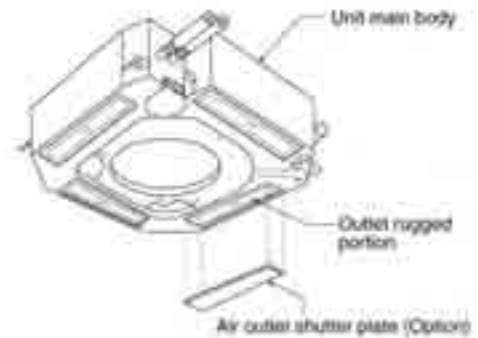
1. Adjusting the width of the air outlets

● Change of outlet numbers

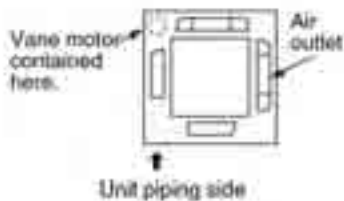
[The optional air outlet shutter is necessary.]

To change the air outlet numbers to 3-, or 2-way outlet, the outlets should be closed with the optional air outlet shutter.

(When the air outlets are closed, close the vane by removing the vane connector.)



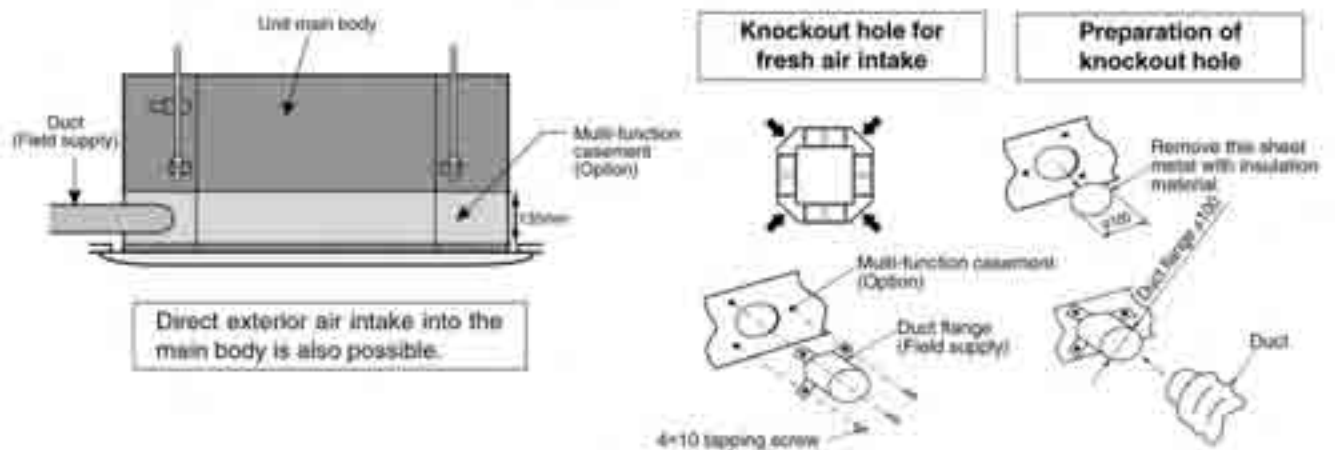
● For the portion to be cut (V-shaped groove), see the figure below (as seen from the rear of the panel).



2. Fresh air intake (Installation of site)

● By mounting the optional multi-function casement to the indoor unit main body, and mounting the duct and duct flange (field supply) onto it further, fresh exterior air intake can be accomplished.

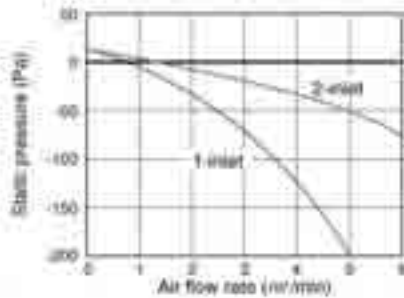
(The mounting of the multi-function casement increases the height of the ceiling plenum by 135mm.)



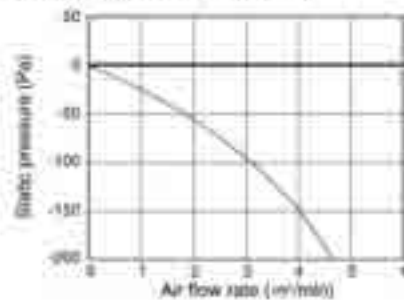
3. Fresh air intake volume & static pressure characteristics

① PLA-RP71AA

(at using of multi-function casement, standard filter)

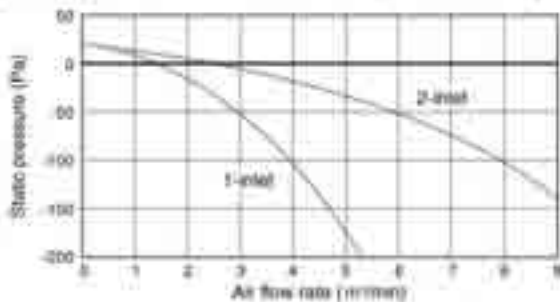


② PLA-RP71AA (Direct intake to unit)

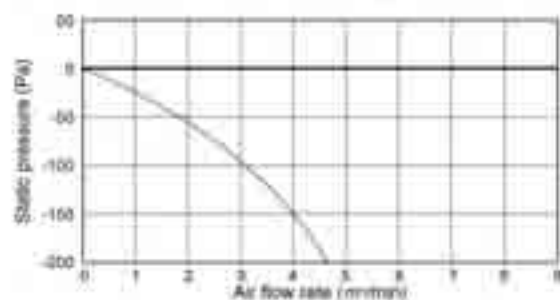


③ PLA-RP100/RP125/RP140AA2

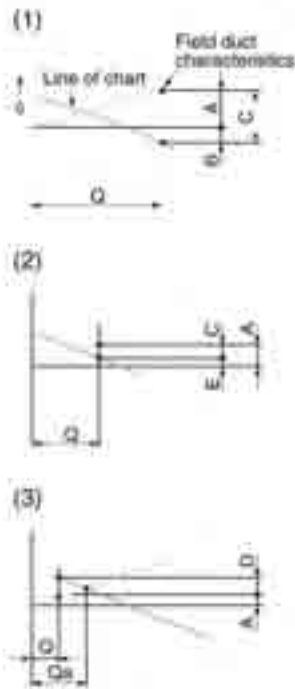
(at using of multi-function casement, standard filter)



④ PLA-RP100/RP125/RP140AA2 (Direct intake to unit)



How to read the chart



Q ... Design fresh air intake volume (m^3/min)

A ... Static pressure loss [Pa] of fresh air intake duct at air flow rate of Q

B ... Required boost pressure [Pa] of air conditioner inlet at air flow rate of Q

C ... Required static pressure [Pa] of booster fan at air flow rate of Q

D ... Required compensation [Pa] for static pressure loss of fresh air intake duct to make air flow rate Q

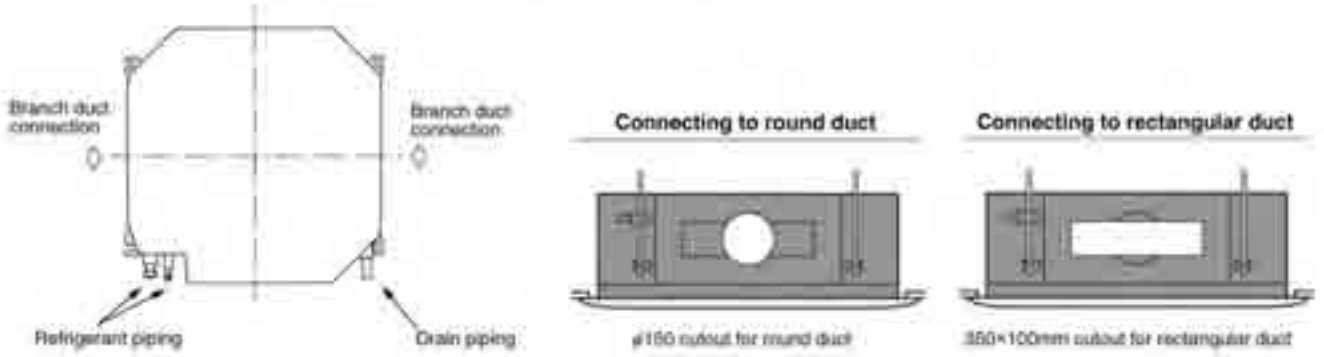
E ... Static pressure [Pa] of indoor unit at air flow rate of Q

Qa ... Estimated fresh air intake [m^3/min] without compensation of D



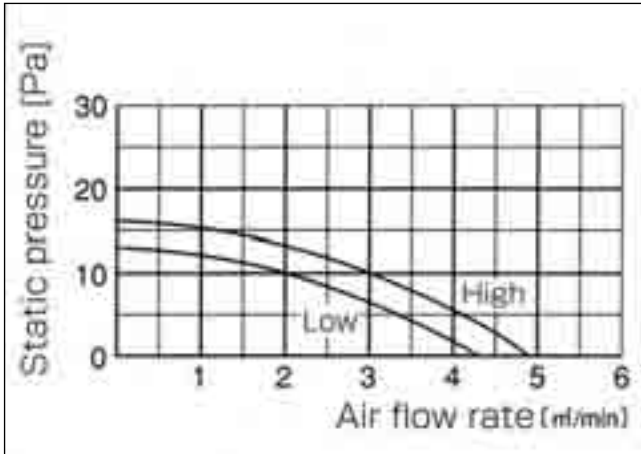
9-2-2. BRANCH DUCT (Installation at site)

To be compatible with both round and rectangular branch ducts, knockout holes are designed to fit to both shapes for flexible on-site installation.

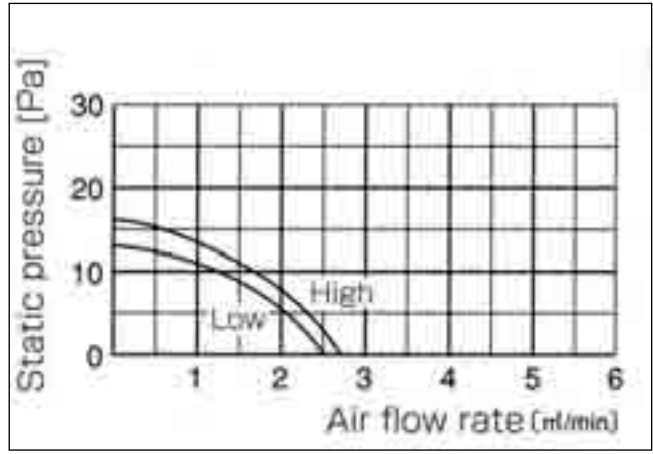


**Branch duct air flow rate/static pressure characteristics
PLA-RP35AA**

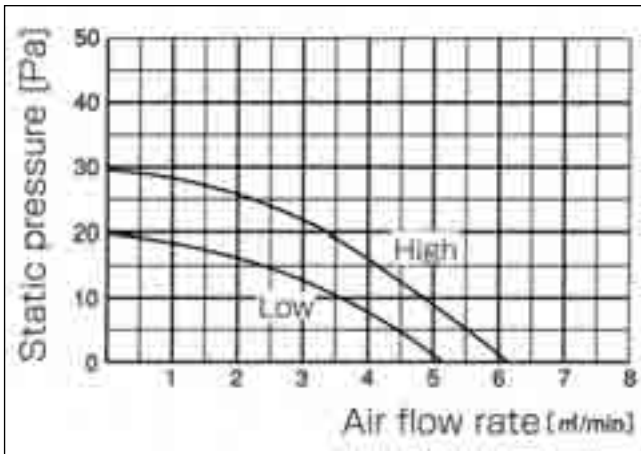
4-way air flow (horizontal vane) Rectangular duct



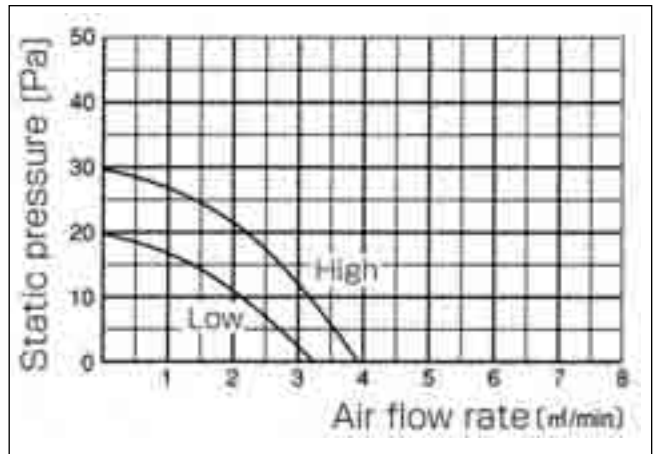
4-way air flow (horizontal vane) Round duct



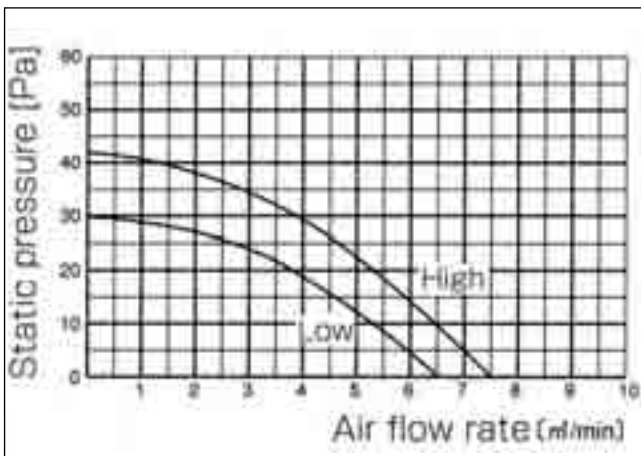
3-way air flow (horizontal vane) Rectangular duct



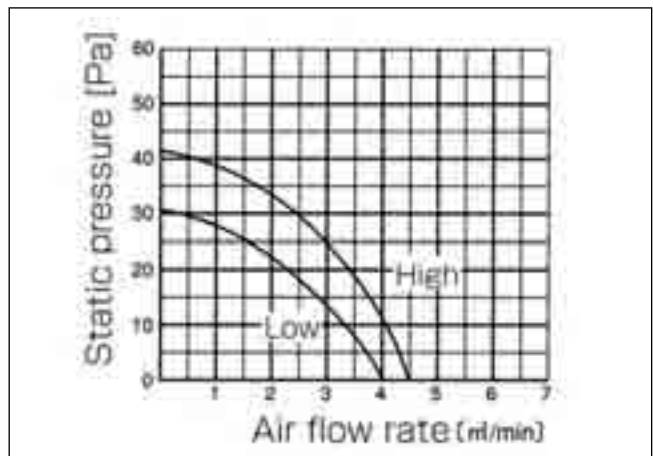
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

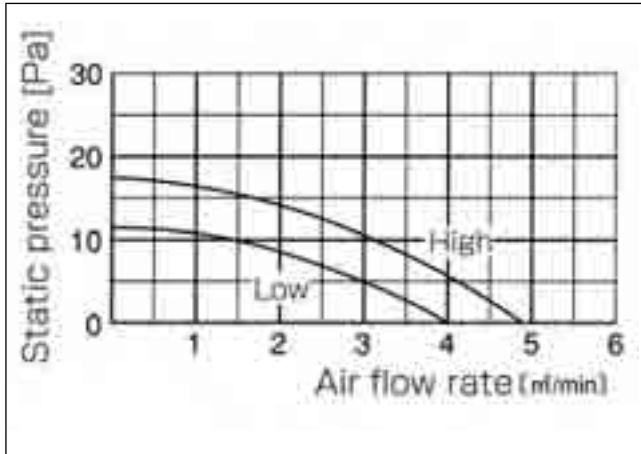


2-way air flow (horizontal vane) Round duct

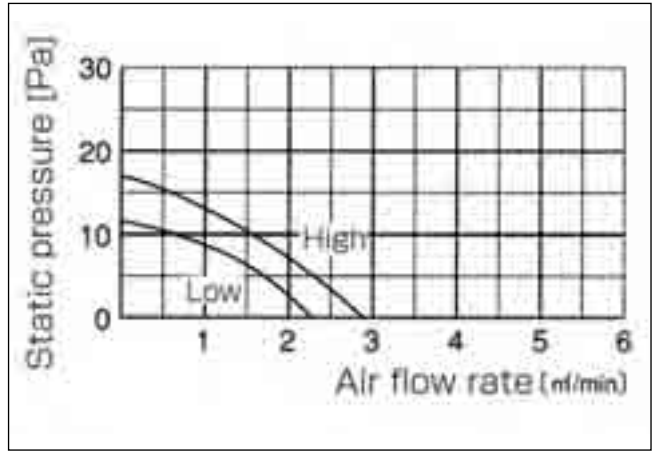


PLA-RP50AA
PLA-RP60AA

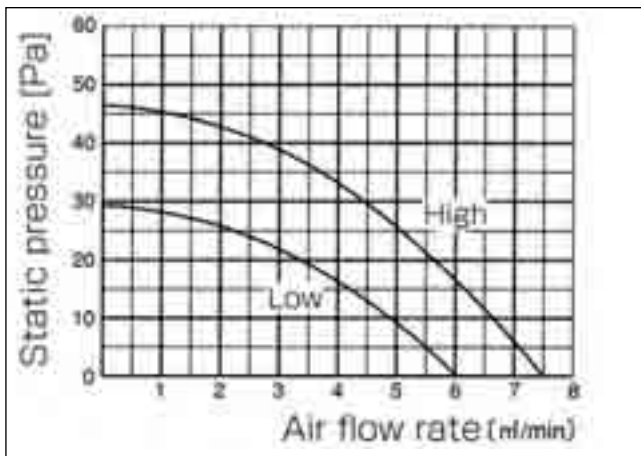
4-way air flow (horizontal vane) Rectangular duct



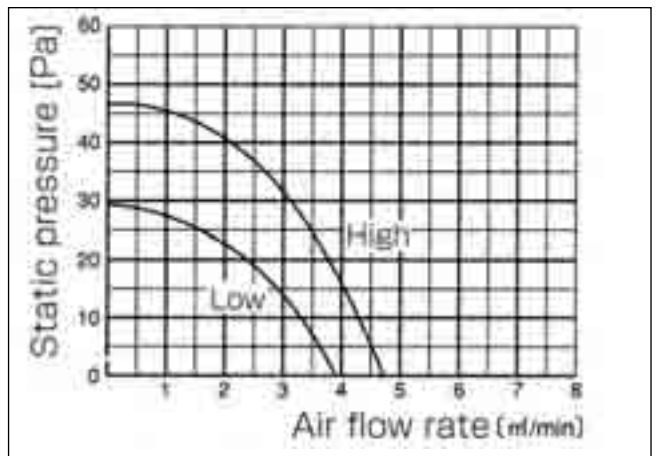
4-way air flow (horizontal vane) Round duct



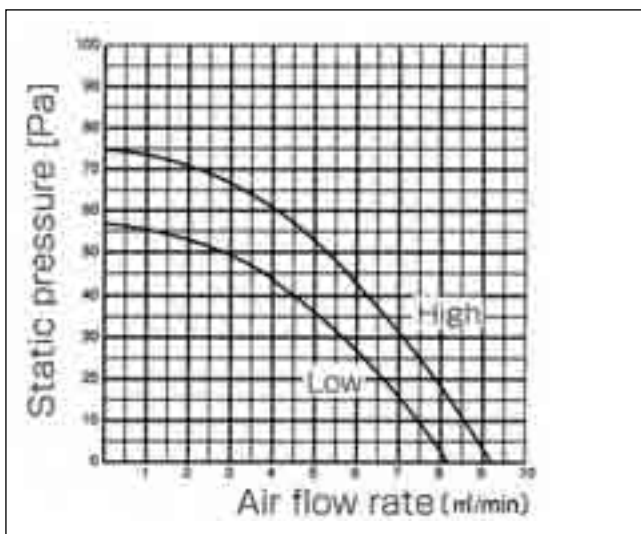
3-way air flow (horizontal vane) Rectangular duct



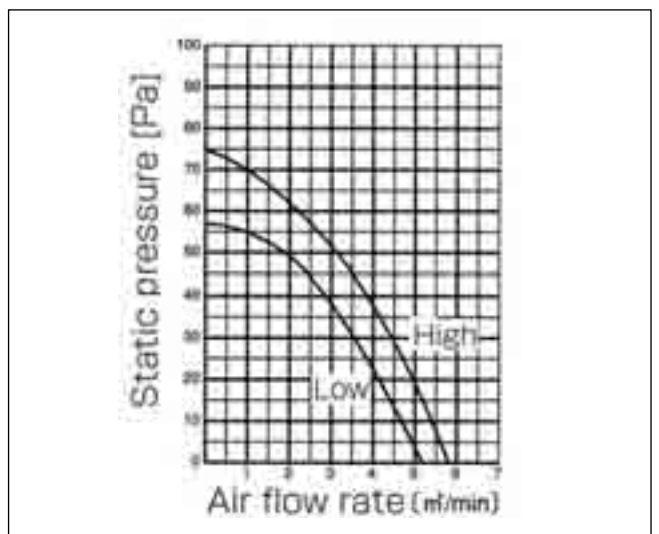
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

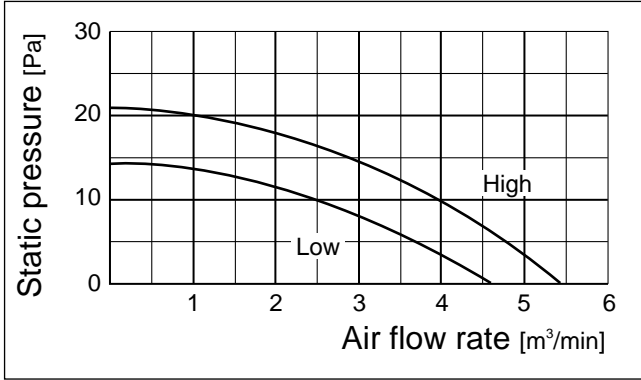


2-way air flow (horizontal vane) Round duct

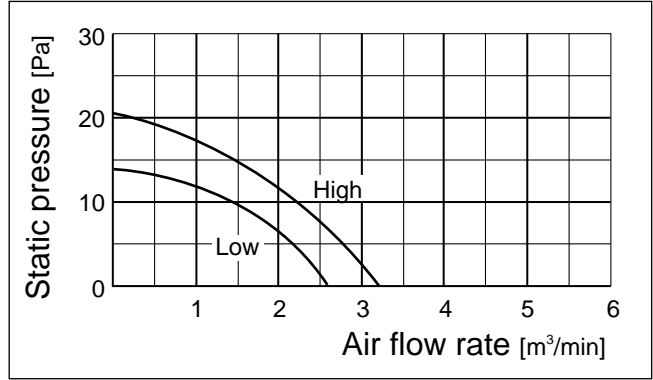


PLA-RP71AA

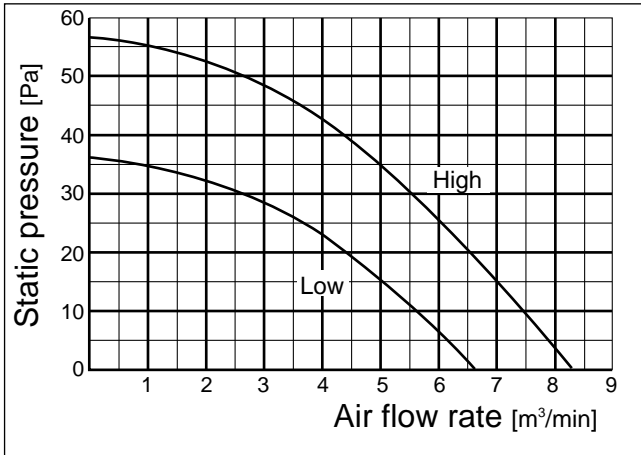
4-way air flow (horizontal vane) Rectangular duct



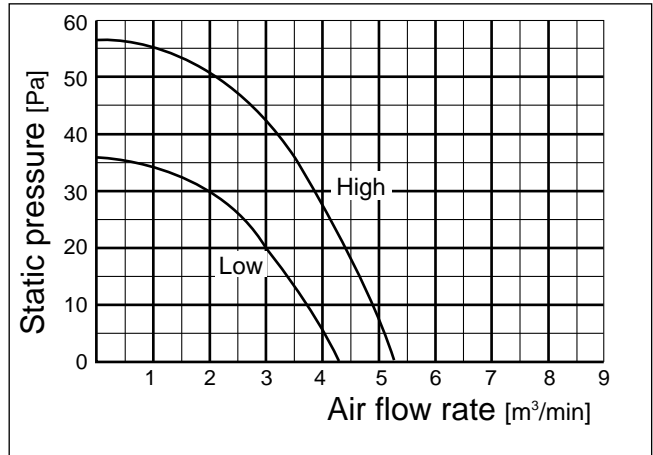
4-way air flow (horizontal vane) Round duct



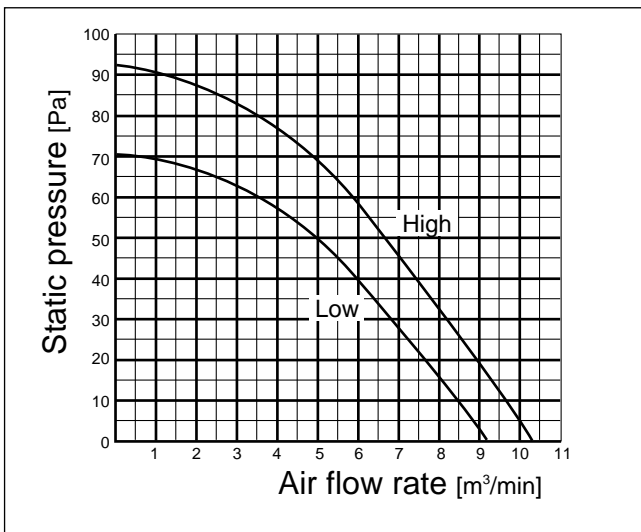
3-way air flow (horizontal vane) Rectangular duct



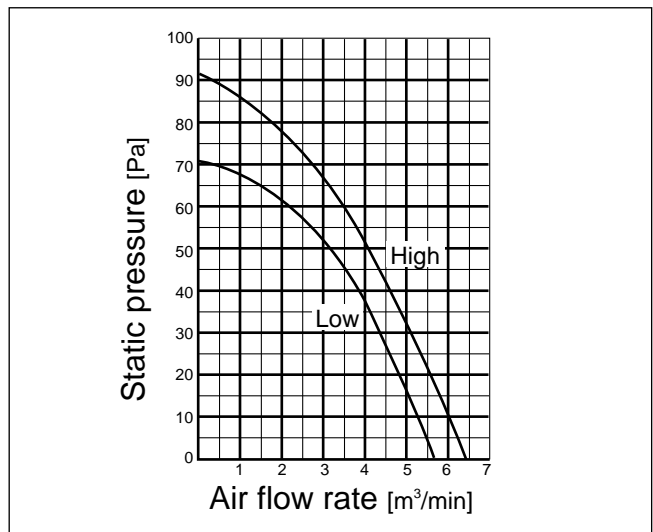
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

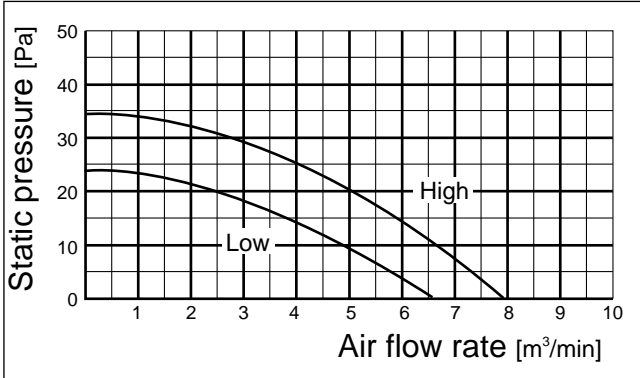


2-way air flow (horizontal vane) Round duct

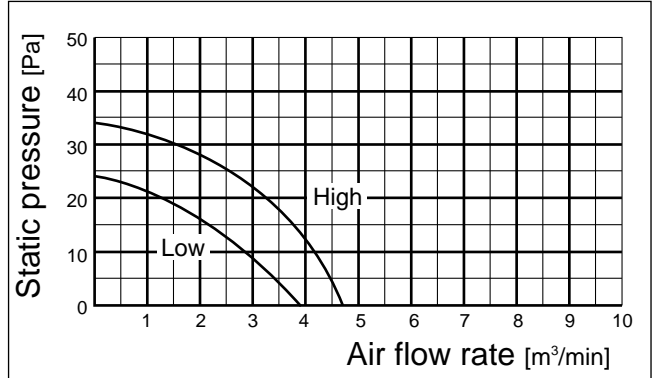


PLA-RP100AA2

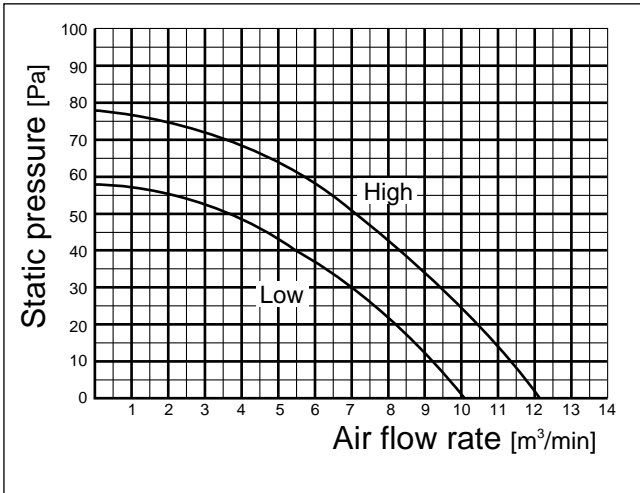
4-way air flow (horizontal vane) Rectangular duct



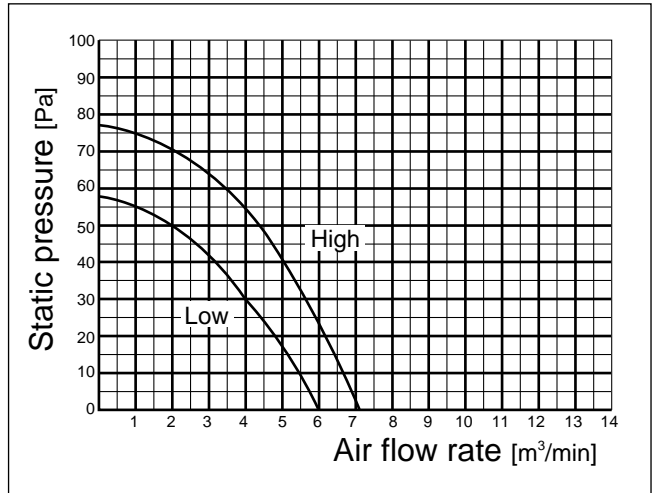
4-way air flow (horizontal vane) Round duct



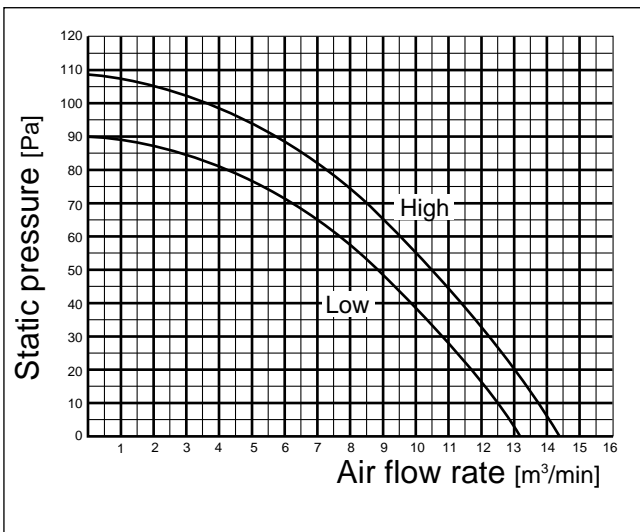
3-way air flow (horizontal vane) Rectangular duct



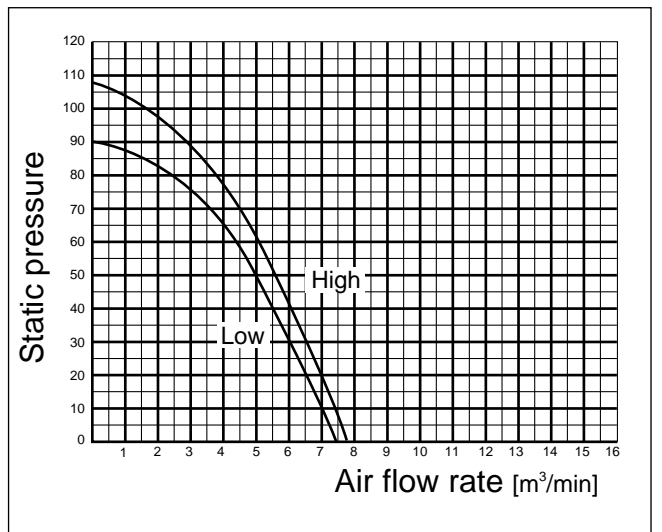
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

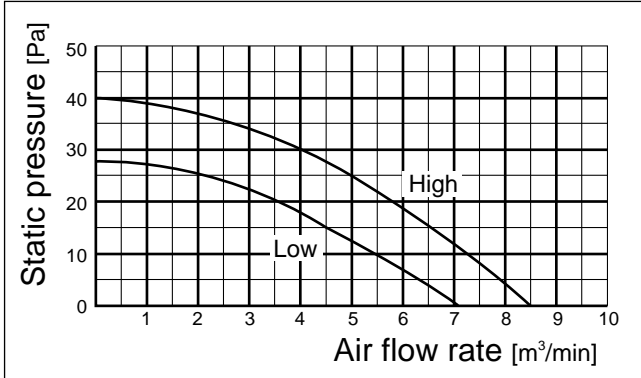


2-way air flow (horizontal vane) Round duct

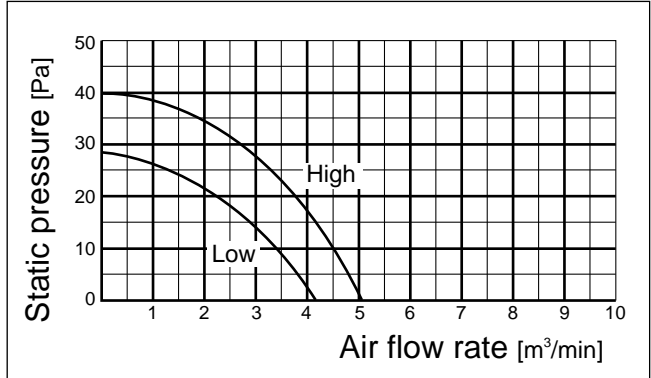


PLA-RP125AA2
PLA-RP140AA2

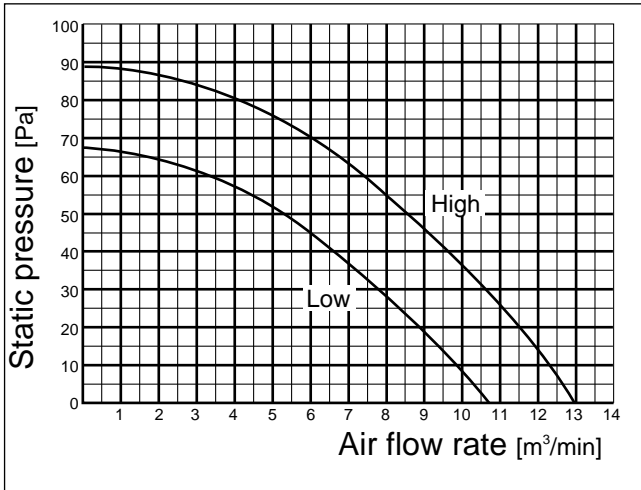
4-way air flow (horizontal vane) Rectangular duct



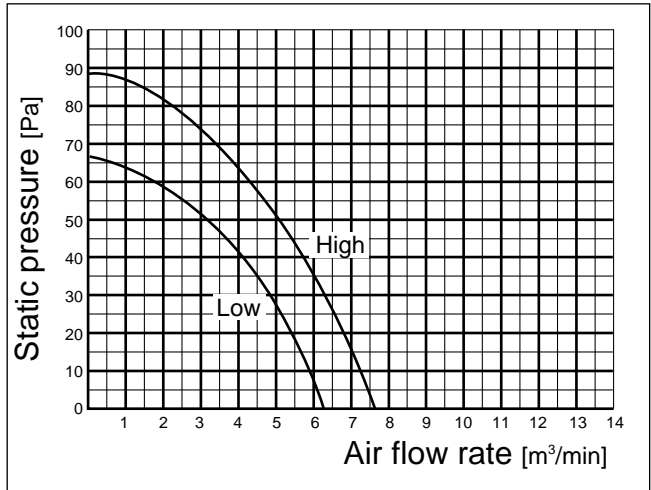
4-way air flow (horizontal vane) Round duct



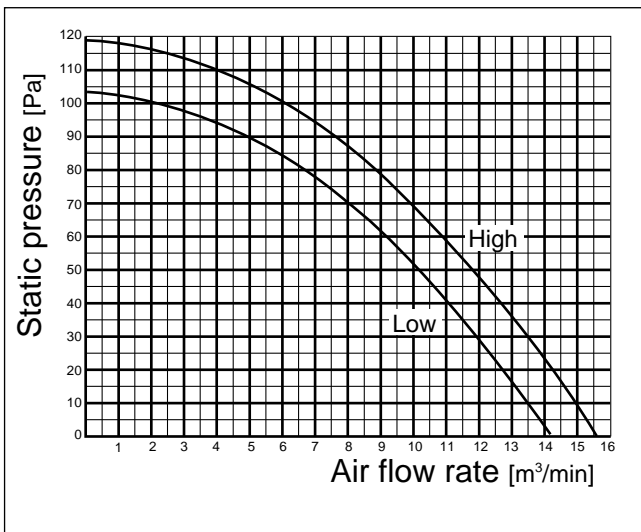
3-way air flow (horizontal vane) Rectangular duct



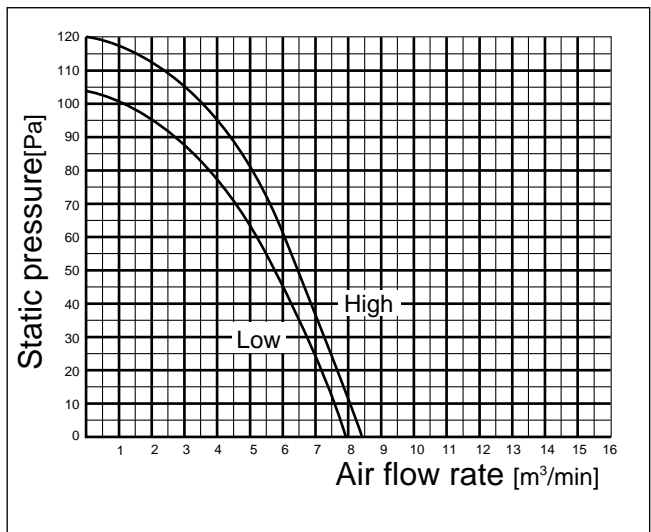
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

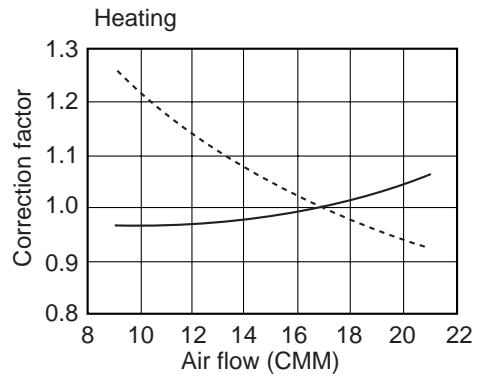
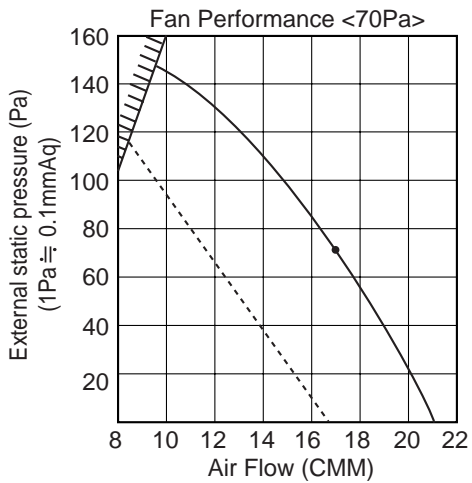
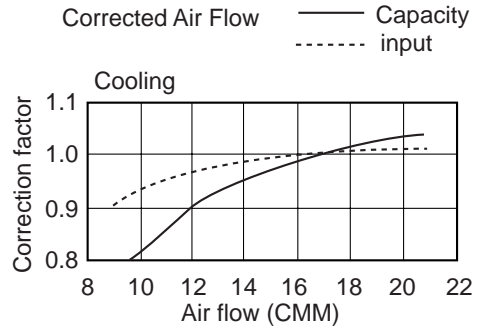
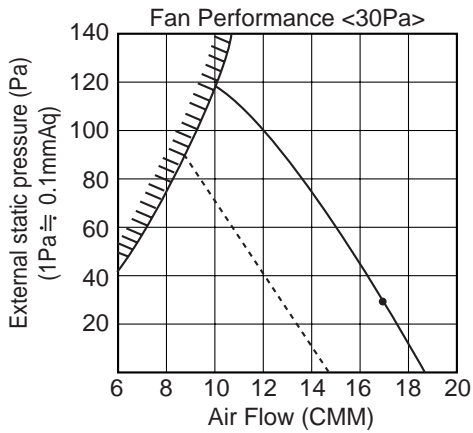


2-way air flow (horizontal vane) Round duct

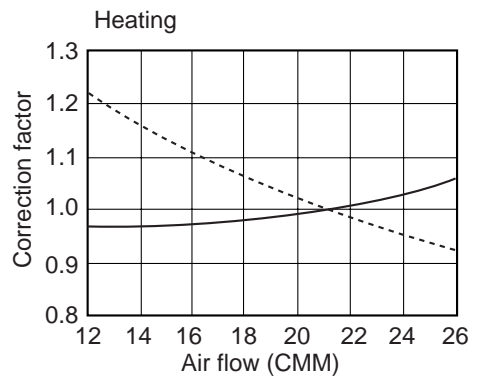
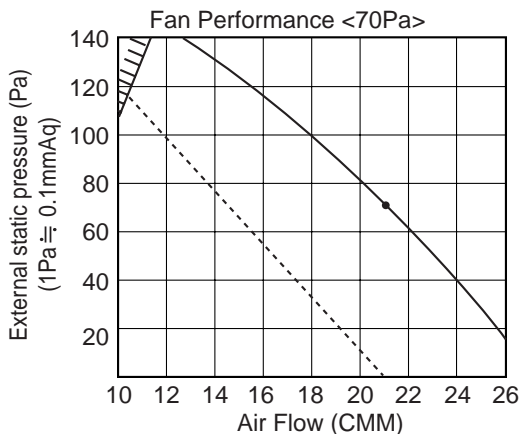
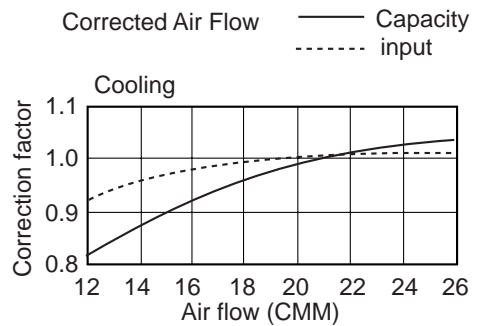
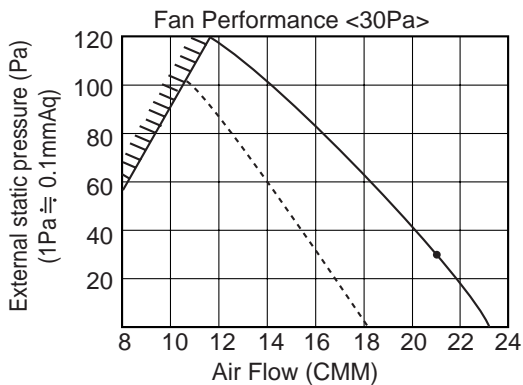


9-3. PEAD-RP-EA, EA2, GA FAN PERFORMANCE AND CORRECTED AIR FLOW

PEAD-RP35EA2 PEAD-RP50EA

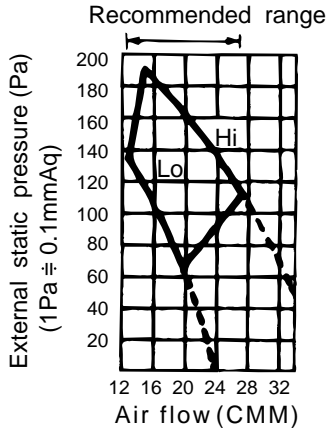


PEAD-RP60EA

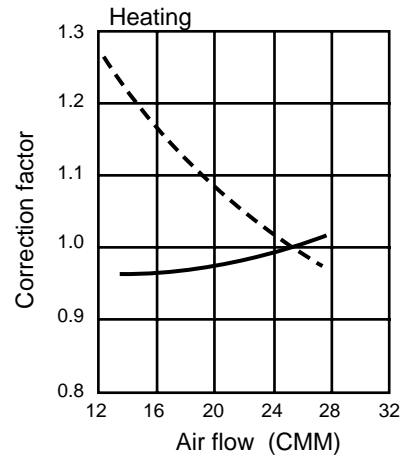
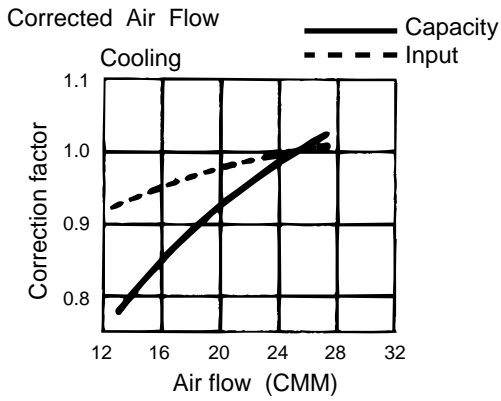
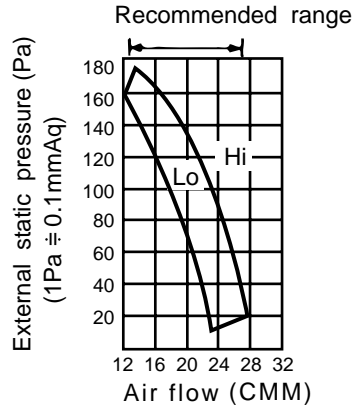


PEAD-RP71EA

Fan performance <130Pa>

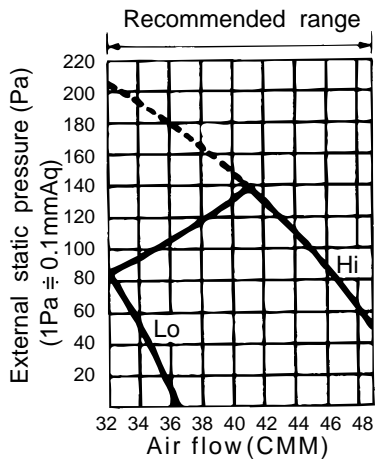


Fan performance <70Pa>

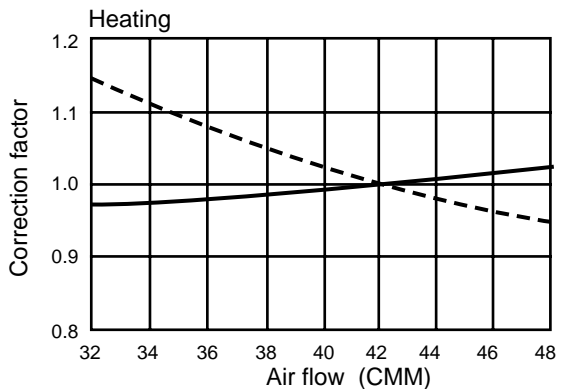
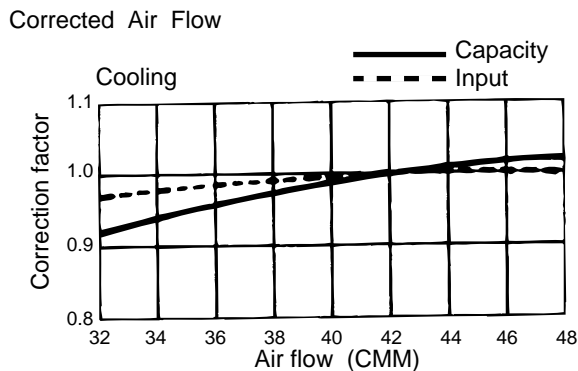
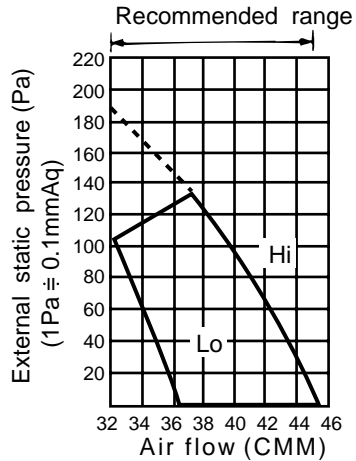


PEAD-RP100EA2 PEAD-RP125EA

Fan performance <130Pa>

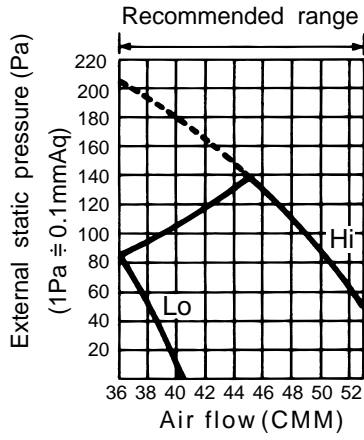


Fan performance <70Pa>

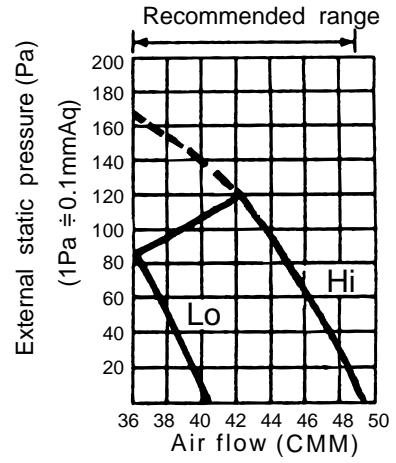


PEAD-RP140EA

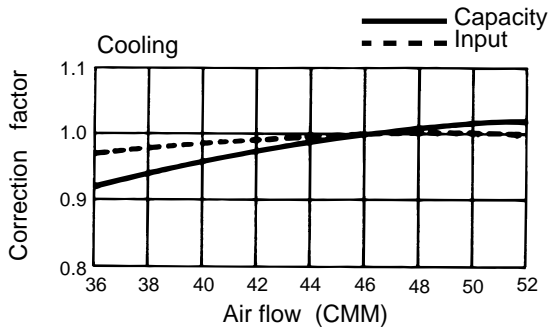
Fan performance <130Pa>



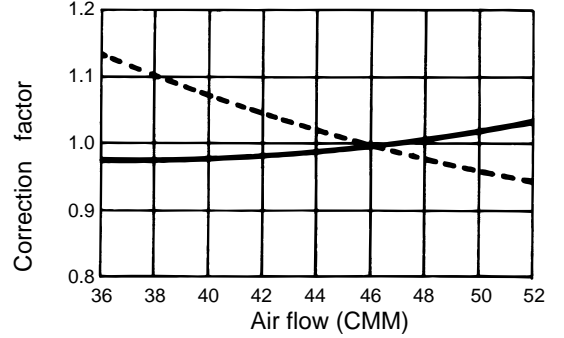
Fan performance <70Pa>



Corrected Air Flow

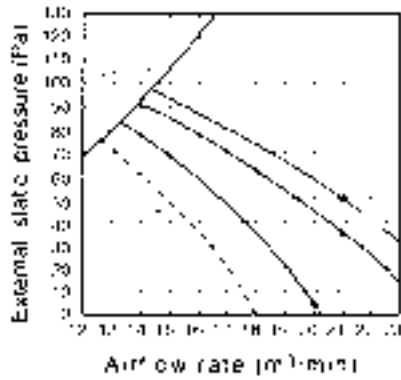


Heating

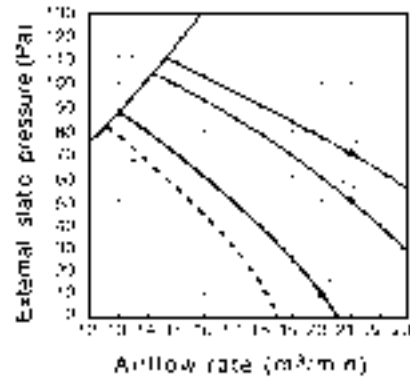


PEAD-RP60GA

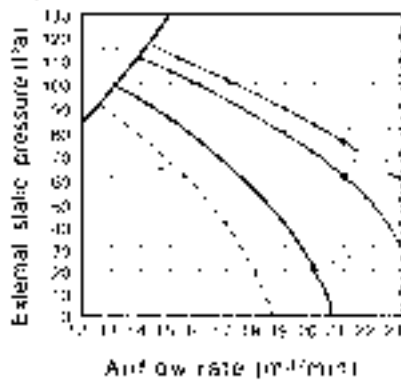
Fan performance <220V>



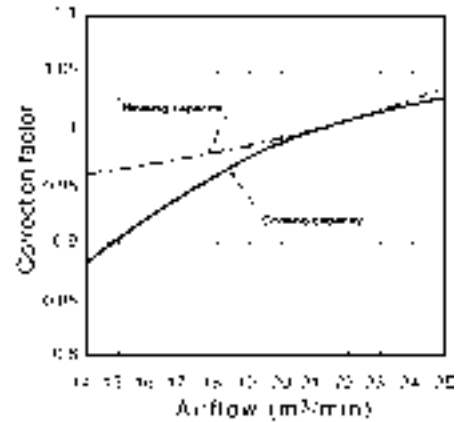
Fan performance <230V>



Fan performance <240V>

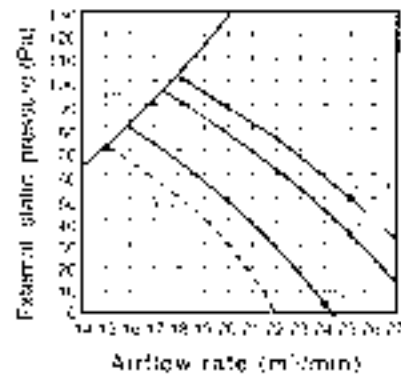


Corrected air flow

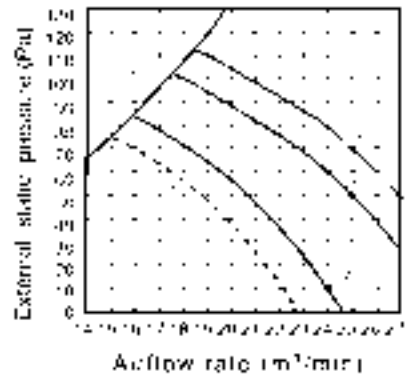


PEAD-RP71GA

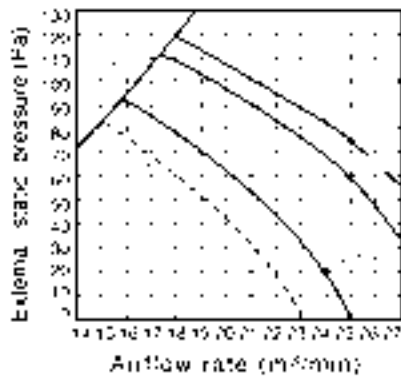
Fan performance <220V>



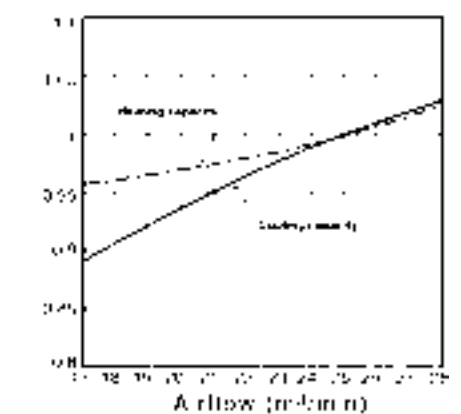
Fan performance <230V>



Fan performance <240V>

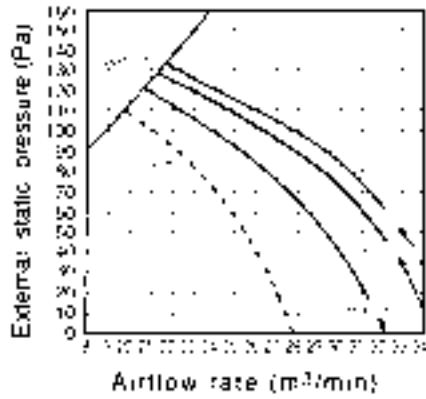


Corrected air flow

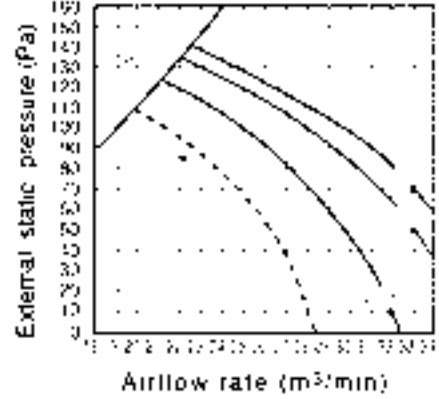


PEAD-RP100GA

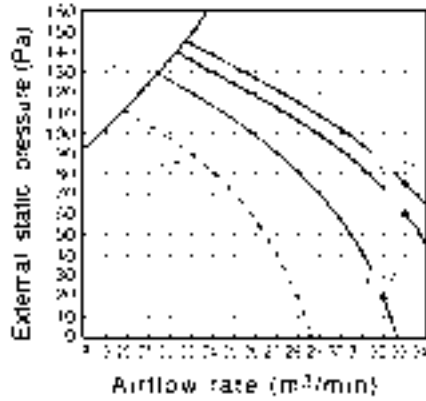
Fan performance <220V>



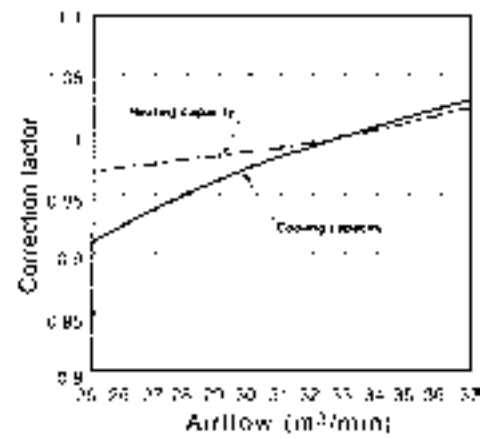
Fan performance <230V>



Fan performance <240V>

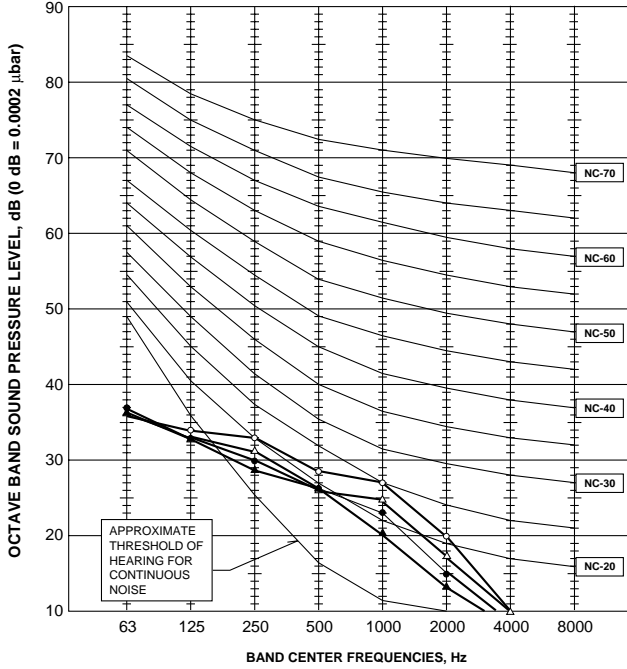


Corrected air flow



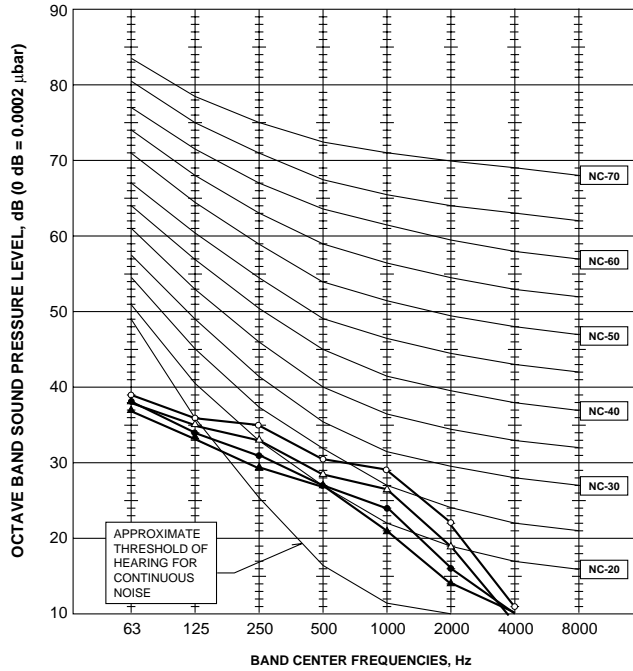
PLA-RP35AA

NOTCH	SPL(dB)	LINE
High	31	○—○
Medium1	29	△—△
Medium2	28	●—●
Low	27	▲—▲



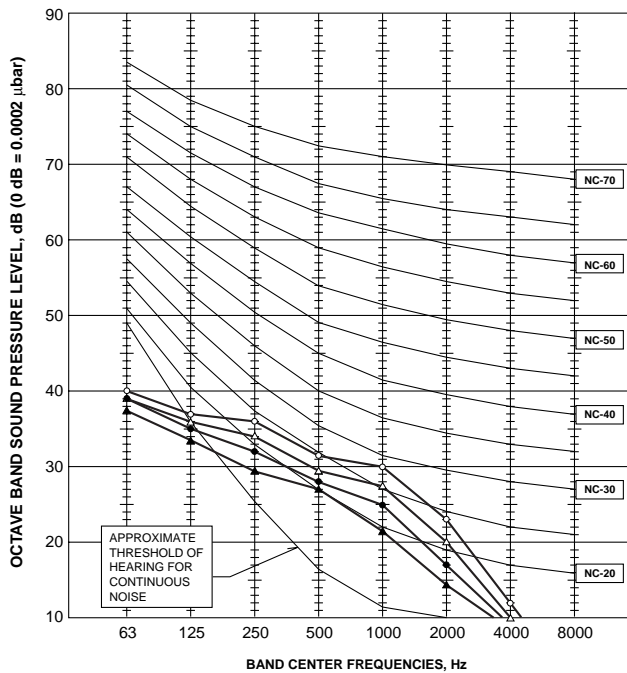
PLA-RP50AA
PLA-RP60AA

NOTCH	SPL(dB)	LINE
High	33	○—○
Medium1	31	△—△
Medium2	29	●—●
Low	28	▲—▲



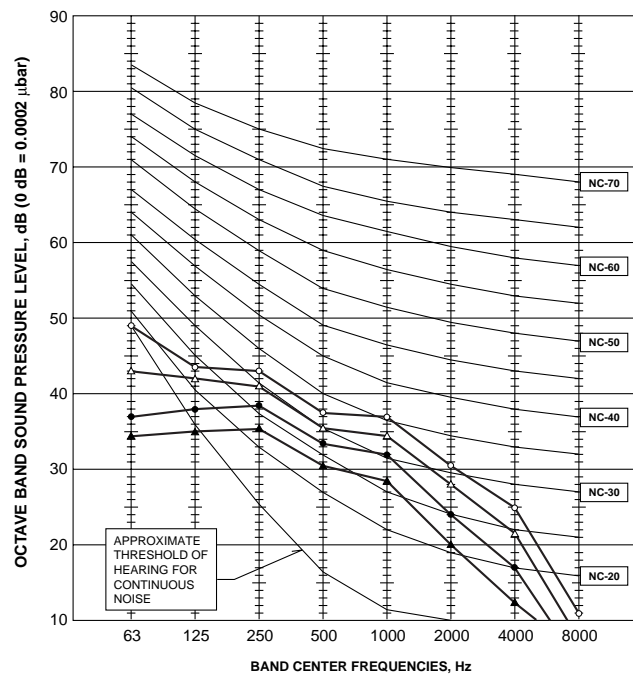
PLA-RP71AA

NOTCH	SPL(dB)	LINE
High	34	○—○
Medium1	32	△—△
Medium2	30	●—●
Low	28	▲—▲



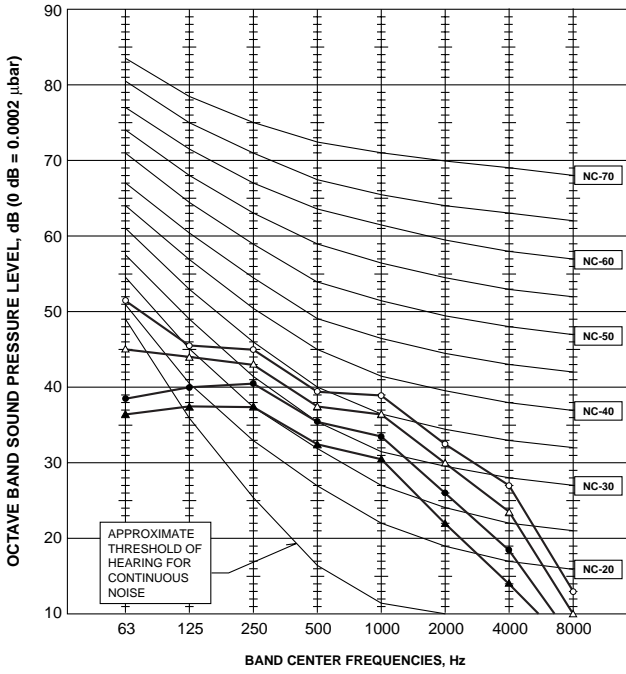
PLA-RP100AA2

NOTCH	SPL(dB)	LINE
High	41	○—○
Medium1	39	△—△
Medium2	36	●—●
Low	33	▲—▲



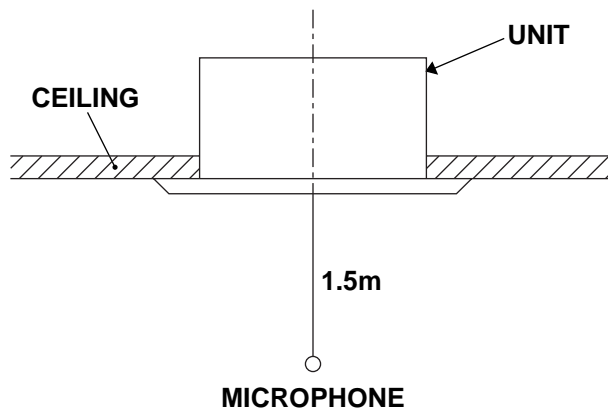
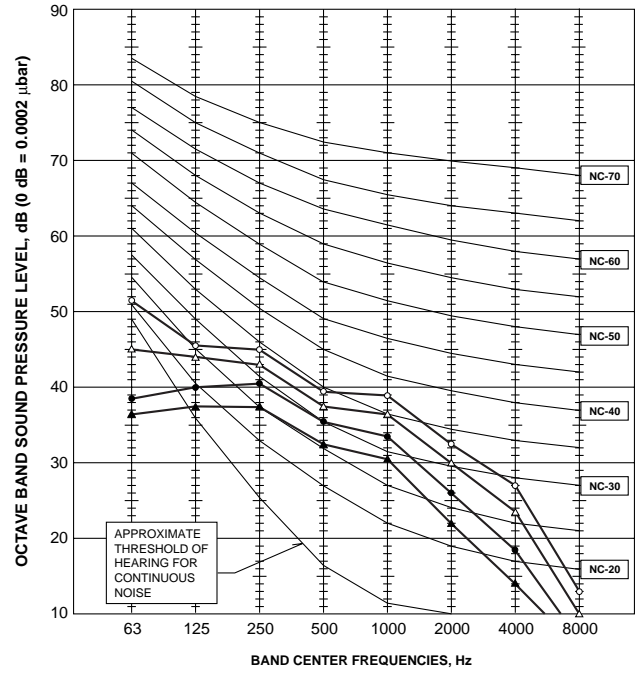
PLA-RP125AA2

NOTCH	SPL(dB)	LINE
High	45	○—○
Medium1	43	△—△
Medium2	40	●—●
Low	37	▲—▲



PLA-RP140AA2

NOTCH	SPL(dB)	LINE
High	45	○—○
Medium1	43	△—△
Medium2	40	●—●
Low	37	▲—▲



Ceiling concealed



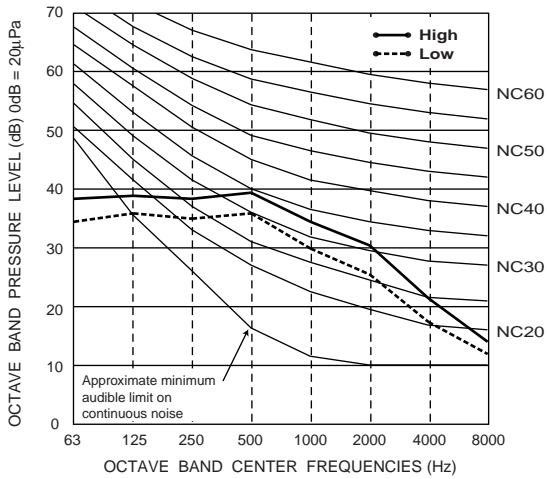
Noise level in the room (normal Low Light)

Unit: dB(A)

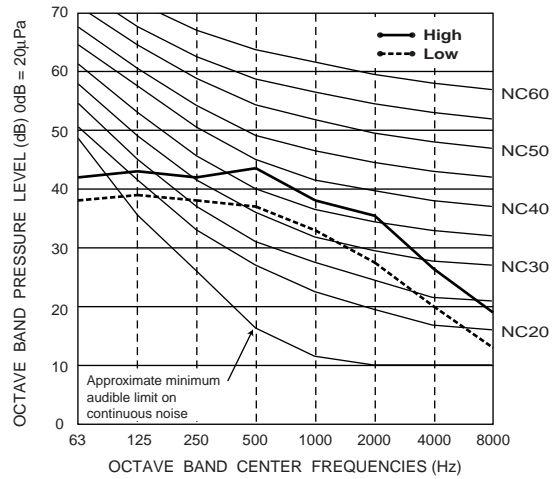
Model	External static pressure		
	30Pa	70Pa	100Pa
PEAD-RP35EA2	36-41	38-44	-
PEAD-RP50EA	36-43	38-44	-
PEAD-RP60EA	37-41	39-47	-
PEAD-RP71EA	-	37-41	40-45
PEAD-RP100EA2	-	44-50	46-52
PEAD-RP125EA	-	44-50	46-52
PEAD-RP140EA	-	46-51	47-53

○ Optional model

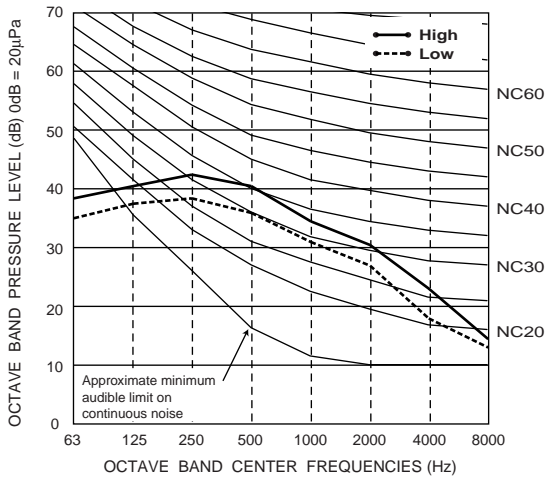
PEAD-RP35EA2 (External static pressure 30Pa)
PEAD-RP50EA



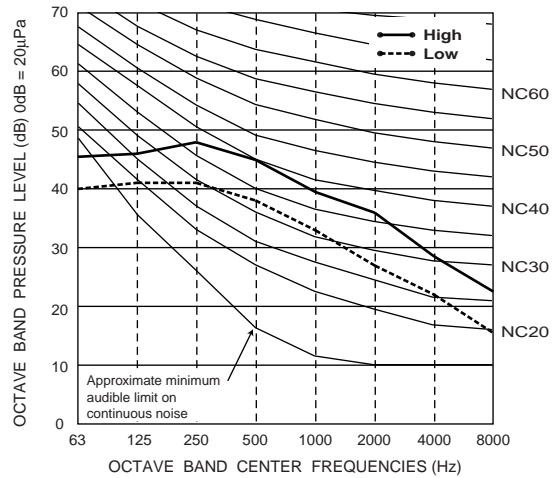
PEAD-RP35EA2 (External static pressure 70Pa)
PEAD-RP50EA

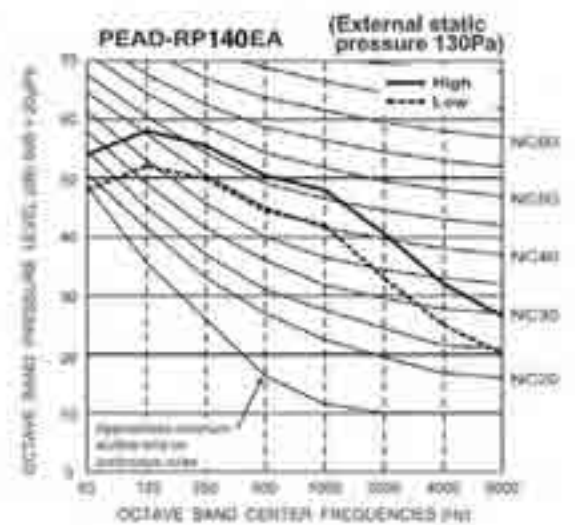
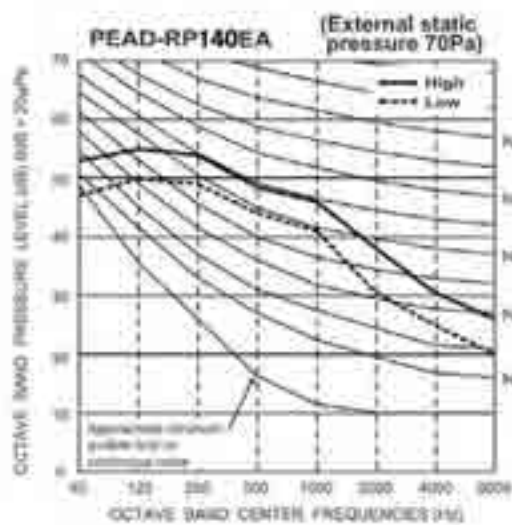
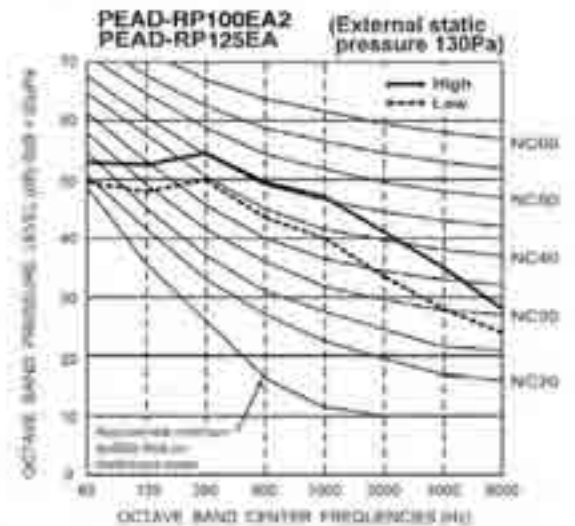
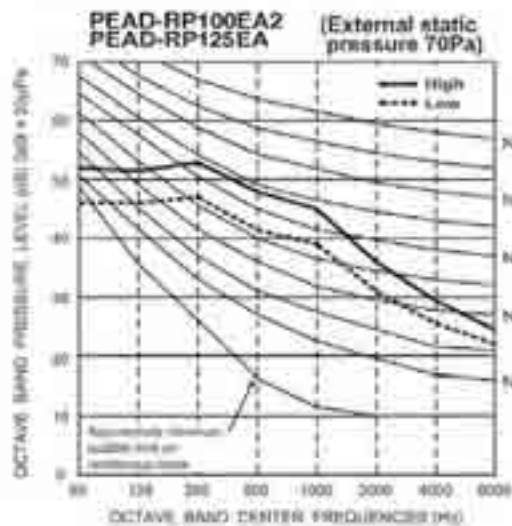
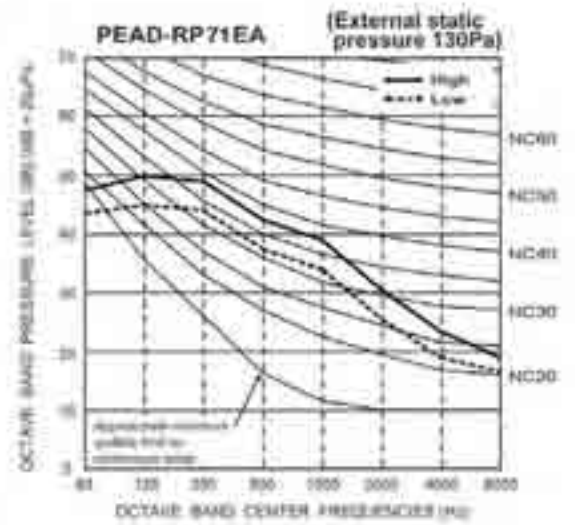
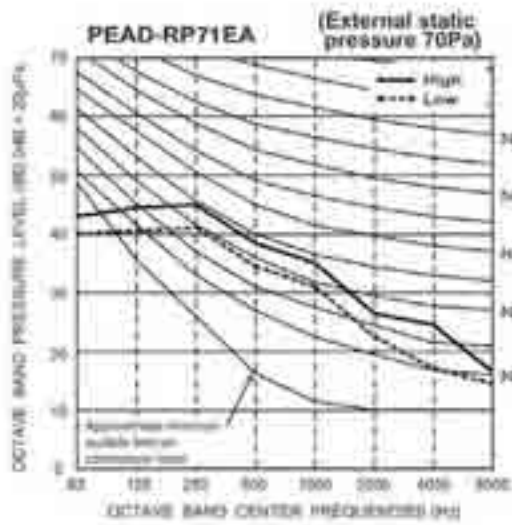


PEAD-RP60EA (External static pressure 30Pa)



PEAD-RP60EA (External static pressure 70Pa)



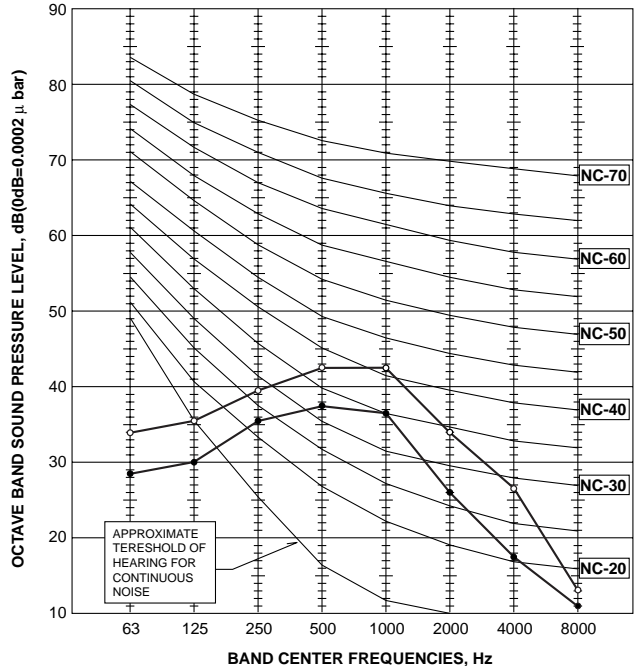
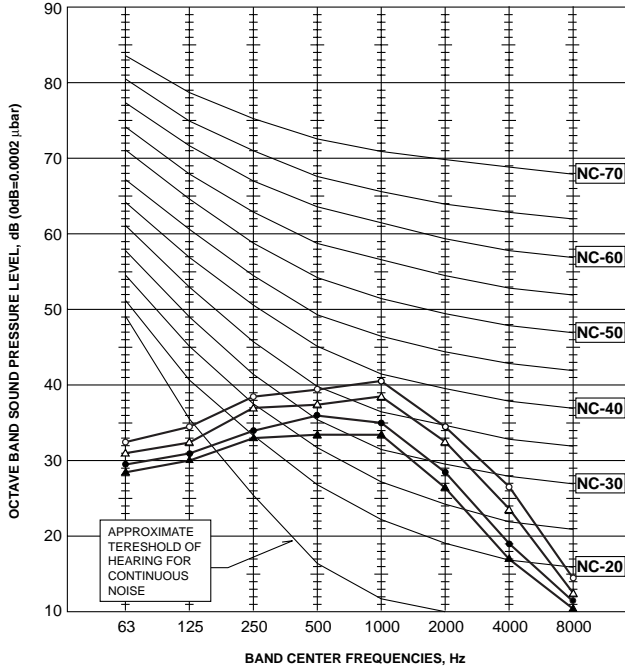


**PKA-RP35GAL
PKA-RP50GAL**

NOTCH	SPL(dB)	LINE
High	43	○—○
Medium1	41	△—△
Medium2	38	●—●
Low	36	▲—▲

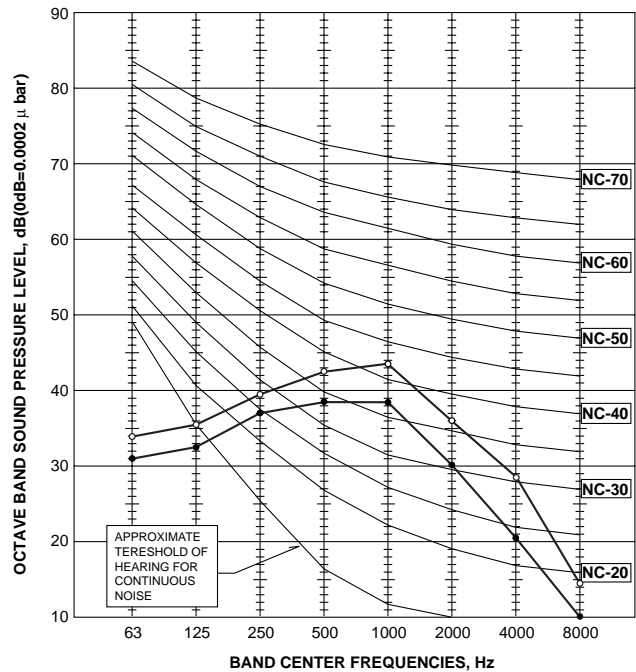
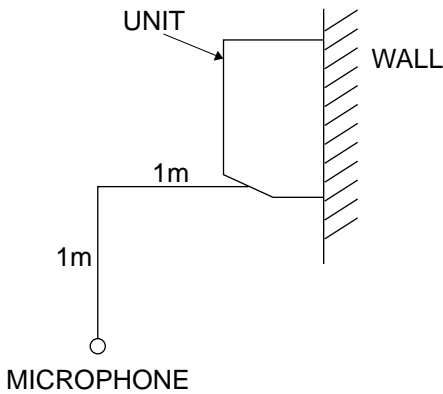
**PKA-RP50FAL2
PKA-RP60FAL
PKA-RP71FAL**

NOTCH	SPL(dB)	LINE
High	45	○—○
Low	39	●—●



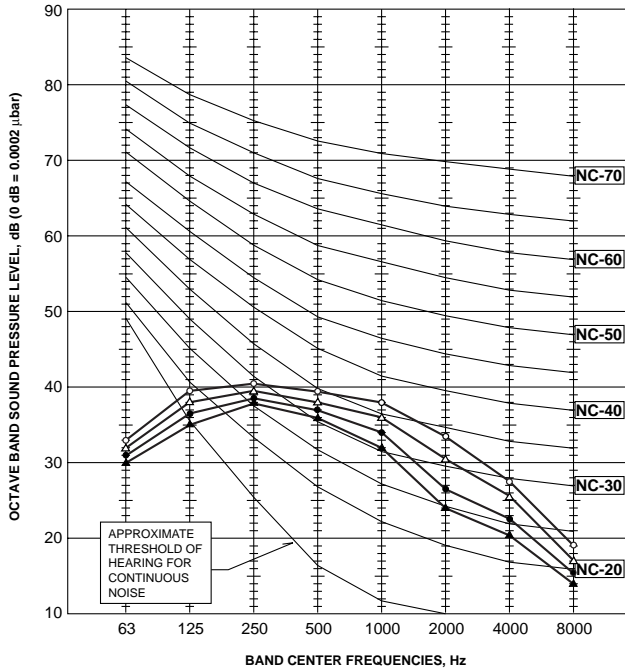
PKA-RP100FAL

NOTCH	SPL(dB)	LINE
High	46	○—○
Low	41	●—●



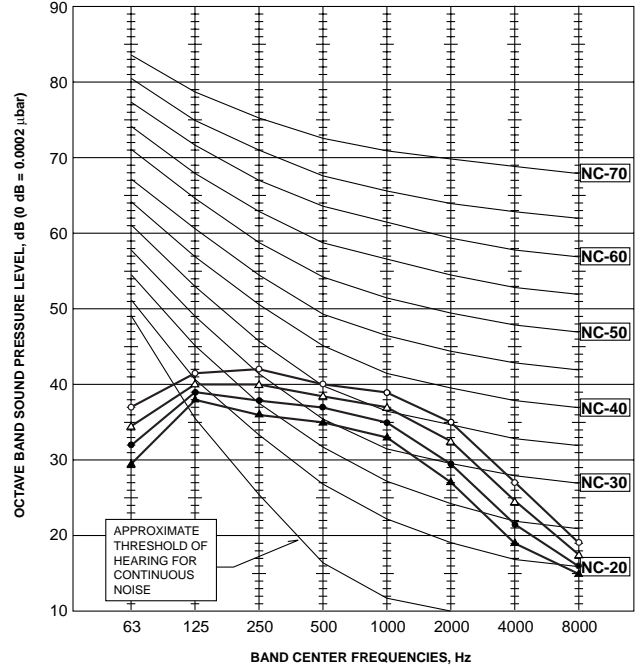
PCA-RP50GA

NOTCH	SPL(dB)	LINE
High	42	○—○
Medium1	40	△—△
Medium2	38	●—●
Low	37	▲—▲



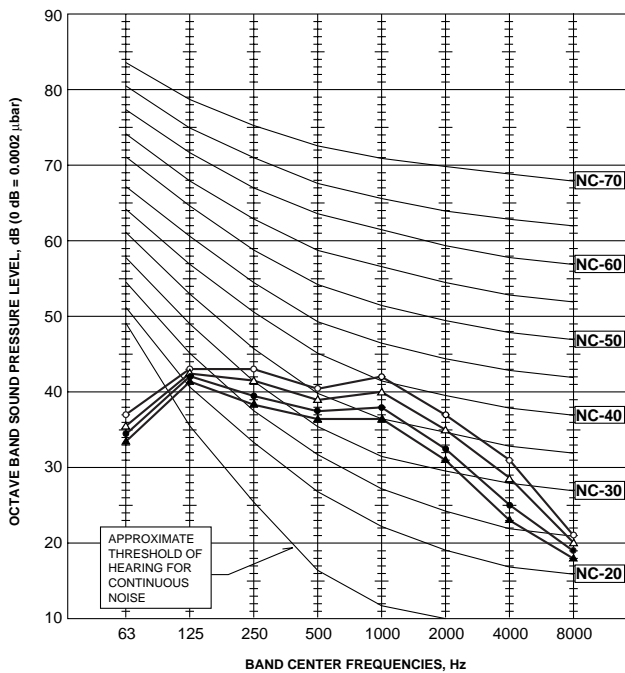
PCA-RP50GA2 PCA-RP60GA PCA-RP71GA

NOTCH	SPL(dB)	LINE
High	43	○—○
Medium1	41	△—△
Medium2	39	●—●
Low	37	▲—▲



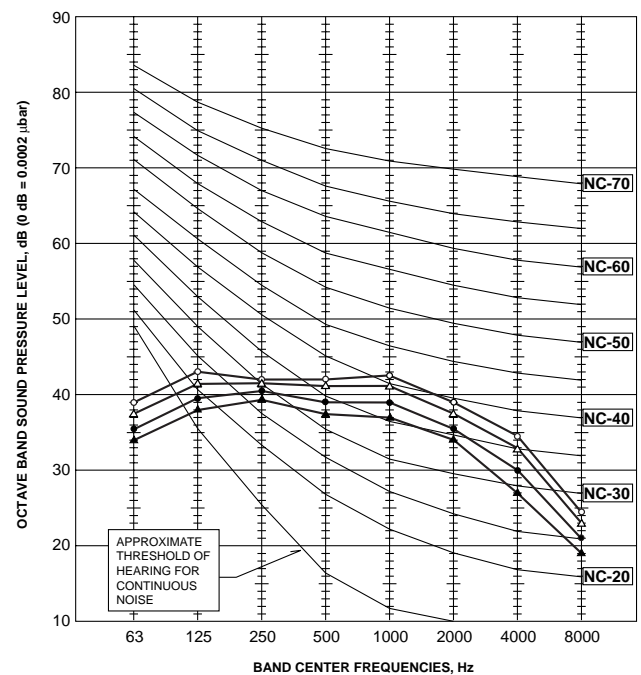
PCA-RP100GA

NOTCH	SPL(dB)	LINE
High	45	○—○
Medium1	43	△—△
Medium2	41	●—●
Low	40	▲—▲



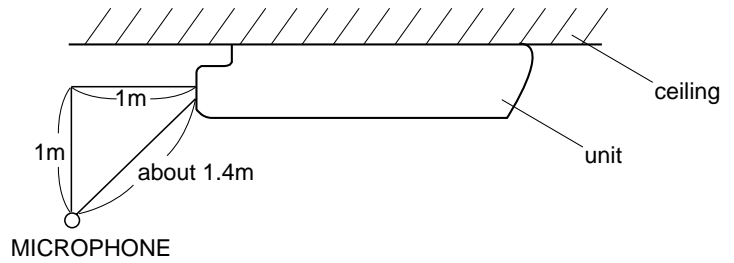
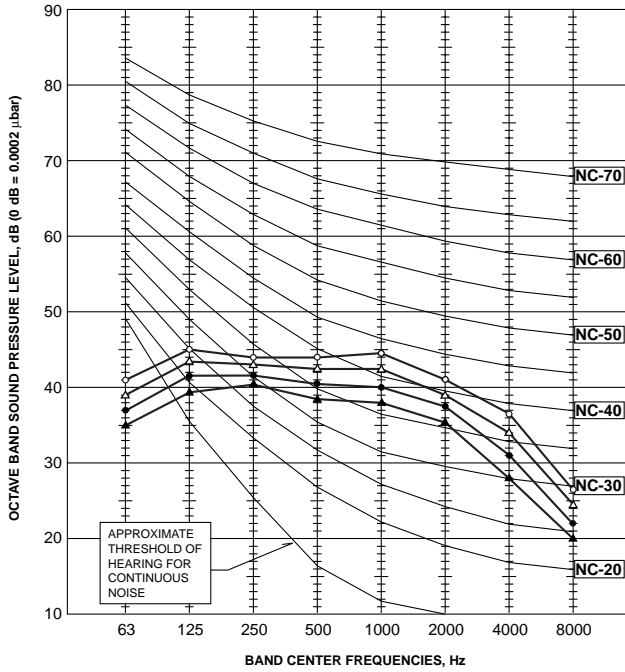
PCA-RP125GA

NOTCH	SPL(dB)	LINE
High	46	○—○
Medium1	45	△—△
Medium2	43	●—●
Low	41	▲—▲



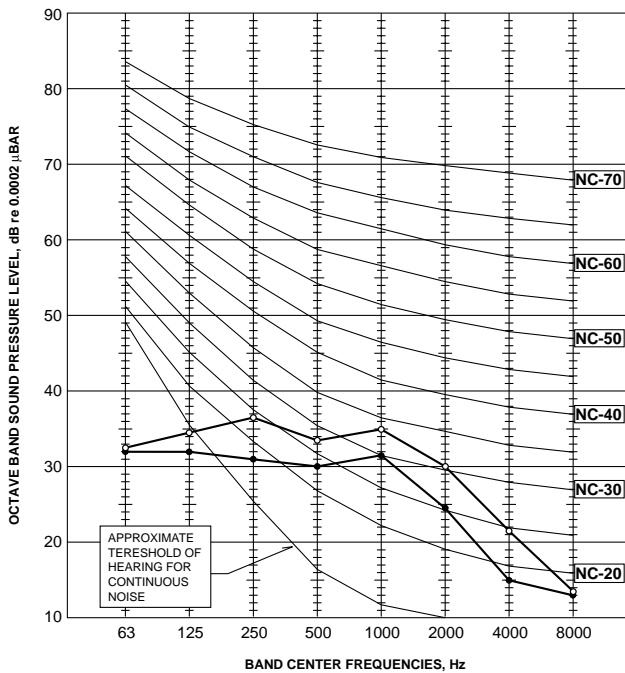
PCA-RP140GA

NOTCH	SPL(dB)	LINE
High	48	○—○
Medium1	46	△—△
Medium2	44	●—●
Low	42	▲—▲



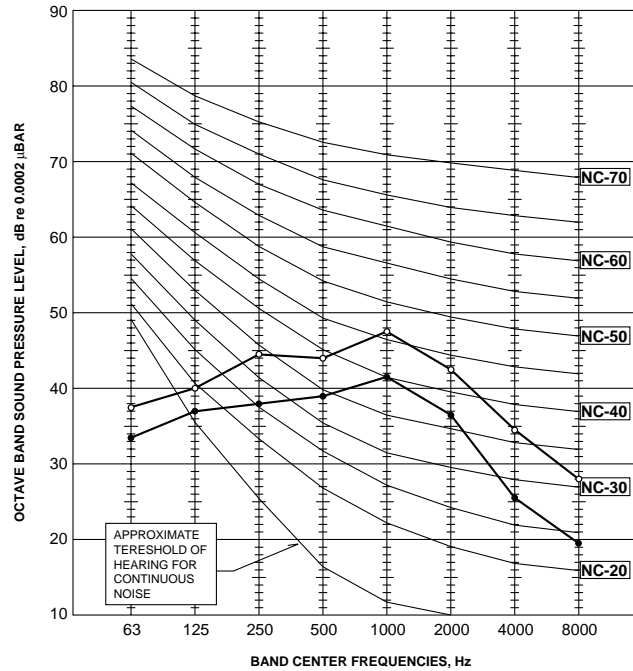
PCA-RP71HA

NOTCH	SPL(dB)	LINE
High	38	○—○
Low	34	●—●



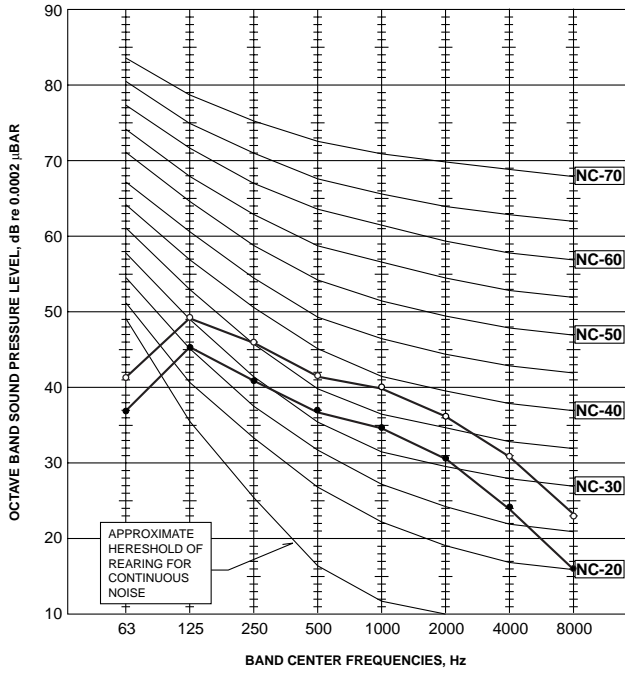
PCA-RP125HA

NOTCH	SPL(dB)	LINE
High	50	○—○
Low	44	●—●



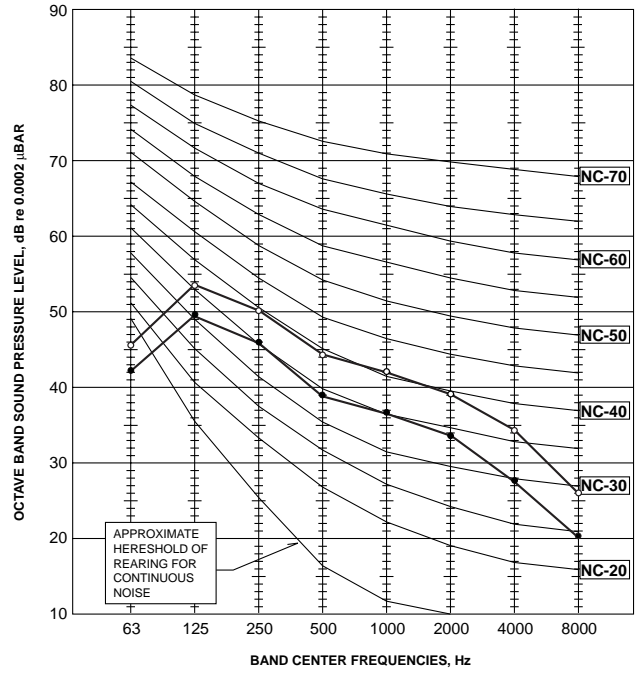
PSA-RP71GA

NOTCH	SPL(dB)	LINE
High	45	○—○
Low	40	●—●



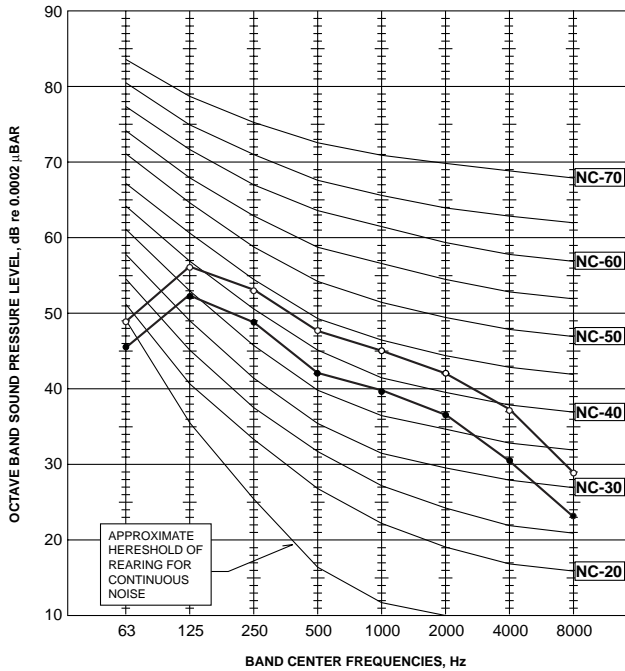
PSA-RP100GA

NOTCH	SPL(dB)	LINE
High	49	○—○
Low	44	●—●



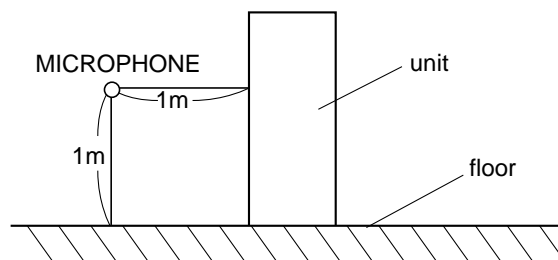
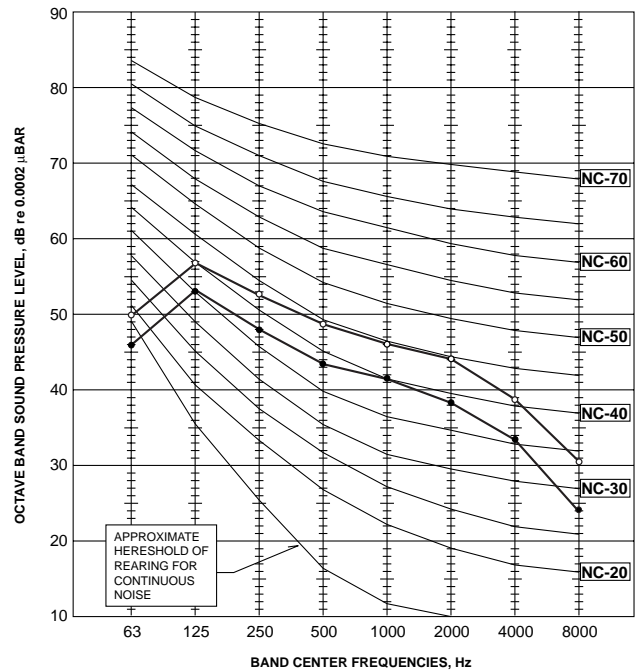
PSA-RP125GA

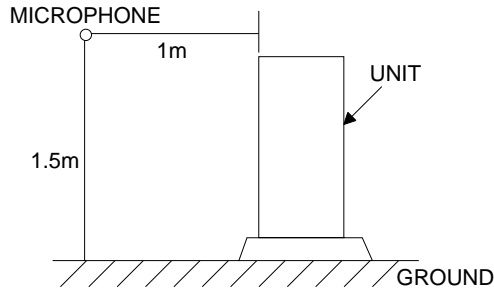
NOTCH	SPL(dB)	LINE
High	51	○—○
Low	46	●—●



PSA-RP140GA

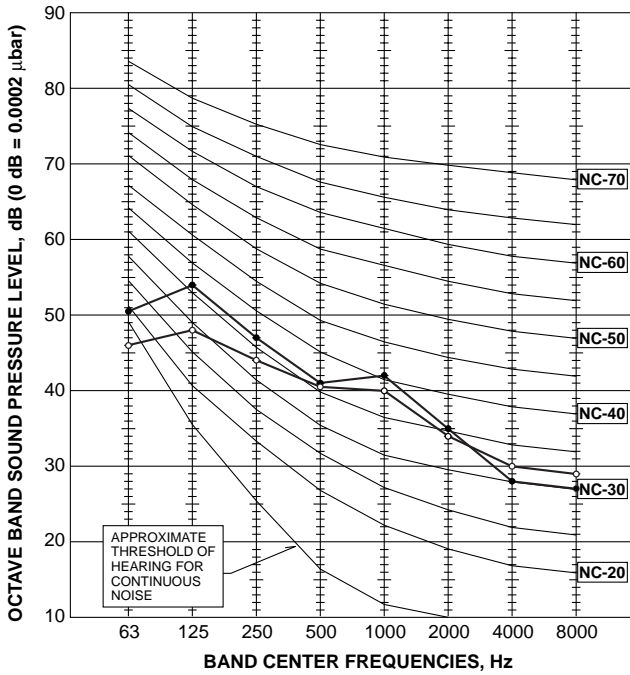
NOTCH	SPL(dB)	LINE
High	52	○—○
Low	47	●—●





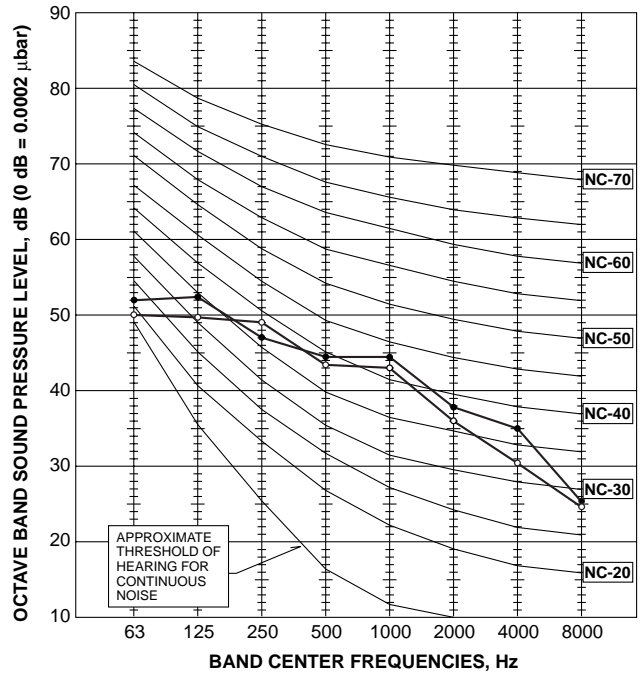
**PUHZ-RP35VHA2
PUHZ-RP50VHA2**

MODE	SPL(dB)	LINE
COOLING	44	○—○
HEATING	46	●—●



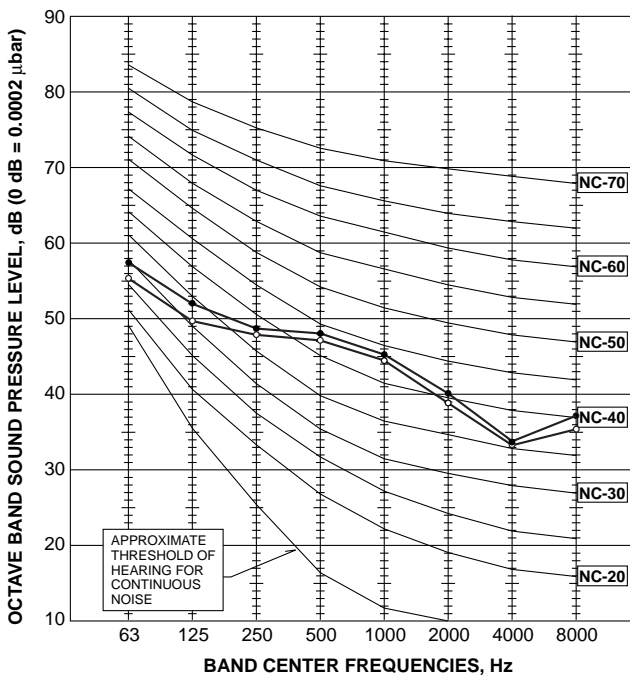
**PUHZ-RP60VHA2
PUHZ-RP71VHA2**

MODE	SPL(dB)	LINE
COOLING	47	○—○
HEATING	48	●—●



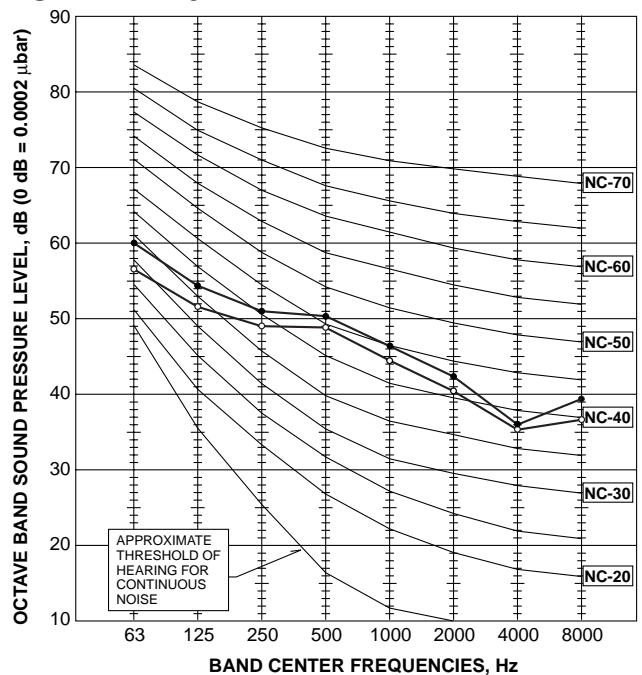
**PUHZ-RP100VHA2
PUHZ-RP100YHA2**

MODE	SPL(dB)	LINE
COOLING	49	○—○
HEATING	51	●—●



**PUHZ-RP125VHA2
PUHZ-RP140VHA2
PUHZ-RP125YHA2
PUHZ-RP140YHA2**

MODE	SPL(dB)	LINE
COOLING	50	○—○
HEATING	52	●—●



11-1. INDOOR UNIT

Part Name		Model Name	Applicable model	
Remote sensor		PAC-SE41TS-E	All models	
Remote operation adapter		PAC-SF40RM-E		
Multiple remote controller adapter		PAC-SA88HA-E (1pc.)		
		PAC-725AD (10pcs.)		
Remote on/off adapter		PAC-SE55RA-E	All models except PCA-RP·HA and PEAD-RP·GA	
Power supply terminal kit	L/N/Earth	PAC-SG96HR-E		
	L/N	PAC-SG97HR-E		
Multi-functional casement		PAC-SG03TM-E	PLA-RP·AA PLA-RP·AA2	
High-efficiency filter element (PAC-SG03TM-E is needed.)		PAC-SG01KF		
Grille + Wireless remote controller		PLP-6AALM		
Grille + Wired remote controller		PLP-6AAMD		
Space panel		PAC-SG04AS-E		
Air outlet shutter plate (20 set, 2pcs/set)		PAC-SG06SP-E		
Wireless remote controller + Wireless Adapter		PAR-SL99B-E		PCA-RP·GA(2)
Drain lift up mechanism		PAC-SH20DM-E		PCA-RP50,60GA(2)
		PAC-SH21DM-E	PCA-RP71GA	
		PAC-SH22DM-E	PCA-RP100,125,140GA	
High-efficiency filter		PAC-SE80KF-E	PCA-RP50GA	
		PAC-SE81KF-E	PCA-RP60,71,100GA,50GA2	
		PAC-SE82KF-E	PCA-RP125,140GA	
Duct flange for fresh air		PAC-SF28OF-E	PCA-RP·HA	
Oil mist filter element (12pcs)		PAC-SG38KF-E		
Decoration cover (Front + Suspending bracket cover)		PAC-SF81KC-E	PCA-RP71HA	
		PAC-SF82KC-E	PCA-RP125HA	
Wired remote controller (with terminal bed)		PAR-21MAAT-E	PKA-RP·GAL PKA-RP·FAL(2)	
Drain lift up mechanism		PAC-SE90DM-E	PKA-RP·FAL(2)	
Motor (for high external static pressure)		PAC-SK003MT-F	PEAD-RP125,140EA	
			PEAD-RP100EA2	
Drain lift up mechanism		PAC-KE03DM-F	PEAD-RP·EA,EA2	
Insulation kit		PAC-SK010DK	PEAD-RP·GA	

11-2. OUTDOOR UNIT

Part Name		Model Name	Applicable model
M-NET adapter		PAC-SF80MA-E	All models
A-control service tool		PAC-SK52ST	
Drain socket		PAC-SG61DS-E	PUHZ-RP35-140
Air outlet guide (RP100,125,140 needs two piece.)		PAC-SG58SG-E	PUHZ-RP35, 50
		PAC-SG59SG-E	PUHZ-RP60-140
Air protect guide		PAC-SG56AG-E	PUHZ-RP35, 50
		PAC-SH63AG-E	PUHZ-RP60-140
Drain pan		PAC-SG63DP-E	PUHZ-RP35, 50
		PAC-SG64DP-E	PUHZ-RP60-140
Filter dryer	($\phi 6.35$)	PAC-SG81DR-E	PUHZ-RP35, 50
	($\phi 9.52$)	PAC-SG82DR-E	PUHZ-RP60-140
Distribution pipe	(Twin)	MSDD-50SR-E	PUHZ-RP100-140
	(Triple)	MSDT-111R-E	PUHZ-RP140
Joint pipe (Unit → Extension pipe)	($\phi 6.35$ → $\phi 9.52$)	PAC-SG72RJ-E	PUHZ-RP35, 50
	($\phi 9.52$ → $\phi 12.7$)	PAC-SG73RJ-E	PUHZ-RP35, 50
	($\phi 15.88$ → $\phi 19.05$)	PAC-SG75RJ-E	PUHZ-RP60-140



HEAD OFFICE : TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN