

TECHNICAL DATA BOOK **R410A** **INVERTER**

<Indoor unit>
[Model names]

PLA-RP-AA
PEAD-RP-EA
PEAD-RP-GA
PEA-RP-EA
PEH-RP-MYA
PKA-RP-GAL
PKA-RP-FAL
PCA-RP-GA
PCA-RP-HA
PSA-RP-GA

<Outdoor unit>
[Model names]

PUHZ-RP35/50/60/71/100/125/140VHA
PUHZ-RP100/125/140/200/250YHA

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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-RP100/125/140AA	PLA-RP35/50/60/71AA.UK PLA-RP100/125/140AA.UK	OC335
	PLA-RP35/50/60/71AA PLA-RP100/125/140AA.UK	OC327
PCA-RP50/60/71GA PCA-RP100/125/140GA	PCA-RP50/60/71GA PCA-RP100/125/140GA	OC328
PCA-RP71/125HA	PCA-RP71/125HA	OC329
PKA-RP35/50GAL	PKA-RP35/50GAL	OC330
PKA-RP60/71/100FAL	PKA-RP60/71/100FAL	OC331
PSA-RP71/100/125/140GA	PSA-RP71/100/125/140GA	OC332
PEA-RP71/100/125/140EA	PEA-RP71/100/125/140EA.TH-A	OC326
PEAD-RP35/50/60/71EA PEAD-RP100/125/140EA	PEAD-RP35/50/60/71EA.UK PEAD-RP100/125/140EA.UK	-
PEAD-RP60/71/100GA	PEAD-RP60/71/100GA.UK	-
PEH-RP200/250MYA	PEH-RP200/250MYA	-

1-2. OUTDOOR UNIT

Model name	Service Ref.	Service Manual No.
PUHZ-RP35/50/60/71VHA PUHZ-RP100/125/140VHA PUHZ-RP100/125/140YHA	PUHZ-RP35/50/60/71VHA PUHZ-RP100/125/140VHA PUHZ-RP100/125/140YHA	OC334
PUHZ-RP100/125/140VHA	PUHZ-RP71/100/125/140VHA-A	OC337
PUHZ-RP200/250YHA	PUHZ-RP200/250YHA	OC338
	PUHZ-RP200/250YHA-A	OC339

2-1. CEILING CASSETTE TYPE

Model name	Indoor unit		PLA-RP35AA	PLA-RP50AA	
	Outdoor unit		PUHZ-RP35VHA	PUHZ-RP50VHA	
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	330+23		
		H : mm	600		
		W : inch	31-1/2		
		D : inch	13 + 7/8		
Weight	H : inch	23-5/8			
	kg	45			
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-RP60VHA	PUHZ-RP71VHA	
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	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-RP100AA	PLA-RP125AA	PLA-RP140AA	
	Outdoor unit	PUHZ-RP100VHA	PUHZ-RP125VHA	PUHZ-RP140VHA	
Cooling	Capacity	Btu/h	34,100	42,700	
		kW	10.0(4.9-11.4)	12.5(5.5-14.0)	
	Total input	kW	3.03	3.89	
	EER		3.30	3.21	
	Energy label class		A	A	
	SHF		0.77	0.74	
Heating	Capacity	Btu/h	38,200	47,800	
		kW	11.2(4.5-14.0)	14.0(5.0-16.0)	
	Total input	kW	3.39	4.27	
	COP		3.30	3.28	
	Energy label class		C	C	
	Booster heater	kW	-	-	
Power supply	Phase	ϕ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	32	40	
Indoor unit	Air flow	CMM	20-23-26-28	22-25-28-30	
		(Low-Medium2-Medium1-High)	CFM	705-810-920-990	775-880-990-1,060
	External pressure	Pa	0	0	
	Sound level	dB(A)	33-36-39-41	37-40-43-45	
	(Low-Medium2-Medium1-High)				
	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)	
	Weight	Unit (Panel)	kg	30 (5)	32 (5)
			lbs	66 (11)	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	
	Weight		kg	121	
lbs			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		
	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-RP100AA	PLA-RP125AA	PLA-RP140AA	
	Outdoor unit	PUHZ-RP100YHA	PUHZ-RP125YHA	PUHZ-RP140YHA	
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	3.03	3.89	4.99
	EER		3.30	3.21	2.81
	Energy label class		A	A	C
	SHF		0.77	0.74	0.70
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	3.39	4.27	4.91
	COP		3.30	3.28	3.26
	Energy label class		C	C	C
	Booster heater	kW	-	-	-
Power supply	Phase	ϕ	3		
	Cycle	Hz	50		
	Voltage	V	400		
	Breaker size	A	16		
	Indoor unit	Air flow	CMM	20-23-26-28	22-25-28-30
(Low-Medium2-Medium1-High)	CFM	705-810-920-990	775-880-990-1,060		
External pressure	Pa	0		0	
Sound level	dB(A)	33-36-39-41	37-40-43-45		
(Low-Medium2-Medium1-High)	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	30 (5)	32 (5)	
		lbs	66 (11)	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	Unit (Panel)	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	Unit (Panel)	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

2-2. CEILING-CONCEALED TYPE

Model name	Indoor unit		PEAD-RP35EA	PEAD-RP50EA	
	Outdoor unit		PUHZ-RP35VHA	PUHZ-RP50VHA	
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		0.88	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	1.26	1.65	
	COP		3.25	3.64	
	Energy label class		C	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	11-14	13.5-17	
		CFM	388-494	476-600	
	External pressure	Pa	30(70)		
	Sound level (Low-High)	dB(A)	34-38	36-40	
			(70Pa : 36-43)	(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	330+23	
			H : mm	600	
			W : inch	31-1/2	
			D : inch	13 + 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:**
- 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
 - Guaranteed voltage
198-264V, 50Hz
 - Above data based on indicated voltage
 Indoor unit Single phase 230V 50Hz
 Outdoor unit Single phase 230V 50Hz

		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

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



Indoor unit		PEAD-RP60EA	PEAD-RP71EA
Outdoor unit		PUHZ-RP60VHA	PUHZ-RP71VHA
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
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	-	-
Phase	φ	1	
Cycle	Hz	50	
Voltage	V	230	
Breaker size	A	25	
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	
	H : mm	295	
	W : inch	46-1/8	
	D : inch	27-5/8	
	H : inch	11-5/8	
Weight	kg	42	44
	lbs	92	97
Unit drain pipe		R1(External thread)	
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	950
	D : mm	330+30	330+30
	H : mm	943	943
	W : inch	37-3/8	37-3/8
	D : inch	13 + 1-3/16	13 + 1-3/16
	H : inch	37-1/8	37-1/8
Weight	kg	75	75
	lbs	165	165
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
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-RP100EA	PEAD-RP125EA	PEAD-RP140EA
	Outdoor unit		PUHZ-RP100VHA	PUHZ-RP125VHA	PUHZ-RP140VHA
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	3.08	3.69	4.91
	EER		3.25	3.39	2.85
	Energy label class		A	A	C
	SHF		0.83	0.82	0.82
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	3.48	4.11	4.76
	COP		3.22	3.41	3.36
	Energy label class		C	B	C
	Booster heater	kW	-	-	-
Power supply	Phase	φ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	32		40
	Air flow (Low-High)	CMM	27-34	33.5-42	36.5-46
	CFM	953-1200	1183-1483	1288-1624	
External pressure	Pa	70(130)			
Sound level (Low-High)	dB(A)	41-46 (130Pa : 42-48)	44-50 (130Pa : 46-52)	46-51 (130Pa : 47-53)	
External finish	Galvanized sheets				
Dimension	W : mm	1415		1715	
	D : mm	700	740		
	H : mm	295	325		
	W : inch	55-11/16		67-1/2	
	D : inch	27-5/8	29-1/8		
	H : inch	11-5/8	12-13/16		
Weight	kg	62	65	70	
	lbs	136	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		
		D : mm	330+30		
		H : mm	1350		
		W : inch	37-3/8		
		D : inch	13 + 1-3/16		
Weight	kg	121			
	lbs	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		
	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-RP100EA	PEAD-RP125EA	PEAD-RP140EA
	Outdoor unit		PUHZ-RP100YHA	PUHZ-RP125YHA	PUHZ-RP140YHA
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	3.08	3.69	4.91
	EER		3.25	3.39	2.85
	Energy label class		A	A	C
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	3.48	4.11	4.76
	COP		3.22	3.41	3.36
	Energy label class		C	B	C
Power supply	Booster heater	kW	-	-	-
	Phase	ϕ	3		
	Cycle	Hz	50		
	Voltage	V	400		
Indoor unit	Breaker size	A	16		
	Air flow	CMM	27-34	33.5-42	36.5-46
		(Low-High)	CFM	953-1200	1183-1483
	External pressure	Pa	70(130)		
	Sound level (Low-High)	dB(A)	41-46	44-50	46-51
			(130Pa : 42-48)	(130Pa : 46-52)	(130Pa : 47-53)
	External finish		Galvanized sheets		
	Dimension	W : mm	1415		1715
			D : mm	700	740
		H : mm	295	325	
		W : inch	55-11/16		67-1/2
			D : inch	27-5/8	29-1/8
		H : inch	11-5/8	12-13/16	
	Weight	kg	62	65	70
lbs		136	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		
			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



Model name	Indoor unit		PEAD-RP60GA	PEAD-RP71GA	PEAD-RP100GA
	Outdoor unit		PUHZ-RP60VHA	PUHZ-RP71VHA	PUHZ-RP100VHA
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	0.83
Heating	Capacity	Btu/h	23,900	27,300	38,200
		kW	7.0(2.8-8.2)	8.0(3.5-10.2)	11.2(4.5-14.0)
	Total input	kW	1.77	2.34	3.48
	COP		3.95	3.42	3.22
	Energy label class		A	B	C
	Booster heater	kW	-	-	-
Power supply	Phase	φ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	25		32
Indoor unit	Air flow (Low-High)	CMM	16.5-21	20-25	26.5-33
		CFM	582-741	706-883	935-1165
	External pressure	Pa	10/50/70		10/50/70
	Sound level (Low-High)	dB(A)	33-37/35-40/36-42 (10/50/70Pa)	35-38/37-41/37-43 (10/50/70Pa)	40-43/42-45/42-46 (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		
	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

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-RP100YHA		
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		0.83		
Heating	Capacity	Btu/h	38,200		
		kW	11.2(4.5-14.0)		
	Total input	kW	3.48		
	COP		3.22		
	Energy label class		C		
	Booster heater	kW	-		
Power supply	Phase	ϕ	3		
	Cycle	Hz	50		
	Voltage	V	400		
	Breaker size	A	16		
Indoor unit	Air flow	CMM	26.5-33		
		(Low-High)	CFM	935-1165	
	External pressure	Pa	10/50/70		
	Sound level	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
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		PEA-RP71EA
	Outdoor unit		PUHZ-RP71VHA
Cooling	Capacity	Btu/h	24,200
		kW	7.1(3.3-8.1)
	Total input	kW	2.48
	EER		2.86
	SRI		3.87
	SHF		0.82
Heating	Capacity	Btu/h	27,300
		kW	8.0(3.5-10.2)
	Total input	kW	2.47
	COP		3.24
	SRI		4.13
	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	22-27
		CFM	780-955
	External pressure	Pa	125
	Sound level (Low-High)	dB(A)	52-55
	External finish		Galvanized sheets
	Dimension	W : mm	785
		D : mm	690
		H : mm	428
		W : inch	31
		D : inch	27-1/16
		H : inch	16-7/8
	Weight	kg	46
lbs		101	
Unit drain pipe		R1(External thread)	
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		PEA-RP100EA	PEA-RP125EA	PEA-RP140EA
	Outdoor unit		PUHZ-RP100VHA	PUHZ-RP125VHA	PUHZ-RP140VHA
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	3.25	4.42	5.03
	EER		3.08	2.83	2.78
	SRI		4.60	3.77	3.60
	SHF		0.82	0.81	0.89
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	3.2	4.30	4.73
	COP		3.50	3.26	3.38
	SRI		5.00	4.20	4.60
	Booster heater	kW	-	-	-
Power supply	Phase	ϕ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	32		40
Indoor unit	Air flow	CMM	27-34	34-42	48-60
		(Low-High) CFM	955-1200	1200-1480	1695-2120
	External pressure	Pa	125		
	Sound level	dB(A)	54-58		51-55
	(Low-High)				
	External finish		Galvanized sheets		
	Dimension	W : mm	1055	1255	1415
		D : mm	690		
		H : mm	428		
		W : inch	41-1/2	49-7/16	55-3/4
		D : inch	27-1/16		
		H : inch	16-7/8		
	Weight	kg	58	72	73
		lbs	128	159	161
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		
		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		
lbs		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		
	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	PEH-RP200MYA	PEH-RP250MYA	
	Outdoor unit	PUHZ-RP200YHA	PUHZ-RP250YHA	
Cooling	Capacity	Btu/h	64,800	75,000
		kW	19.0(10.0-22.4)	22.0(12.5-28.0)
	Total input	kW	7.28	8.43
	EER		2.61	2.61
	Energy label class		D	D
	SHF		0.75	0.82
Heating	Capacity	Btu/h	76,400	92,100
		kW	22.4(10.0-25.0)	27.0(15.7-31.5)
	Total input	kW	6.98	8.41
	COP		3.21	3.21
	Energy label class		C	C
	Booster heater	kW	-	-
Power supply	Phase	ϕ	3	
	Cycle	Hz	50	
	Voltage	V	400	
	Breaker size	A	32	
Indoor unit	Air flow	CMM	60	80
		CFM	2120	2825
	External pressure	Pa	50/150	
	Sound level	dB(A)	49	53
			(50Pa)	(50Pa)
	External finish		Galvanizing	
	Dimension	W : mm	1380	1580
		D : mm	650	
		H : mm	428	
		W : inch	54-5/16	62-3/16
		D : inch	25-9/16	
		H : inch	16-7/8	
	Weight	kg	70	80
		lbs	154	176
Unit drain pipe		RC1		
Outdoor unit	Air flow	CMM	150	
		CFM	5,300	
	Sound level at cooling	dB(A)	55	58
	Sound level at heating	dB(A)	56	58
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W : mm	900	
		D : mm	750	
		H : mm	1798	
		W : inch	35-7/16	
		D : inch	29-17/32	
		H : inch	70-25/32	
Weight	kg	198		
	lbs	436		
Refrigerant pipe size	Gas side O.D.	mm	25.4	28.58
		inch	1	1-1/8
	Liquid side O.D.	mm	9.52	12.7
		inch	3/8	1/2
Refrigerant pipe length	Height difference	m	Max. 40	
	Length	m	Max. 120	

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

2-3. WALL-MOUNTED TYPE

Model name	Indoor unit		PKA-RP35GAL	PKA-RP50GAL
	Outdoor unit		PUHZ-RP35VHA	PUHZ-RP50VHA
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	330+23	
		H : mm	600	
		W : inch	31-1/2	
		D : inch	13 + 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-RP60FAL	PKA-RP71FAL	PKA-RP100FAL
	Outdoor unit		PUHZ-RP60VHA	PUHZ-RP71VHA	PUHZ-RP100VHA
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	1.55	1.98	2.93
	EER		3.87	3.59	3.41
	Energy label class		A	A	A
	SHF		0.83	0.77	0.77
Heating	Capacity	Btu/h	23,900	27,300	38,200
		kW	7.0(2.8-8.2)	8.0(3.5-10.2)	11.2(4.5-14.0)
	Total input	kW	2.01	2.40	3.25
	COP		3.48	3.33	3.45
	Energy label class		B	C	B
	Booster heater	kW	-	-	-
Power supply	Phase	φ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	25		32
Indoor unit	Air flow (Low-High)	CMM	15-20		22-28
		CFM	530-705		780-990
	External pressure	Pa	0		
	Sound level (Low-High)	dB(A)	39-45		41-46
	External finish		Munsell 3.4Y 7.7/0.8		
	Dimension	W : mm	1400		1680
		D : mm	235		
		H : mm	340		
		W : inch	55-1/8		66-1/8
		D : inch	9-1/4		
		H : inch	13-3/8		
	Weight	kg	24		28
		lbs	53		62
	Unit drain pipe O.D.	mm	20		
inch		13/16			
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	PKA-RP100FAL	
	Outdoor unit	PUHZ-RP100YHA	
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
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

2-4. CEILING-SUSPENDED TYPE

Model name	Indoor unit		PCA-RP50GA	PCA-RP60GA	PCA-RP71GA	
	Outdoor unit		PUHZ-RP50VHA	PUHZ-RP60VHA	PUHZ-RP71VHA	
Cooling	Capacity	Btu/h	16,000	20,500	24,200	
		kW	4.7(2.3-5.4)	6.0(2.7-6.7)	7.1(3.3-8.1)	
	Total input	kW	1.67	1.63	2.14	
	EER		2.81	3.68	3.32	
	Energy label class		C	A	A	
	SHF		0.76	0.81	0.74	
Heating	Capacity	Btu/h	18,800	23,900	27,300	
		kW	5.5(2.5-6.6)	7.0(2.8-8.2)	8.0(3.5-10.2)	
	Total input	kW	1.71	2.03	2.43	
	COP		3.22	3.45	3.29	
	Energy label class		C	B	C	
	Booster heater	kW	-	-	-	
Power supply	Phase	φ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	16	25		
Indoor unit	Air flow	CMM	10-11-12-13	14-15-16-18		
		(Low-Medium2-Medium1-High)	CFM	355-390-425-460	495-530-565-635	
	External pressure	Pa	0			
	Sound level	dB(A)	37-38-40-42	37-39-41-43		
	(Low-Medium2-Medium1-High)					
	External finish		White Munsell 0.70Y 8.59/0.97			
	Dimension	W : mm	1000	1310		
		D : mm		680		
		H : mm		210		
		W : inch	39-3/8	51-9/16		
		D : inch		26-3/4		
		H : inch		8-1/4		
	Weight	kg	27	34		
lbs		60	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:**
- 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. -11°C, W.B. -12°C

- Guaranteed voltage
198~264V, 50Hz

- 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-RP100VHA	PUHZ-RP125VHA	PUHZ-RP140VHA	
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	3.89	4.96
	EER		3.42	3.21	2.82
	Energy label class		A	A	C
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	4.34	4.60
	COP		3.44	3.23	3.48
	Energy label class		B	C	B
Power supply	Booster heater	kW	-	-	-
	Phase	ϕ	1		
	Cycle	Hz	50		
	Voltage	V	230		
Indoor unit	Breaker size	A	32		40
	Air flow	CMM	20-21-23-25	27-30-32-34	
		(Low-Medium2-Medium1-High) CFM	705-840-810-885	955-1060-1130-1200	
	External pressure	Pa	0	0	
	Sound level	dB(A)	40-41-43-45	41-43-45-46	42-44-46-48
	(Low-Medium2-Medium1-High)				
	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			
	lbs	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		
	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-RP100YHA	PUHZ-RP125YHA	PUHZ-RP140YHA			
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	3.89	4.96			
	EER		3.42	3.21	2.82			
	Energy label class		A	A	C			
	SHF		0.75	0.77	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	3.26	4.34	4.60			
	COP		3.44	3.23	3.48			
	Energy label class		B	C	B			
	Booster heater	kW	-	-	-			
Power supply	Phase	ϕ	3					
	Cycle	Hz	50					
	Voltage	V	400					
	Breaker size	A	16					
Indoor unit	Air flow	CMM	20-21-23-25	27-30-32-34				
		(Low-Medium2-Medium1-High)	CFM	705-840-810-885	955-1060-1130-1200			
	External pressure	Pa	0					
	Sound level	dB(A)	40-41-43-45		41-43-45-46	42-44-46-48		
			(Low-Medium2-Medium1-High)					
	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						
	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
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-RP71HA	PCA-RP125HA	PCA-RP125HA	
	Outdoor unit		PUHZ-RP71VHA	PUHZ-RP125VHA	PUHZ-RP125YHA	
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	4.15	4.15	
	EER		3.21	3.01	3.01	
	Energy label class		A	B	B	
	SHF		0.74	0.77	0.77	
Heating	Capacity	Btu/h	27,300	47,800	47,800	
		kW	8.0(3.5-10.2)	14.0(5.0-16.0)	14.0(5.0-16.0)	
	Total input	kW	2.49	4.25	4.25	
	COP		3.21	3.29	3.29	
	Energy label class		C	C	C	
	Booster heater	kW	-	-	-	
Power supply	Phase	φ	1		3	
	Cycle	Hz	50		50	
	Voltage	V	230		400	
	Breaker size	A	25	32	16	
Indoor unit	Air flow (Low-High)	CMM	17-19	30-38		
		CFM	600-670	1060-1350		
	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	330+30		
		H : mm	943	1350		
		W : inch	37-3/8	37-3/8		
		D : inch	13 + 1-3/16	13 + 1-3/16		
		H : inch	37-1/8	53-1/8		
	Weight	kg	75	121	135	
		lbs	165	267	298	
	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. 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 RP125 D.B. -20°C, W.B. -20°C

2-5. FLOOR STANDING TYPE

Model name	Indoor unit		PSA-RP71GA
	Outdoor unit		PUHZ-RP71VHA
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
kW			8.0(3.5-10.2)
Total input		kW	2.49
COP		3.21	
Energy label class		C	
Booster heater		kW	-
Power supply		Phase	φ
	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-RP100VHA	PUHZ-RP125VHA	PUHZ-RP140VHA	
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	2.99	4.15	4.98	
	EER		3.34	3.01	2.81	
	Energy label class		A	B	C	
	SHF		0.81	0.75	0.73	
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	4.36	4.98	
	COP		3.41	3.21	3.21	
	Energy label class		B	C	C	
	Booster heater		kW	-	-	-
Power supply	Phase	ϕ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	32		40	
Indoor unit	Air flow	CMM	24-31	26-33	27-35	
		(Low-High)	CFM	850-1060	920-1165	955-1240
	External pressure		Pa	0		
	Sound level		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				
	lbs	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			
	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-RP100YHA	PUHZ-RP125YHA	PUHZ-RP140YHA	
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	2.99	4.15	4.98	
	EER		3.34	3.01	2.81	
	Energy label class		A	B	C	
	SHF		0.81	0.75	0.73	
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	4.36	4.98	
	COP		3.41	3.21	3.21	
	Energy label class		B	C	C	
	Booster heater		kW	-	-	-
Power supply	Phase	ϕ	3			
	Cycle	Hz	50			
	Voltage	V	400			
	Breaker size	A	16			
Indoor unit	Air flow	CMM	24-31	26-33	27-35	
		(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	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	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
198~264V, 50Hz

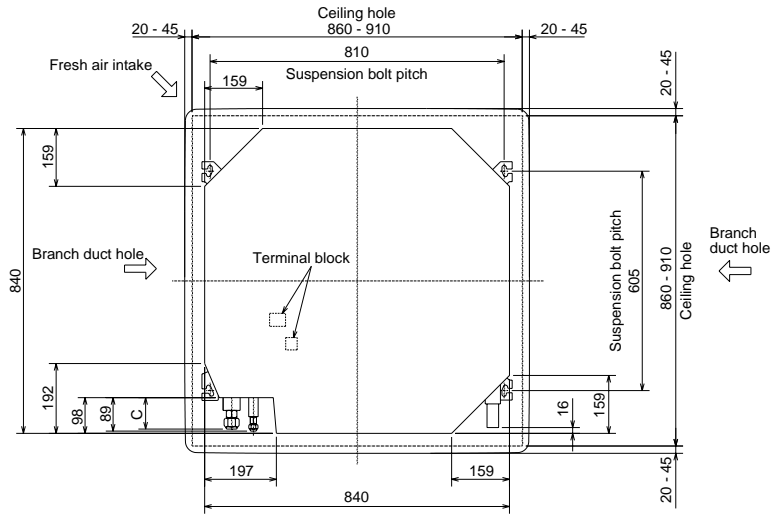
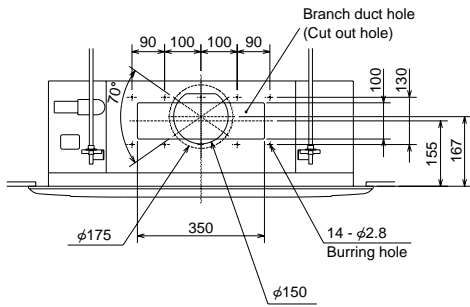
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz

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

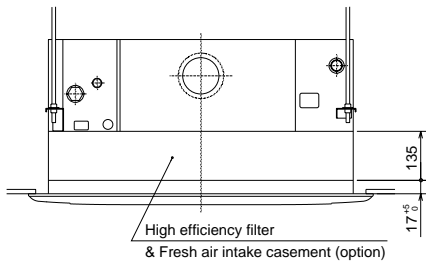
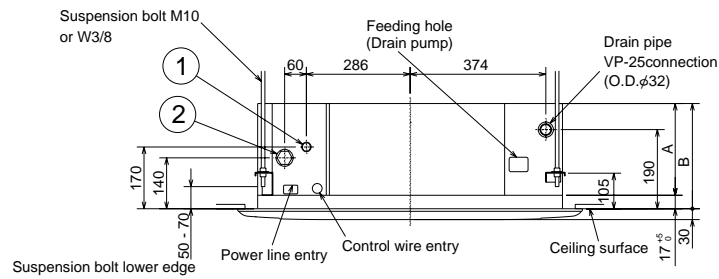
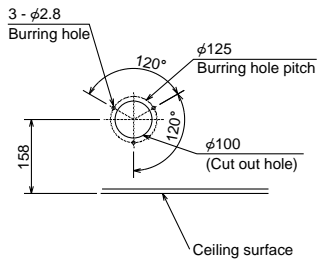
INDOOR UNIT

Unit : mm

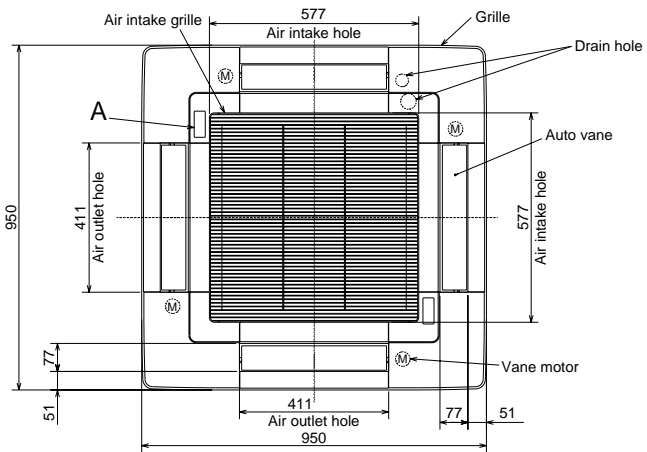
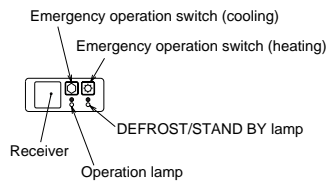
PLA-RP35AA PLA-RP50AA PLA-RP60AA PLA-RP71AA
 PLA-RP100AA PLA-RP125AA PLA-RP140AA



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

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

○ Factory flare nut attachment to the heat-exchanger.

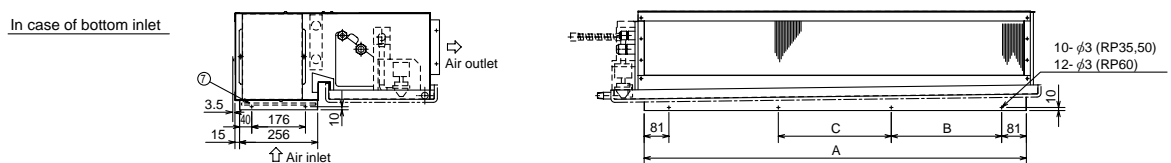
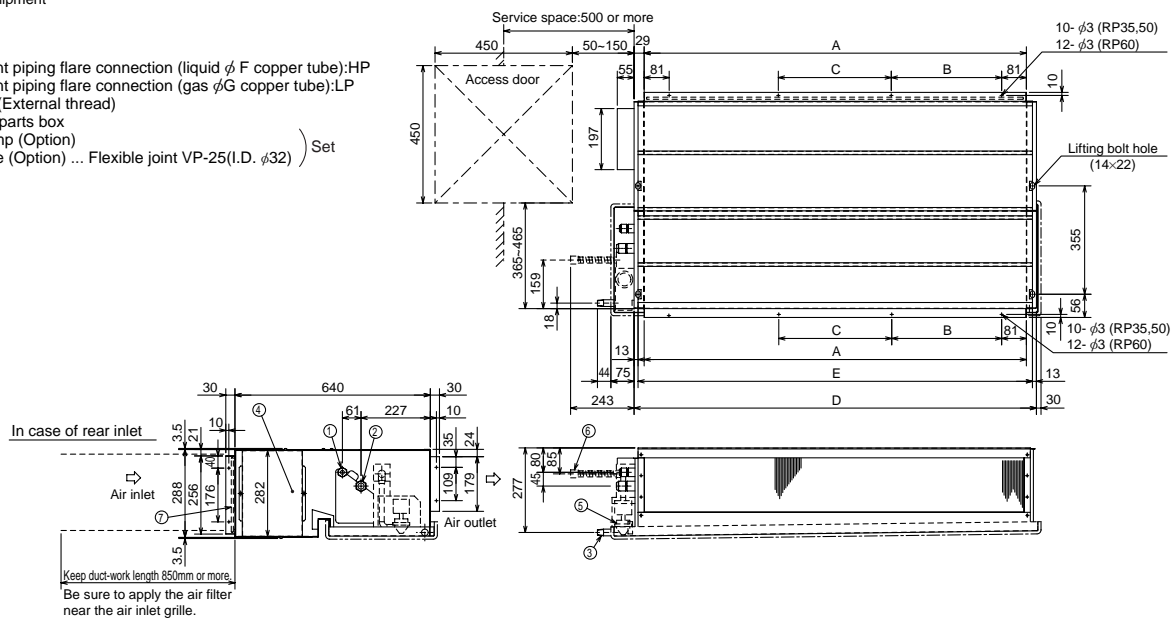
Unit : mm

PEAD-RP35EA PEAD-RP50EA PEAD-RP60EA

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 ϕ G 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. ϕ 32)
- ⑦ Filter

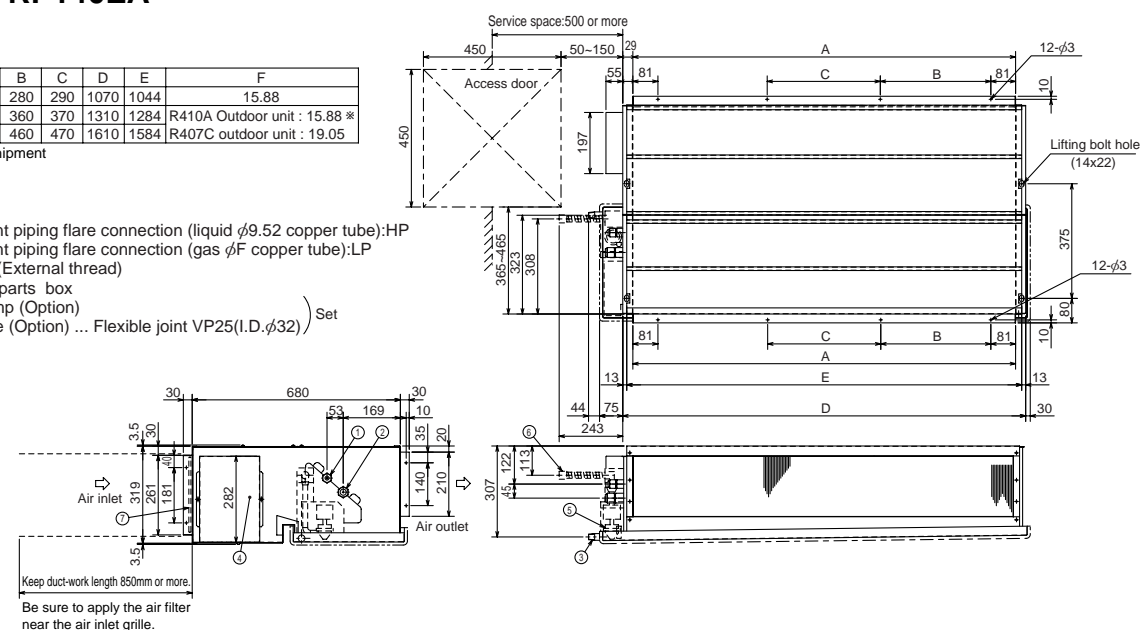


PEAD-RP71EA PEAD-RP100EA PEAD-RP125EA PEAD-RP140EA

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 *
RP140	1552	460	470	1610	1584	R407C outdoor unit : 19.05

* Setting at shipment

- ① Refrigerant piping flare connection (liquid ϕ 9.52 copper tube):HP
- ② Refrigerant piping flare connection (gas ϕ F 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. ϕ 32)
- ⑦ Filter

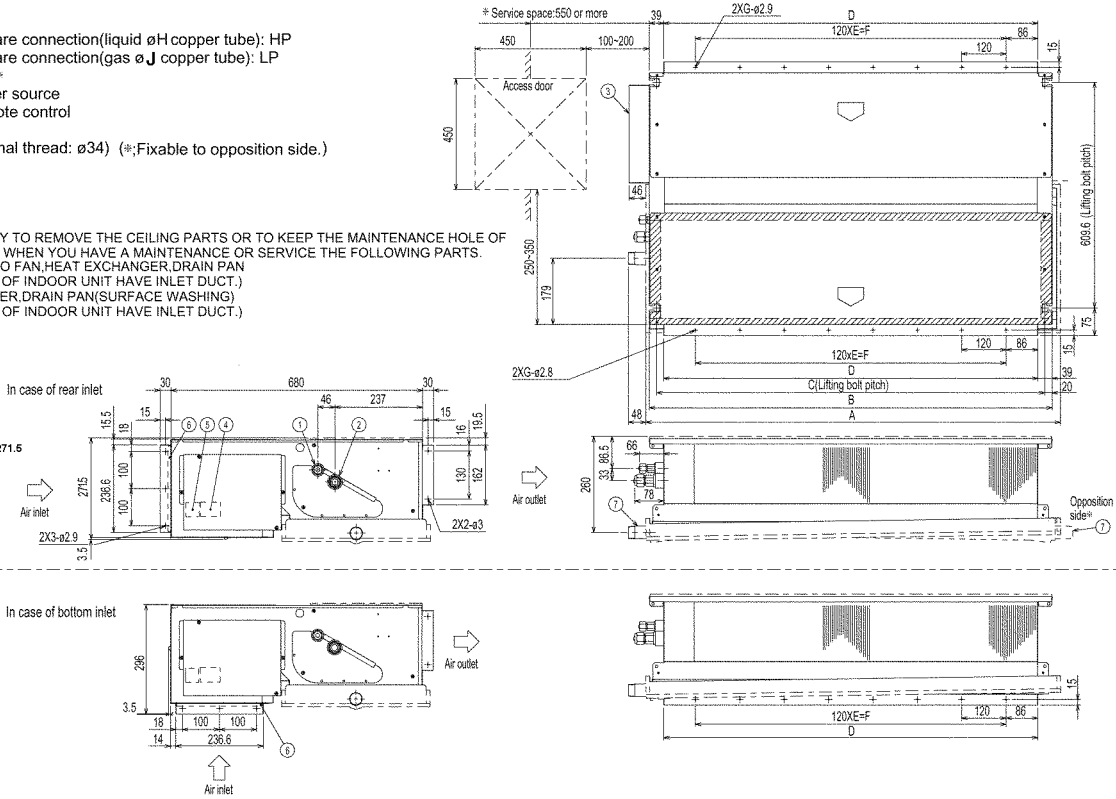


**PEAD-RP60GA
PEAD-RP71GA
PEAD-RP100GA**

Unit : mm

- ① Refrigerant piping flare connection(liquid øH copper tube): HP
- ② Refrigerant piping flare connection(gas øJ copper tube): LP
- ③ Electrical parts box *
- ④ Terminal bed : Power source
- ⑤ Terminal bed : Remote control
- ⑥ Filter
- ⑦ Drain pan (R1 External thread: ø34) (*;Fixable to opposition side.)

* NOTE: IT IS NECESSARY TO REMOVE THE CEILING PARTS OR TO KEEP THE MAINTENANCE HOLE OF OVER UNIT SIZE WHEN YOU HAVE A MAINTENANCE OR SERVICE THE FOLLOWING PARTS.
 SERVICE: MOTOR,SIROCCO FAN,HEAT EXCHANGER,DRAIN PAN
 (EXCHANGE) FILTER(IN CASE OF INDOOR UNIT HAVE INLET DUCT.)
 MAINTENANCE: HEAT EXCHANGER,DRAIN PAN(SURFACE WASHING)
 (WASHING) FILTER(IN CASE OF INDOOR UNIT HAVE INLET DUCT.)

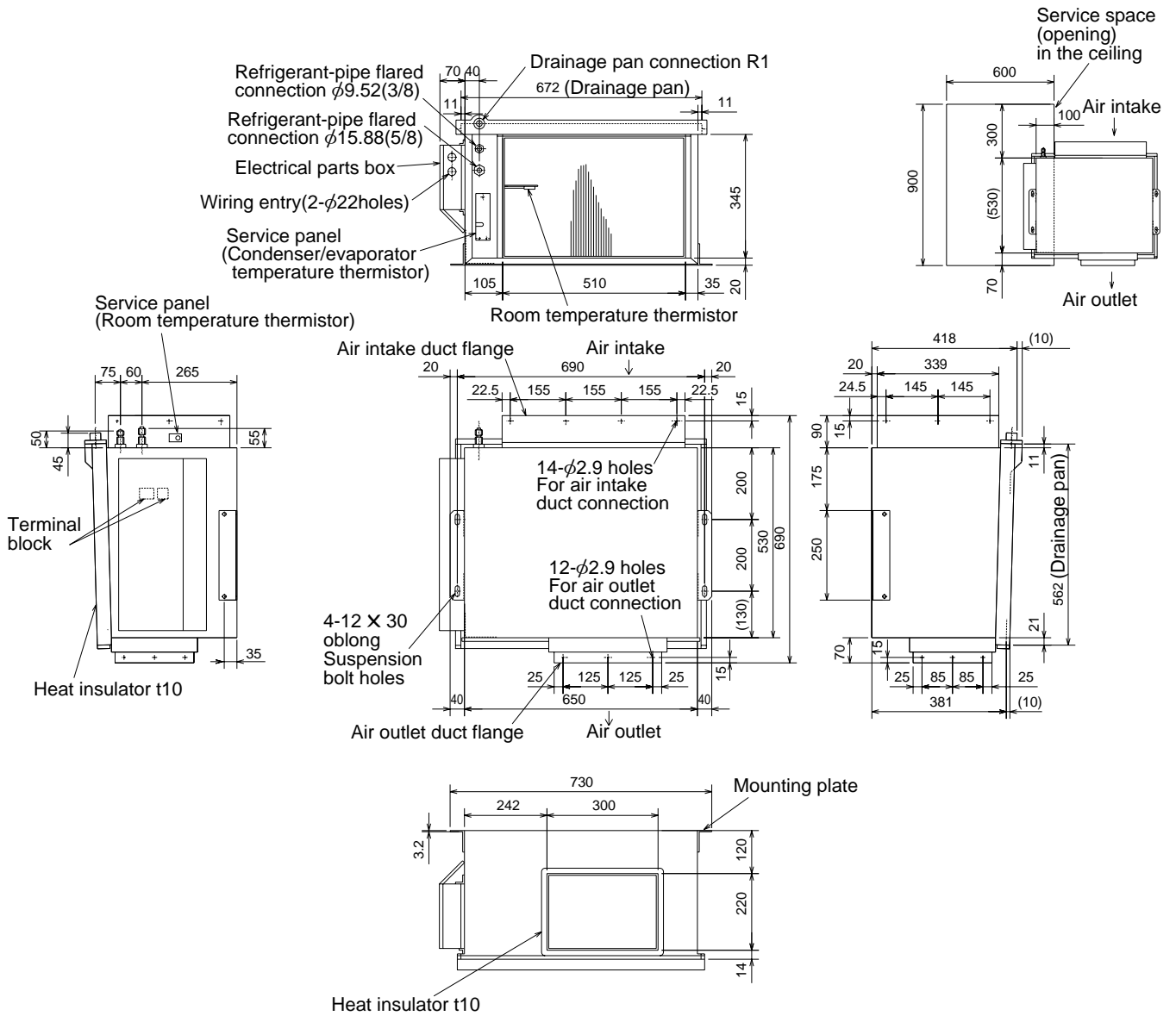


Model	A	B	C	D	E	F	G	H	J
RP60	1125	1090	1050	1012	7	840	8	Outdoor unit(SUZ) : 6.35 Other outdoor unit : 9.52 *	15.88
RP71	1125	1090	1050	1012	7	840	8	9.52	15.88
RP100	1365	1330	1290	1252	9	1080	10	9.52	R410A Outdoor unit : 15.88 * R407C Outdoor unit : 19.05

* Setting at shipment

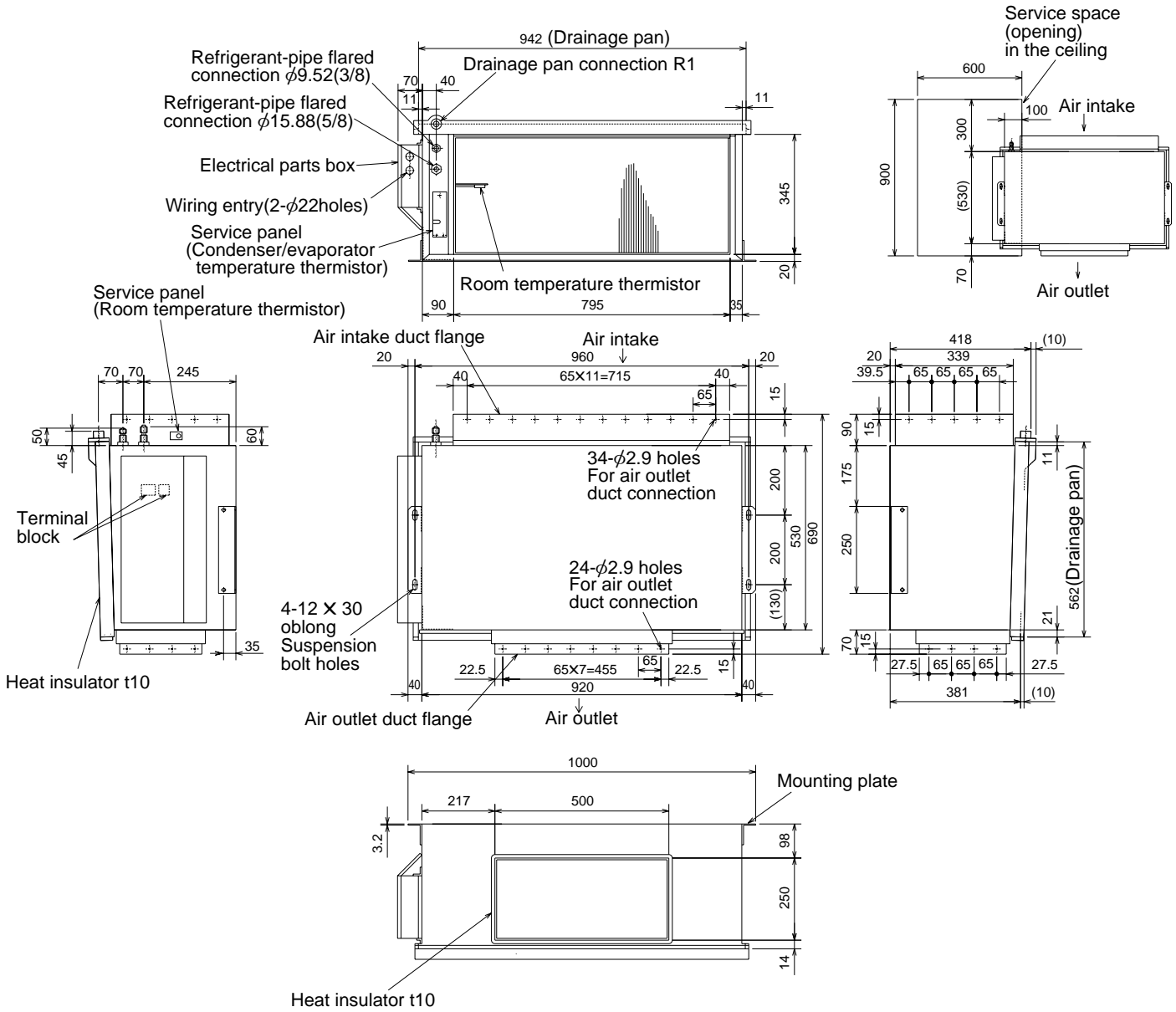
PEA-RP71EA

Unit : mm



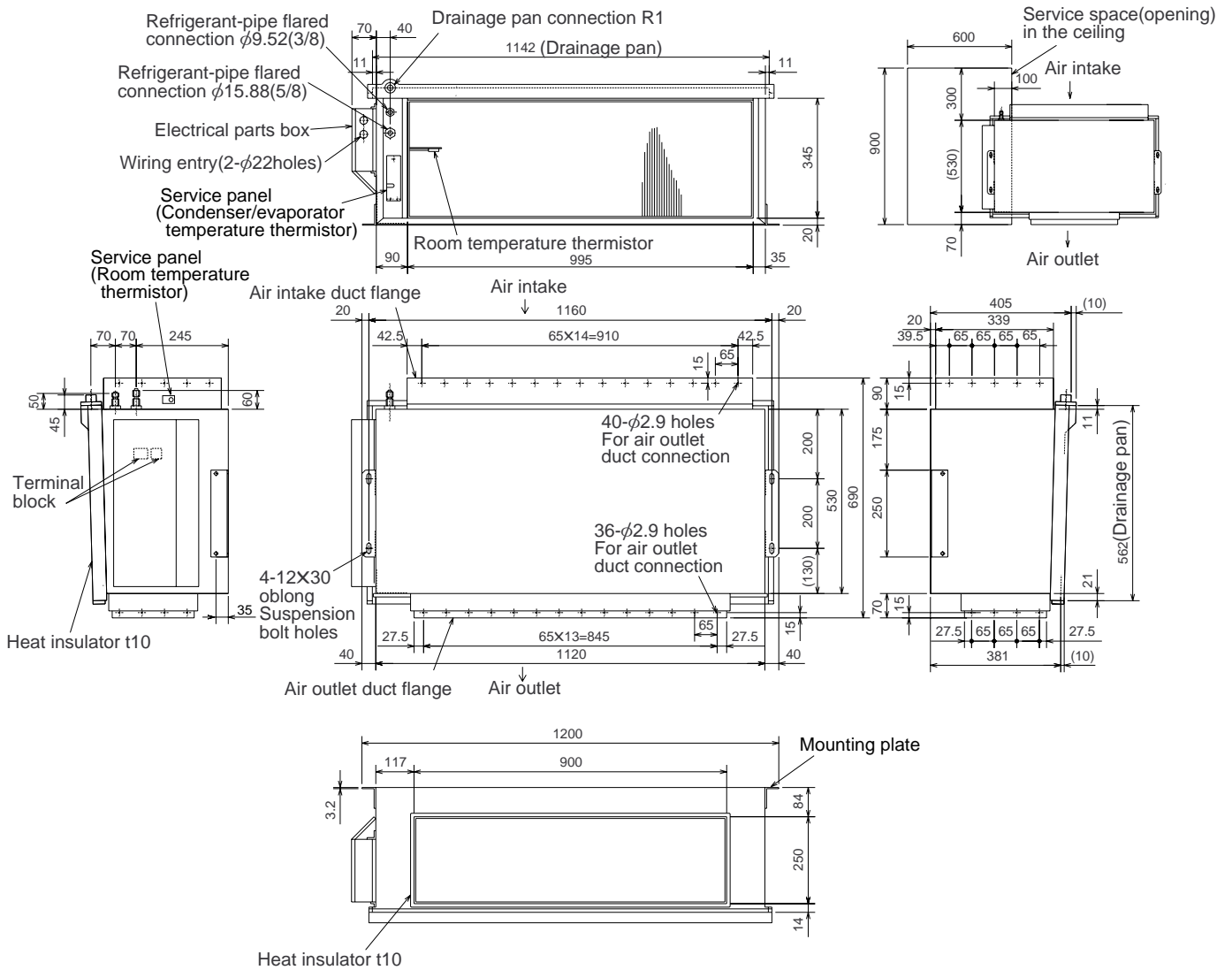
PEA-RP100EA

Unit : mm



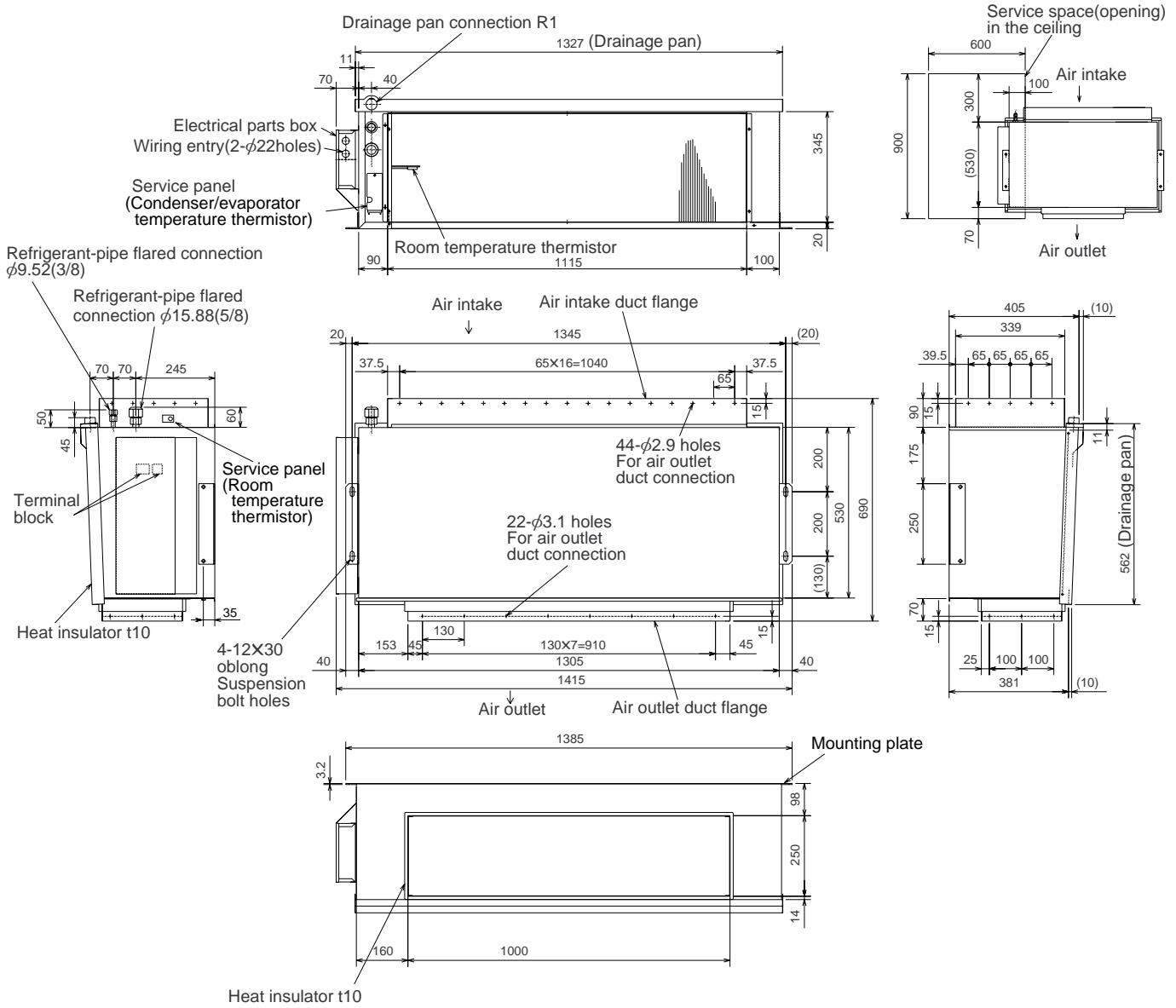
PEA-RP125EA

Unit : mm



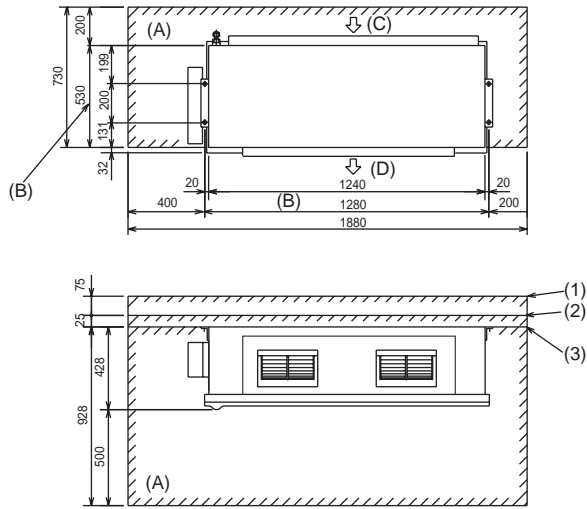
PEA-RP140EA

Unit : mm



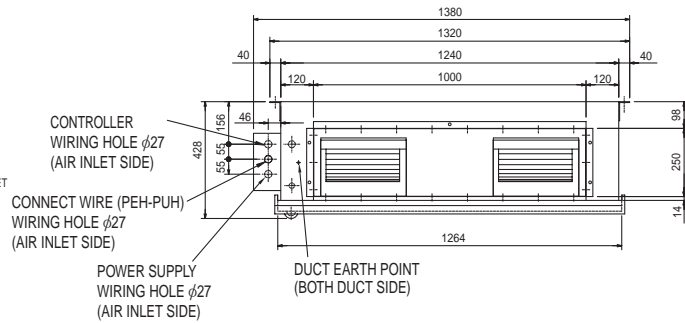
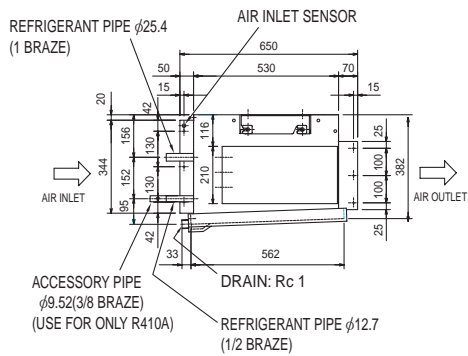
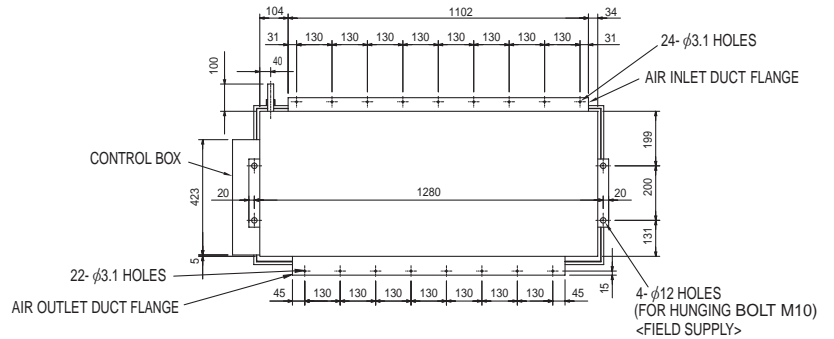
PEH-RP200MYA

Unit : mm



- (1) When connecting air inlet
- (2) When installing the suspension fixtures prior to installation of the indoor unit without inlet duct
- (3) When hanging the indoor unit directly without inlet duct

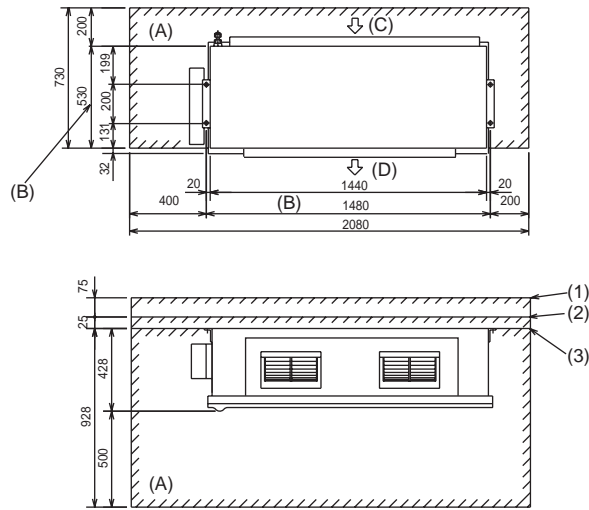
- (A) Service space
- (B) Suspension bolt pitch
- (C) Air inlet
- (D) Air outlet



Note: When connecting duct to the inlet side, remove the air filter attached to the unit body, and mount an air filter onto the inlet duct side separately.

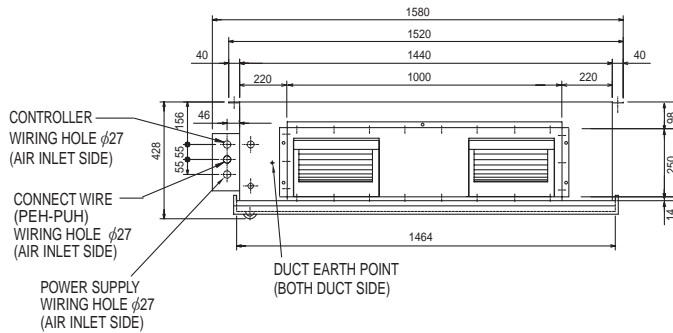
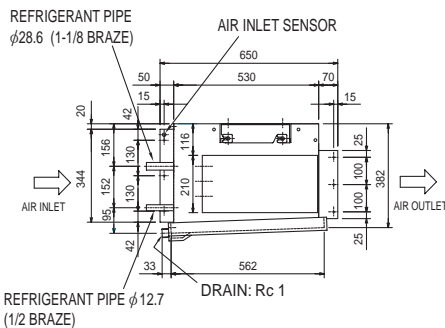
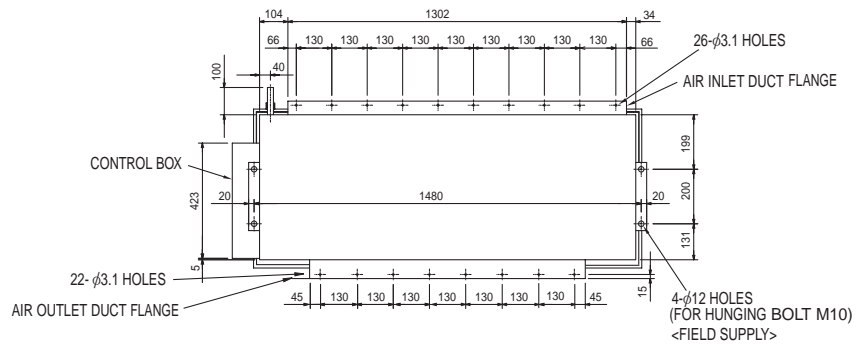
PEH-RP250MYA

Unit : mm



- (1) When connecting air inlet
- (2) When installing the suspension fixtures prior to installation of the indoor unit without inlet duct
- (3) When hanging the indoor unit directly without inlet duct

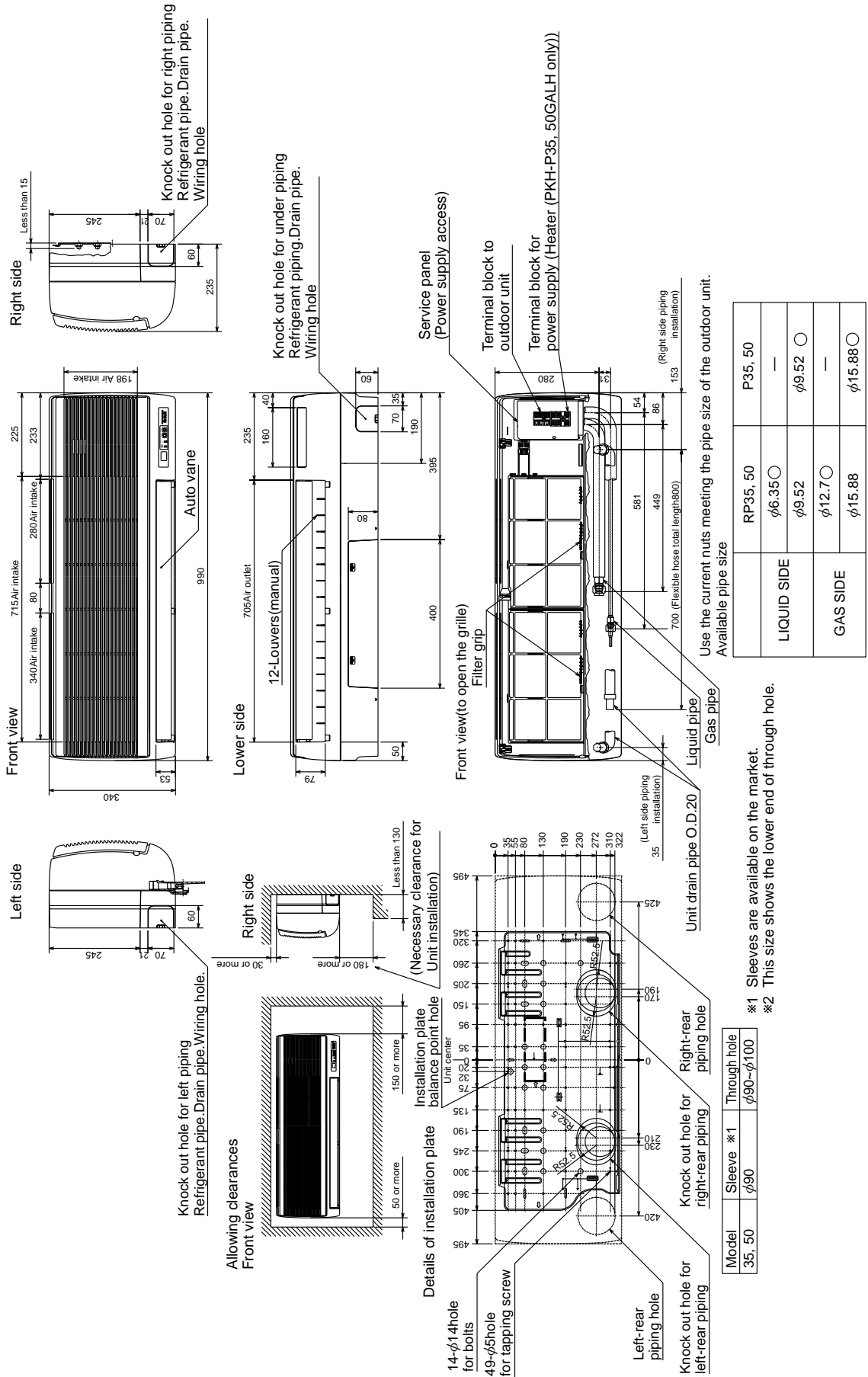
- (A) Service space
- (B) Suspension bolt pitch
- (C) Air inlet
- (D) Air outlet



Note: When connecting duct to the inlet side, remove the air filter attached to the unit body, and mount an air filter onto the inlet duct side separately.

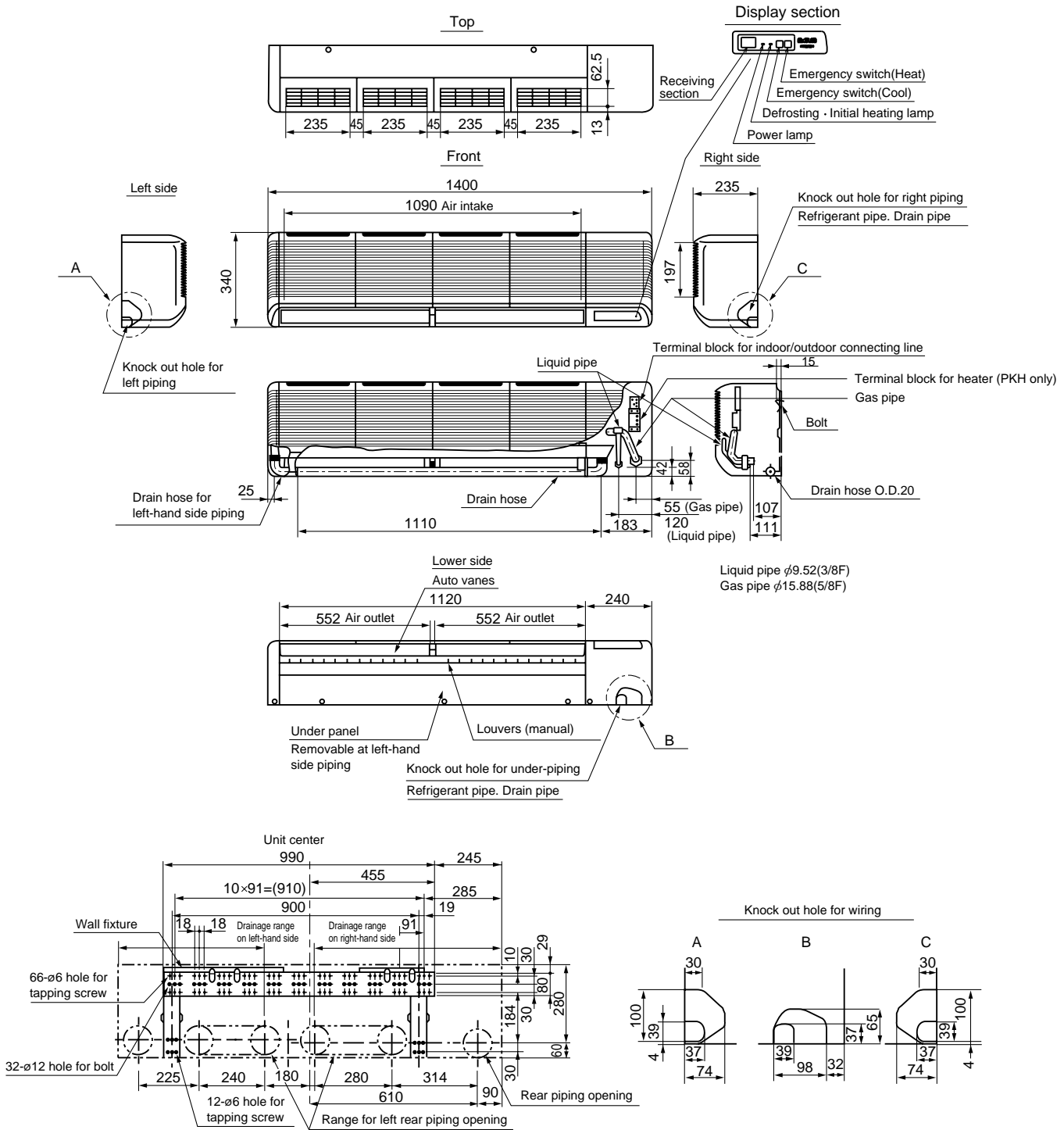
INDOOR UNIT PKA-RP35GAL PKA-RP50GAL

Unit : mm



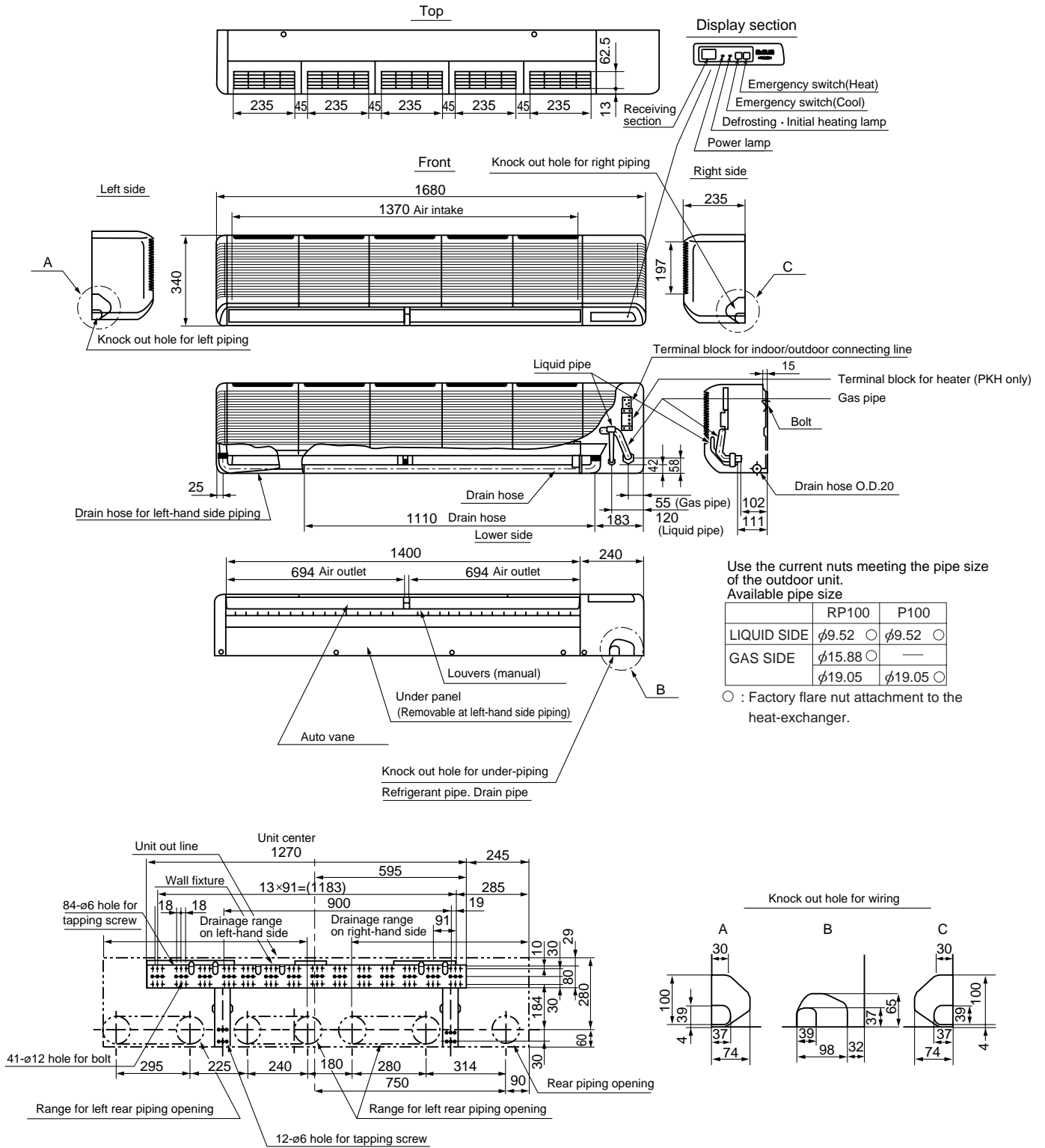
PKA-RP60FAL
PKA-RP71FAL

Unit : mm



PKA-RP100FAL

Unit : mm

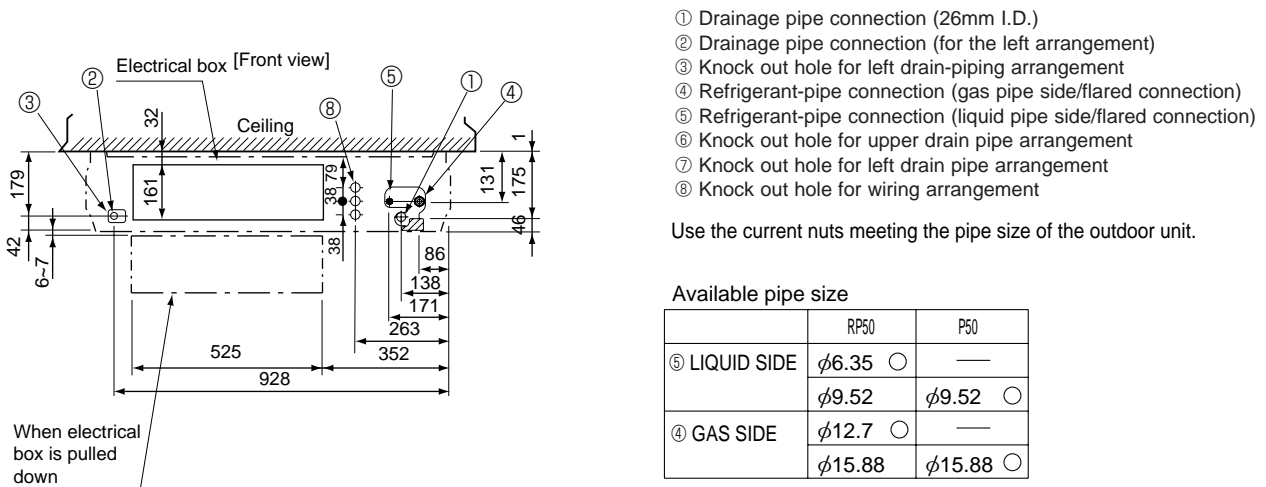
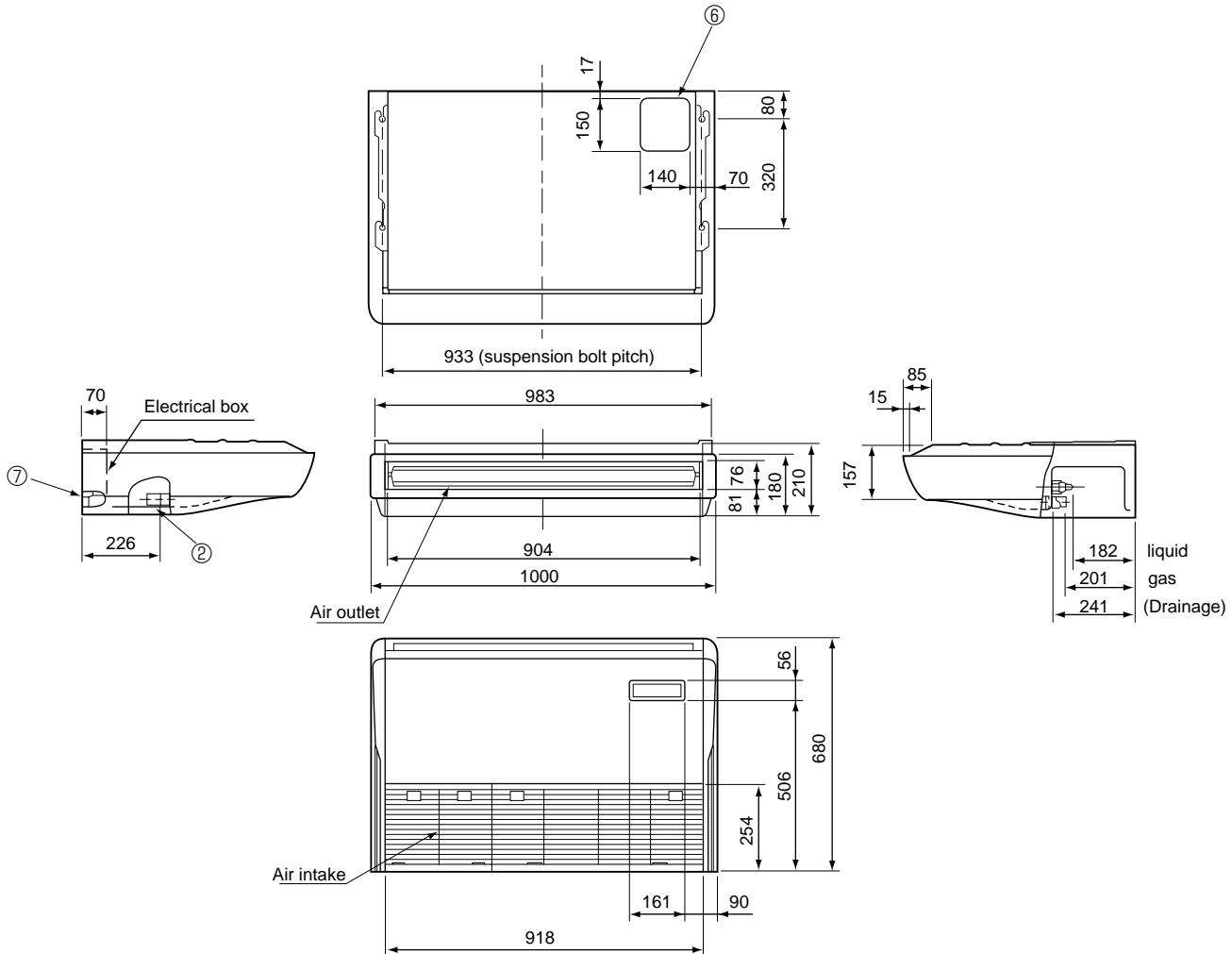


INDOOR UNIT PCA-RP50GA

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.



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

Available pipe size

	RP50	P50
⑤ LIQUID SIDE	φ6.35 ○	—
	φ9.52	φ9.52 ○
④ GAS SIDE	φ12.7 ○	—
	φ15.88	φ15.88 ○

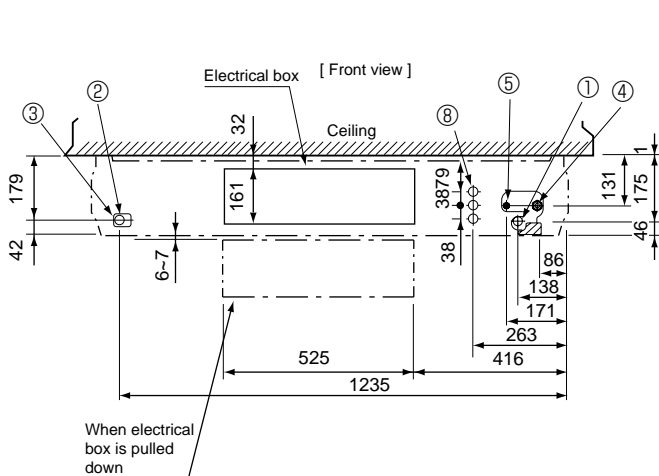
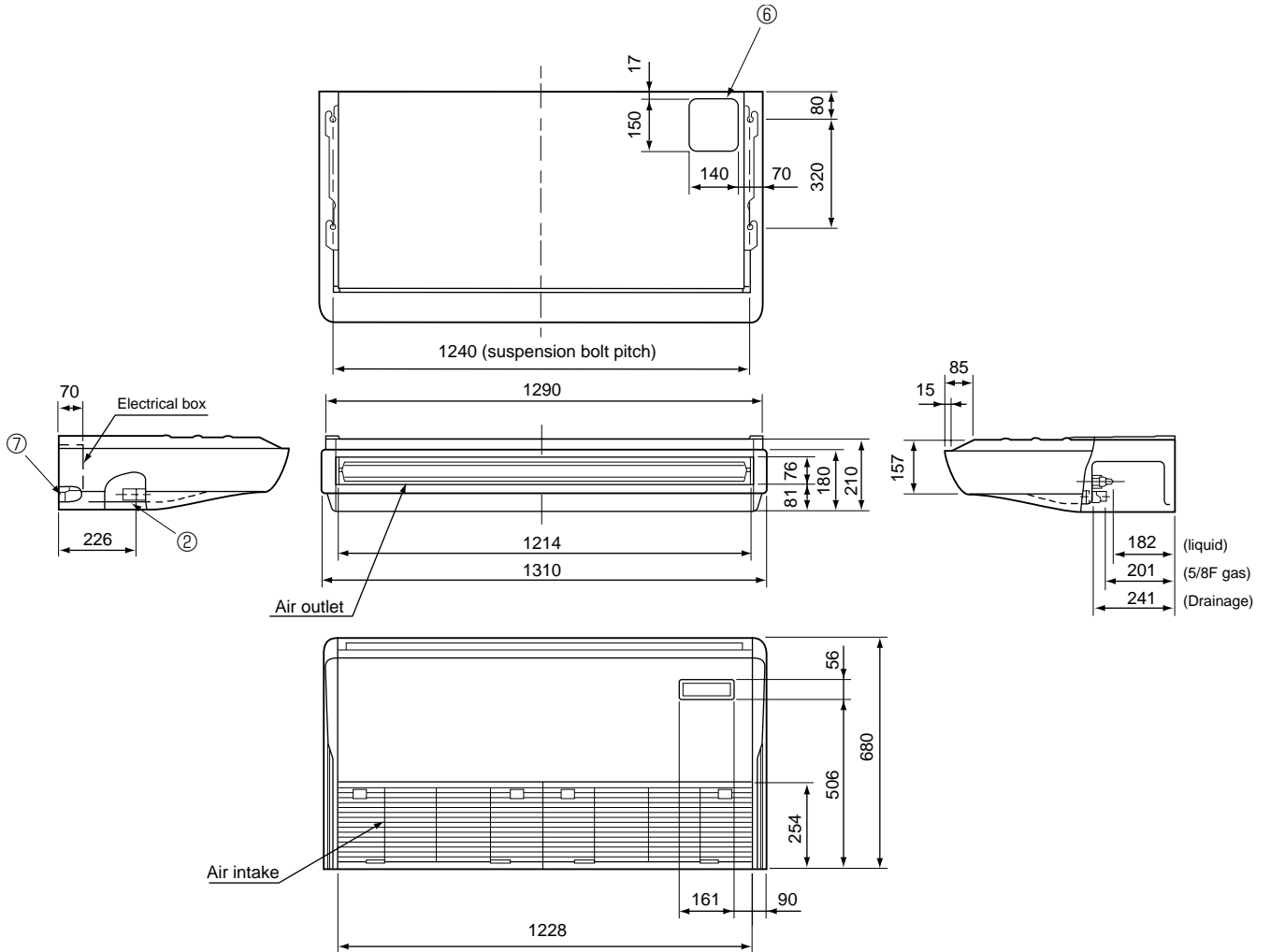
○ : Factory flare nut attachment to the heat-exchanger.

**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

	RP60	RP71,P60,P71
⑤ LIQUID SIDE	φ6.35	—
	φ9.52 ○	φ9.52 ○
④ GAS SIDE	—	—
	φ15.88 ○	φ15.88 ○
	—	—

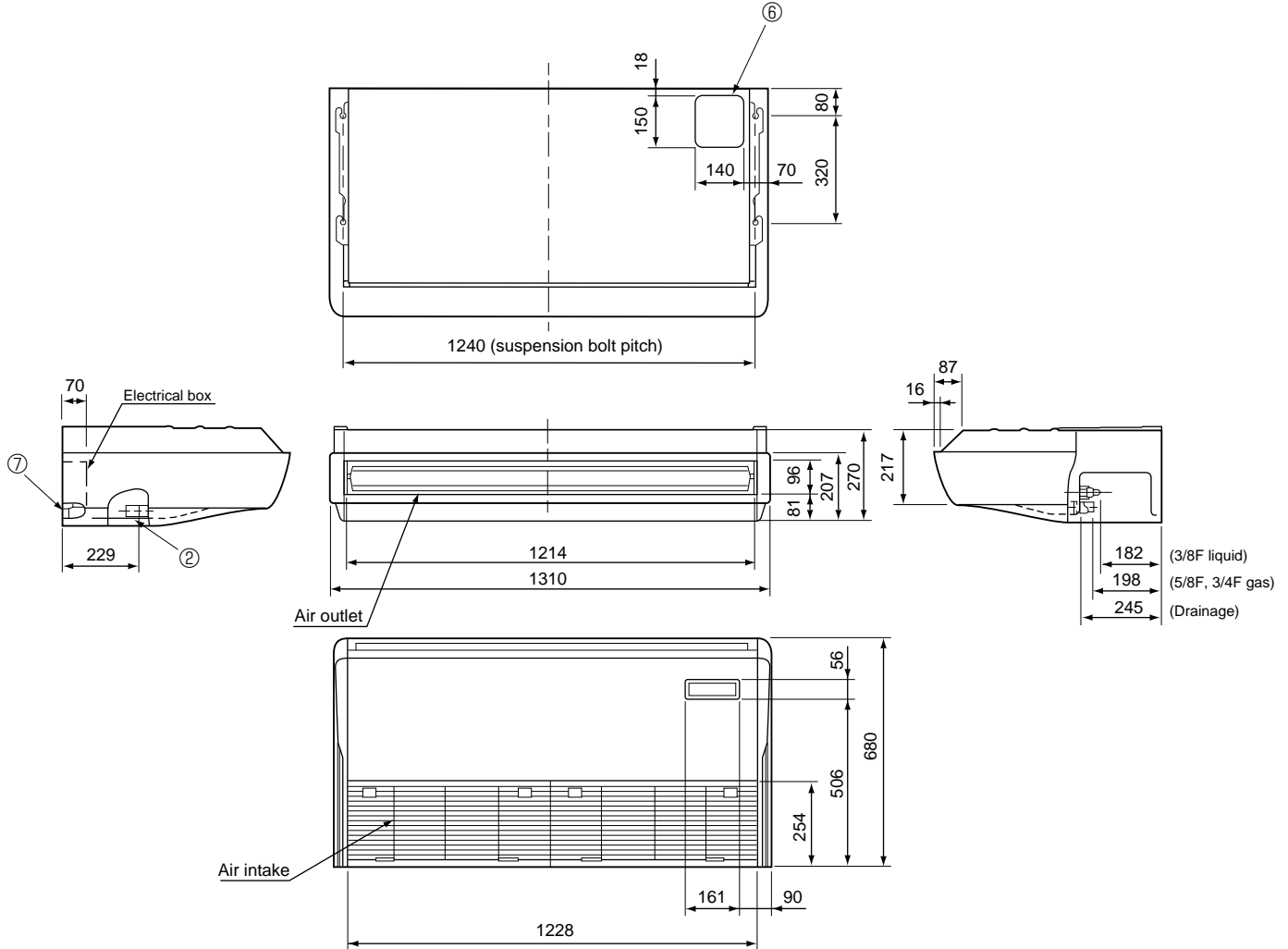
○ : Factory flare nut attachment to the heat-exchanger.

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.



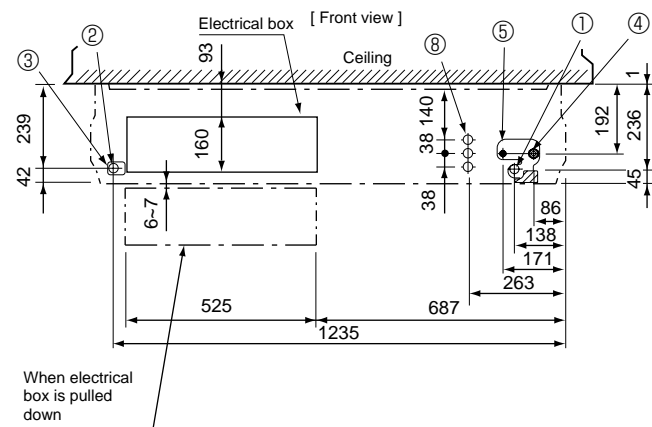
- ① Drainage pipe connection (26mm I.D.)
- ② Drainage pipe connection (for the left arrangement)
- ③ Knock out hole for left drain-piping arrangement
- ④ Refrigerant-pipe connection (gas pipe side/flared connection)
- ⑤ Refrigerant-pipe connection (liquid pipe side/flared connection)
- ⑥ Knock out hole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

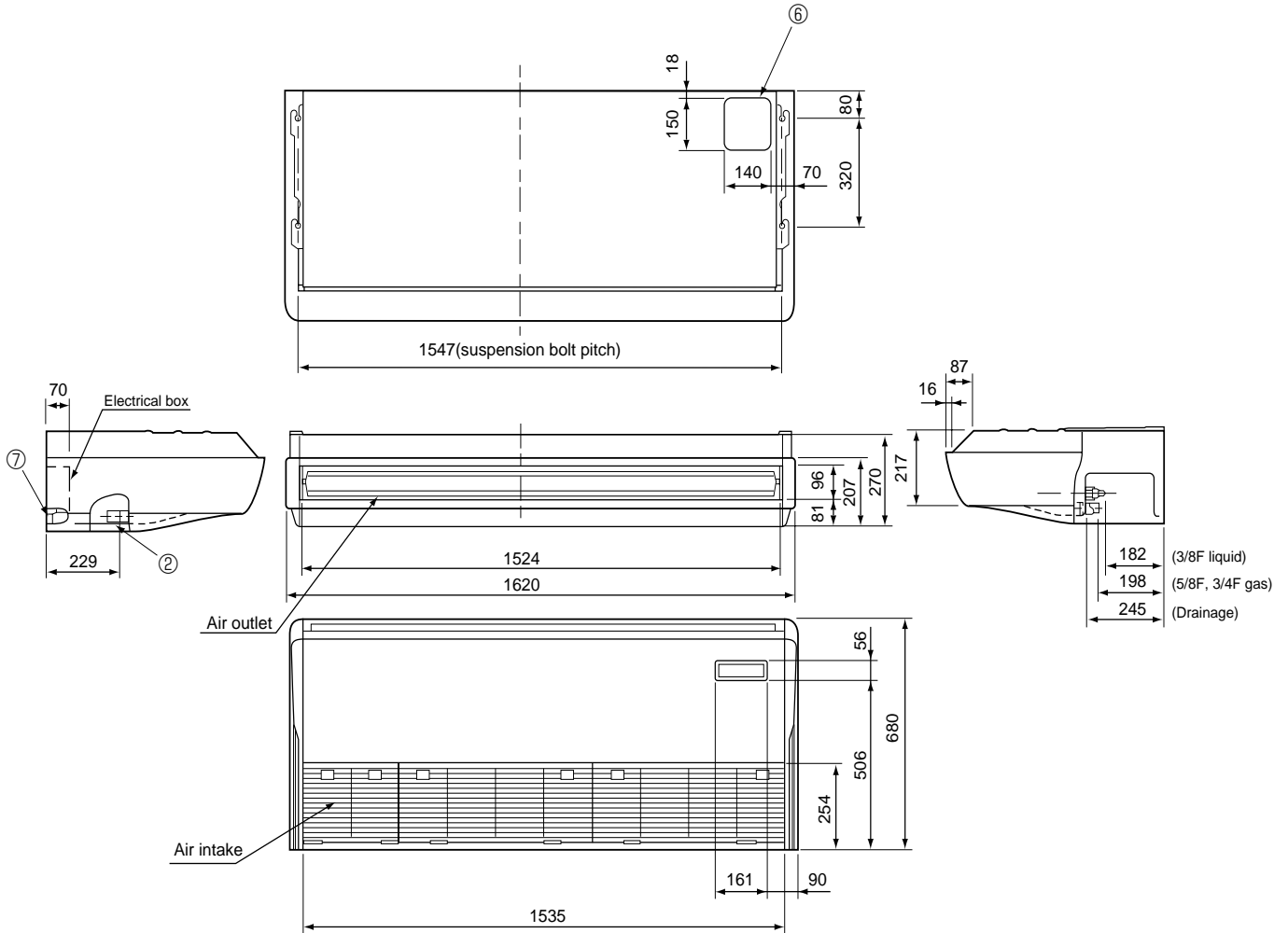


**PCA-RP125GA
PCA-RP140GA**

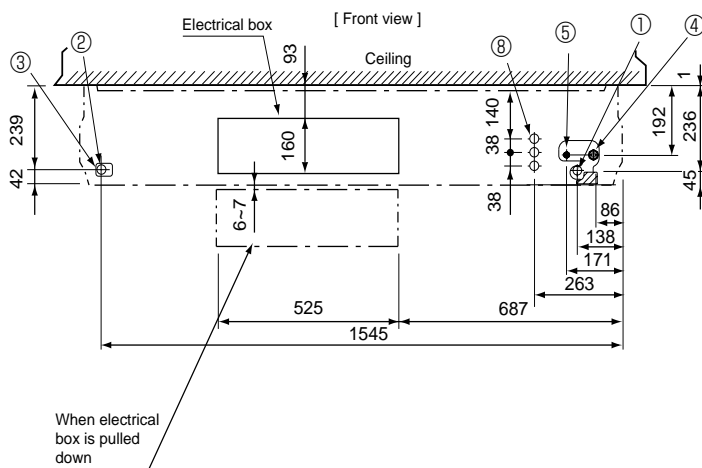
Unit : mm

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

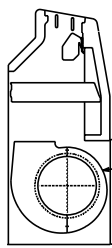
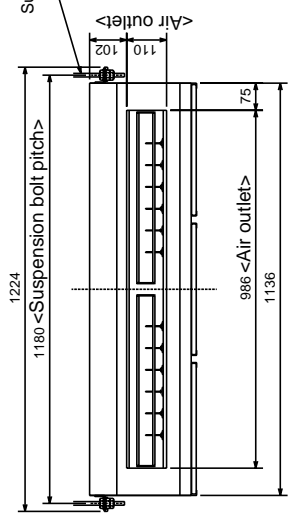
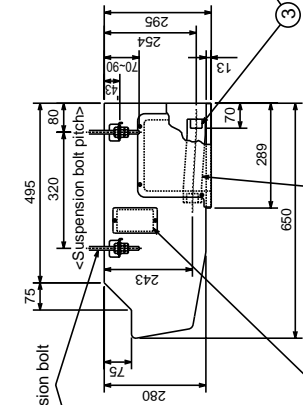
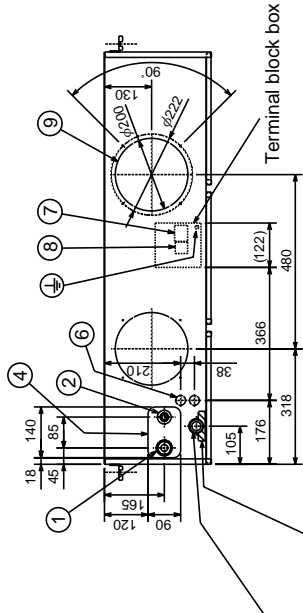
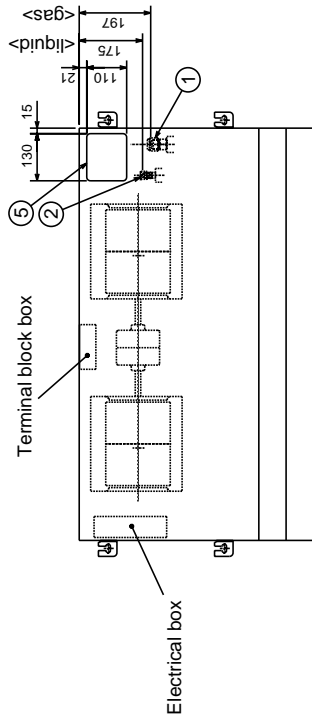
	RP125,140	P125,140
⑥ LIQUID SIDE	—	—
	φ9.52 ○	φ9.52 ○
④ GAS SIDE	—	—
	φ15.88 ○	—
	φ19.05	φ19.05 ○

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

PCA-RP71HA

Unit : mm

- ① Refrigerant-pipe connection(gas pipe side/flared connection : 5/8F)
 - ② Refrigerant-pipe connection(liquid pipe side/flared connection : 3/8F)
 - ③ Flexible hose(essential) → 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
- Option parts: duct flange(φ 200). model: PAC-SF280F-E(1 pcs.)

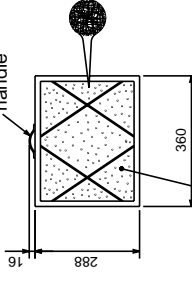


The half bottom of FAN CASING can be separated.

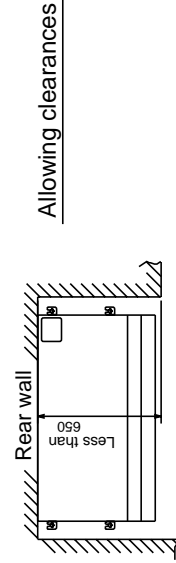
Inspection port (pipe sensor)

<Flexible hose(essential)>

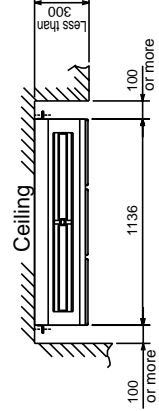
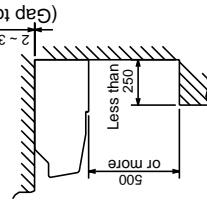
<Filter contour dimension>
handle



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



Allowing clearances

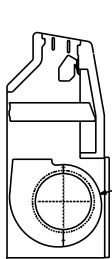
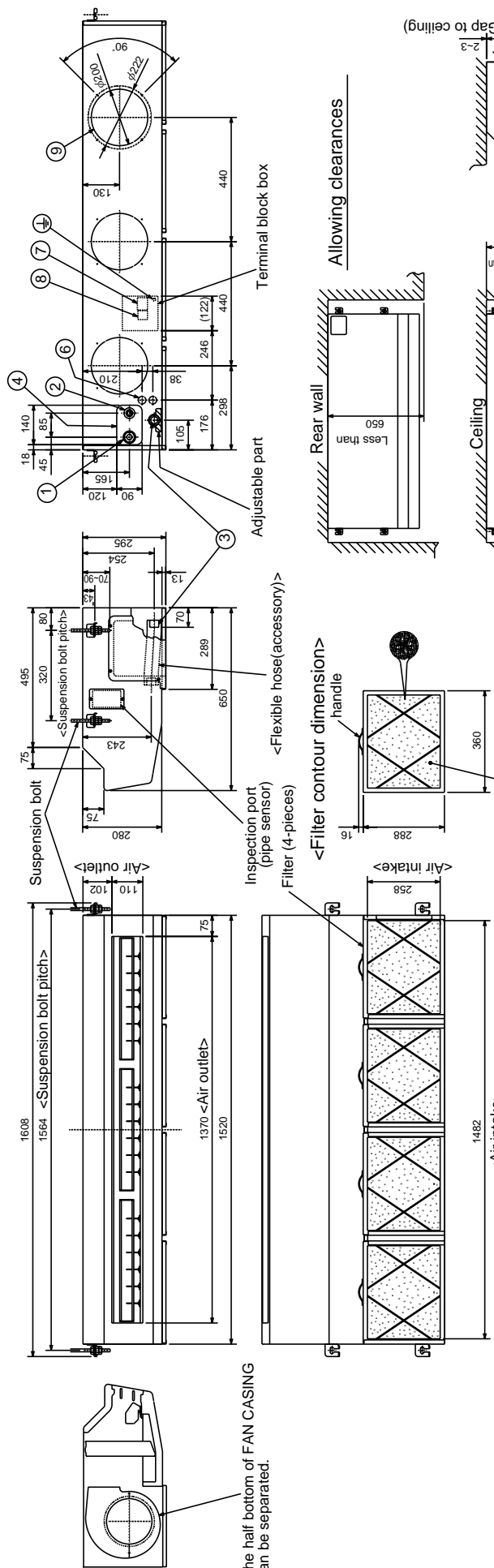
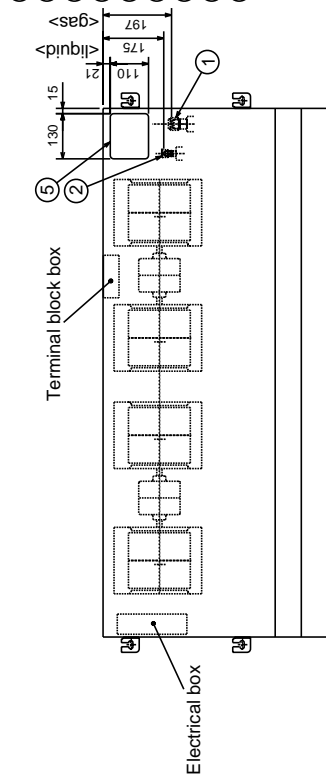


NOTES.
1. Use M10 or W3/8 screw for anchor bolt.

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
- Option parts:duct flange(φ 200). model: PAC-SF28OF-E(1 pcs.)



NOTES.

1. Use M10 or W3/8 screw for anchor bolt.

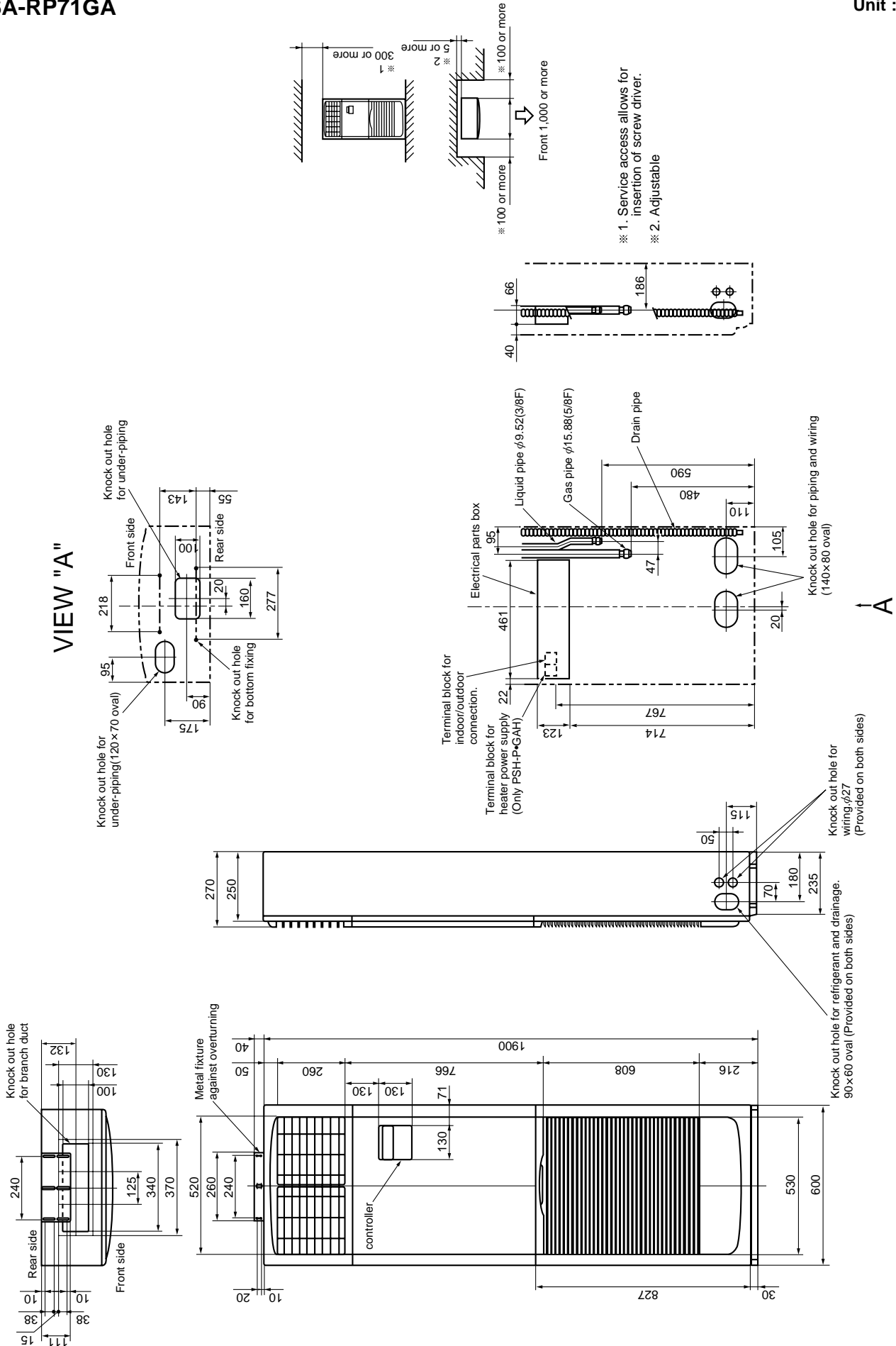
Use the current nuts meeting the pipe size of the outdoor unit.

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

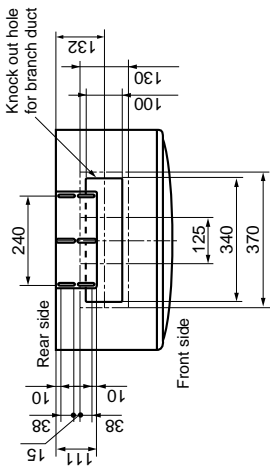
PSA-RP71GA

Unit : mm

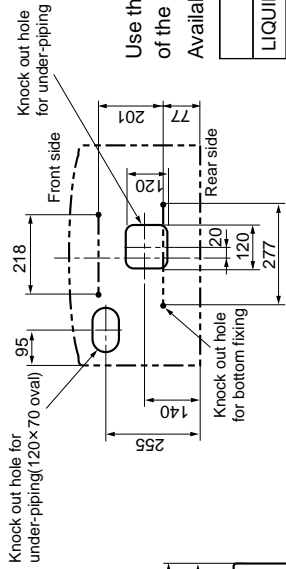


**PSA-RP100GA
PSA-RP125GA
PSA-RP140GA**

Unit : mm



VIEW "A"

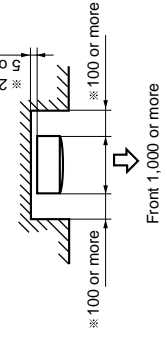
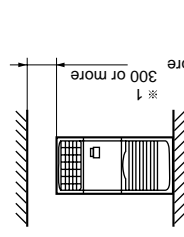
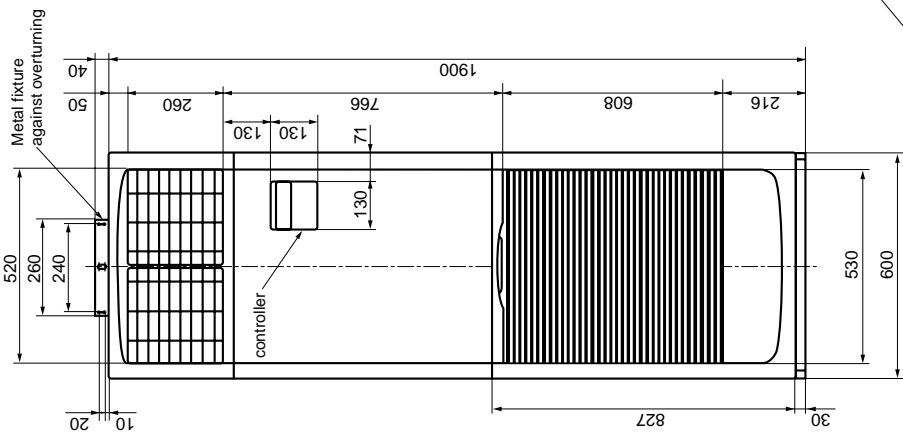


Use the current nuts meeting the pipe size of the outdoor unit.

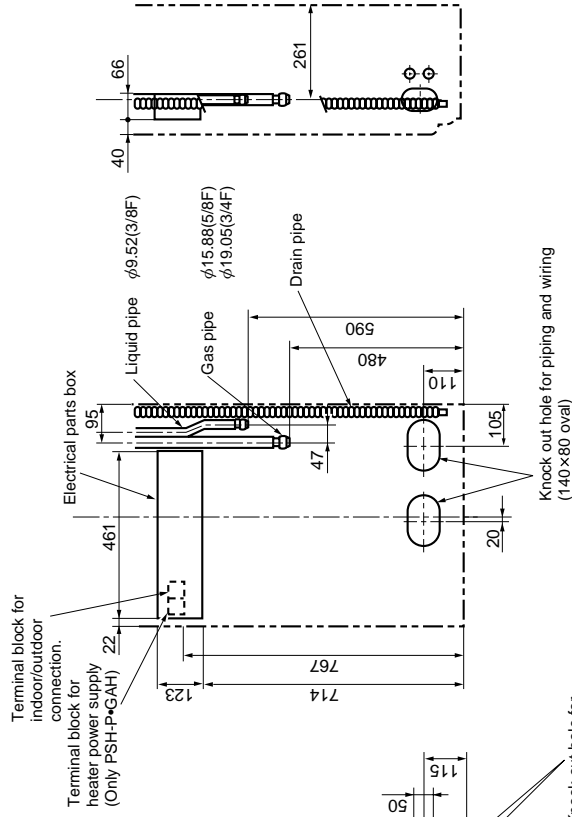
Available pipe size

	RP100,125,140	P100,125,140
LIQUID SIDE	φ 9.52 ○	φ 9.52 ○
GAS SIDE	φ 15.88 ○	φ 19.05 ○

○ : Factory flare nut attachment to the heat-exchanger



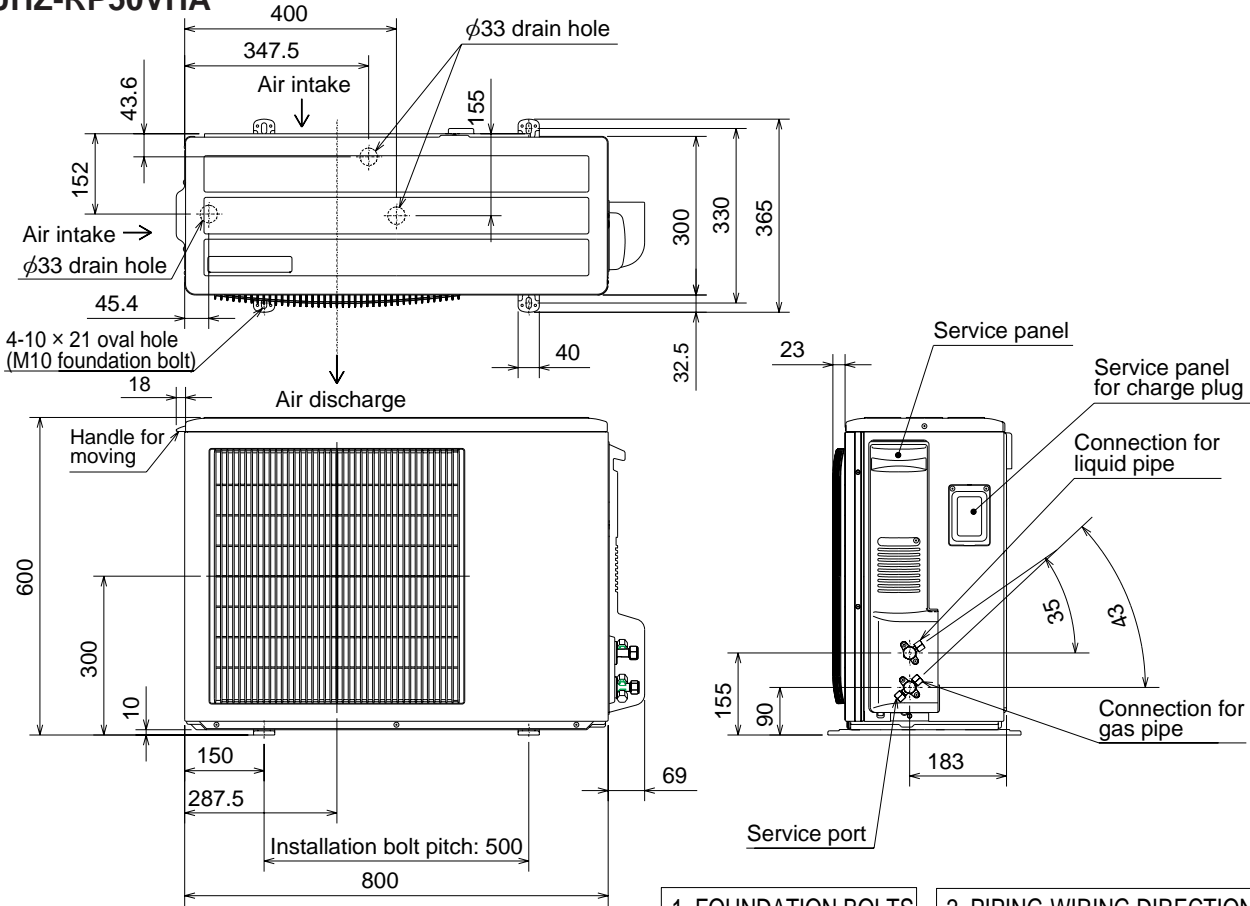
※ 1. Service access allows for insertion of screw driver.
※ 2. Adjustable



A

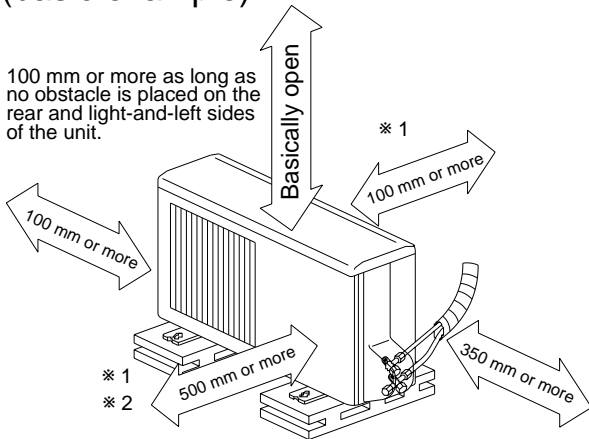
**OUTDOOR UNIT
PUHZ-RP35VHA
PUHZ-RP50VHA**

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.



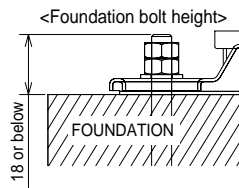
2 sides should be open in the right, left and rear side.

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.)



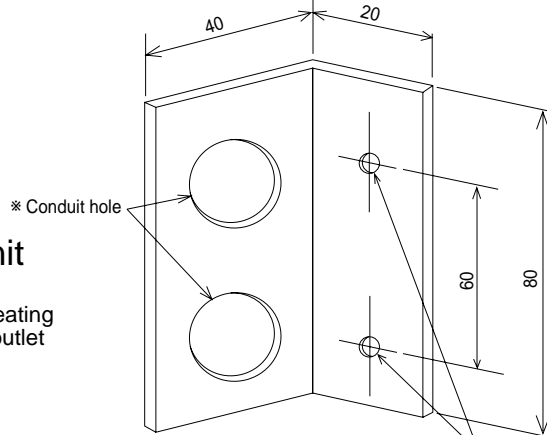
2. PIPING-WIRING DIRECTION

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.

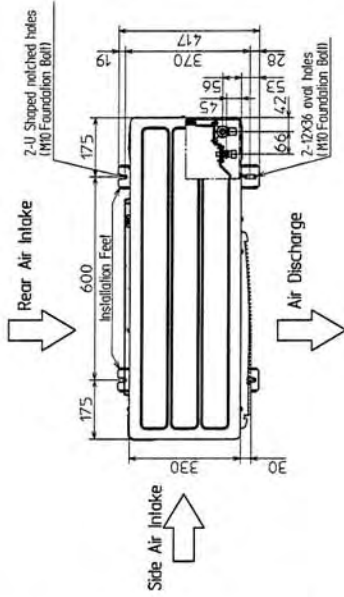
* The position and the size of conduit hole depend on the conduit to be used.



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

PUHZ-RP60VHA
PUHZ-RP71VHA

Unit : mm



1 FREE SPACE (around the unit)

The diagram below shows a basic example. Explanations 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

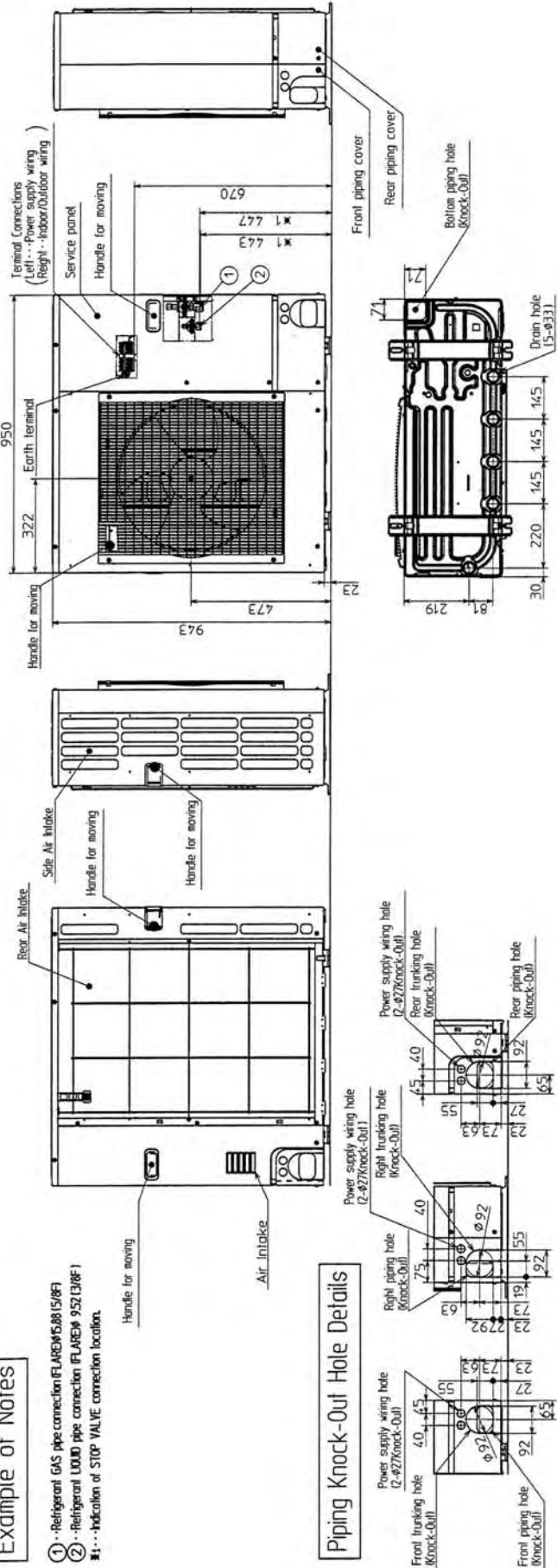
Please secure the unit firmly with 4 foundation (M10) bolts. Bolts and washers must be purchased locally.

4 PIPING-WIRING DIRECTIONS

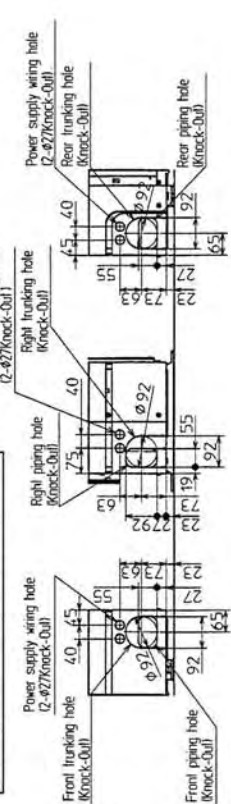
Piping and wiring connections can be made from 4 directions: FRONT, Right, Rear and Below.

Example of Notes

- ① -Refrigerant GAS pipe connection (FLARE)φ5.88 (1/8")
- ② -Refrigerant LIQUID pipe connection (FLARE)φ 9.52 (3/8")
- ※1 - -Indication of STOP VALVE connection location.

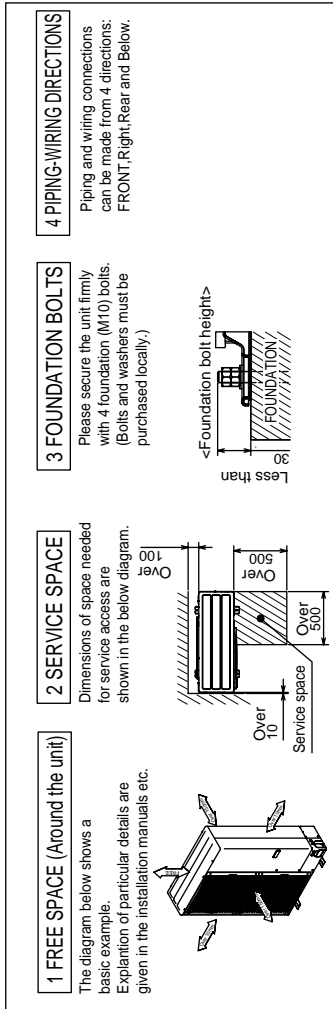
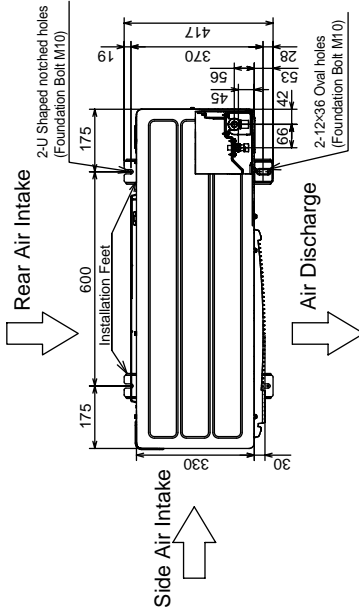


Piping Knock-Out Hole Details



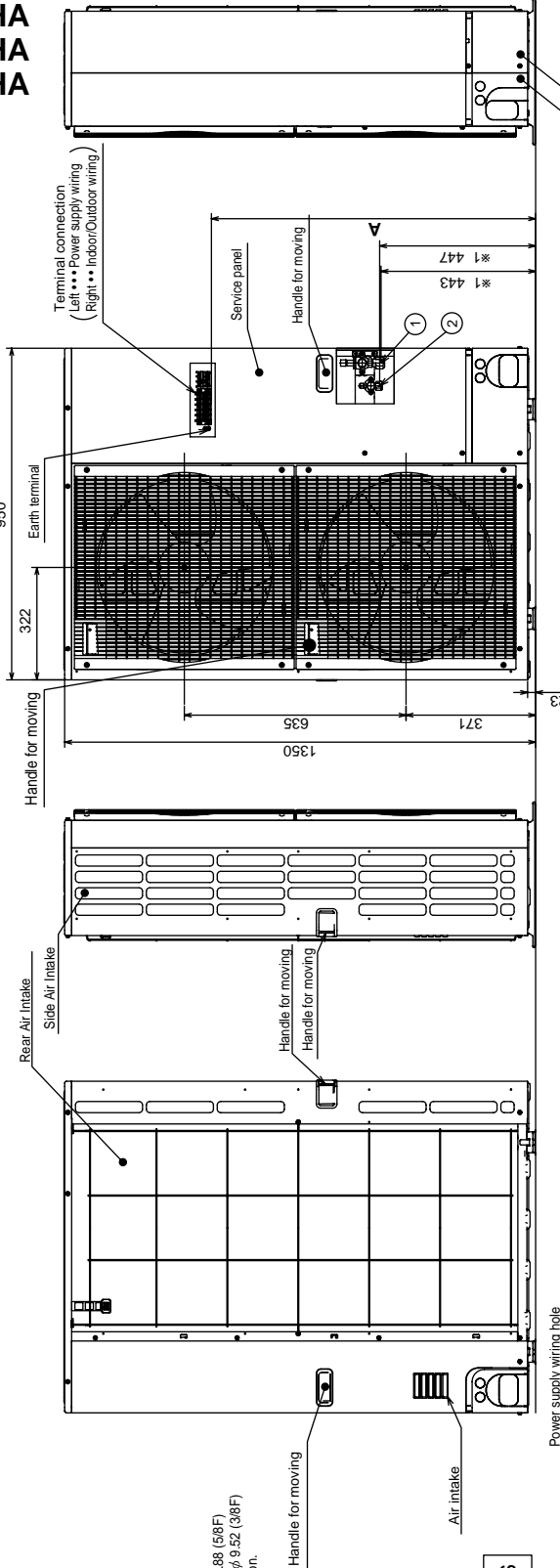
PUHZ-RP100VHA PUHZ-RP100YHA
 PUHZ-RP125VHA PUHZ-RP125YHA
 PUHZ-RP140VHA PUHZ-RP140YHA

Unit : mm

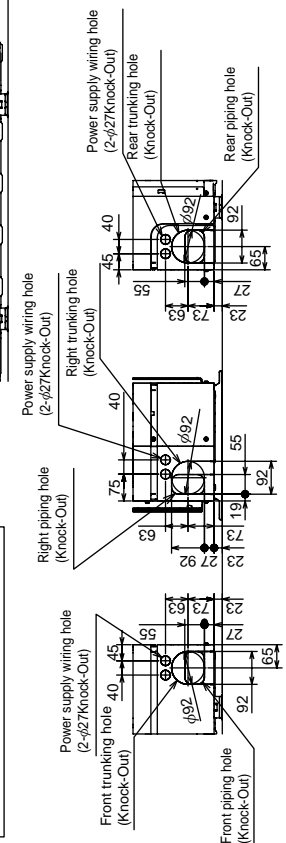


Example of Notes

- ① ••• Refrigerant GAS pipe connection (FLARE)φ15.88 (58F)
- ② ••• Refrigerant LIQUID pipe connection (FLARE)φ9.52 (38F)
- * ••• Indication of STOP VALVE connection location.



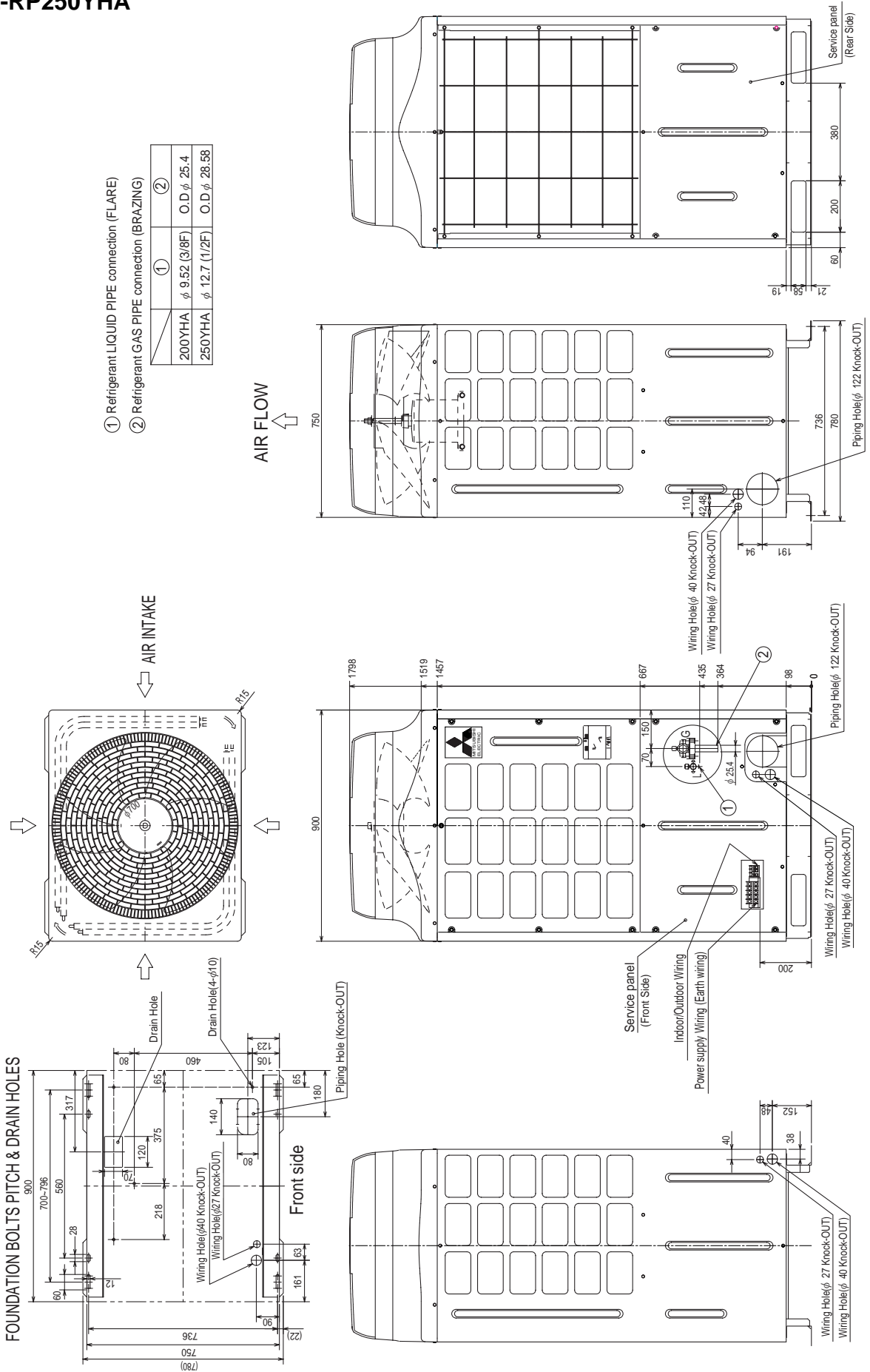
Piping Knock-Out Hole Details



A	
RP-VHA	1,076
RP-YHA	930

PUHZ-RP200YHA
PUHZ-RP250YHA

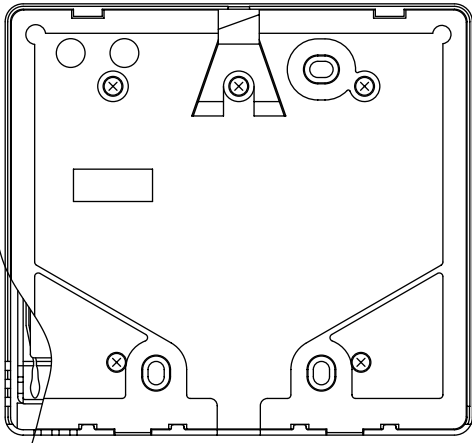
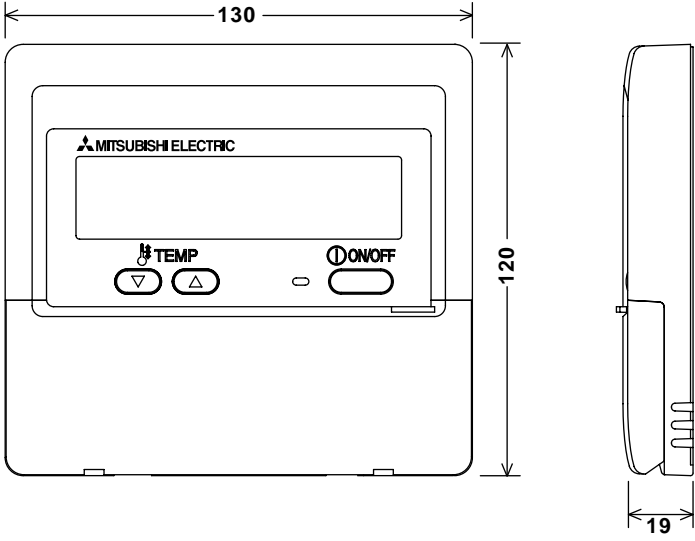
Unit : mm





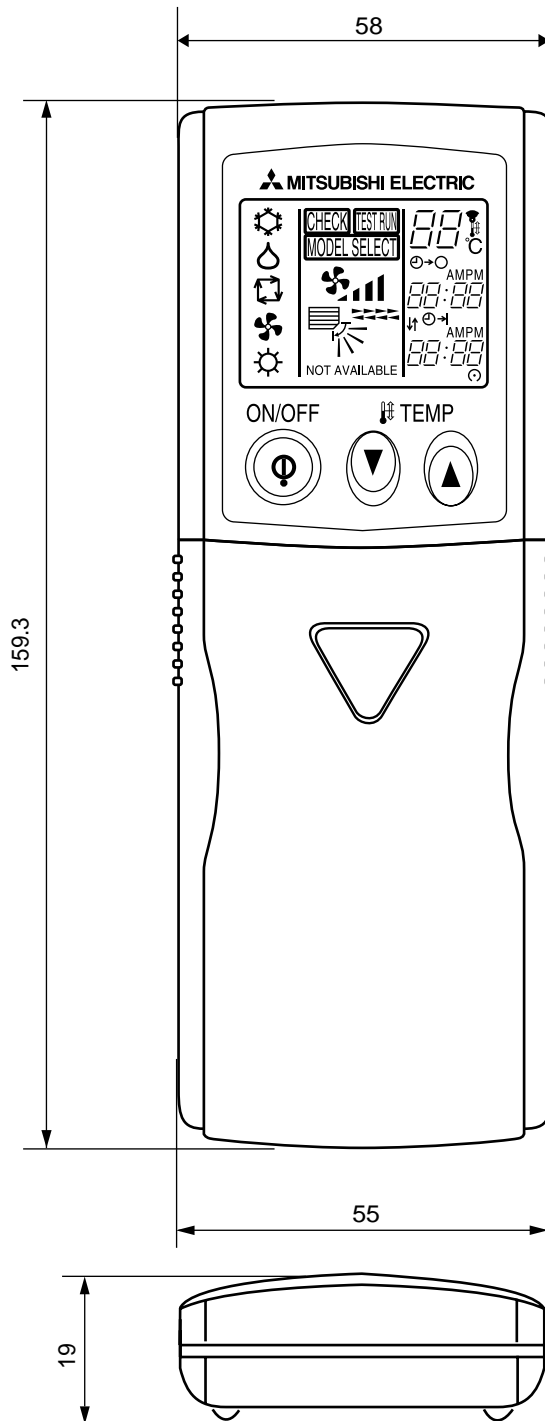
WIRED REMOTE CONTROLLER

Unit : mm



WIRELESS REMOTE CONTROLLER

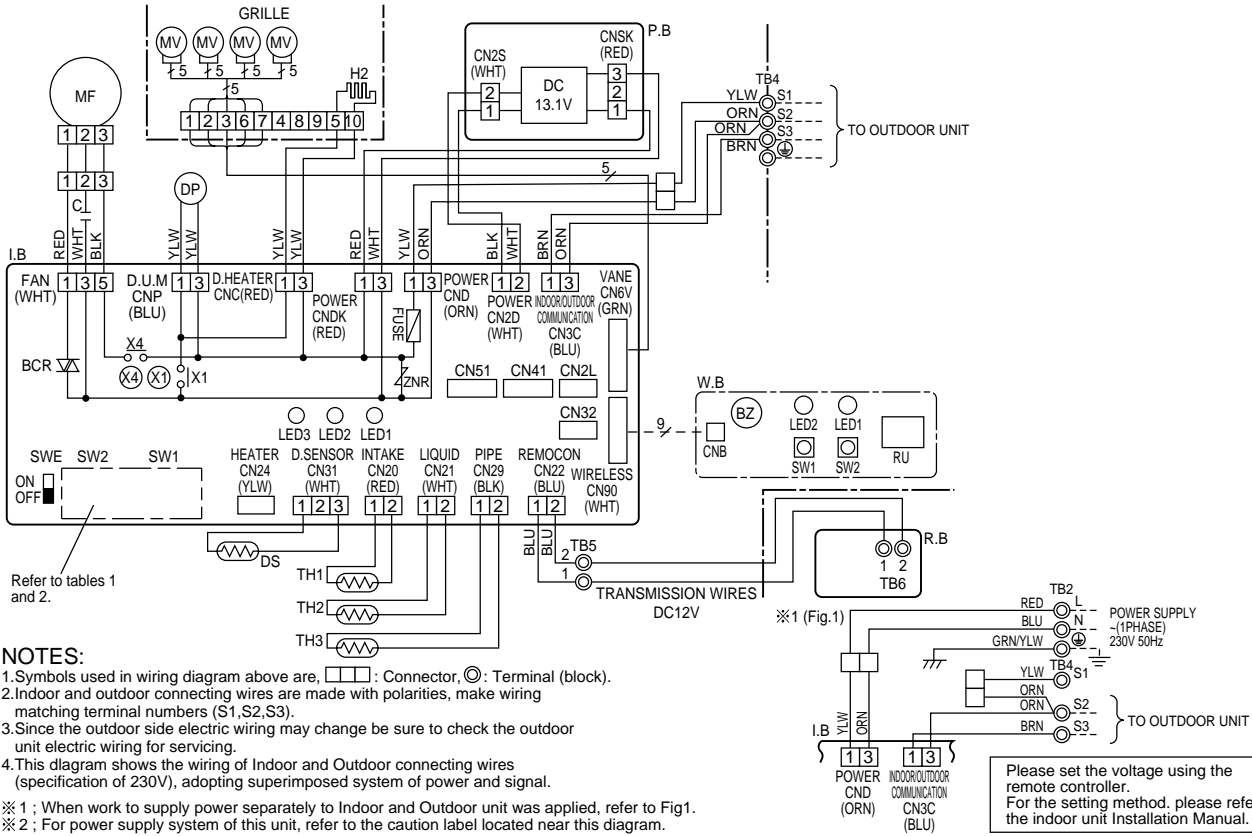
Unit : mm



PLA-RP35AA PLA-RP50AA PLA-RP60AA PLA-RP71AA PLA-RP100AA PLA-RP125AA PLA-RP140AA

[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)	R.B	WIRED REMOTE CONTROLLER BOARD		
C	CAPACITOR(FAN MOTOR)				



NOTES:

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

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

Table 1

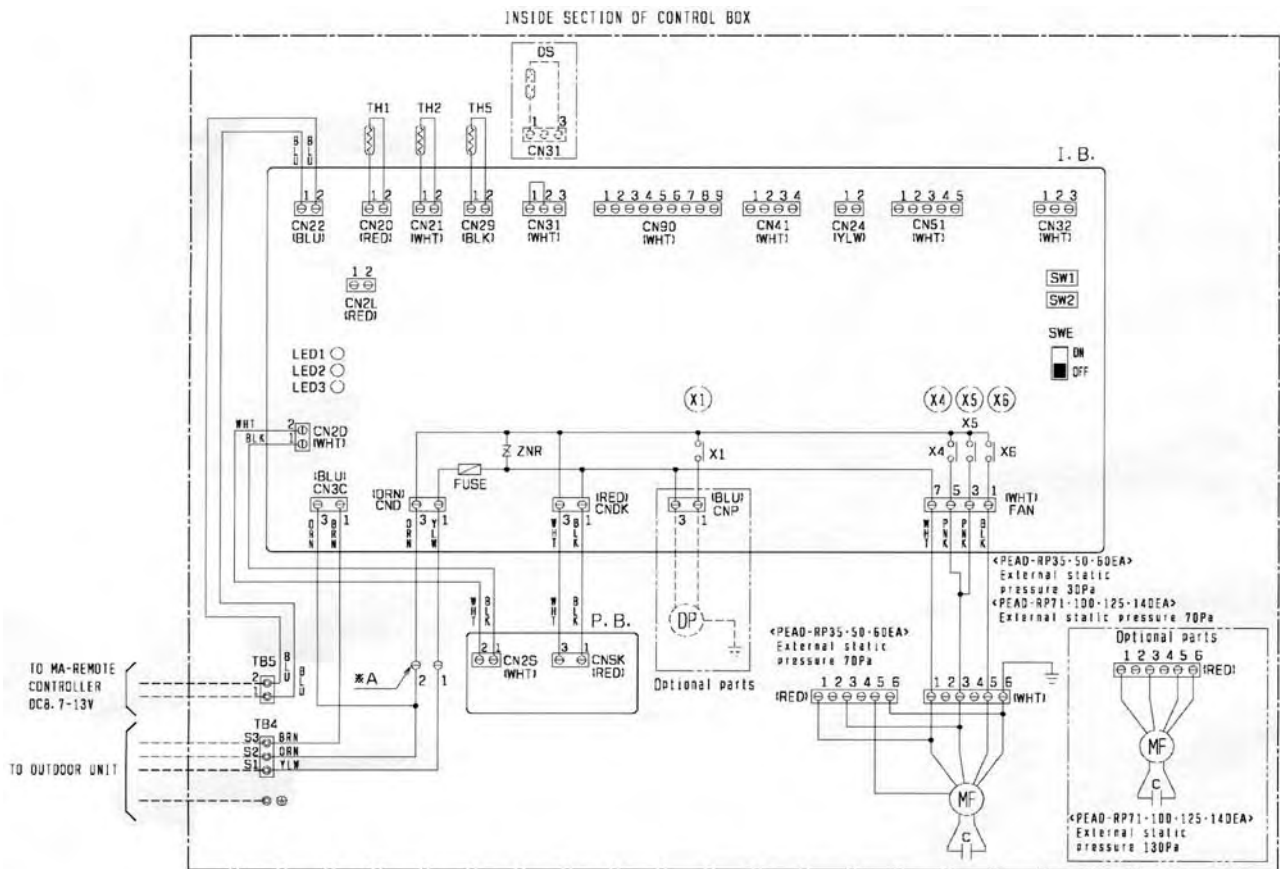
SW1	
MODELS	Service board
PLA-RP. AA	

Table 2

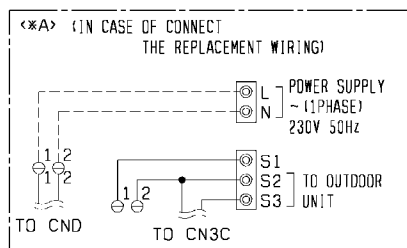
SW2			
MODELS	Service board	MODELS	Service board
PLA-RP35AA		PLA-RP100AA	
PLA-RP50AA		PLA-RP125AA	
PLA-RP60AA		PLA-RP140AA	
PLA-RP71AA			

**PEAD-RP35EA PEAD-RP50EA PEAD-RP60EA PEAD-RP71EA
PEAD-RP100EA 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 (TG. 3A/250V)	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		
CN51	CONNECTOR (CENTRALLY CONTROL)	DRAIN PUMP	(OPTIONAL PARTS)		
CN90	CONNECTOR (WIRELESS)	DP	DRAIN PUMP		
LED1	POWER SUPPLY (I. B.)	DS	DRAIN SENSOR		
LED2	POWER SUPPLY (REMOTE CONTROLLER)	C	CAPACITOR (FAN MOTOR)		
LED3	TRANSMISSION (INDOOR-OUTDOOR)	MF	FAN MOTOR		
SW1	SWITCH (MODEL SELECTION)				



MODELS	SW1	SW2
	Model selection switch	Capacity cord switch
35EA		
50EA		
60EA		
71EA		
100EA		
125EA		
140EA		

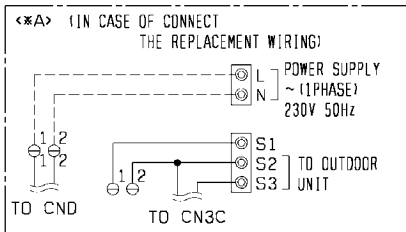
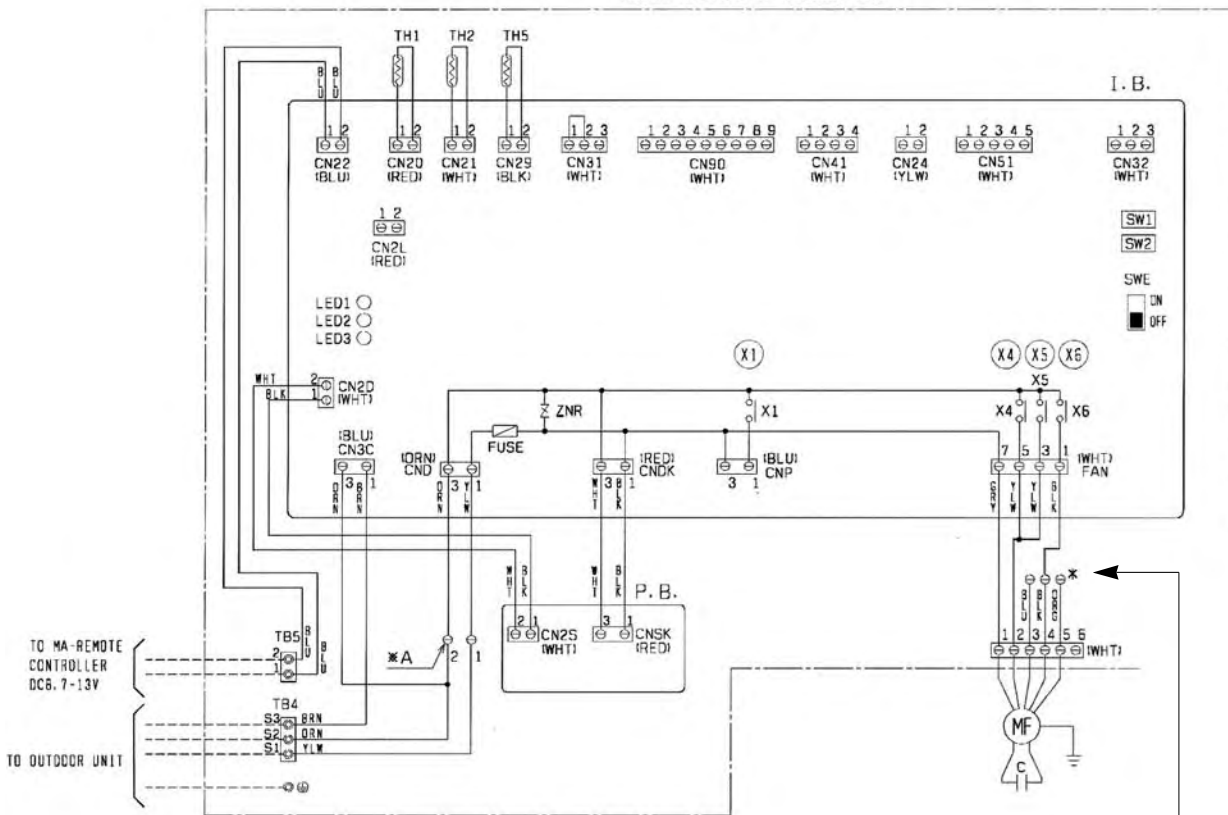


- NOTE 1. SINCE THE OUTDOOR SIDE ELECTRIC WIRING MAY CHANGE BE SURE TO CHECK THE OUTDOOR UNIT ELECTRIC WIRING FOR SERVICING.
2. INDOOR AND OUTDOOR CONNECTING WIRES ARE MADE WITH POLARITIES. MAKE WIRING MATCHING TERMINAL NUMBERS (S1, S2, S3).
3. SYMBOLS USED IN WIRING DIAGRAM ABOVE ARE.
 :CONNECTOR. :TERMINAL.
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	VARIABLE RESISTOR	SWE	SWITCH (EMERGENCY OPERATION)	TH2	PIPE TEMP. THERMISTOR/LIQUID (0°C/15KΩ, 25°C/5.4KΩ DETECT)
CN2L	CONNECTOR (DRAIN)	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)				

INSIDE SECTION OF CONTROL BOX



MODELS	SW1	SW2
	Model selection switch	Capacity cord switch
60GA		
71GA		
100GA		

*External static pressure

CONNECTOR COLOR	220V	230V	240V
BLU	5Pa	10Pa	20Pa
WHT (FACTORY SHIPMENT)	35Pa	50Pa	60Pa
RED	50Pa	70Pa	75Pa

- 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.

PEA-RP71EA PEA-RP100EA PEA-RP125EA PEA-RP140EA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	I.B	INDOOR CONTROLLER BOARD	TB2	TERMINAL BLOCK(INDOOR UNIT POWER(OPTION))
	FUSE	SW1	SWITCH(MODEL SELECTION)*See table 1	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
	ZNR	SW2	SWITCH(CAPACITY CODE)*See table 2	TB5	TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)
	CN2L	SWE	SWITCH(EMERGENCY OPERATION)	TH1	ROOM TEMPERATURE THERMISTOR (0°C/15KΩ, 25°C/5.4KΩ DETECT)
	CN32	X4	RELAY(FAN MOTOR)	TH2	PIPE TEMPERATURE THERMISTOR/LIQUID (0°C/15KΩ, 25°C/5.4KΩ DETECT)
	CN41	X5	RELAY(FAN MOTOR)	TH5	COND./EVA. TEMPERATURE THERMISTOR (0°C/15KΩ, 25°C/5.4KΩ DETECT)
	CN51	X6	RELAY(FAN MOTOR)		
	LED1	R.B	REMOTE CONTROLLER BOARD		
	LED2	TB6	TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)		
	LED3	C	CAPACITOR(FAN MOTOR)		
		MF	FAN MOTOR		

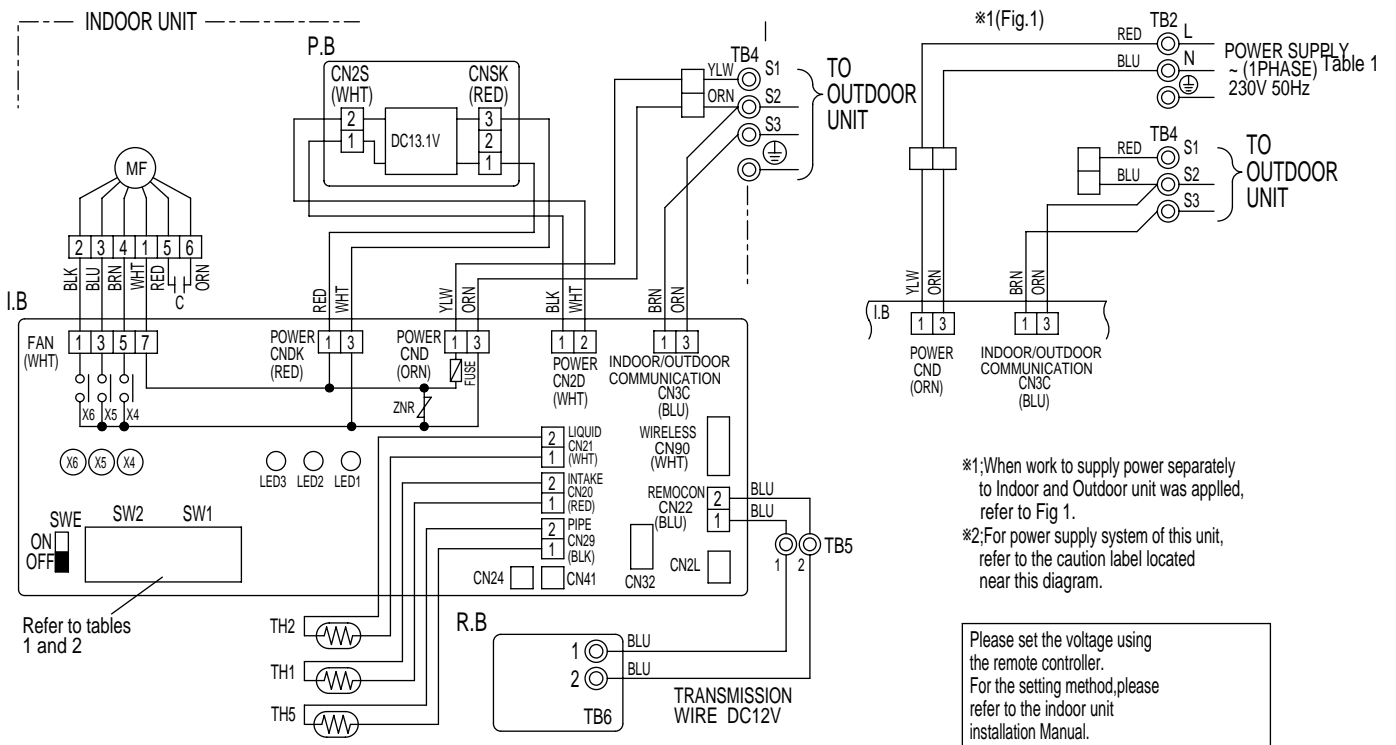


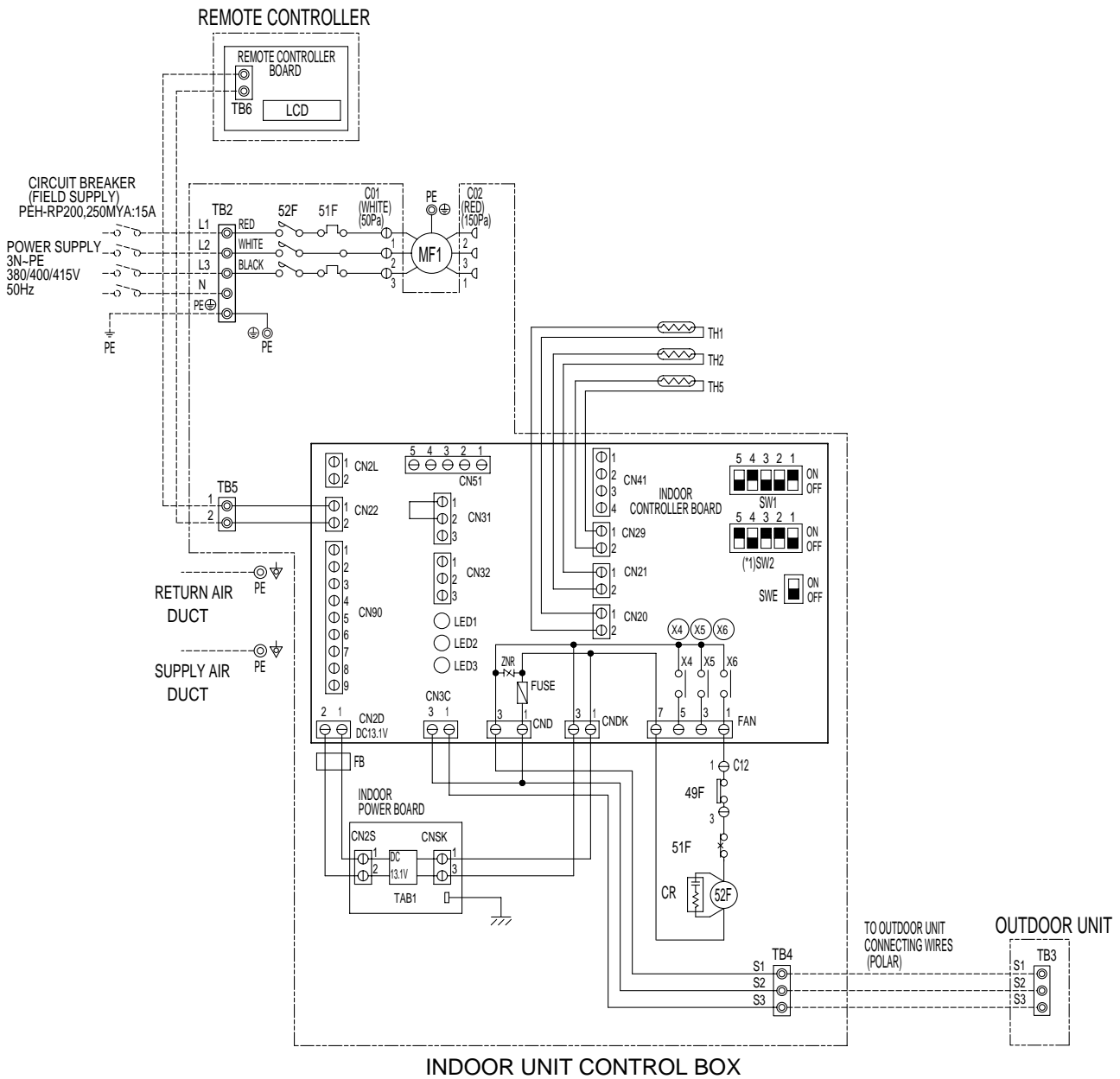
Table 2

SW1		SW2																					
MODELS	Manufacture/Service	MODELS	Manufacture/Service																				
PEA-RP.EA	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>ON</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td></tr> </table>	1	2	3	4	5	ON	OFF	OFF	OFF	OFF	PEA-RP71EA	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>ON</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td></tr> </table>	1	2	3	4	5	ON	OFF	OFF	OFF	OFF
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	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>ON</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td></tr> </table>	1	2	3	4	5	ON	OFF	OFF	OFF	OFF	PEA-RP100EA	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>ON</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td></tr> </table>	1	2	3	4	5	ON	OFF	OFF	OFF	OFF
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ON	OFF	OFF	OFF	OFF																			
1	2	3	4	5																			
ON	OFF	OFF	OFF	OFF																			
	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>ON</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td></tr> </table>	1	2	3	4	5	ON	OFF	OFF	OFF	OFF	PEA-RP125EA	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>ON</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td></tr> </table>	1	2	3	4	5	ON	OFF	OFF	OFF	OFF
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1	2	3	4	5																			
ON	OFF	OFF	OFF	OFF																			
	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>ON</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td></tr> </table>	1	2	3	4	5	ON	OFF	OFF	OFF	OFF	PEA-RP140EA	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>ON</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td></tr> </table>	1	2	3	4	5	ON	OFF	OFF	OFF	OFF
1	2	3	4	5																			
ON	OFF	OFF	OFF	OFF																			
1	2	3	4	5																			
ON	OFF	OFF	OFF	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.

PEH-RP200MYA PEH-RP250MYA



INDOOR UNIT CONTROL BOX

INDOOR UNIT

SYMBOL	NAME
MF1	FAN MOTOR (INDOOR)
51F	OVER CURRENT RELAY (INDOOR FAN MOTOR)
52F	MAGNETIC CONTACTOR (INDOOR FAN MOTOR)
49F	INTERNAL THERMOSTAT (INDOOR FAN MOTOR)
TB2,4,5	TERMINAL BLOCK
TH1	ROOM TEMP
TH2	THERMISTOR LIQUID PIPE TEMP
TH5	COND/EVA TEMP
CR	SURGE KILLER
FB	FERRITE CORE
INDOOR CONTROLLER BOARD	FUSE (T6.3AL250V)
	ZNR
	VARIATOR
	X4-6
	SW1
	SW2
	SWE
	LED1
	LED2
	LED3

OUTDOOR UNIT

SYMBOL	NAME
TB3	TERMINAL BLOCK

REMOTE CONTROLLER

SYMBOL	NAME
TB6	TERMINAL BLOCK

Note:1. The dotted lines show field wiring.

2. Color of earth wire is yellow and green twisting.

3. Specification subject to change without notice.

4. Indoor and outdoor connecting wires are made with polarities, make sure matching wiring and terminal.

5. Emergency operation

If a trouble occurs with either the remote controller or the indoor micro-computer and no other trouble exists, emergency operation for cooling or heating can be performed by changing the setting of switch (SWE) "ON" on the indoor controller board.

6. SW2(*1) shows PEH-RP250MYA setting.

In case of PEH-RP200MYA setting is shown as below.

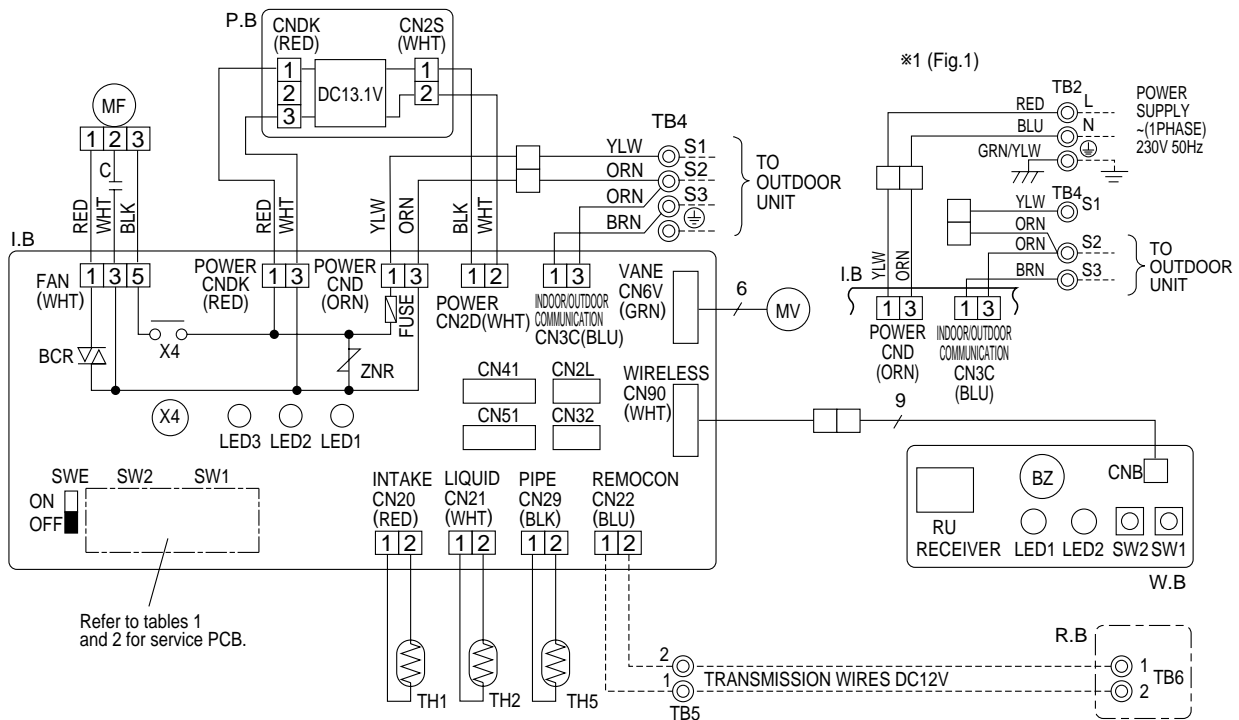


7. [Symbol] mark is connector.

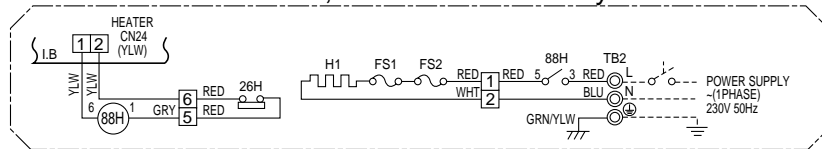
Caution,

1. To protect fan motor from abnormal current, over current relays is installed. Therefore, do not change factory set value of over current relays.

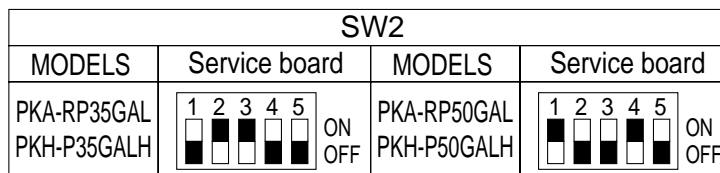
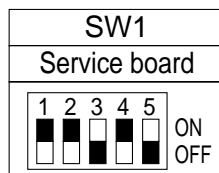
PKA-RP35GAL PKA-RP50GAL



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.



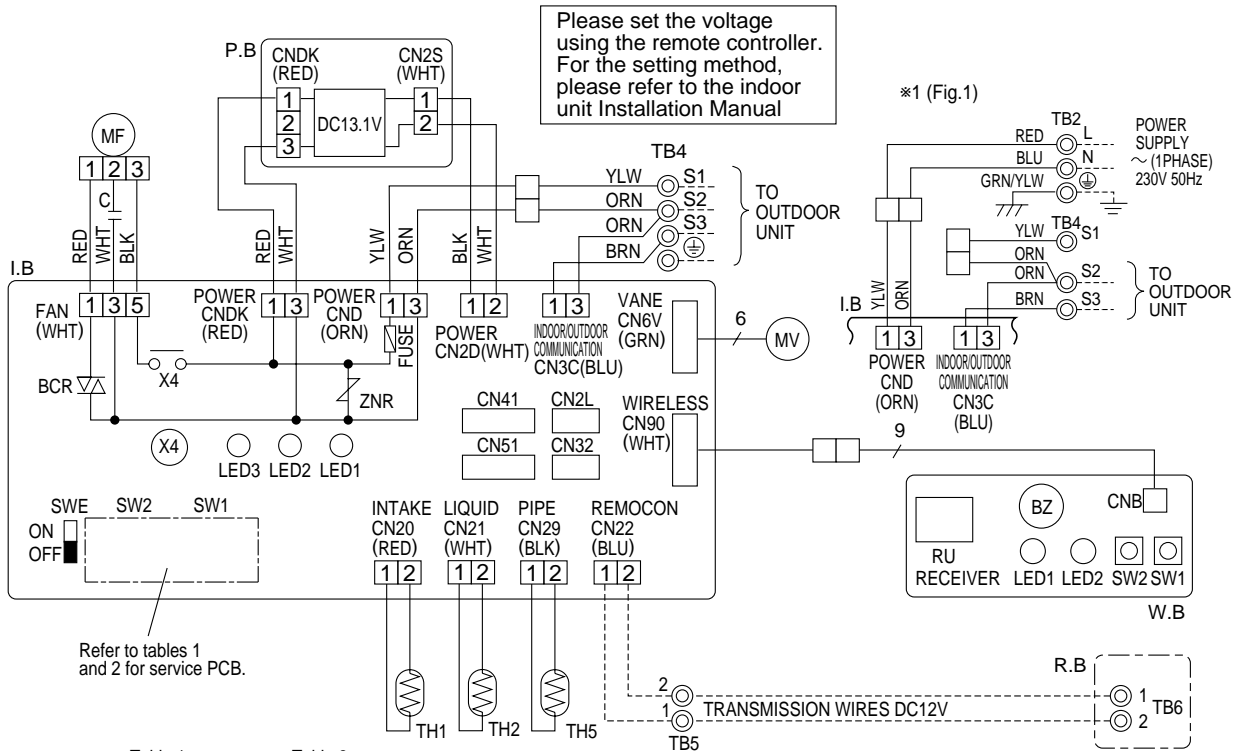
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	C	CAPACITOR <FAN MOTOR>	W.B	WIRELESS REMOTE CONTROLLER BOARD
I.B	INDOOR CONTROLLER BOARD	MF	FAN MOTOR	RU	RECEIVING UNIT
	FUSE FUSE (T6.3AL250V)	MV	VANE MOTOR	BZ	BUZZER
	ZNR VARIATOR	TB2	TERMINAL BLOCK (HEATER) *PKH-P.GALH models only or option 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>			SW2	SWITCH (COOLING ON/ OFF)
	CN51 CONNECTOR <CENTRALLY CONTROL>			R.B	WIRED REMOTE CONTROLLER BOARD
	SW1 SWITCH <MODEL SELECTION>*See Table 1.	TH1	ROOM TEMP.THERMISTOR <0°C/ 15kΩ, 25°C/ 5.4kΩ DETECT>	HEATER	
	SW2 SWITCH <CAPACITY CODE>*See Table 2.	TH2	PIPE TEMP.THERMISTOR/ LIQUID <0°C/ 15kΩ, 25°C/ 5.4kΩ DETECT>	FS1	THERMAL FUSE <104°C 10A>
	SWE SWITCH <EMERGENCY OPERATION>	TH5	COND./ EVA.TEMP.THERMISTOR <0°C/ 15kΩ, 25°C/ 5.4kΩ DETECT>	FS2	THERMAL FUSE <84°C 10A>
	X4 RELAY <FAN MOTOR>			H1	HEATER
	BCR FAN CONTROL ELEMENT			26H	HEATER THERMAL SWITCH
	LED1 POWER SUPPLY <L.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-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 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.

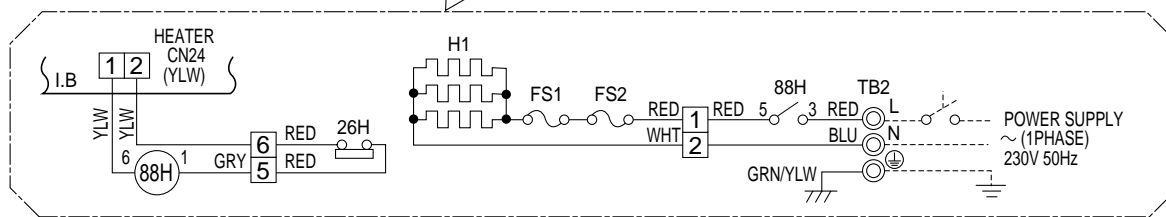
Table 1

SW1	Service board
1 2 3 4 5	ON OFF

Table 2

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

PKH-P60~P100FALH models only



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. Make sure that the main power supply of the booster heater is independent.
 4. 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-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 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°C/15kΩ, 25°C/5.4kΩ DETECT)	HEATER	
SW1	SWITCH (MODEL SELECTION) *See Table 1.	TH2	PIPE TEMP.THERMISTOR/LIQUID (0°C/15kΩ, 25°C/5.4kΩ DETECT)	FS1,2	THERMAL FUSE(98°C:10A:50GAH/117°C:16A:100GAH 110°C:16A:60,71,125,140GAH)
SW2	SWITCH (CAPACITY CODE) *See Table 2.	TH5	COND./EVA.TEMP.THERMISTOR (0°C/15kΩ, 25°C/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(L.B)				
LED2	POWER SUPPLY(R.B)				
LED3	TRANSMISSION(INDOOR-OUTDOOR)				
C	CAPACITOR(FAN MOTOR)				

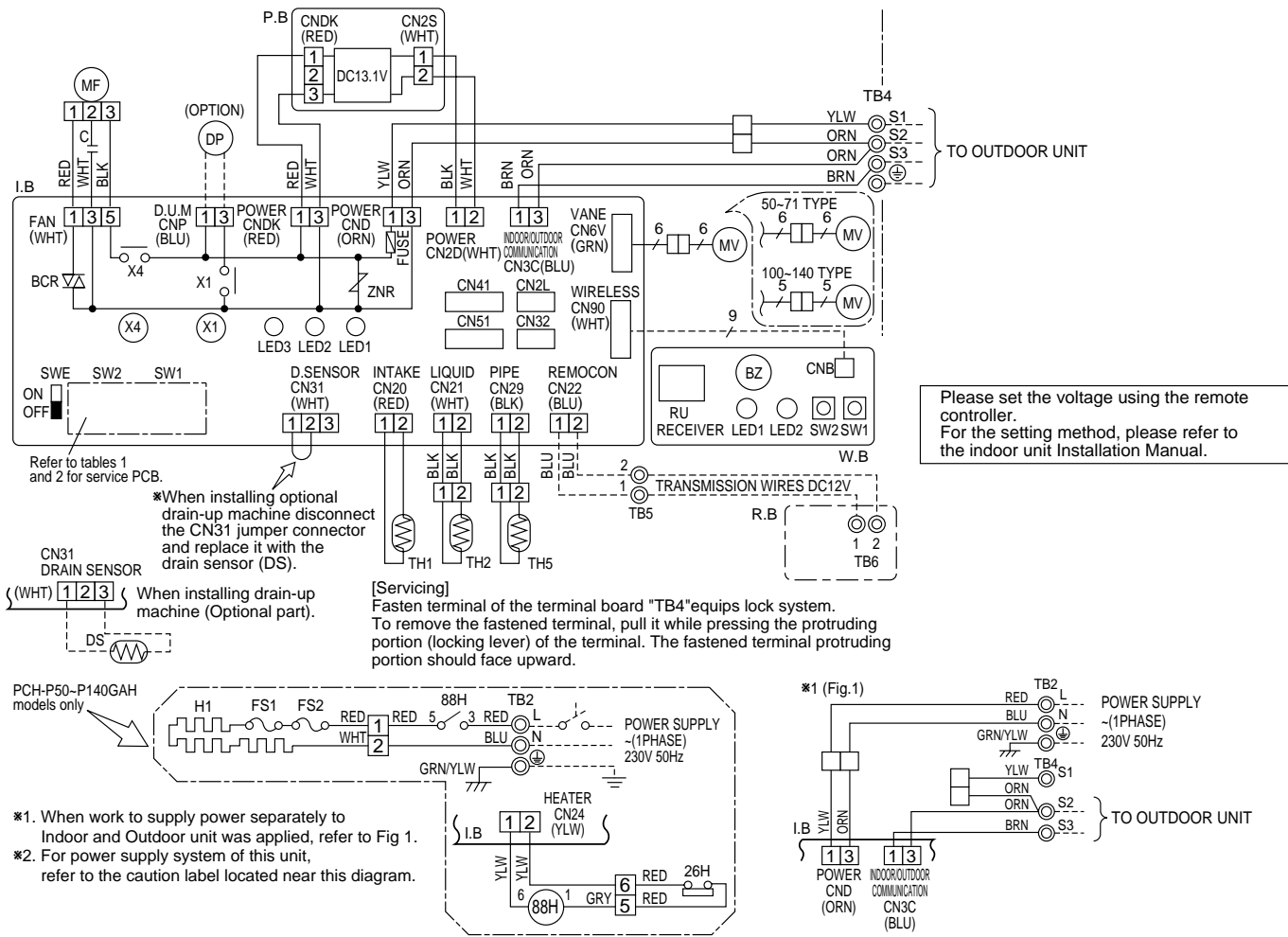


Table 1

MODELS	Service board
PCA-RP.GA PCH-P.GAH	ON OFF

Table 2

MODELS	Service board	MODELS	Service board
PCA-RP50GA PCH-P50GAH	ON OFF	PCA-RP100GA PCH-P100GAH	ON OFF
PCA-RP60GA PCH-P60GAH	ON OFF	PCA-RP125GA PCH-P125GAH	ON OFF
PCA-RP71GA PCH-P71GAH	ON OFF	PCA-RP140GA PCH-P140GAH	ON 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 independent.
 - 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	FUSE (T6.3AL250V)	H2	DEW PREVENTION HEATER
ZNR	VARISTOR	TB2	TERMINAL BLOCK(INDOOR UNIT POWER (OPTION))
CN2L	CONNECTOR (LOSSNAY)	TB4	TERMINAL BLOCK(INDOOR/OUTDOOR CONNECTING LINE)
CN32	CONNECTOR (REMOTE SWITCH)	TB5, TB6	TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)
CN41	CONNECTOR (HA TERMINAL-A)	TH1	ROOM TEMP.THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)
CN51	CONNECTOR (CENTRALLY CONTROLL)	TH2	PIPE TEMP.THERMISTOR/LIQUID (0°C/15kΩ, 25°C/5.4kΩ DETECT)
LED1	POWER SUPPLY (I. B)	TH5	COND./ EVA.TEMP.THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)
LED2	POWER SUPPLY (R. B)	R. B	WIRED REMOTE CONTROLLER BOARD
LED3	TRANSMISSION(INDOOR-OUTDOOR)		
X1	RELAY (DEW PREVENTION HEATER)		
X4	RELAY (FAN MOTOR)		
X5	RELAY (FAN MOTOR)		
X6	RELAY (FAN MOTOR)		
SW1	SWITCH (MODEL SELECTION) ※See Table 1.		
SW2	SWITCH (CAPACITY CODE) ※See Table 2.		
SWE	SWITCH (EMERGENCY OPERATION)		

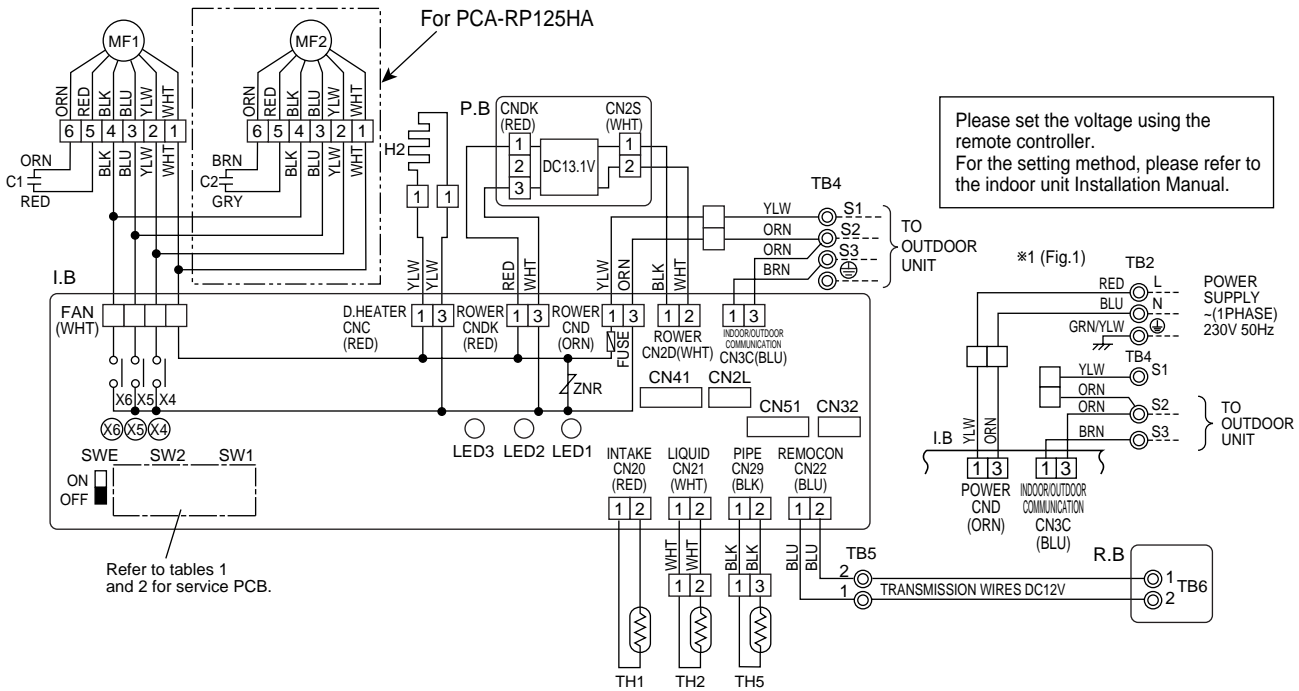


Table 1

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

Table 2

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

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).
 - 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.

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.	ML	LOUVER MOTOR
CN2L	CONNECTOR (LOSSNAY)	SWE	SWITCH (EMERGENCY OPERATION)	TB2	TERMINAL BLOCK (HEATER) ※PSH-P.GAH models only or option for PSA-RP.GA models.
CN32	CONNECTOR (REMOTE SWITCH)	X2	RELAY (LOUVER)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN41	CONNECTOR (HA TERMINAL-A)	X4	RELAY (FAN MOTOR)	TH1	ROOM TEMP.THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)
CN51	CONNECTOR (CENTRALLY CONTROL)	X5	RELAY (FAN MOTOR)	TH2	PIPE TEMP.THERMISTOR/LIQUID (0°C/15kΩ, 25°C/5.4kΩ DETECT)
LED1	POWER SUPPLY (I.B)	X6	RELAY (FAN MOTOR)	TH5	COND./EVA.TEMP.THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)
LED2	POWER SUPPLY (R.B)	R.B	WIRED REMOTE CONTROLLER BOARD		
LED3	TRANSMISSION (INDOOR-OUTDOOR)	TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)		
		HEATER			
		FS1,2	THERMAL FUSE (110°C/16A)		
		H	HEATER		
		26H	HEATER THERMAL SWITCH		
		88H	HEATER CONTACTOR		

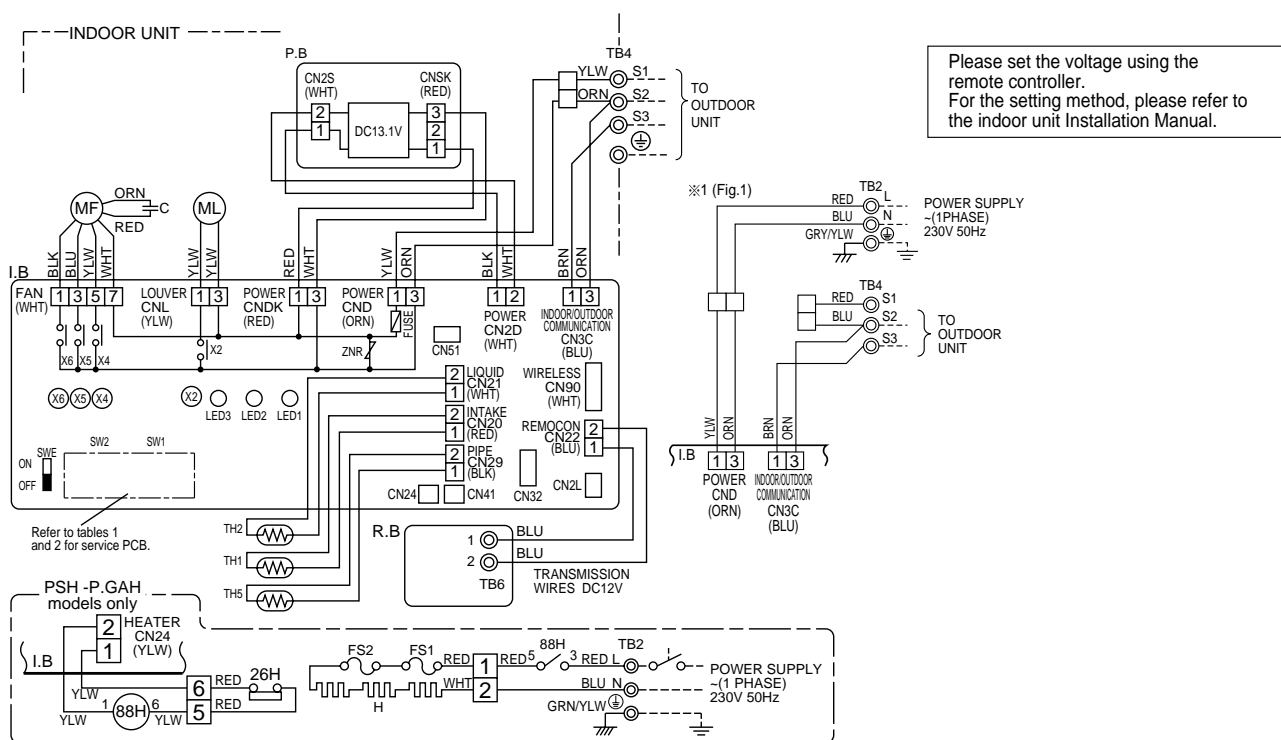


Table 1

MODELS	Service board												
PSA-RP.GA	<table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>ON</td> </tr> <tr> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>OFF</td> </tr> </table>	1	2	3	4	5	ON	■	■	■	■	■	OFF
1	2	3	4	5	ON								
■	■	■	■	■	OFF								
PSH-P.GAH	<table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>ON</td> </tr> <tr> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>OFF</td> </tr> </table>	1	2	3	4	5	ON	■	■	■	■	■	OFF
1	2	3	4	5	ON								
■	■	■	■	■	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

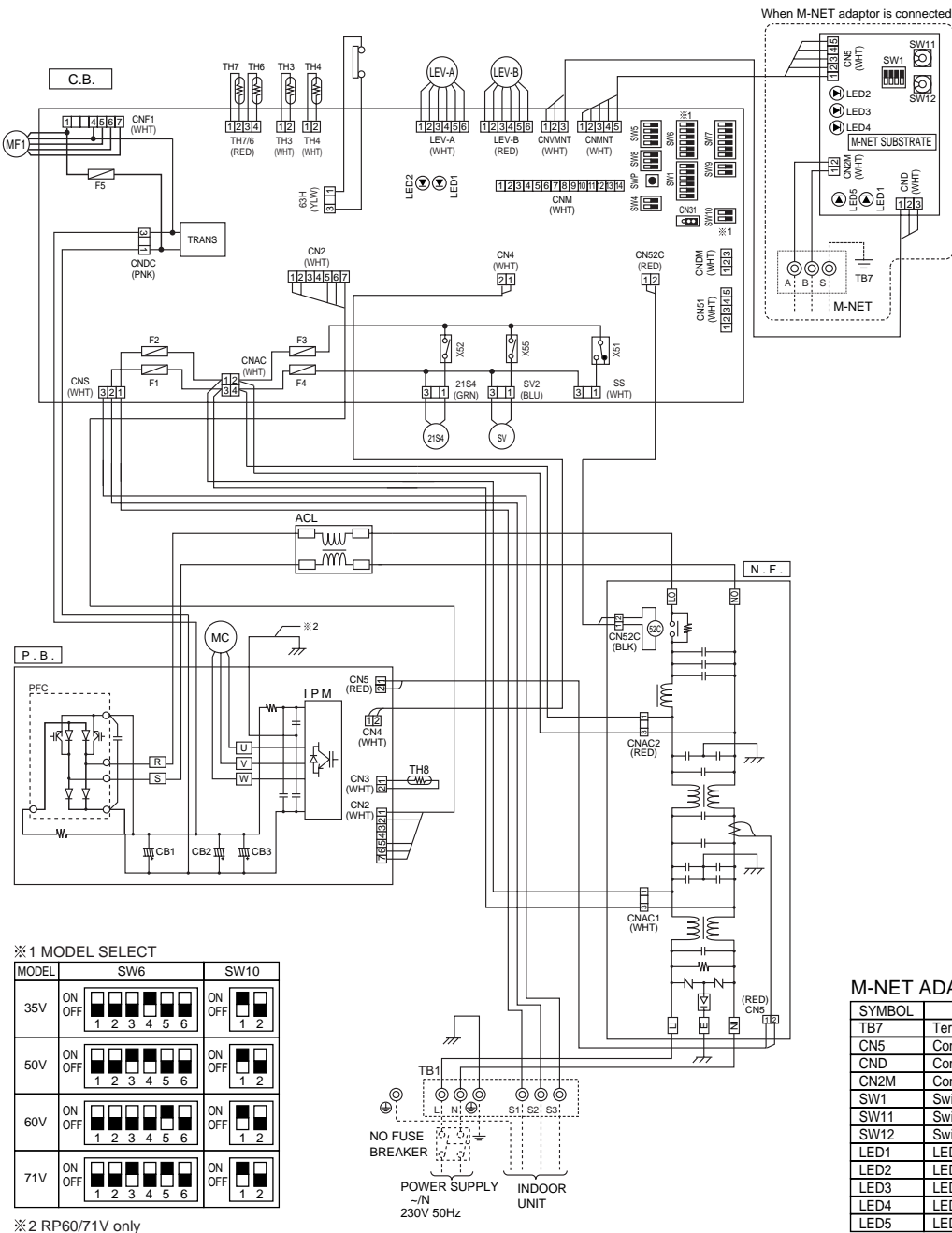
MODELS	Service board												
PSA-RP71GA	<table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>ON</td> </tr> <tr> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>OFF</td> </tr> </table>	1	2	3	4	5	ON	■	■	■	■	■	OFF
1	2	3	4	5	ON								
■	■	■	■	■	OFF								
PSH-P71GAH	<table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>ON</td> </tr> <tr> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>OFF</td> </tr> </table>	1	2	3	4	5	ON	■	■	■	■	■	OFF
1	2	3	4	5	ON								
■	■	■	■	■	OFF								
PSA-RP100GA	<table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>ON</td> </tr> <tr> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>OFF</td> </tr> </table>	1	2	3	4	5	ON	■	■	■	■	■	OFF
1	2	3	4	5	ON								
■	■	■	■	■	OFF								
PSH-P100GAH	<table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>ON</td> </tr> <tr> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>OFF</td> </tr> </table>	1	2	3	4	5	ON	■	■	■	■	■	OFF
1	2	3	4	5	ON								
■	■	■	■	■	OFF								
PSA-RP125GA	<table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>ON</td> </tr> <tr> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>OFF</td> </tr> </table>	1	2	3	4	5	ON	■	■	■	■	■	OFF
1	2	3	4	5	ON								
■	■	■	■	■	OFF								
PSH-P125GAH	<table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>ON</td> </tr> <tr> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>OFF</td> </tr> </table>	1	2	3	4	5	ON	■	■	■	■	■	OFF
1	2	3	4	5	ON								
■	■	■	■	■	OFF								
PSA-RP140GA	<table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>ON</td> </tr> <tr> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>OFF</td> </tr> </table>	1	2	3	4	5	ON	■	■	■	■	■	OFF
1	2	3	4	5	ON								
■	■	■	■	■	OFF								
PSH-P140GAH	<table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>ON</td> </tr> <tr> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>■</td> <td>OFF</td> </tr> </table>	1	2	3	4	5	ON	■	■	■	■	■	OFF
1	2	3	4	5	ON								
■	■	■	■	■	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-RP35VHA PUHZ-RP50VHA PUHZ-RP60VHA PUHZ-RP71VHA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block (Power Supply, Indoor/Outdoor)	N.F.	Noise Filter Circuit Board	F1-4	Fuse (6.3 A)
MC	Motor for Compressor	L/L/O	Connection Terminal (L-Phase)	SWP	Switch (Pump Down)
MF1	Fan Motors	N/NO	Connection Terminal (N-Phase)	CN31	Connector (Emergency Operation)
21S4	Solenoid Valve (Four-Way Valve)	E	Connection Terminal (Ground)	CNAC	Connector
63H	High Pressure Switch	CNAC1/2	Connector	CNDC	Connector
SV	Solenoid Valve (Bypass Valve)	CN5	Connector	CNS	Connector
TH3	Thermistor (Outdoor Pipe)	CN52C	Connector	CNF1	Connector
TH4	Thermistor (Discharge)	52C	52C Relay	SS	Connector (Connection for Option)
TH6	Thermistor (Outdoor 2-Phase Pipe)	C.B.	Controller Circuit Board	SV2	Connector
TH7	Thermistor (Outdoor)	SW1	Switch (Forced Defrost, Defect History Record Reset, Refrigerant Address)	CNM	Connector (A-Control Service Inspection Kit)
TH8	Thermistor (Radiator Panel)	SW4	Switch (Test Operation)	CNMNT	Connector (Connected to Optional M-NET Adapter Board)
LEV(A),LEV(B)	Electronic Expansion Valve	SW5	Switch (Function Switch)	CNMNT	Connector (Connected to Optional M-NET Adapter Board)
ACL	Reactor	SW6	Switch (Model Select)	CNDM	Connector (Connected for Option (Contact Input))
P.B.	Power Circuit Board	SW7	Switch (Function Setup)	X51,X52,X55	Relay
R/S	Connection Terminal (L/N-Phase)	SW8	Switch		
U/V/W	Connection Terminal (U/V/W-Phase)	SW9	Switch		
CN2-5	Connector	SW10	Switch (Model Select)		
PFC	Converter	LED1,LED2	Light Emitting Diodes (Operation Inspection Indicators)		
IPM	Inverter				
CB1-CB3	Main Smoothing Capacitor				



※ 1 MODEL SELECT

MODEL	SW6	SW10
35V	ON OFF 1 2 3 4 5 6	ON OFF 1 2
50V	ON OFF 1 2 3 4 5 6	ON OFF 1 2
60V	ON OFF 1 2 3 4 5 6	ON OFF 1 2
71V	ON OFF 1 2 3 4 5 6	ON OFF 1 2

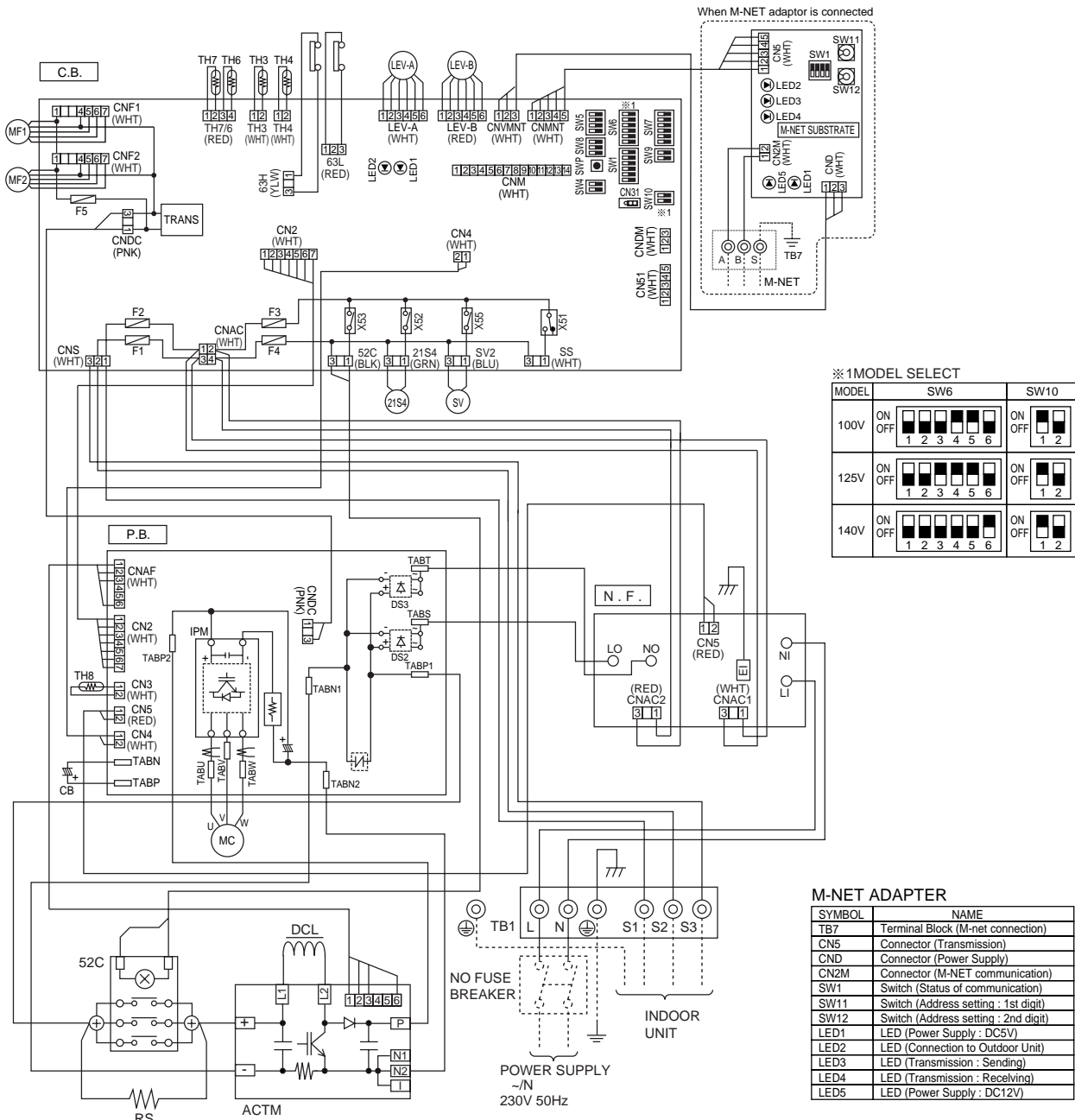
※ 2 RP60/71V only

M-NET ADAPTER

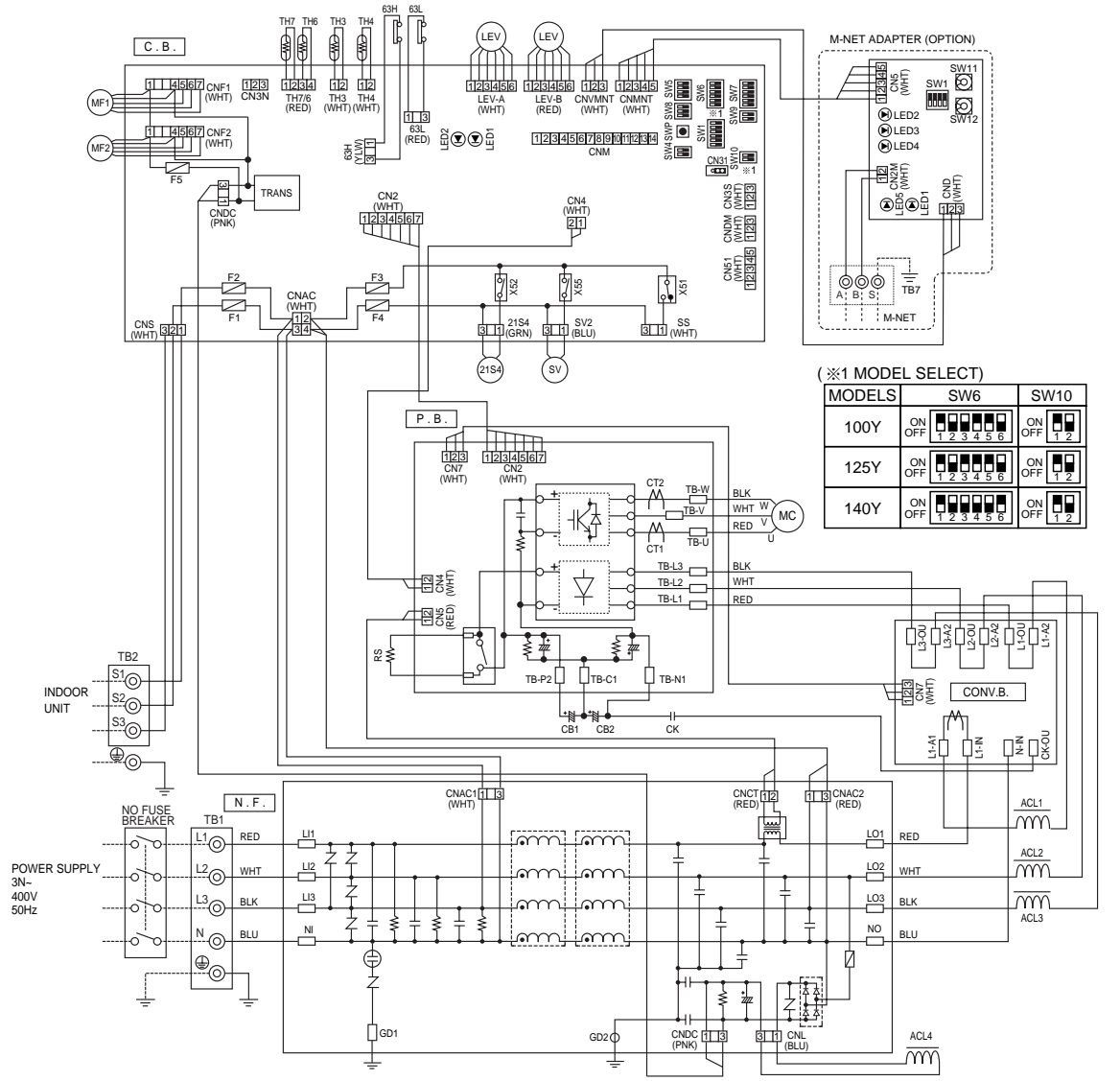
SYMBOL	NAME
TB7	Terminal Block (M-net connection)
CN5	Connector (Transmission)
CND	Connector (Power Supply)
CN2M	Connector (M-NET communication)
SW1	Switch (Status of communication)
SW11	Switch (Address setting : 1st digit)
SW12	Switch (Address setting : 2nd digit)
LED1	LED (Power Supply : DC5V)
LED2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

PUHZ-RP100VHA PUAZ-RP125VHA PUAZ-RP140VHA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block (Power Supply, Indoor/Outdoor)	TABP1/P2/P	Connection Terminal (DC Voltage)	SW8	Switch
MC	Motor for Compressor	TABN1/N2/N	Connection Terminal (DC Voltage)	SW9	Switch
MF1, MF2	Fan Motors	CN2-5	Connector	SW10	Switch (Model Select)
21S4	Solenoid Valve (Four-Way Valve)	CNDC	Connector	SWP	Switch (Pump Down)
SV	Solenoid Valve (Bypass Valve)	CNCF	Connector	CN31	Connector (Emergency Operation)
63H	High Pressure Switch	DS2,3	Diode Bridge	LED1, LED2	Light Emitting Diodes (Operation Inspection Indicators)
63L	Low Pressure Switch	IPM	Power Module	CN2	Connector
TH3	Thermistor (Outdoor Pipe)	N.F.	Noise Filter Circuit Board	CNAC	Connector
TH4	Thermistor (Discharge)	LI/LO	Connection Lead (L-Phase)	CNDC	Connector
TH6	Thermistor (Outdoor 2-Phase Pipe)	NI/NO	Connection Lead (N-Phase)	CNS	Connector
TH7	Thermistor (Outdoor)	EI	Connection Terminal (Ground)	CNF1	Connector
TH8	Thermistor (Heat Sink)	CNAC1/2	Connector	CNF2	Connector
LEV-A,B	Electronic Expansion Valve	CN5	Connector	52C	Connector
DCL	Reactor	C.B.	Controller Circuit Board	21S4	Connector
52C	52C Relay	F1-4	Fuse (6.3 A)	SS	Connector (Connection for Option)
RS	Rush Current Protect Resistor	SW1	Switch (Forced Defrost, Defect History Record Reset, Refrigerant Address)	SV2	Connector
ACTM	Active Filter Module	SW4	Switch (Test Operation)	CNM	Connector (A-Control Service Inspection Kit)
CB	Main Smoothing Capacitor	SW5	Switch (Function Switch)	CNMNT	Connector (Connected to Optional M-NET Adapter Board)
P.B.	Power Circuit Board	SW6	Switch (Model Select)	CNVMT	Connector (Connected to Optional M-NET Adapter Board)
TABU/V/W	Connection Terminal (U/V/W-Phase)	SW7	Switch (Function Setup)	CNDM	Connector (Connected for Option (Contact Input))
TABS/T	Connection Terminal (L/N-Phase)				



PUHZ-RP100YHA PUHZ-RP125YHA PUHZ-RP140YHA



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block (Power Supply)	N.F.	Noise Filter Circuit Board	SW10	Switch (Model Select)
TB2	Terminal Block (Indoor/Outdoor)	L1/L2/L3/N	Connection Terminal (L1/L2/L3/N-Power Supply)	SWP	Switch (Pump Down)
MC	Motor for Compressor	L1/L2/L3/N	Connection Terminal (L1/L2/L3/N-Power Supply)	CN31	Connector (Emergency Operation)
MF1, MF2	Fan Motor	CNAC1	Connector	CNAC	Connector
21S4	Solenoid Valve (Four-Way Valve)	CNAC2	Connector	CNS	Connector
SV	Solenoid Valve (Bypass Valve)	CNCT	Connector	CNDC	Connector
63H	High Pressure Switch	CNDC	Connector	21S4	Connector (Four-Way Valve)
63L	Low Pressure Switch	CNL	Connector	SV2	Connector (Bypass Valve)
TH3	Thermistor (Outdoor Pipe)	GD1	Connection Terminal (Ground)	SS	Connector (Connection for Option)
TH4	Thermistor (Discharge)	CONV.B	Converter Circuit Board	CN2	Connector
TH6	Thermistor (Outdoor 2-Phase Pipe)	L1-A1/N	Connection Terminal (L1-Power Supply)	CN4	Connector
TH7	Thermistor (Outdoor)	L1-A2/OU	Connection Terminal (L1-Power Supply)	LEV-A/LEV-B	Connector (LEV)
LEV	Linear Expansion Valve	L2-A2/OU	Connection Terminal (L2-Power Supply)	63H	Connector (High Pressure Switch)
ACL1-ACL4	Reactor	L3-A2/OU	Connection Terminal (L3-Power Supply)	63L	Connector (Low Pressure Switch)
CB1, CB2	Main Smoothing Capacitor	N-IN	Connector	TH3	Connector (Thermistor)
CK	Capacitor	CK-OU	Connector	TH4	Connector (Thermistor)
RS	Rush Current Protect Resistor	CN7	Connector	TH7/6	Connector (Thermistor)
P.B.	Power Circuit Board	C.B.	Controller Circuit Board	CNF1/CNF2	Connector (Fan Motor Operation)
TB-U/V/W	Connection Terminal (U/V/W-Phase)	F1, F2	FUSE (6.3 A)	LED1/LED2	LED (Operation Inspection Indicators)
TB-L1/L2/L3	Connection Terminal (L1/L2/L3-Power Supply)	F3, F4	FUSE (6.3 A)	CNM	Connector (A-Control Service Inspection Kit)
TB-P2	Connection Terminal	SW1	Switch (Forced Defrost, Defect History Record Reset, Refrigerant Address)	CNMNT	Connector (Connect to Optional M-NET Adapter Board)
TB-C1	Connection Terminal	SW4	Switch (Test Operation)	CNMNT	Connector (Connect to Optional M-NET Adapter Board)
TB-N1	Connection Terminal	SW5	Switch (Function Switch)	CN3S	Connector (Connection for Option)
CT1, CT2	Current Trans	SW6	Switch (Model Select)	CNDM	Connector (Connection for Option)
CN2	Connector	SW7	Switch (Function Switch)	CN51	Connector (Connection for Option)
CN4	Connector	SW8	Switch (Function Switch)		
CN5	Connector	SW9	Switch (Function Switch)		
CN7	Connector				

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)

PUHZ-RP200YHA PUAZ-RP250YHA

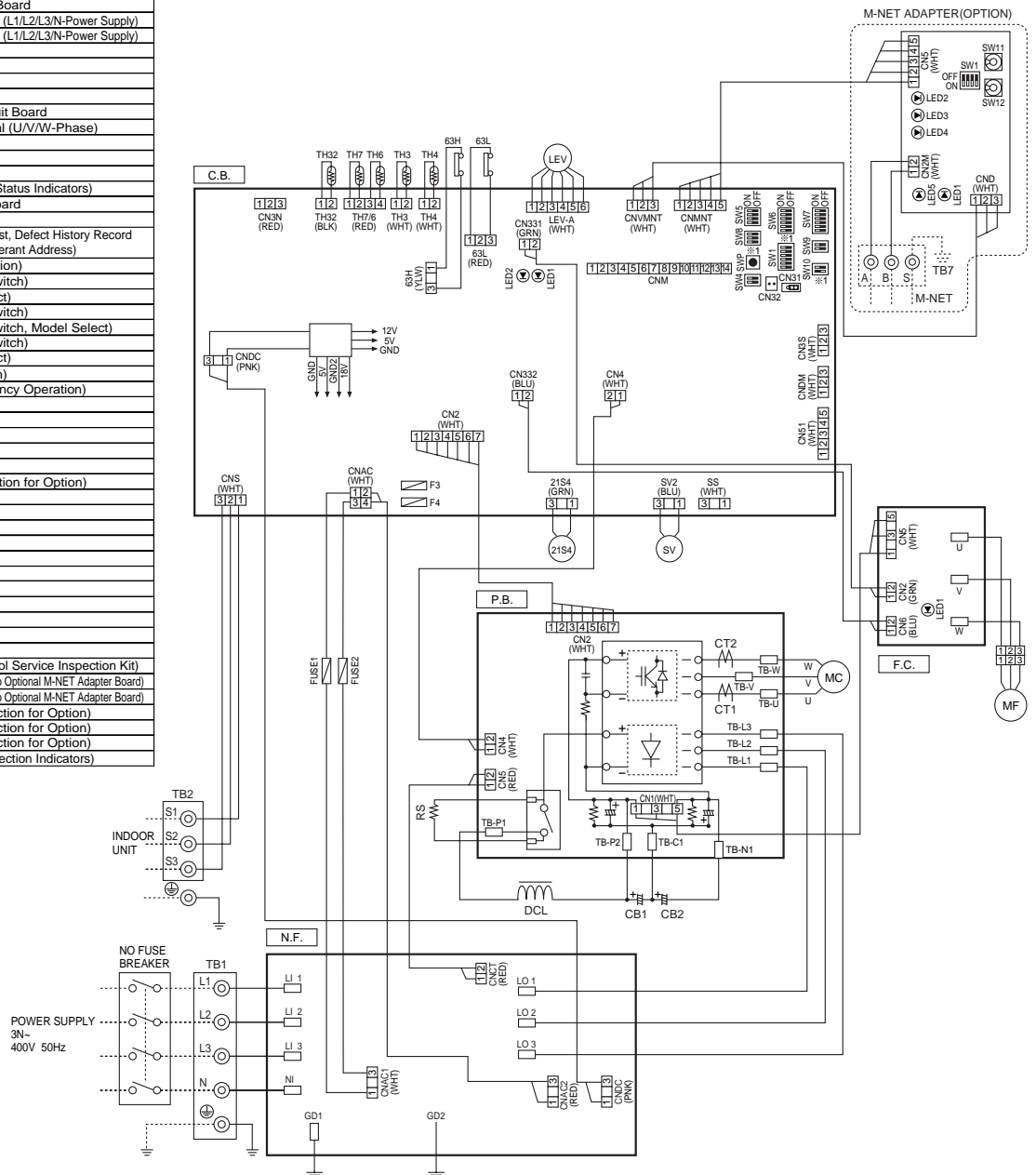
SYMBOL	NAME
TB1	Terminal Block (Power Supply)
TB2	Terminal Block (Indoor/Outdoor)
MC	Motor Compressor
MF	Fan Motor
21S4	Solenoid Valve (Four-Way Valve)
SV	Solenoid Valve (Bypass Valve)
63H	High Pressure Switch
63L	Low Pressure Switch
TH3	Thermistor (Outdoor Pipe)
TH32	Thermistor (Outdoor Pipe)
TH4	Thermistor (Discharge)
TH6	Thermistor (Outdoor 2-Phase Pipe)
TH7	Thermistor (Outdoor)
LEV	Linear Expansion Valve
DCL	Reactor
CB1, CB2	Main Smoothing Capacitor
RS	Rush Current Protect Resistor
FUSE1, FUSE2	FUSE (15 A)
P.B.	Power Circuit Board
TB-U/V/W	Connection Terminal (U/V/W-Phase)
TB-L1/L2/L3	Connection Terminal (L1/L2/L3-Power Supply)
TB-P1	Connection Terminal
TB-P2	Connection Terminal
TB-C1	Connection Terminal
TB-N1	Connection Terminal
CT1, CT2	Current Trans
CN1	Connector
CN2	Connector
CN4	Connector
CN5	Connector
N.F.	Noise Filter Circuit Board
L1/L12/L13/N1	Connection Terminal (L1/L2/L3/N-Power Supply)
L01/L02/L03/N0	Connection Terminal (L1/L2/L3/N-Power Supply)
CNAC1	Connector
CNAC2	Connector
CNCT	Connector
CNDC	Connector
F.C.	Fan Controller Circuit Board
U/V/W	Connection Terminal (U/V/W-Phase)
CN2	Connector
CN5	Connector
CN6	Connector
LED1	LED (MF Operation Status Indicators)
C.B.	Controller Circuit Board
F3, F4	FUSE (6.3 A)
SW1	Switch (Forced Defrost, Defect History Record Reset, Refrigerant Address)
SW4	Switch (Test Operation)
SW5	Switch (Function Switch)
SW6	Switch (Model Select)
SW7	Switch (Function Switch)
SW8	Switch (Function Switch, Model Select)
SW9	Switch (Function Switch)
SW10	Switch (Model Select)
SWP	Switch (Pump Down)
CN31	Connector (Emergency Operation)
CNAC	Connector
CNS	Connector
CNDC	Connector
21S4	Connector
SV2	Connector (Connection for Option)
CN2	Connector
CN4	Connector
CN331	Connector
CN332	Connector
LEV-A	Connector
63H	Connector
63L	Connector
TH3	Connector
TH4	Connector
TH7/6	Connector
TH32	Connector
CNM	Connector (A-Control Service Inspection Kit)
CNMNT	Connector (Connect to Optional M-NET Adapter Board)
CNMNT	Connector (Connect to Optional M-NET Adapter Board)
CN3S	Connector (Connection for Option)
CNDM	Connector (Connection for Option)
CNS1	Connector (Connection for Option)
LED1, LED2	LED (Operation Inspection Indicators)

※1 MODEL SELECT

MODEL	SW6	SW8	SW10
RP200Y	ON OFF [1][2][3][4][5][6]	ON OFF [1][2][3]	ON OFF [1][2]
RP250Y	ON OFF [1][2][3][4][5][6]	ON OFF [1][2][3]	ON OFF [1][2]

M-NET ADAPTER

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



5

REFRIGERANT SYSTEM DIAGRAM

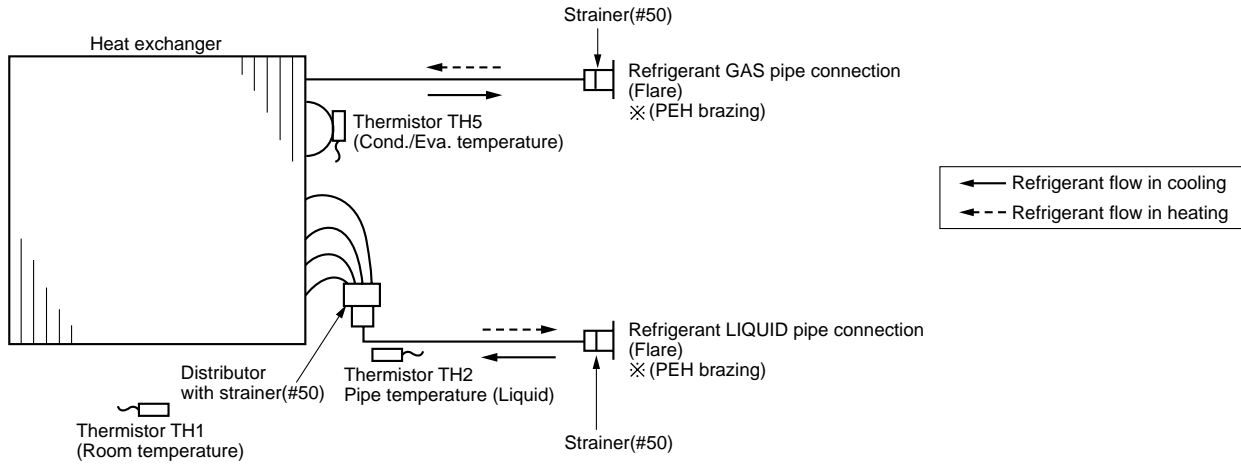
5-1. INDOOR UNIT

PLA-RP-AA
PKA-RP-GAL
PEAD-RP-EA

PCA-RP-GA
PKA-RP-FAL
PEAD-RP-GA

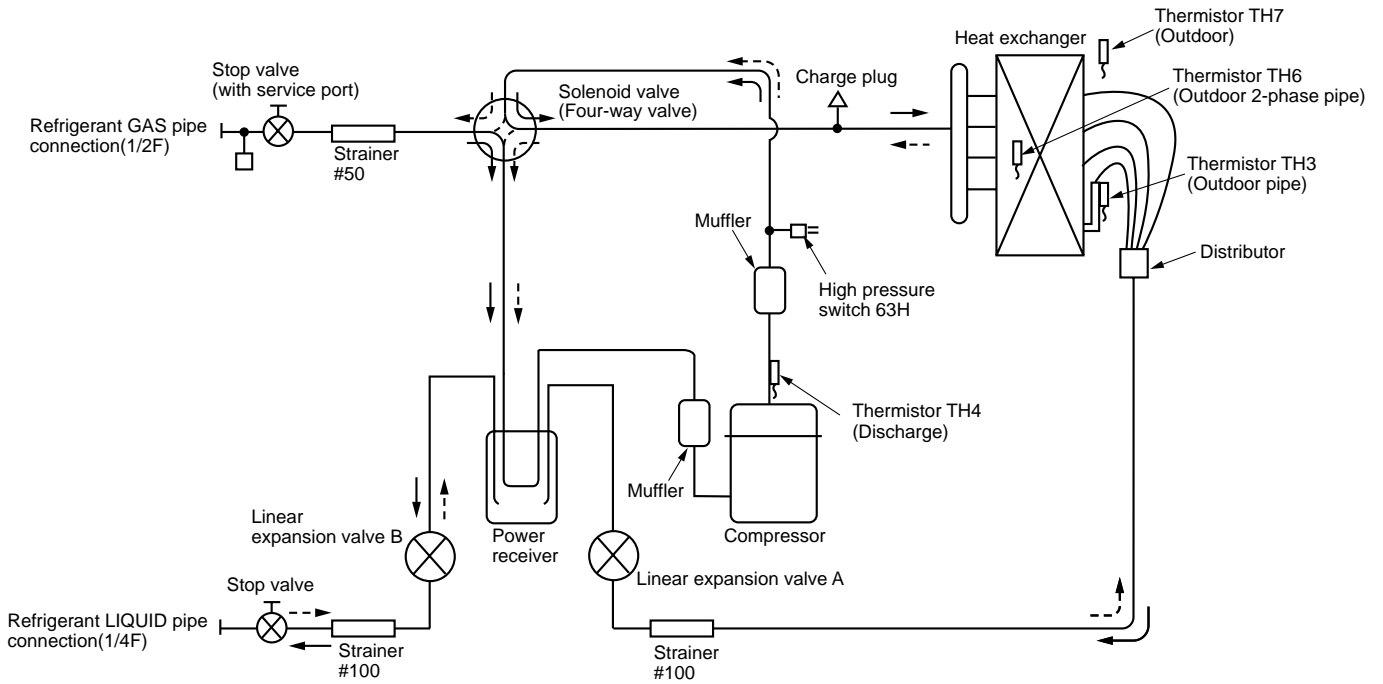
PCA-RP-HA
PSA-RP-GA
PEA-RP-EA

PEH-RP-MYA

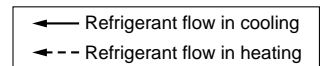
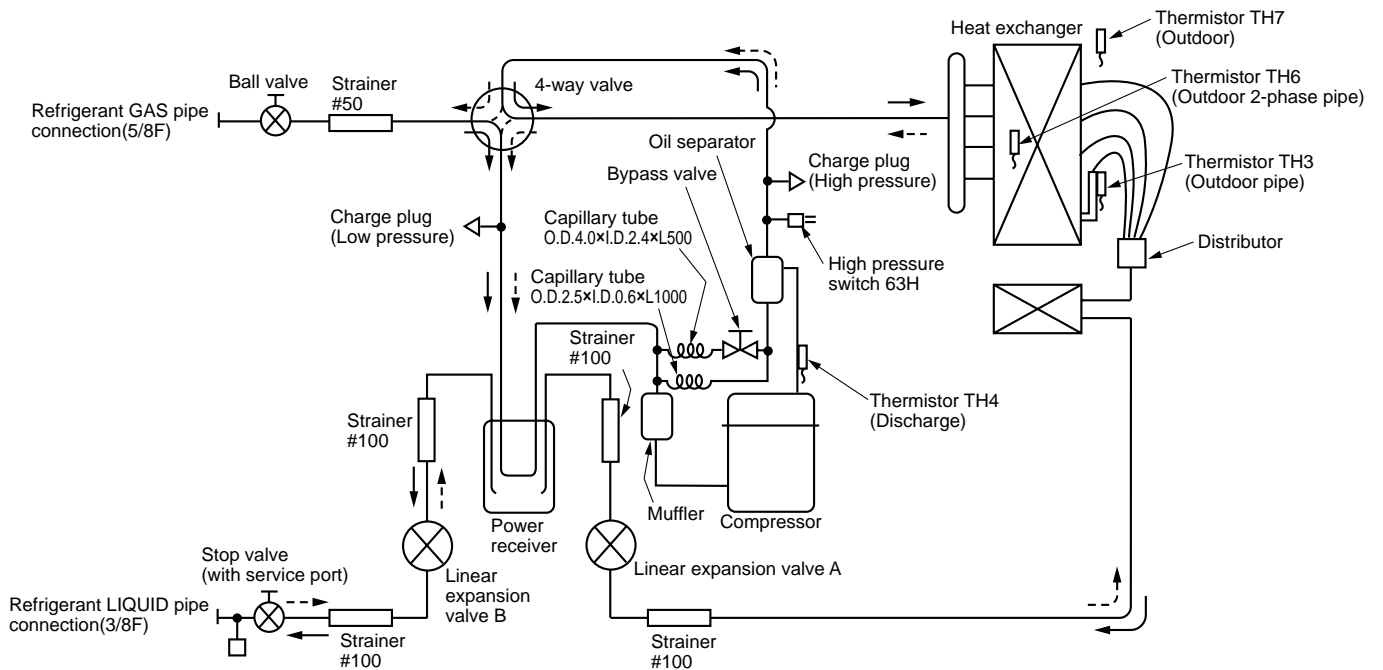


5-2. OUTDOOR UNIT

PUHZ-RP35VHA PUHZ-RP50VHA

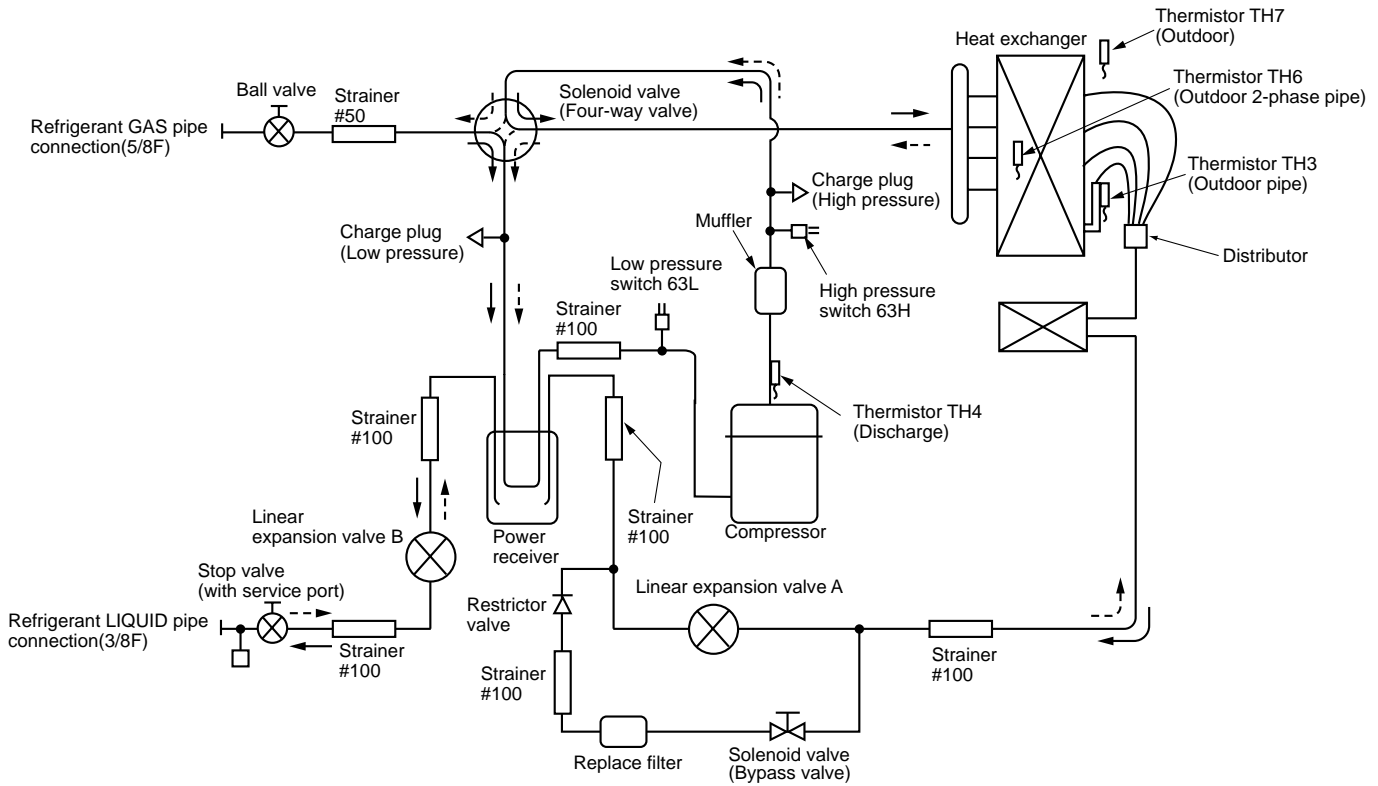


PUHZ-RP60VHA PUHZ-RP71VHA

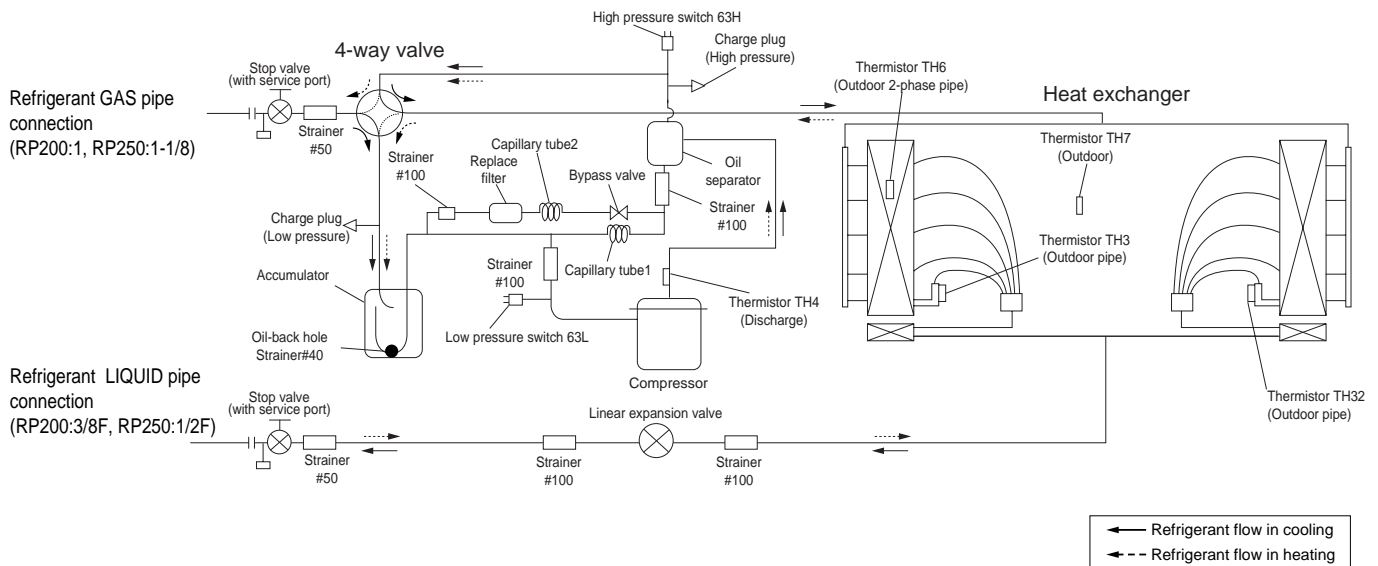


PUHZ-RP100VHA
PUHZ-RP125VHA
PUHZ-RP140VHA

PUHZ-RP100YHA
PUHZ-RP125YHA
PUHZ-RP140YHA



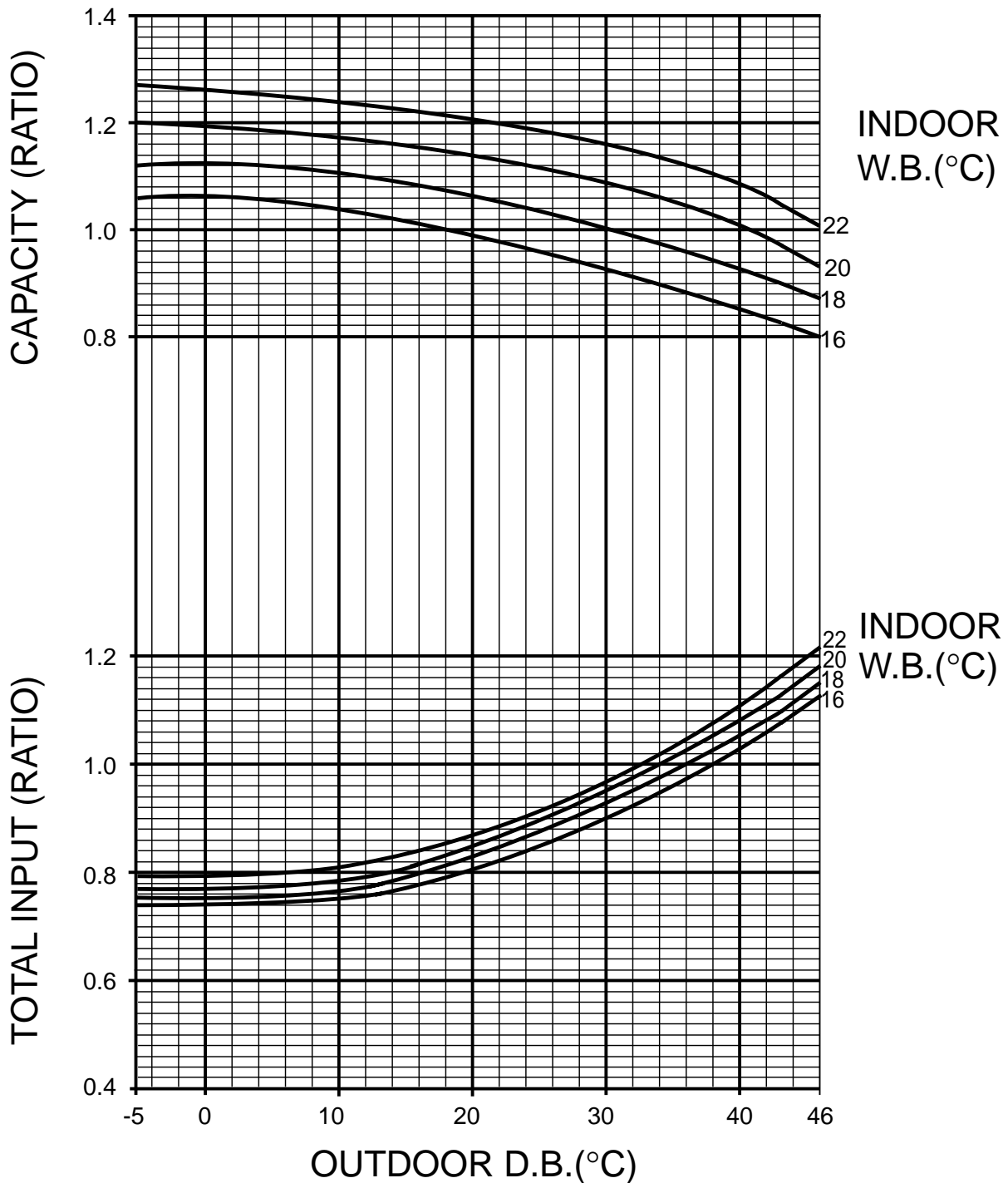
PUHZ-RP200YHA
PUHZ-RP250YHA



← Refrigerant flow in cooling
 - - - Refrigerant flow in heating

6-1. FOR THE COMBINATION OF OUTDOOR UNIT PUHZ-RP•VHA, PUHZ-RP100~140YHA

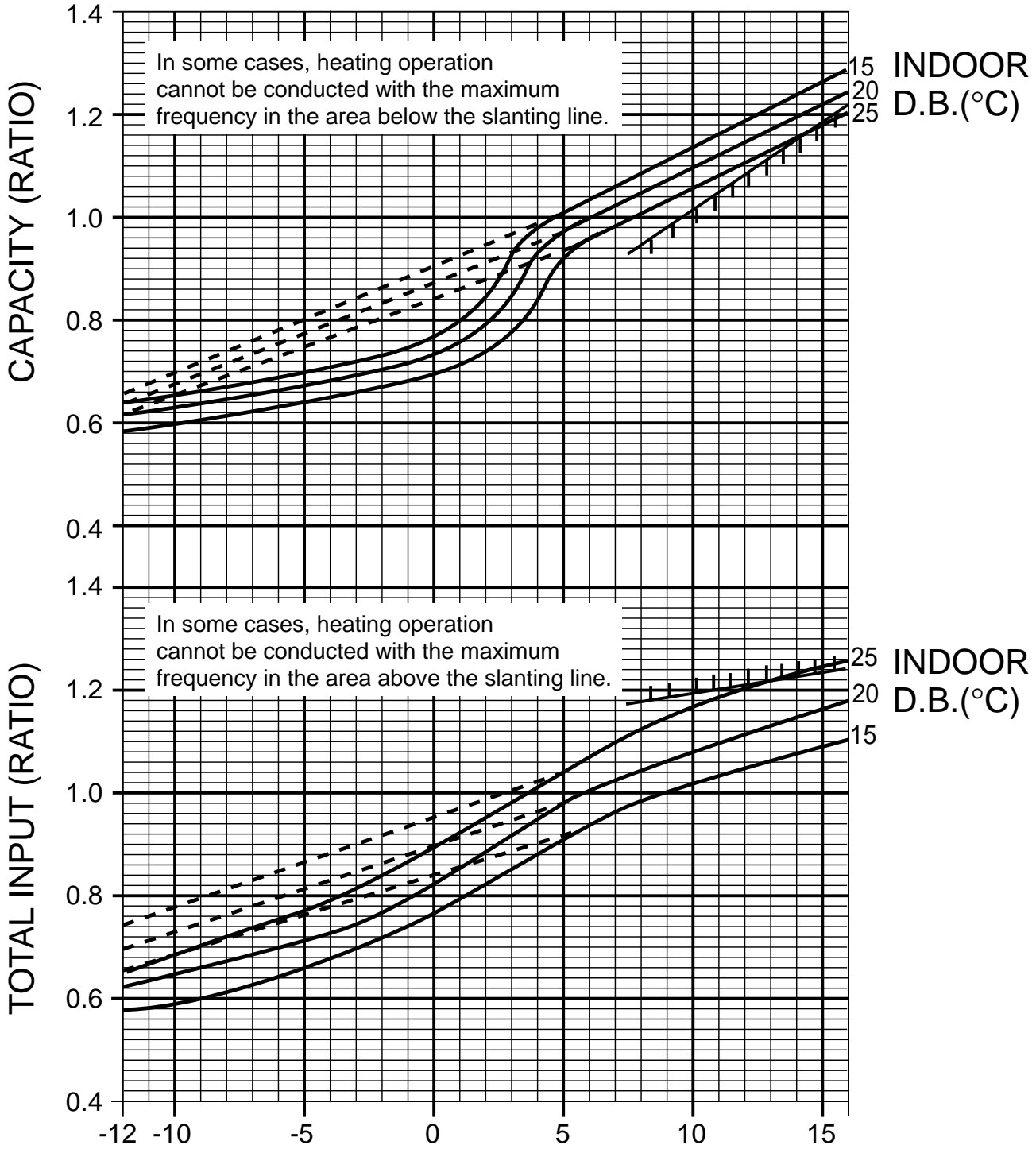
Cooling performance curve(50Hz)



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

Heating performance curve(50Hz)

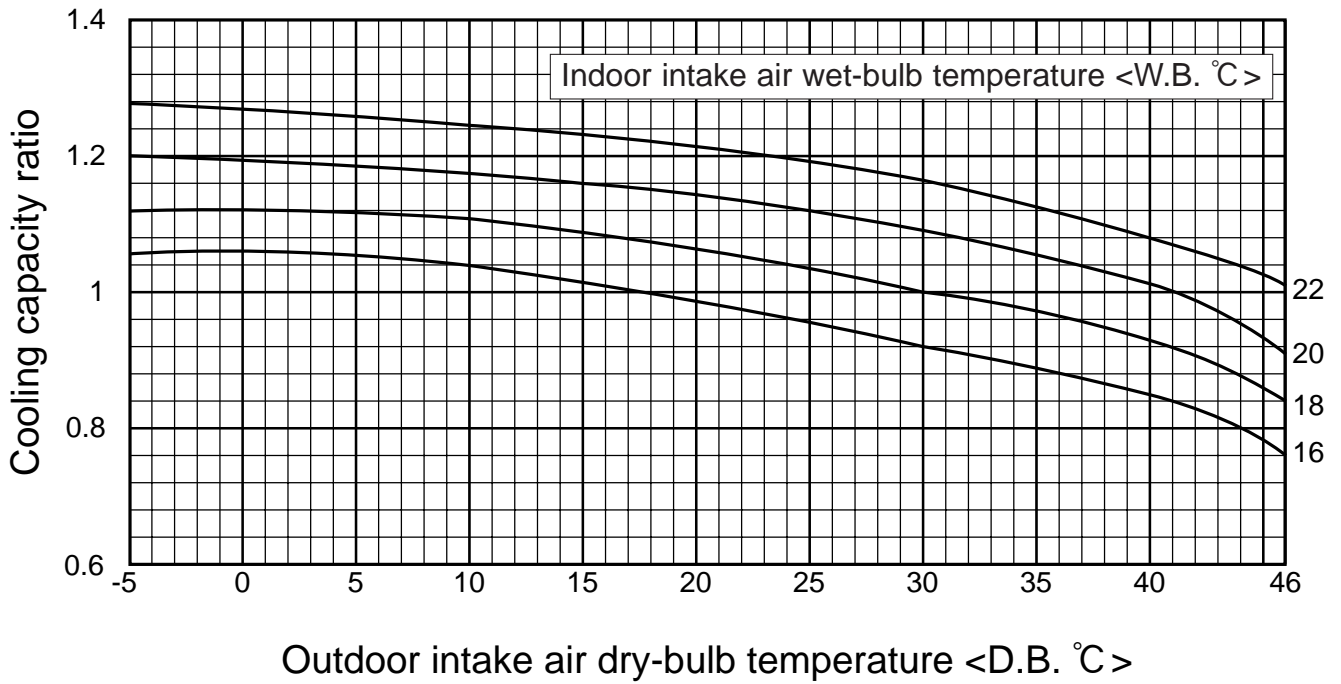
- Correcting the capacity line influenced by frosting
- - - - - Not correcting the capacity line influenced by frosting



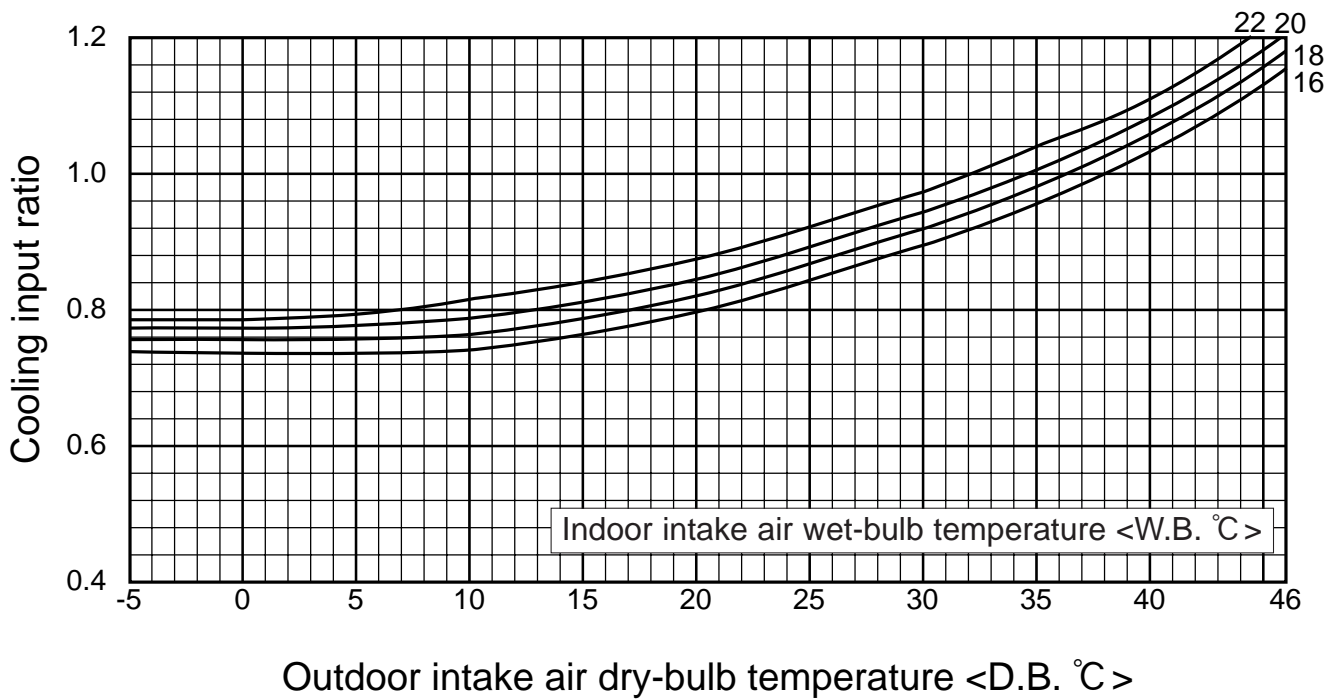
Note : This diagrams show the case where the operation frequency of a compressor is fixed.

6-2. FOR THE COMBINATION OF OUTDOOR UNIT PUHZ-RP200 / 250YHA

Cooling capacity

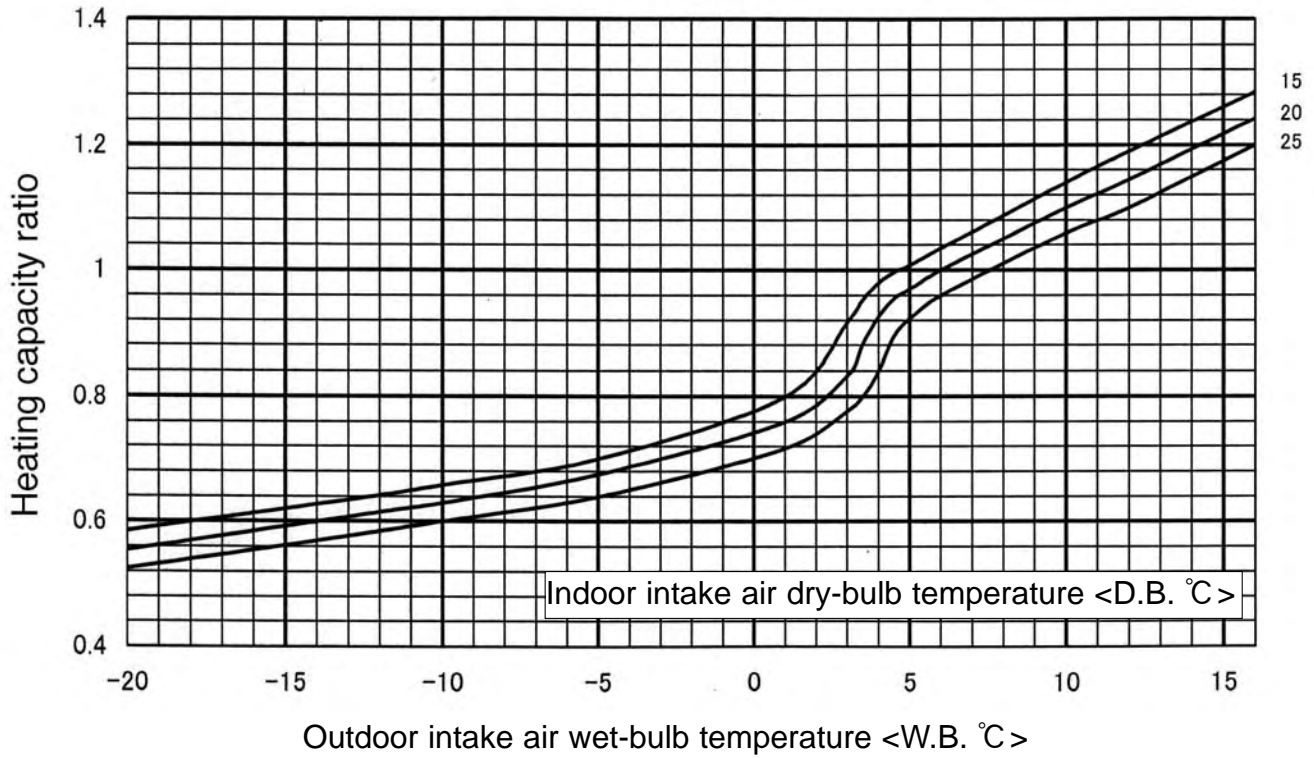


Cooling input

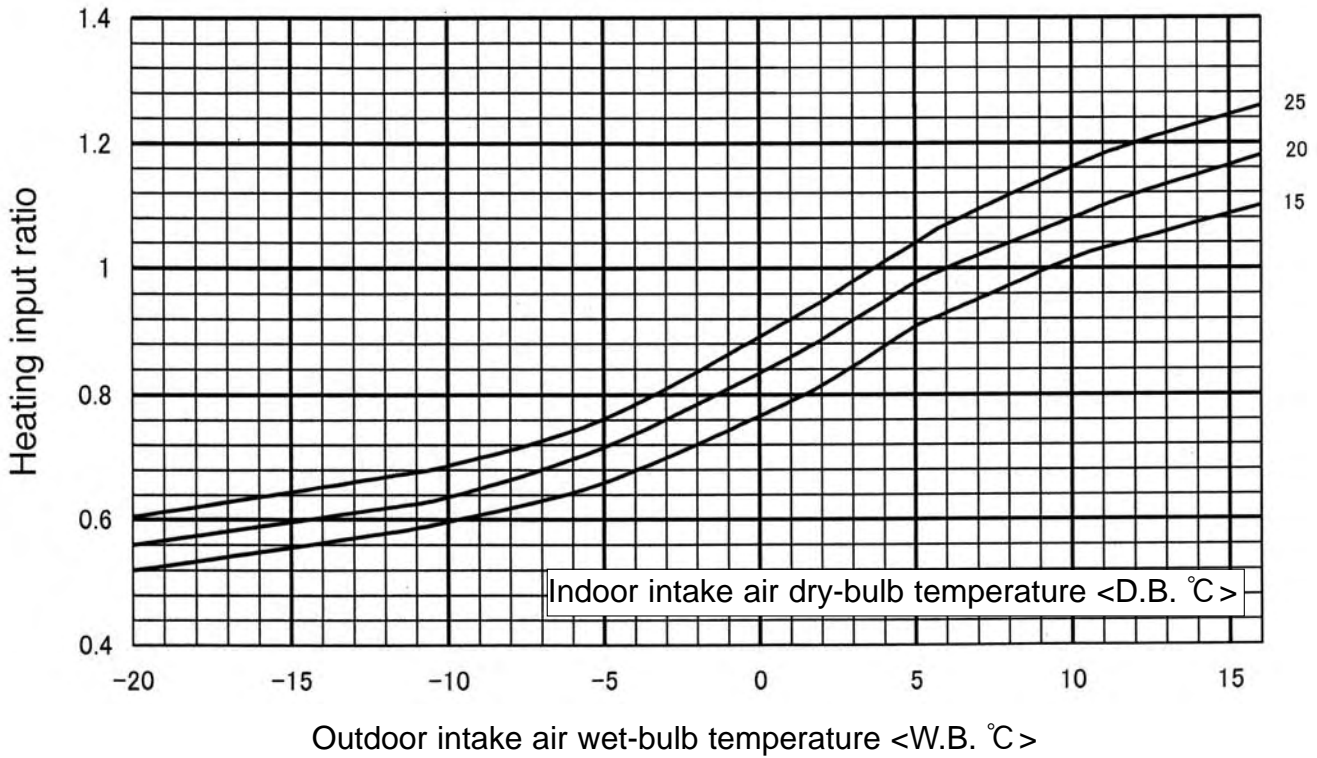


Note : This diagrams show the case where the operation frequency of a compressor is fixed.

Heating capacity



Heating input



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

7-1. PUHZ-RP-VHA, PUHZ-RP100~140YHA

Cooling capacity correction factors

Outdoor unit	Refrigerant piping length (one way)									
	5m	10m	20m	30m	40m	50m	55m	60m	70m	80m
PUHZ-RP35VHA	1.00	0.992	0.976	0.962	0.949	0.936	0.930	—	—	—
PUHZ-RP50VHA	1.00	0.985	0.957	0.931	0.908	0.886	0.876	—	—	—
PUHZ-RP60VHA	1.00	0.992	0.976	0.962	0.949	0.936	0.930	—	—	—
PUHZ-RP71VHA	1.00	0.988	0.966	0.946	0.929	0.913	0.905	—	—	—
PUHZ-RP100VHA PUHZ-RP100YHA	1.00	0.985	0.957	0.931	0.908	0.886	0.876	0.865	0.846	0.829
PUHZ-RP125VHA PUHZ-RP125YHA	1.00	0.981	0.946	0.914	0.885	0.858	0.845	0.834	0.812	0.792
PUHZ-RP140VHA PUHZ-RP140YHA	1.00	0.976	0.931	0.893	0.858	0.827	0.813	0.800	0.775	0.753

Heating capacity correction factors

Outdoor unit	Refrigerant piping length (one way)									
	5m	10m	20m	30m	40m	50m	55m	60m	70m	80m
PUHZ-RP35VHA	1.00	0.997	0.991	0.985	0.979	0.973	0.970	—	—	—
PUHZ-RP50VHA	1.00	0.997	0.991	0.985	0.979	0.973	0.970	—	—	—
PUHZ-RP60VHA	1.00	0.997	0.991	0.985	0.979	0.973	0.970	—	—	—
PUHZ-RP71VHA	1.00	0.997	0.991	0.985	0.979	0.973	0.970	—	—	—
PUHZ-RP100VHA PUHZ-RP100YHA	1.00	0.997	0.991	0.985	0.979	0.973	0.970	0.967	0.961	0.955
PUHZ-RP125VHA PUHZ-RP125YHA	1.00	0.997	0.991	0.985	0.979	0.973	0.970	0.967	0.961	0.955
PUHZ-RP140VHA PUHZ-RP140YHA	1.00	0.997	0.991	0.985	0.979	0.973	0.970	0.967	0.961	0.955

7-2. PUHZ-RP200-250YHA

Cooling capacity correction factors

Outdoor unit	Refrigerant piping length (one way)							
	5m	10m	15m	20m	25m	30m	35m	40m
PUHZ-RP200/250YHA	1.00	0.985	0.971	0.958	0.943	0.931	0.919	0.908

Outdoor unit	Refrigerant piping length (one way)							
	45m	50m	55m	60m	65m	70m	75m	80m
PUHZ-RP200/250YHA	0.898	0.887	0.876	0.865	0.855	0.847	0.838	0.829

Outdoor unit	Refrigerant piping length (one way)								
	85m	90m	95m	100m	105m	110m	115m	120m	125m
PUHZ-RP200/250YHA	0.823	0.815	0.808	0.800	0.797	0.790	0.785	0.780	0.778

Heating capacity correction factors

Outdoor unit	Refrigerant piping length (one way)							
	5m	10m	15m	20m	25m	30m	35m	40m
PUHZ-RP200/250YHA	1.00	0.997	0.994	0.991	0.988	0.985	0.982	0.979

Outdoor unit	Refrigerant piping length (one way)							
	45m	50m	55m	60m	65m	70m	75m	80m
PUHZ-RP200/250YHA	0.976	0.973	0.970	0.967	0.964	0.961	0.958	0.955

Outdoor unit	Refrigerant piping length (one way)								
	85m	90m	95m	100m	105m	110m	115m	120m	125m
PUHZ-RP200/250YHA	0.952	0.949	0.946	0.943	0.940	0.937	0.934	0.931	0.928

8-1. PUAZ-RP-VHA, PUAZ-RP100~140YHA

The height difference between indoor and outdoor unit should be kept within 30 m for all models.

(1) 1:1 system

(a) Maximum pipe length

<Table 1> Pipe length for 1:1 system

Liquid pipe (mm)	OD	φ6.35			φ9.52			φ12.7	
	Thick-ness	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
	Thick-ness	t0.8	t0.8	t1.0	t0.8	t1.0	t1.0	t1.0	t1.0
RP35	□30m	⊙50m	○30m	△30m	△30m (*1)	×	×	×	×
RP50	□10m	⊙50m	○30m	△30m	△30m (*1)	×	×	×	×
RP60	×	□10m	○10m	□30m	⊙50m	×	△30m	×	×
RP71	×	□10m	○10m	□30m	⊙50m	×	△30m	×	×
RP100	×	×	×	×	⊙75m (*2)	○50m (*1)	△50m	△50m (*1)	△50m (*1)
RP125	×	×	×	×	⊙75m (*2)	○50m (*1)	△50m	△50m (*1)	△50m (*1)
RP140	×	×	×	×	⊙75m (*2)	○50m (*1)	△50m	△50m (*1)	△50m (*1)

*1: Set DIP SW8-1 on outdoor unit controller board to ON.

*2: The maximum length is 50 m in case of using existing pipes.

[Marks in the table above]

⊙ : Standard piping

△ : It can be used, however, additional refrigerant charge is required when the pipe length exceeds 20m. ➡ Refer to <table 4>.

×

○ : It can be used.

□ : It can be used, however, the capacity is lowered. ➡ Refer to (c) **Capacity correction**.

(b) Adjusting the amount of refrigerant

- Additional refrigerant charge is not necessary for the pipe length up to 30 m. When the pipe length exceeds 30 m or service (refrigerant replacement) is performed, charge proper amount of refrigerant for each pipe length referring to table below. Use refrigerant R410A. Use charge hose exclusive for R410A.
- When charging additional refrigerant, charge the refrigerant from low-pressure side of the port valve using a safety charger.
- Make sure that air purge for this unit at refrigerant replacement is performed from both high-pressure check valve and service port. If air purge is performed only from one of them, air in not purged enough.
- When replacing refrigerant, charge the refrigerant from service port. When charged refrigerant is less than specified amount, charge the refrigerant again from low pressure side of the port valve using a safety charger.
- Tighten the service port cap (nut) of stop valve firmly. The tightening torque is 12 to 16 N·m. (to prevent slow-leak)
- Check additional refrigerant charging amount referring to table 4 when liquid pipe is one size larger than standard diameter, and table 2 when the pipe is standard diameter.

<Table 2> Additional refrigerant charging amount for pipe of standard diameter

Outdoor unit	Permitted pipe length	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)				Number of bends	Height difference
		31 — 40m	41 — 50m	51 — 60m	61 — 75m		
PUHZ-RP35, 50VHA	50m or less	0.2kg	0.4kg	—	—	15	30m or above
PUHZ-RP60, 71VHA	50m or less	0.6Kg	1.2Kg	—	—		
PUHZ-RP100-140VHA, RP100-140YHA	75m or less	0.6kg	1.2kg	1.8kg	2.4kg		

<Table 3>

Outdoor unit	Permitted pipe length	Recharge refrigerant amount or additional amount in parentheses						
		10m or below	11 — 20m	21 — 30m	31 — 40m	41 — 50m	51 — 60m	61 — 75m
PUHZ-RP35, 50VHA	50m or less	2.1	2.3	2.5	2.7 (0.2)	2.9 (0.4)	—	—
PUHZ-RP60, 71VHA	50m or less	3.1	3.3	3.5	4.1 (0.6)	4.7 (1.2)	—	—
PUHZ-RP100-140VHA PUHZ-RP100-140YHA	75m or less	4.6	4.8	5.0	5.6 (0.6)	6.2 (1.2)	6.8 (1.8)	7.4 (2.4)

<Table 4> Required additional charge when the pipe size is larger than the standard diameter

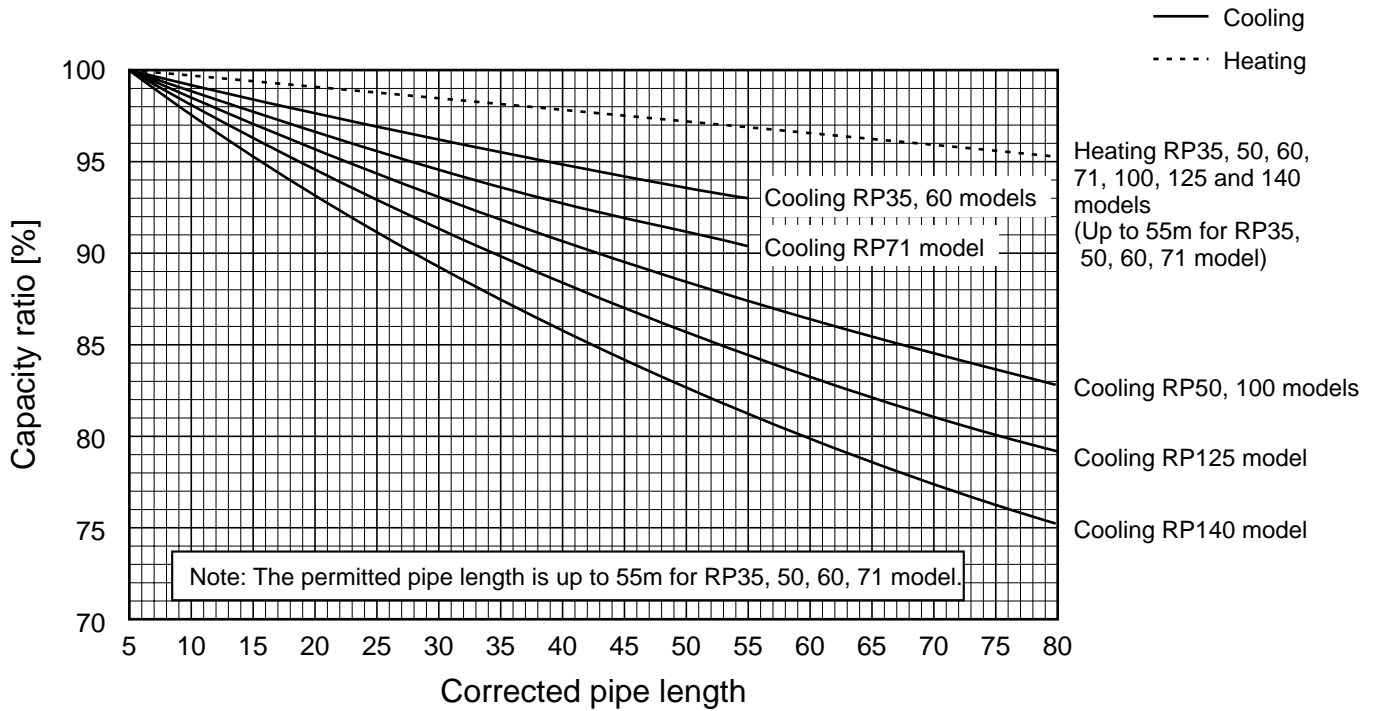
	Liquid pipe dia	Chargeless	Max. pipe length	Refrigerant amount to be added
RP35, 50	φ9.52	20m	30m	60 g per 1 m longer than 20 m
RP60, 71	φ12.7	20m	30m	100 g per 1 m longer than 20 m
RP100-140	φ12.7	20m	50m	100 g per 1 m longer than 20 m

(c) Capacity correction

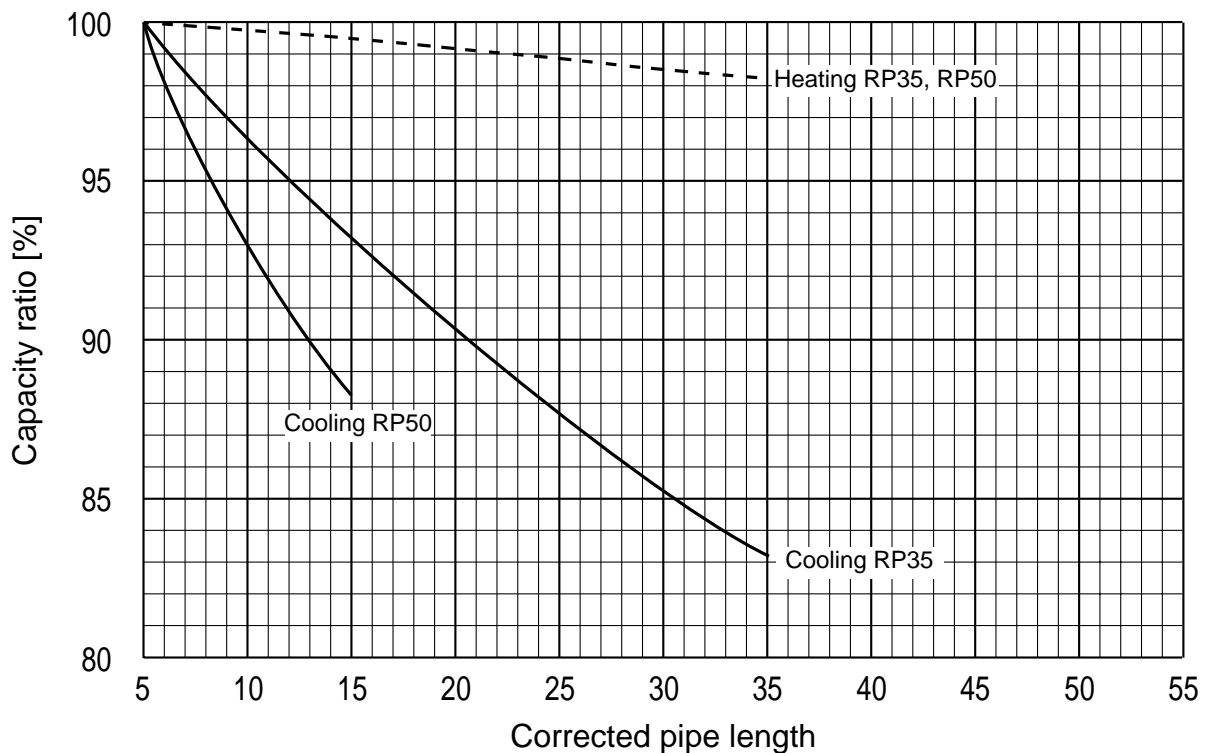
Cooling and heating capacity is lowered according to pipe length. Capacity can be obtained by referring to the capacity curves below. When the diameter of gas pipe is one size smaller than standard diameter, cooling capacity is lowered comparing to the standard diameter. The lowered capacity can be obtained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

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

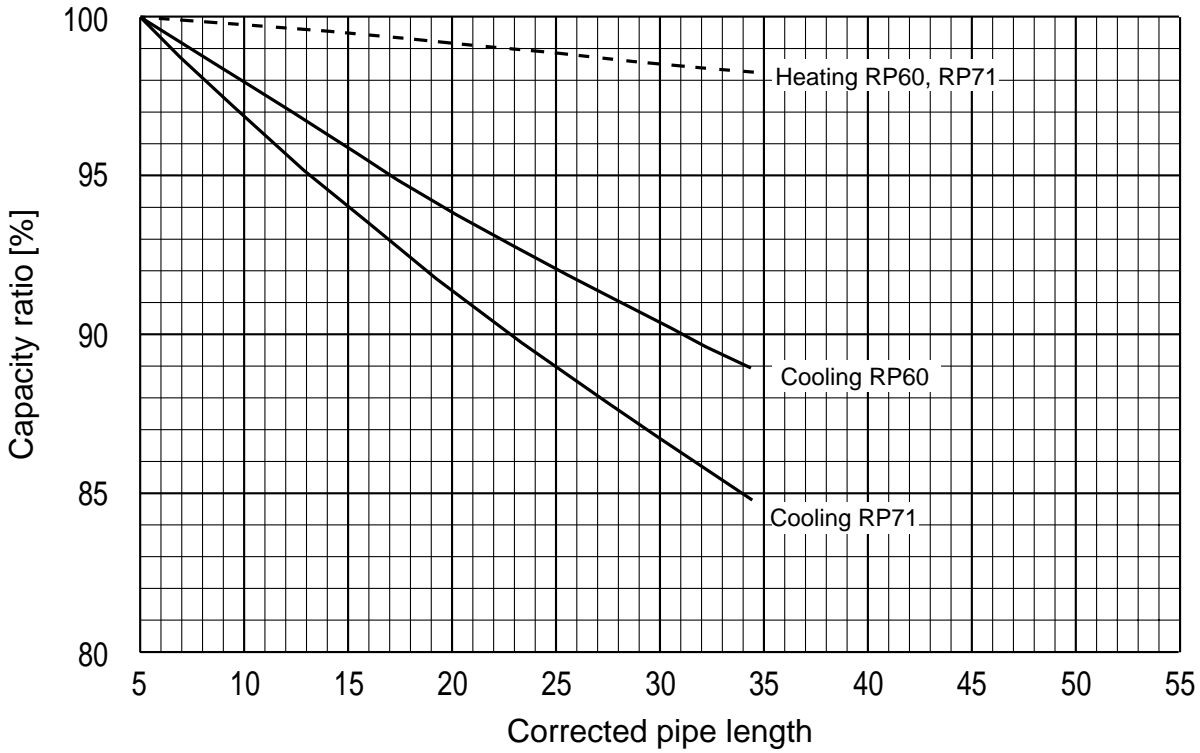
① Capacity curves for PUHZ-RP • HA model <Standard size>



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



③ Capacity curve for PUHZ-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 PUHZ-RP100, 125 and 140.

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

8-2. PUHZ-RP200-250YHA

8-2-1. 1:1 SYSTEM

(1) Pipe length

<Table 1> Maximum pipe length (RP200-RP250)

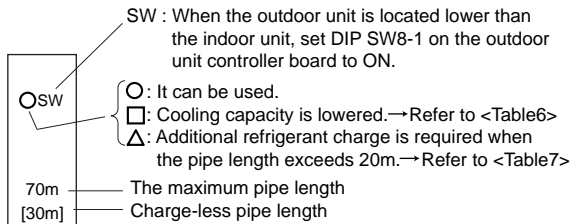
Liquid pipe (mm)	OD	φ9.52				φ12.7				φ15.88			
	Thick-ness	t0.8				t0.8				t1.0			
gas pipe (mm)	OD	φ19.05	φ22.2	φ25.4	φ28.58	φ19.05	φ22.2	φ25.4	φ28.58	φ22.2	φ25.4	φ28.58	φ31.75
	Thick-ness	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0
RP200	□	20m	50m	Normal piping	○ ^{SW}	□	□	○	○ ^{SW}	△	△	△ ^{SW}	*2 △ ^{SW}
	[20m]	[30m]	[30m]	70m*1	[30m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]
RP250	□	20m	50m	○	○	□	□	○	Normal piping	△	△	△	△*2
	[20m]	[30m]	[30m]	[30m]	[30m]	[20m]	[30m]	[30m]	70m*1	[20m]	[20m]	[20m]	[20m]

Note : The maximum pipe length is 80m in case of new piping.

*1 Be sure to use hard (tempered) one for pipe over φ22.2. (Do not use soft (annealed) one.)

*2 When using φ31.75 pipe, the outdoor temperature range (dry-bulb temperature) for heating operation is -11 to +21°C.

<Marks in the table above>



(2) Adjusting the amount of refrigerant

Check additional refrigerant charging amount referring to table 7 when the liquid pipe diameter is larger than the standard size, and table 2 when the pipe of the standard diameter is used.

<Table 2>

Outdoor unit	permitted pipe length	At time of shipping (kg)	Amount of additional refrigerant charge (kg)					
			30 m and less	31-40 m and less	41-50 m and less	51-60 m and less	61-70 m and less	71-120 m and less
RP200	120m or less	10.5	No additional charge necessary	0.9 kg	1.8 kg	2.7 kg	3.6 kg	The additional charge amount is obtained by the following formula.
RP250		10.5		1.2 kg	2.4 kg	3.6 kg	4.8 kg	

Calculate the additional charge amount based on the following procedure.

If the calculation results in an amount that is smaller than the "Additional charge amount for 70m," perform the additional charge using the amount shown in "Additional charge amount for 70m."

$$\begin{aligned}
 \text{Amount of additional charge [kg]} &= \text{Main piping: Liquid line size } \phi 12.7 \text{ over all length [m]} \times 0.12 \text{ [kg/m]} \\
 &+ \text{Main piping: Liquid line size } \phi 9.52 \text{ overall length [m]} \times 0.09 \text{ [kg/m]} \\
 &+ \text{Branch piping: Liquid line size } \phi 9.52 \text{ overall length [m]} \times 0.06 \text{ [kg/m]} \\
 &+ \text{Branch piping: Liquid line size } \phi 6.35 \text{ overall length [m]} \times 0.02 \text{ [kg/m]} \\
 &- 3.6 \text{ (kg)}
 \end{aligned}$$

Additional charge amount for 70 m	RP200	3.6 kg
	RP250	4.8 kg

•If the wiring connecting the indoor and outdoor units is longer than 80m, use separate indoor / outdoor unit power supplies.

(3) Capacity correction

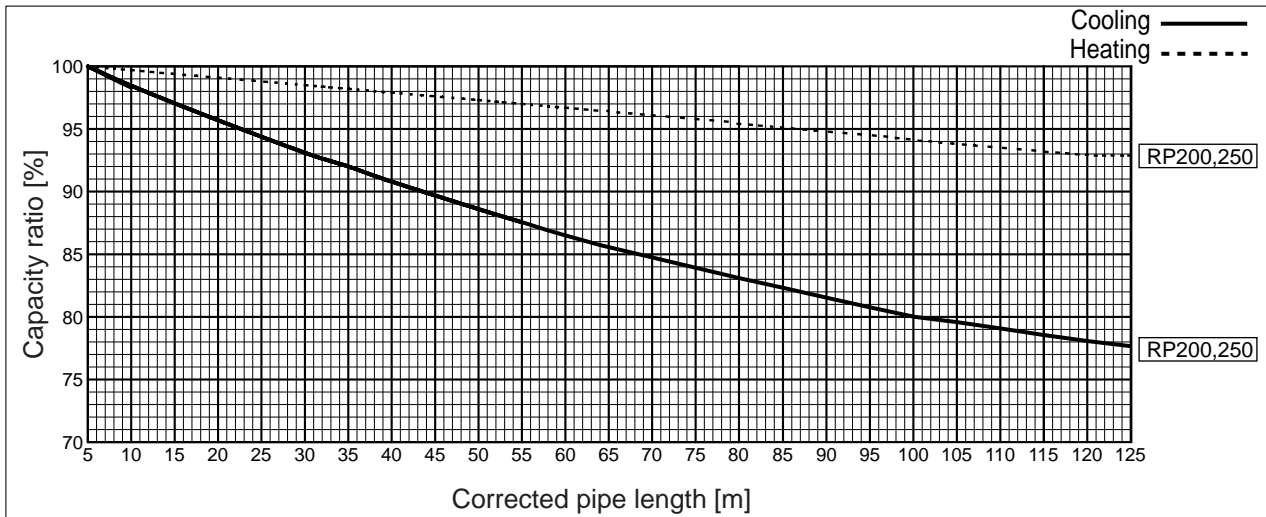
Cooling and heating capacity is lowered according to the piping length. Capacity can be obtained by referring to the following capacity curves.

When the diameter of the gas pipe is smaller than the standard size, cooling capacity is lowered comparing to the operation using the standard diameter pipe.

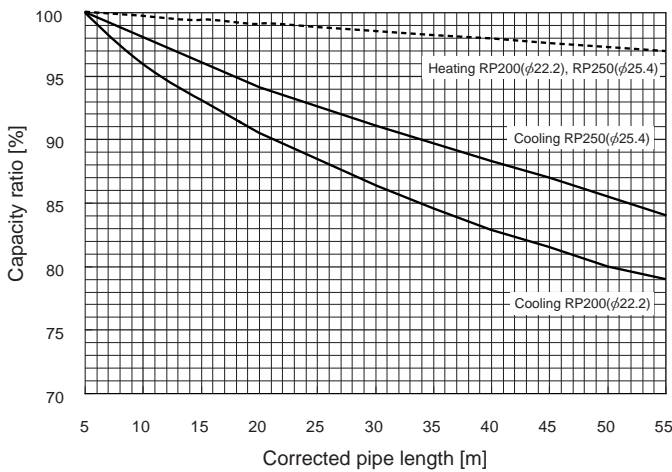
The lowered capacity can be obtained by referring to the capacity curves for gas pipe which is one or two size smaller than standard size.

Corrected pipe length (m) = actual pipe length (m) + number of bends \times 0.3 (m)

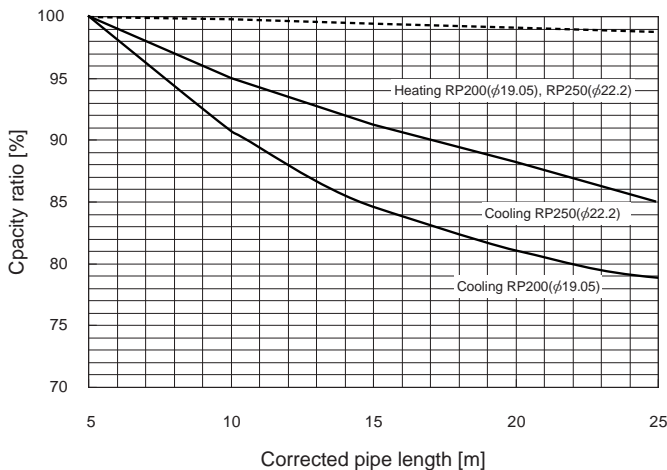
1. Capacity curves 1 <Standard size>



2. Capacity curves 2 <When the gas pipe's diameter is one-size-smaller than the standard size>



3. Capacity curves 3 <When the gas pipe's diameter is two-size-smaller than the standard size>



8-2-2. SYNCHRONIZED TWIN, TRIPLE AND QUADRUPLE SYSTEM

(1) Synchronized twin

Maximum pipe length (Main pipe[A]+Branch pipe diameter [B and C])

Main pipe (mm)[A]	RP200 twin (RP100×2)															RP250 twin (RP125×2)										
	Liquid pipe		φ9.52					φ12.7					φ15.88					φ9.52		φ12.7		φ15.88				
	Gas pipe		φ19.05	φ22.2	φ25.4	φ28.58	φ19.05	φ22.2	φ25.4	φ28.58	φ22.2	φ25.4	φ28.58	φ31.75	φ19.05	φ22.2	φ25.4	φ28.58	φ19.05	φ22.2	φ25.4	φ28.58	φ22.2	φ25.4	φ28.58	φ31.75
Branch pipe [mm] [B, C]	Liquid pipe	φ6.35	/																							
	Gas pipe	φ12.7	/																							
	Liquid pipe	φ9.52	□ 20m	□ 50m	Normal piping 70m※1 [30m]	○sw 70m	□ 20m	□ 50m	○ 70m	○sw 70m	△ 50m	△ 50m	△sw 50m	※2△sw 50m	□ 20m	□ 50m	○ 70m	○ 70m	□ 20m	□ 50m	○ 70m	Normal piping 70m※1 [30m]	△ 50m	△ 50m	△ 50m	※2△ 50m
	Gas pipe	φ15.88	[20m]	[30m]	[30m]	[30m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]
	Liquid pipe	φ9.52	□ 20m	□ 50m	○ 70m	○sw 70m	□ 20m	□ 50m	○ 70m	○sw 70m	△ 50m	△ 50m	△sw 50m	※2△sw 50m	□ 20m	□ 50m	○ 70m	○ 70m	□ 20m	□ 50m	○ 70m	○ 70m	△ 50m	△ 50m	△ 50m	※2△ 50m
	Gas pipe	φ19.05	[20m]	[30m]	[30m]	[30m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]
	Liquid pipe	φ12.7	□ 20m	□ 50m	○ 70m	○sw 70m	□ 20m	□ 50m	○ 70m	○sw 70m	△ 50m	△ 50m	△sw 50m	※2△sw 50m	□ 20m	□ 50m	○ 70m	○ 70m	□ 20m	□ 50m	○ 70m	○ 70m	△ 50m	△ 50m	△ 50m	※2△ 50m
	Gas pipe	φ19.05	[20m]	[30m]	[30m]	[30m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]

※1 The maximum pipe length is 80m in case of new pipping.

※2 When using φ31.75 pipe, the outdoor temperature range (dry-bulb temperature) for heating operation is -11 to +21°C.

(2) Synchronized triple

Maximum pipe length (Main pipe [A] + Branch pipe [B, C and D])

Main pipe (mm)[A]	RP200 triple (RP60×3)															RP250 triple (RP71×3)											
	Liquid pipe		φ9.52					φ12.7					φ15.88					φ9.52		φ12.7		φ15.88					
	Gas pipe		φ19.05	φ22.2	φ25.4	φ28.58	φ19.05	φ22.2	φ25.4	φ28.58	φ22.2	φ25.4	φ28.58	φ31.75	φ19.05	φ22.2	φ25.4	φ28.58	φ19.05	φ22.2	φ25.4	φ28.58	φ22.2	φ25.4	φ28.58	φ31.75	
Branch pipe [mm] [B, C, D]	Liquid pipe	φ6.35	/																								
	Gas pipe	φ12.7	/																								
	Liquid pipe	φ9.52	□ 20m	□ 50m	Normal piping 70m※1 [30m]	○sw 70m	□ 20m	□ 50m	○ 70m	○sw 70m	△ 50m	△ 50m	△sw 50m	※2△sw 50m	□ 20m	□ 50m	○ 70m	○ 70m	□ 20m	□ 50m	○ 70m	○ 70m	Normal piping 70m※1 [30m]	△ 50m	△ 50m	△ 50m	※2△ 50m
	Gas pipe	φ15.88	[20m]	[30m]	[30m]	[30m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	
	Liquid pipe	φ9.52	□ 20m	□ 50m	○ 70m	○sw 70m	□ 20m	□ 50m	○ 70m	○sw 70m	△ 50m	△ 50m	△sw 50m	※2△sw 50m	□ 20m	□ 50m	○ 70m	○ 70m	□ 20m	□ 50m	○ 70m	○ 70m	○ 70m	△ 50m	△ 50m	△ 50m	※2△ 50m
	Gas pipe	φ19.05	[20m]	[30m]	[30m]	[30m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]
	Liquid pipe	φ12.7	□ 20m	□ 50m	○ 70m	○sw 70m	□ 20m	□ 50m	○ 70m	○sw 70m	△ 50m	△ 50m	△sw 50m	※2△sw 50m	□ 20m	□ 50m	○ 70m	○ 70m	□ 20m	□ 50m	○ 70m	○ 70m	○ 70m	△ 50m	△ 50m	△ 50m	※2△ 50m
	Gas pipe	φ19.05	[20m]	[30m]	[30m]	[30m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]

※1 The maximum pipe length is 80m in case of new pipping.

※2 When using φ31.75 pipe, the outdoor temperature range (dry-bulb temperature) for heating operation is -11 to +21°C.

(3) Synchronized quadruple

Maximum pipe length (Main pipe[A]+Branch pipe [B, C, D and E])

Main pipe (mm)[A]	RP200 quadruple (RP50×4)															RP250 quadruple (RP60×4)											
	Liquid pipe		φ9.52					φ12.7					φ15.88					φ9.52		φ12.7		φ15.88					
	Gas pipe		φ19.05	φ22.2	φ25.4	φ28.58	φ19.05	φ22.2	φ25.4	φ28.58	φ22.2	φ25.4	φ28.58	φ31.75	φ19.05	φ22.2	φ25.4	φ28.58	φ19.05	φ22.2	φ25.4	φ28.58	φ22.2	φ25.4	φ28.58	φ31.75	
Branch pipe [mm] [B, C, D, E]	Liquid pipe	φ6.35	□ 20m	□ 50m	Normal piping 70m※1 [30m]	○sw 70m	□ 20m	□ 50m	○ 70m	○sw 70m	△ 50m	△ 50m	△sw 50m	※2△sw 50m	/												
	Gas pipe	φ12.7	[20m]	[30m]	[30m]	[30m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	/												
	Liquid pipe	φ9.52	□ 20m	□ 50m	○ 70m	○sw 70m	□ 20m	□ 50m	○ 70m	○sw 70m	△ 50m	△ 50m	△sw 50m	※2△sw 50m	□ 20m	□ 50m	○ 70m	○ 70m	□ 20m	□ 50m	○ 70m	○ 70m	Normal piping 70m※1 [30m]	△ 50m	△ 50m	△ 50m	※2△ 50m
	Gas pipe	φ15.88	[20m]	[30m]	[30m]	[30m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]
	Liquid pipe	φ9.52	□ 20m	□ 50m	○ 70m	○sw 70m	□ 20m	□ 50m	○ 70m	○sw 70m	△ 50m	△ 50m	△sw 50m	※2△sw 50m	□ 20m	□ 50m	○ 70m	○ 70m	□ 20m	□ 50m	○ 70m	○ 70m	○ 70m	△ 50m	△ 50m	△ 50m	※2△ 50m
	Gas pipe	φ19.05	[20m]	[30m]	[30m]	[30m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]
	Liquid pipe	φ12.7	□ 20m	□ 50m	○ 70m	○sw 70m	□ 20m	□ 50m	○ 70m	○sw 70m	△ 50m	△ 50m	△sw 50m	※2△sw 50m	/												
	Gas pipe	φ19.05	[20m]	[30m]	[30m]	[30m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]	[30m]	[30m]	[30m]	[20m]	[20m]	[30m]	[30m]	[20m]	[20m]	[20m]	[20m]	[20m]

※1 The maximum pipe length is 80m in case of new pipping.

※2 When using φ31.75 pipe, the outdoor temperature range (dry-bulb temperature) for heating operation is -11 to +21°C.

<Marks in the table above>

SW : When the outdoor unit is located lower than the indoor unit, set DIP SW8-1 on the outdoor unit controller board to ON.

○ : It can be used.

□ : Cooling capacity is lowered. → Refer to <Table6>

△ : Additional refrigerant charge is required when the pipe length exceeds 20m. → Refer to <Table7>

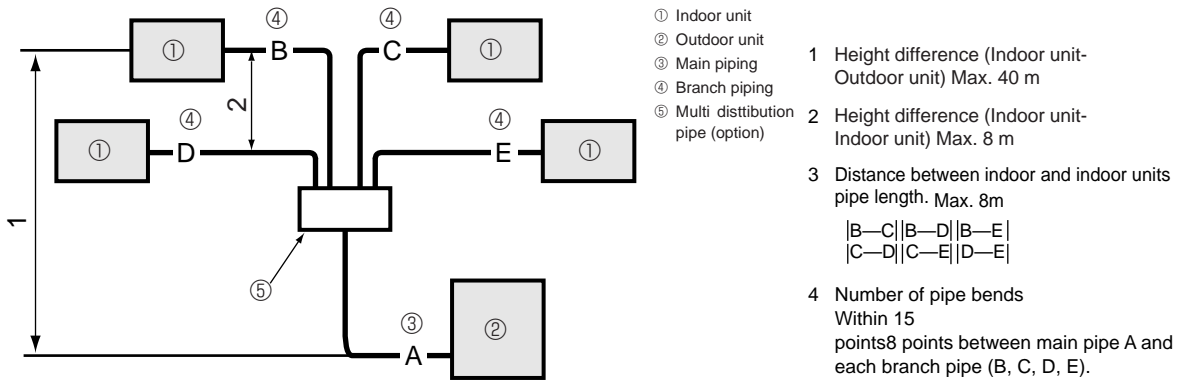
70m : The maximum pipe length

[30m] : Charge-less pipe length

Pipe diameter and thickness

OD (mm)	φ6.35	φ9.52	φ12.7	φ15.88	φ19.05	φ22.2	φ25.4	φ28.58	φ31.75
Thickness (mm)	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.1

Be sure to use hard (tempered) one for pipe over φ22.2. (Do not use soft (annealed) one.)



<Table 6> Lowered cooling capacity by the smaller gas pipe diameter

Pipe length	RP200 Cooling capacity ratio		RP250 Cooling capacity ratio	
	gas pipe φ22.2	gas pipe φ19.05	gas pipe φ25.4	gas pipe φ22.2
5m and less	100%	100%	100%	100%
6~10m	100~96%	100~91%	100~98%	100~95%
11~20m	96~91%	91~81%	98~94%	95~88%
21~30m	91~86%	—	94~91%	—
31~40m	86~83%	—	91~88%	—
41~50m	83~80%	—	88~86%	—

<Table 7> Additional refrigerant amount when the liquid pipe of the larger diameter is used. (Single / Simultaneous Twin / Simultaneous Triple / Simultaneous Quadruple)

Capacity	When the extension pipe length (main piping + branch piping) exceeds 20m
RP200, RP250	Additional refrigerant amount $\Delta W(g) = (180 \times L_1) + (120 \times L_2) + (90 \times L_3) + (30 \times L_4) - 3000$

L_1 : φ15.88 liquid pipe (m) L_2 : φ12.7 liquid pipe (m)
 L_3 : φ9.52 liquid pipe (m) L_4 : φ6.35 liquid pipe (m)

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

<Table 8>

Outdoor unit	Permissible total piping length A+B+C+D+E	A+B or A+C or A+D or A+E	Charge-less piping length A+B+C+D+E
RP200 PR250	120 m and less	100 m and less	30 m and less

<Table 9>

Outdoor unit	$ B-C $ or $ B-D $ or $ B-E $ or $ C-D $ or $ C-E $ or $ D-E $	Number of pipe bends
RP200 RP250	8 m and less	Within 15

<Table 10>

Outdoor unit	permitted pipe length	At time of shipping (kg)	A+B+C+D					
			Amount of additional refrigerant charge (kg)					
			30 m and less	31-40 m and less	41-50 m and less	51-60 m and less	61-70 m and less	71-120 m and less
RP200	120m or less	10.5	No additional charge necessary	0.9 kg	1.8 kg	2.7 kg	3.6 kg	The additional charge amount is obtained by the following formula.
RP250		10.5		1.2 kg	2.4 kg	3.6 kg	4.8 kg	

When length exceeds 70 m

When the total length of the piping exceeds 70 m, calculate the amount of additional charge based on the following requirements.
 Note: If the calculation produces a negative number (i.e. a "minus" charge), or if calculation results in an amount that is less than the "Additional charge amount for 70 m," perform the additional charge using the amount shown in "Additional charge amount for 70 m."

Amount of additional charge	=	Main piping: Liquid line size φ12.7 overall length 0.12	+	Main piping: Liquid line size φ9.52 overall length 0.09 (Gas line: φ28.58)	+	Branch piping: Liquid line size φ9.52 overall length 0.06 (Gas line: φ15.88)	+	Branch piping: Liquid line size φ6.35 overall length 0.02 (Gas line: φ15.88)	-	3.6 (kg)
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Additional charge amount for 70 m	RP200	3.6 kg
	RP250	4.8 kg

1. Perform refrigerant piping connections for the indoor / outdoor unit while the outdoor unit's stopvalve is completely closed (factory setting), and then vacuumize the refrigerant lines through the service port of the outdoor unit.
2. Open the stop valves of the outdoor unit completely.
 This will completely connects the refrigerant lines of the indoor and outdoor units.
 Handling of the stop valve is shown on the outdoor unit.

Note :

- Apply refrigerating machine oil over the flare seat surface. Do not apply to the threaded portion. (It will cause the flare nut to loosen.)
- Use two wrenches to tighten piping connection.
- Use leak detector or soapy water to check for gas leaks after connections are completed.
- For the insulation of the connection at the indoor side, make sure to use the attached insulation materials and thoroughly follow the instruction shown in the manual.
- Always use a non-oxidizing brazing material when brazing the pipes.

Adjusting the amount of refrigerant

Check additional refrigerant charging amount referring to the procedure ② below when the liquid pipe diameter of the main piping A is larger than the standard size.

- ① When the standard diameter pipe is used for the main piping A, calculate the additional refrigerant amount by referring to <Table 2> as well as the 1:1 system.
- ② When the liquid pipe diameter of the main piping A is one size larger than the standard size:
 - When the extension pipe length (main piping + branch piping) does not exceeds 20m, adjustment of the refrigerant is not necessary (charge-less).
 - When the extension pipe length (main piping + branch piping) exceeds 20m, charge the amount of refrigerant that is obtained by the formula shown in <Table 7>.

If the calculation produces a negative number (i.e. a "minus" charge), additional charging is not necessary.

Note: Apply 0 to L1 to L3 corresponding to the piping that are not used.

Correcting the capacity value

When calculating the lowered capacity by the extension pipe length, use the longest length between the indoor and the outdoor units.

9-1. OUTLET AIR SPEED AND COVERAGE RANGE

		PLA-RP35AA	PLA-RP50AA	PLA-RP60AA	PLA-RP71AA	PLA-RP100AA	PLA-RP125AA	PLA-RP140AA
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-RP60GA	PCA-RP71GA	PCA-RP100GA	PCA-RP125GA	PCA-RP140GA
Air flow	m ³ /min	13	18	18	25	34	34
Air speed	m/sec	3.7	3.8	3.8	4.1	4.4	4.4
Coverage range	m	8.8	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-RP60FAL	PKA-RP71FAL	PKA-RP100FAL
Air flow	m ³ /min	20	20	28
Air speed	m/sec	4.9	4.9	5.4
Coverage range	m (ft)	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

9-2-1. FRESH AIR INTAKE AMOUNT

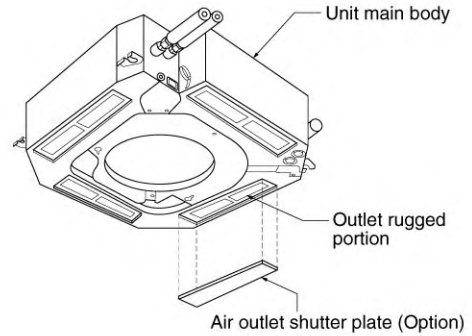
1. Adjusting the width of the air outlets

- **Change of outlet numbers**

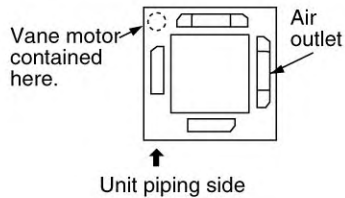
[The optional air outlet shutter is necessary.]

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.)



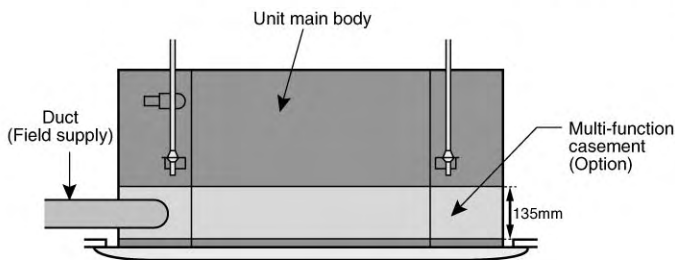
- **For the portion to be cut (V-shaped groove), see the figure below (as seen from the rear of the panel).**



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.

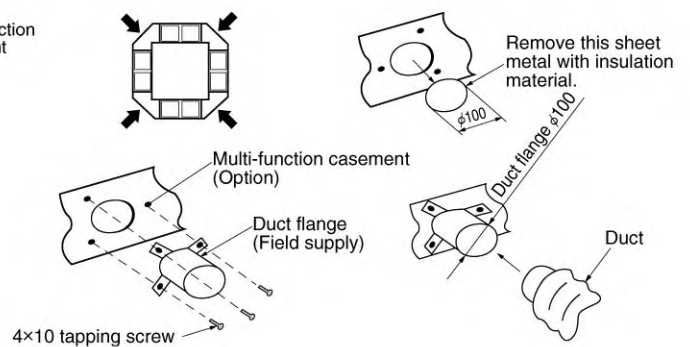
(The mounting of the multi-function casement increases the height of the ceiling plenum by 135mm.)



Direct exterior air intake into the main body is also possible.

Knockout hole for fresh air intake

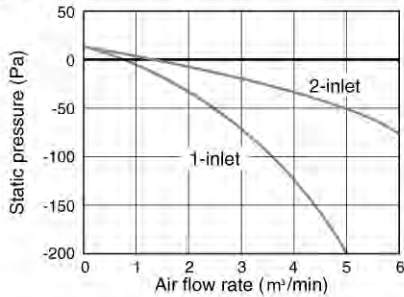
Preparation of knockout hole



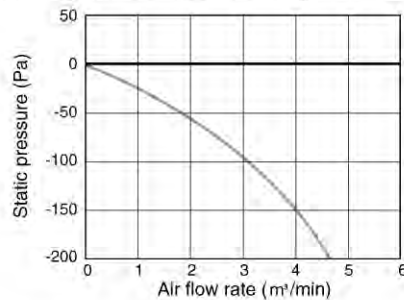
3. Fresh air intake volume & static pressure characteristics

① PLA-RP71AA

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

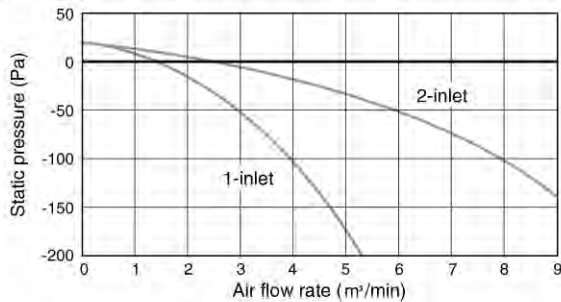


② PLA-RP 71 AA (Direct intake to unit)

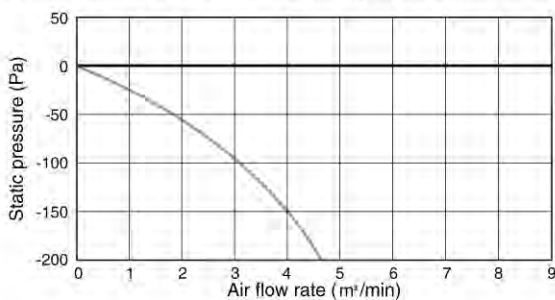


③ PLA-RP100/RP125/RP140AA

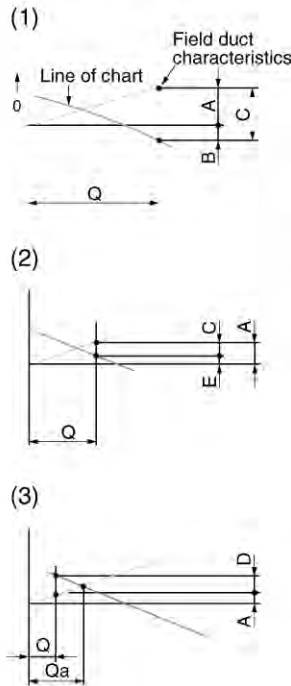
(at using of multi-function casement, standard filter)



④ PLA-RP100/RP125/RP140AA (Direct intake to unit)



How to read the chart



Q Design fresh air intake volume (m³/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

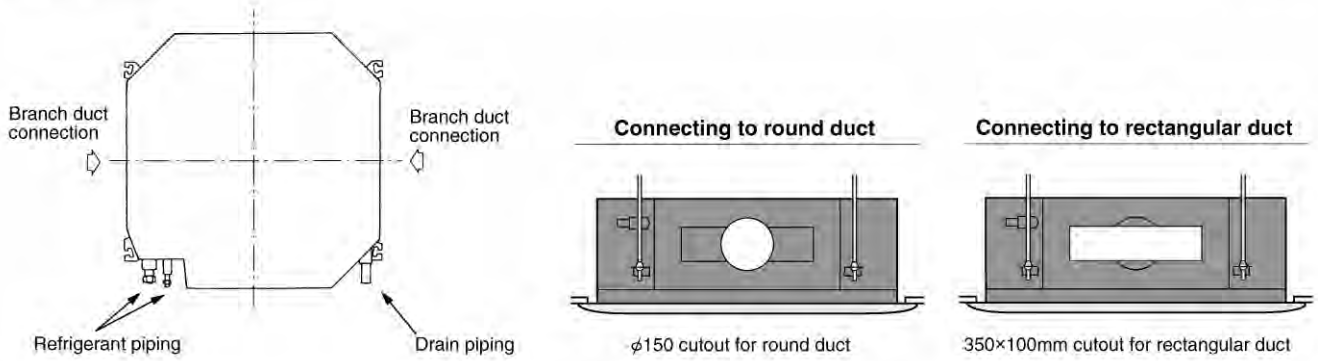
D Required compensation [Pa] for static pressure loss of fresh air intake duct to make air flow rate Q

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

Qa .. Estimated fresh air intake [m³/min] without compensation of D

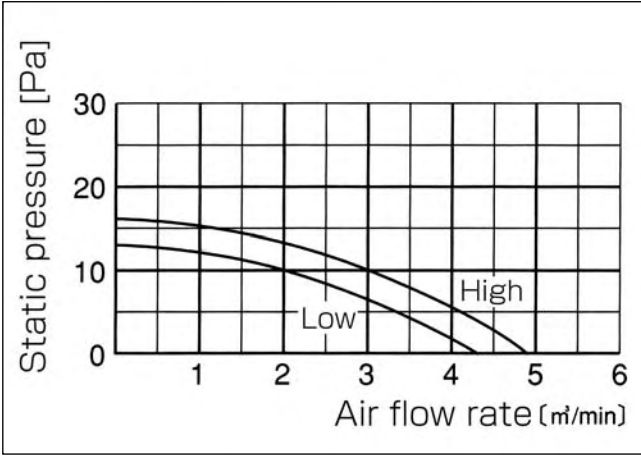
9-2-2. BRANCH DUCT (Installation at site)

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

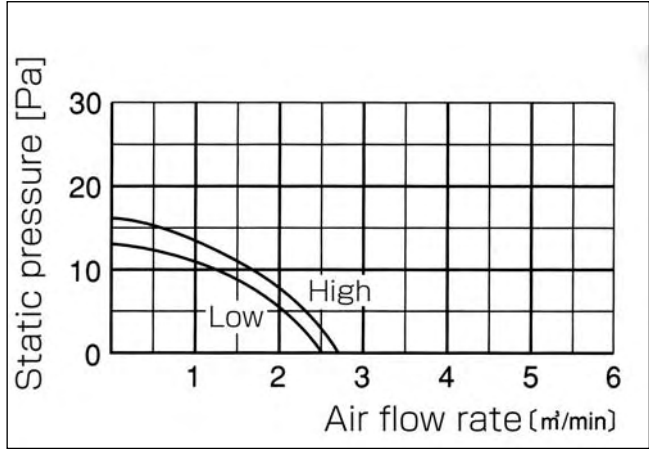


Branch duct air flow rate/static pressure characteristics
PLA-RP35AA

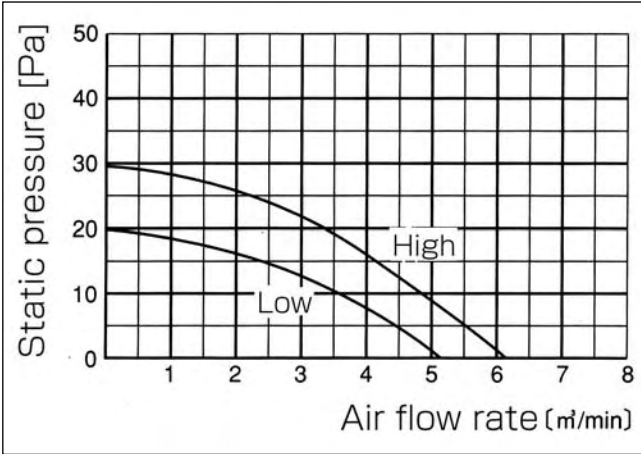
4-way air flow (horizontal vane) Rectangular duct



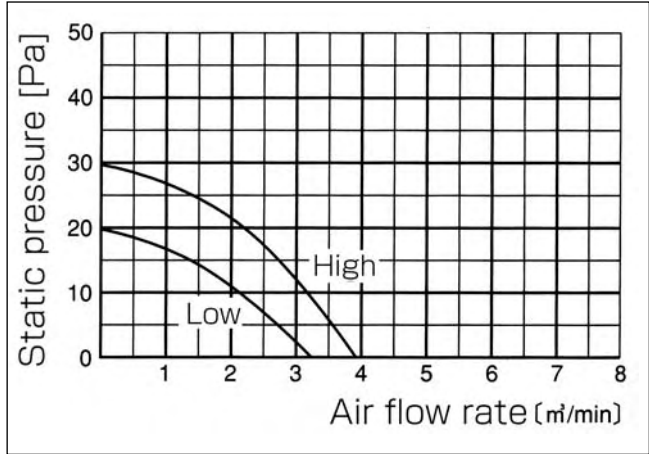
4-way air flow (horizontal vane) Round duct



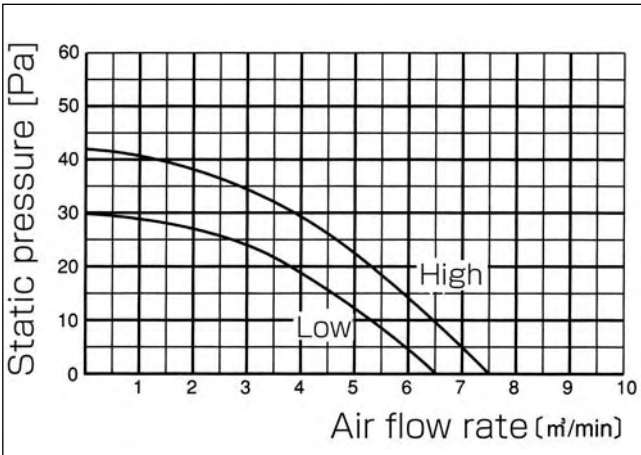
3-way air flow (horizontal vane) Rectangular duct



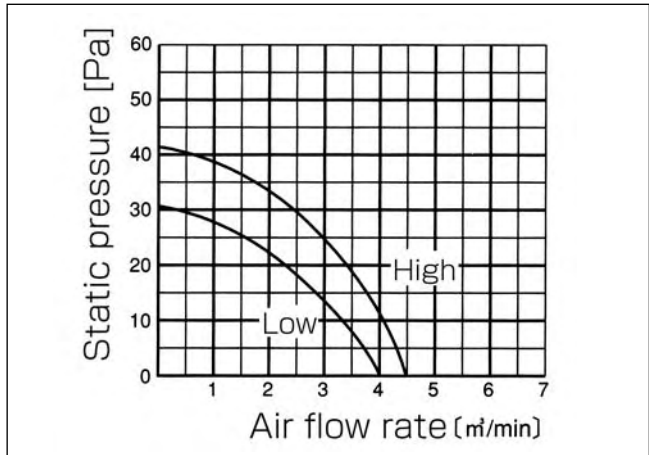
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

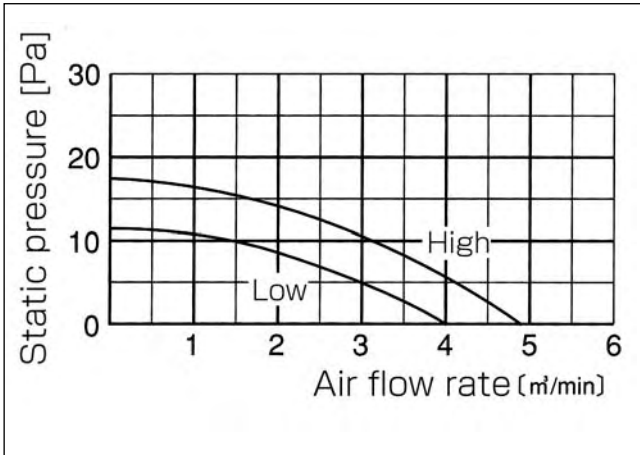


2-way air flow (horizontal vane) Round duct

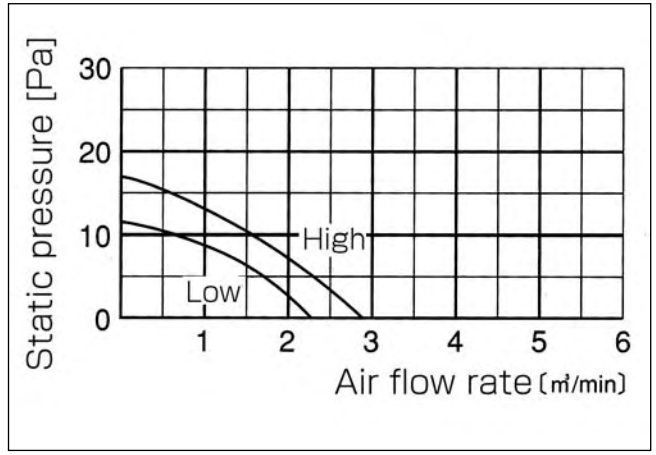


PLA-RP50AA
PLA-RP60AA

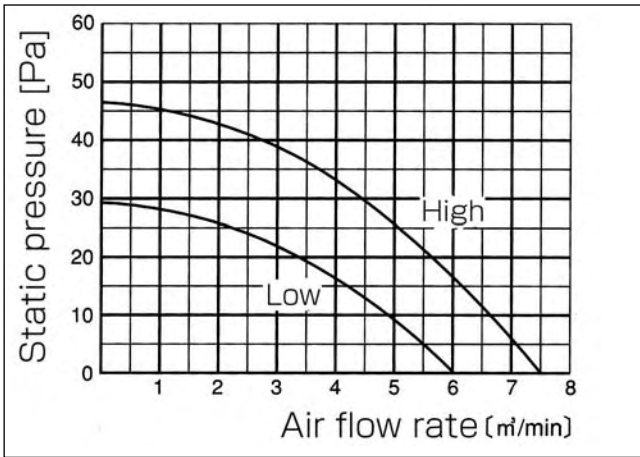
4-way air flow (horizontal vane) Rectangular duct



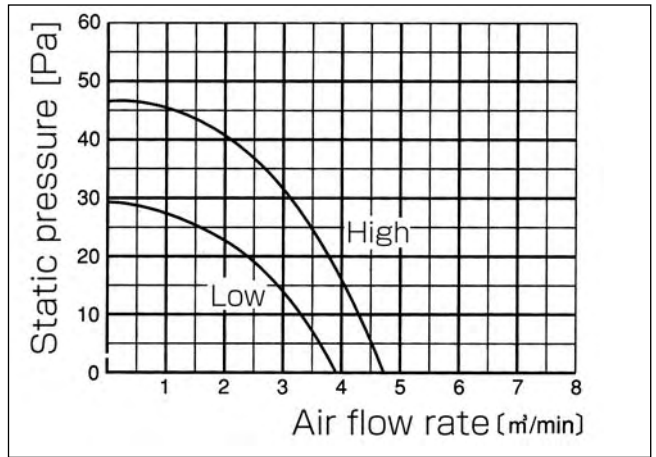
4-way air flow (horizontal vane) Round duct



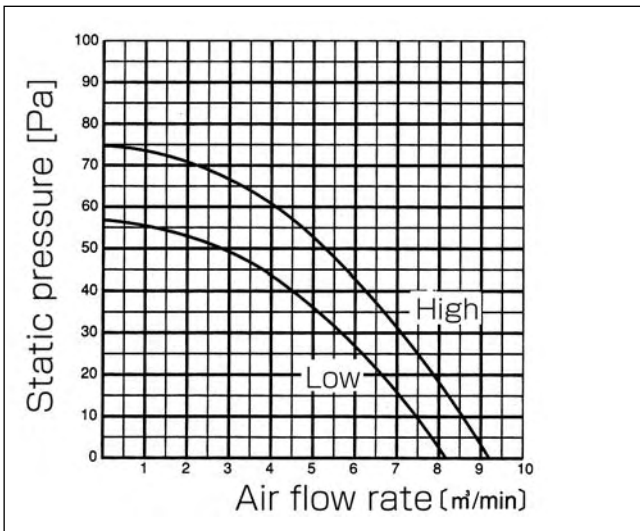
3-way air flow (horizontal vane) Rectangular duct



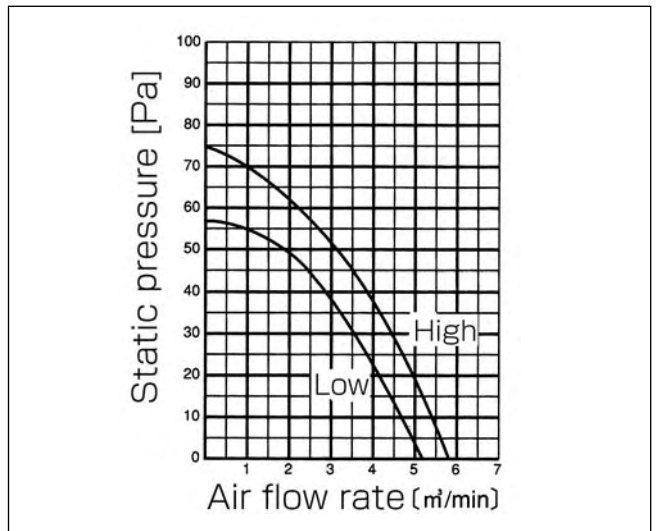
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

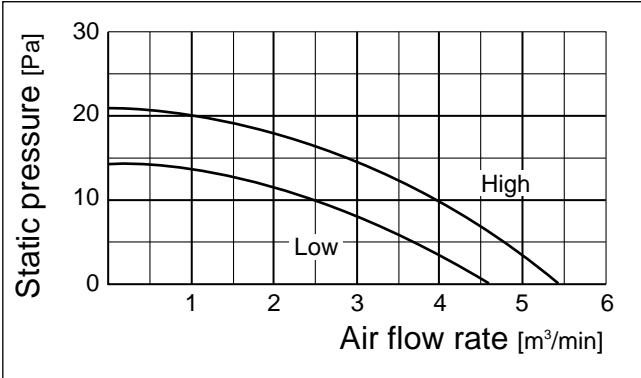


2-way air flow (horizontal vane) Round duct

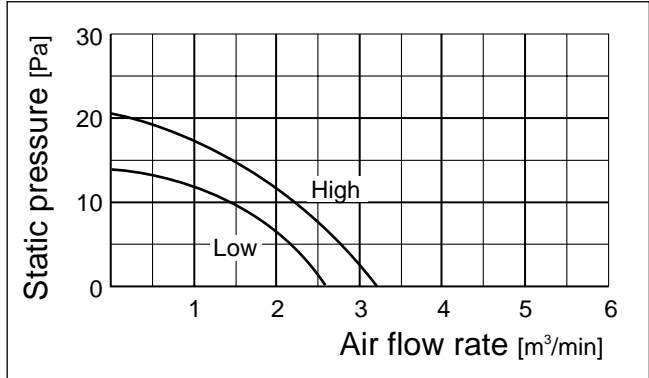


PLA-RP71AA

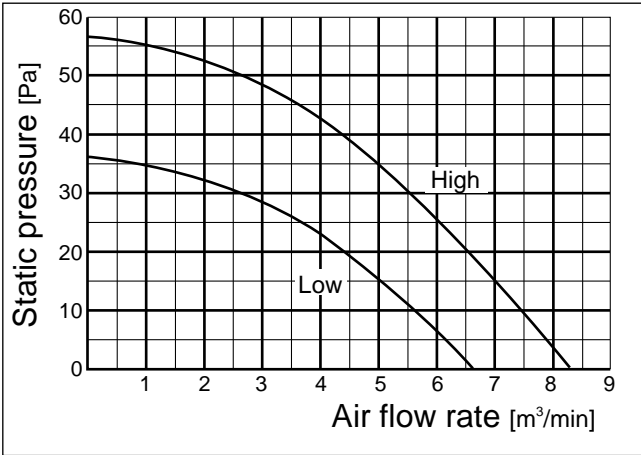
4-way air flow (horizontal vane) Rectangular duct



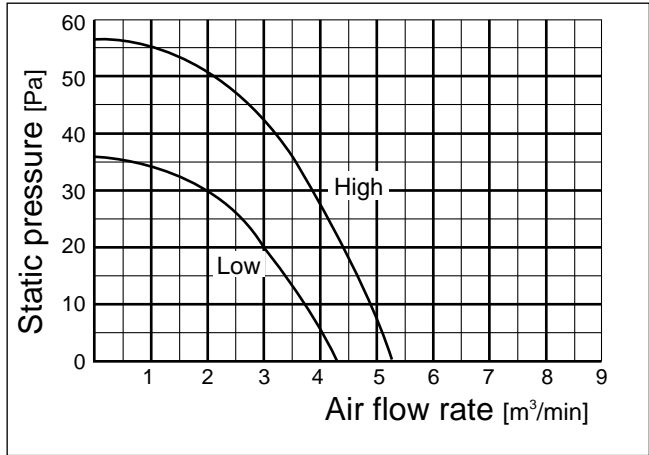
4-way air flow (horizontal vane) Round duct



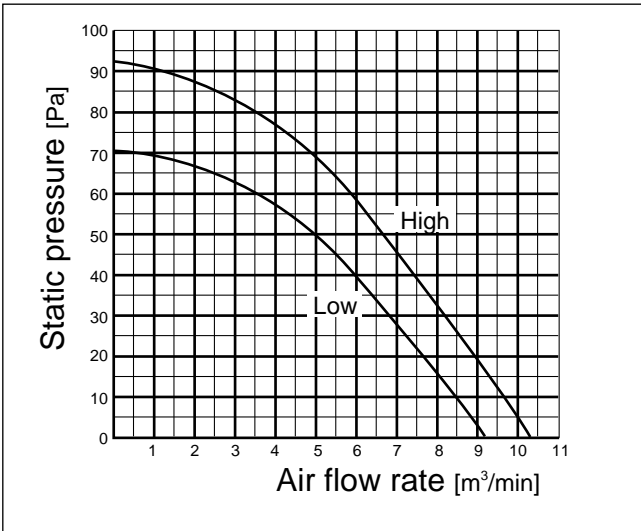
3-way air flow (horizontal vane) Rectangular duct



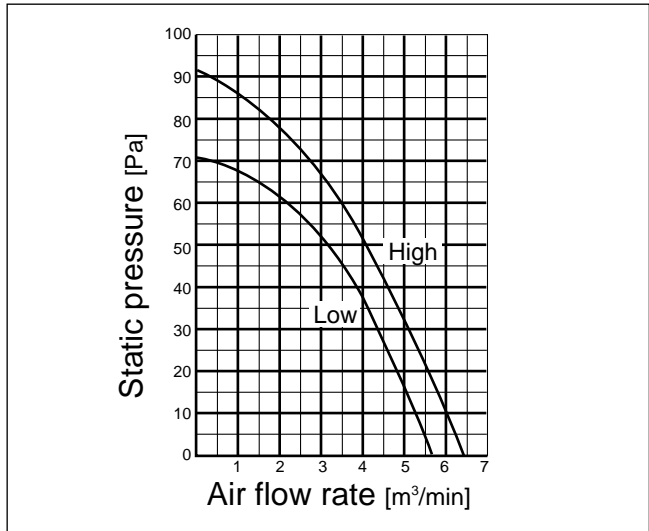
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

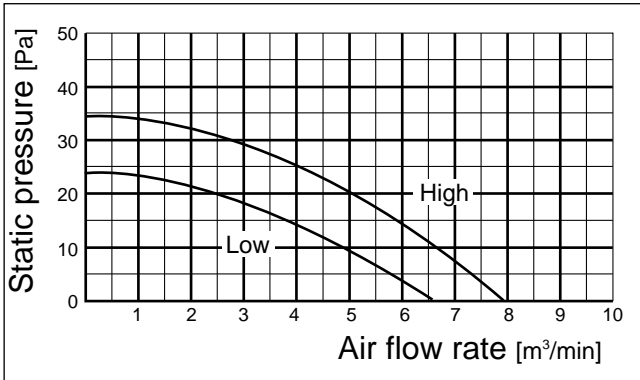


2-way air flow (horizontal vane) Round duct

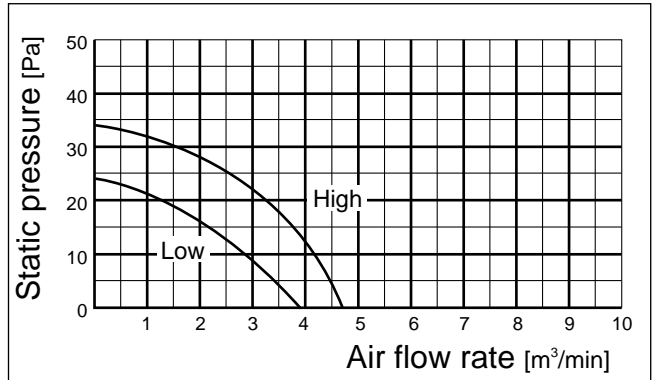


PLA-RP100AA

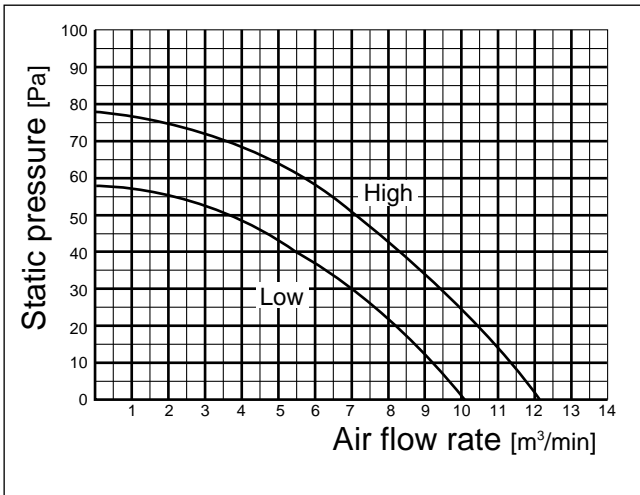
4-way air flow (horizontal vane) Rectangular duct



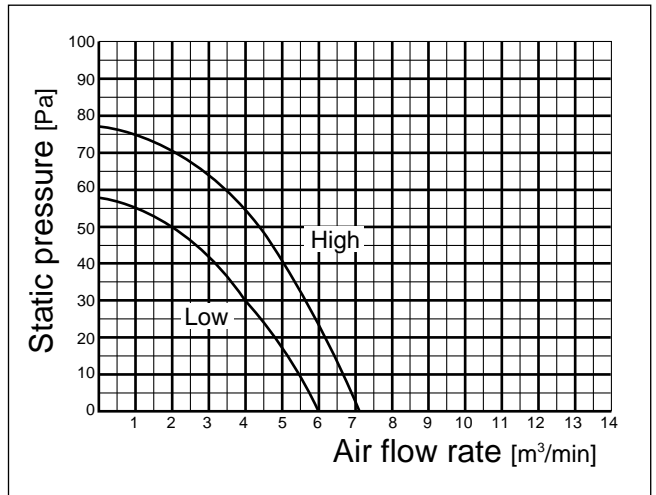
4-way air flow (horizontal vane) Round duct



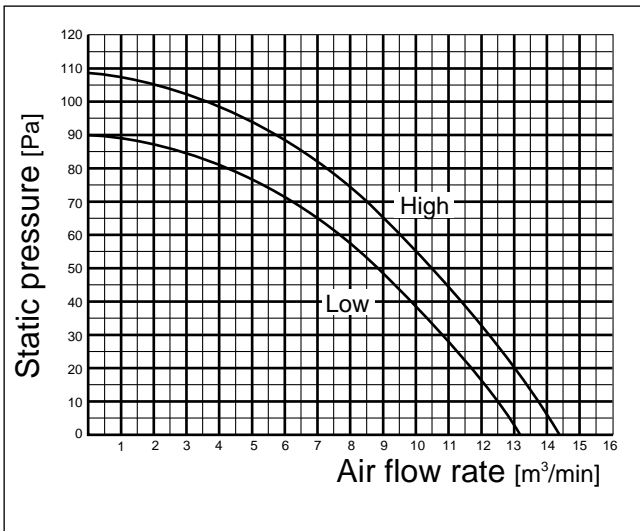
3-way air flow (horizontal vane) Rectangular duct



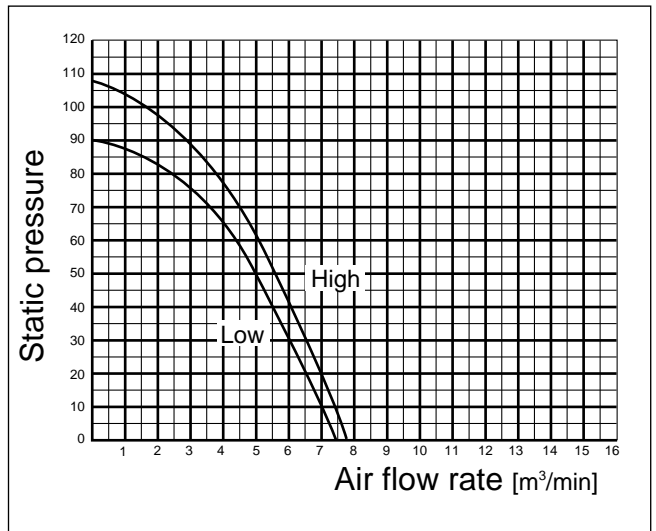
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

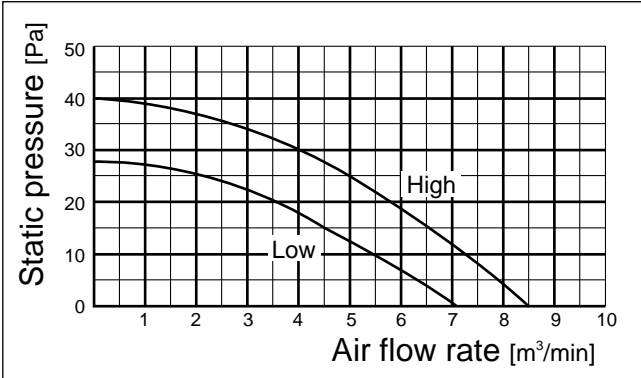


2-way air flow (horizontal vane) Round duct

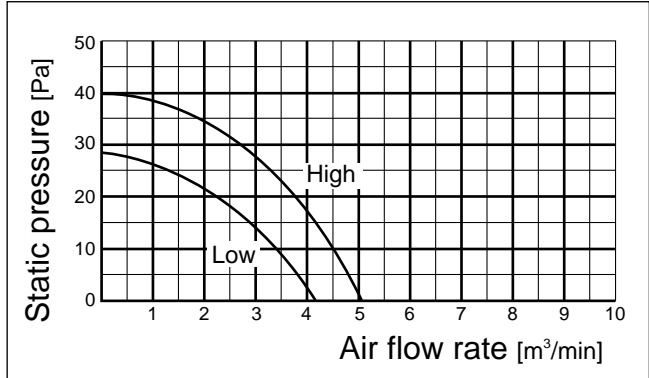


PLA-RP125AA
PLA-RP140AA

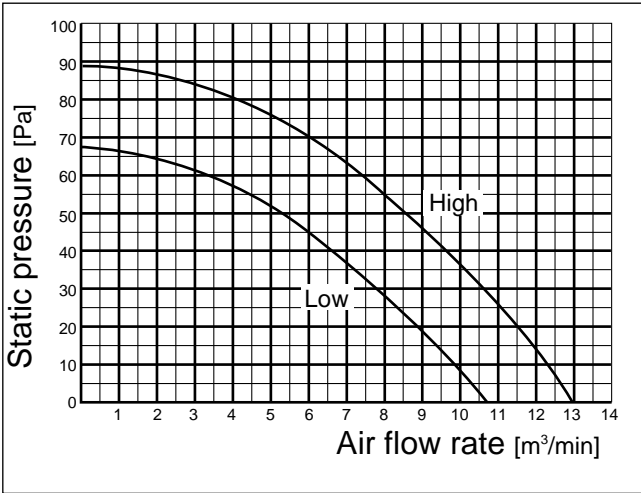
4-way air flow (horizontal vane) Rectangular duct



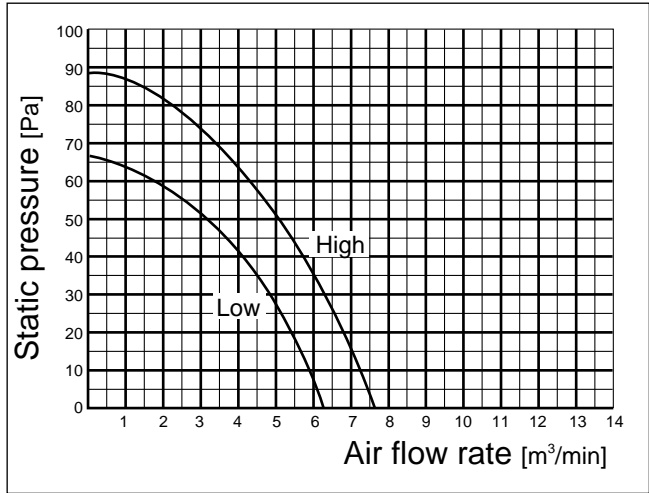
4-way air flow (horizontal vane) Round duct



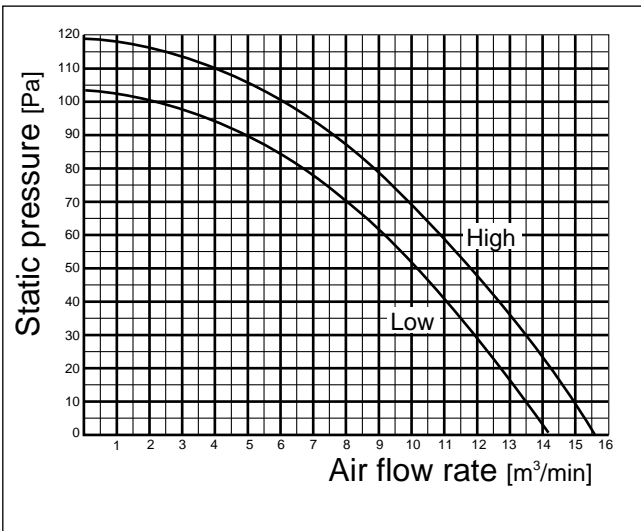
3-way air flow (horizontal vane) Rectangular duct



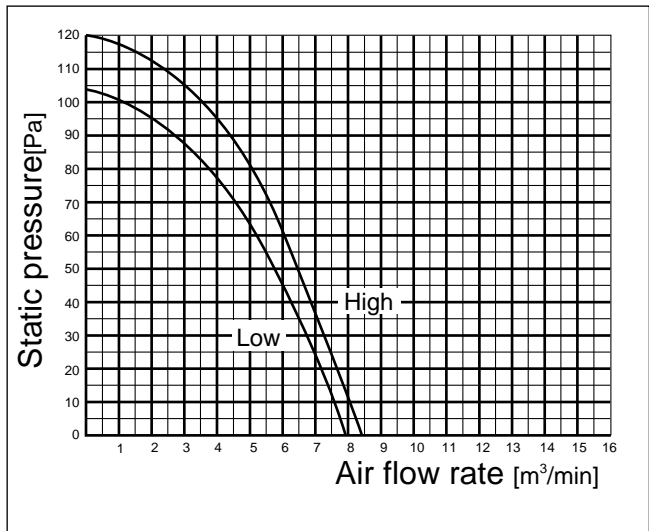
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct



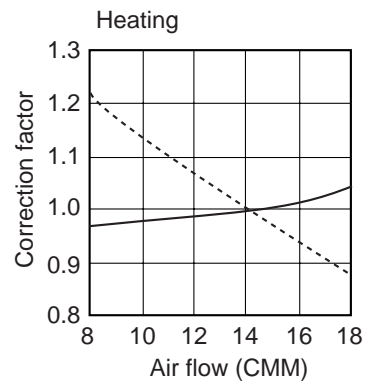
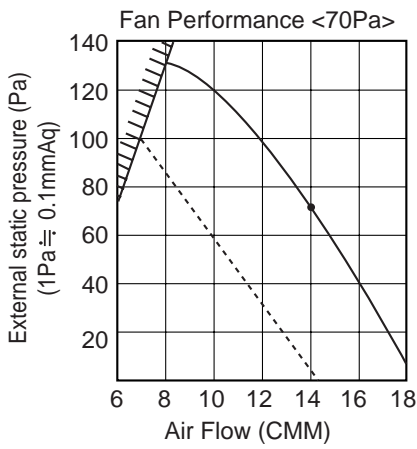
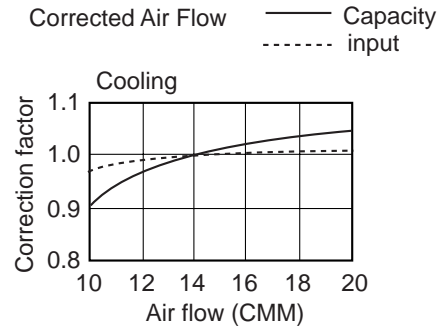
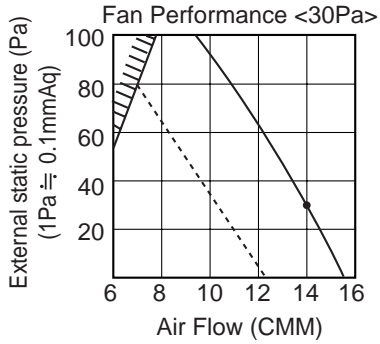
2-way air flow (horizontal vane) Round duct



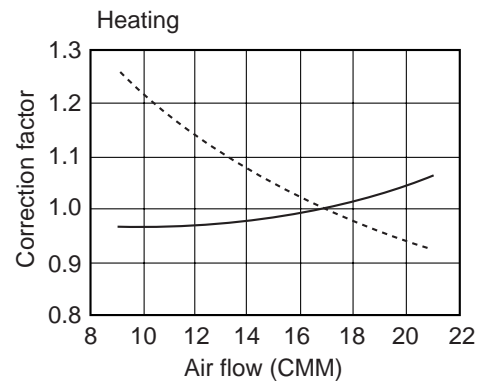
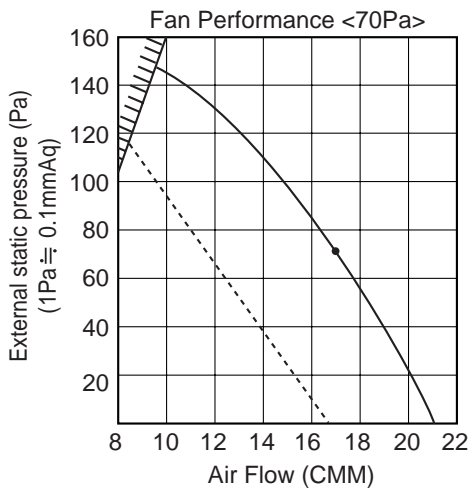
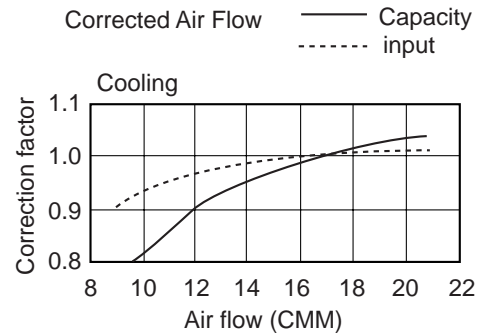
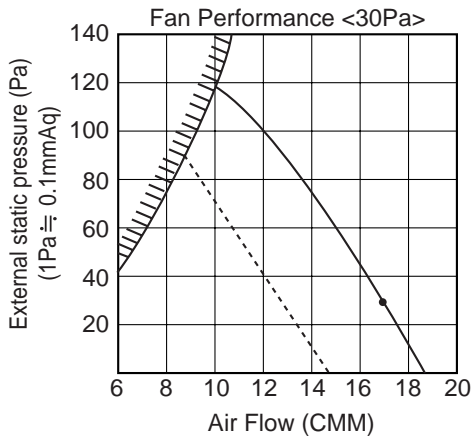
9-2. PEAD-RP-EA, GA

9-2-1. FAN PERFORMANCE AND CORRECTED AIR FLOW

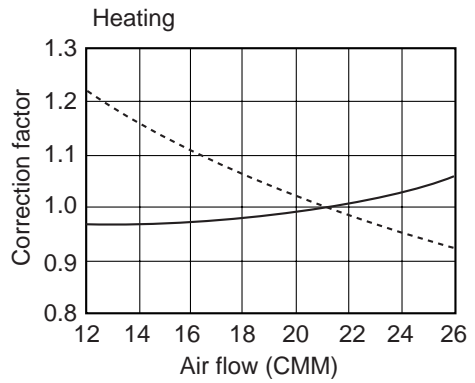
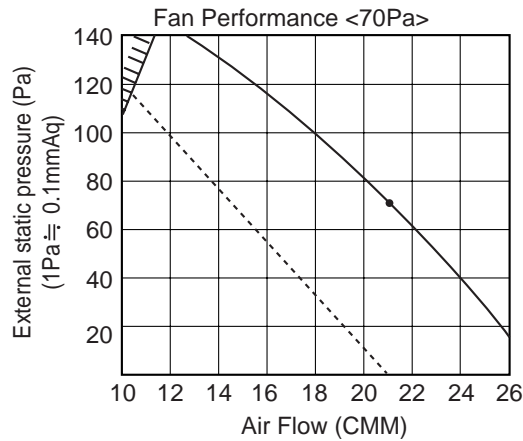
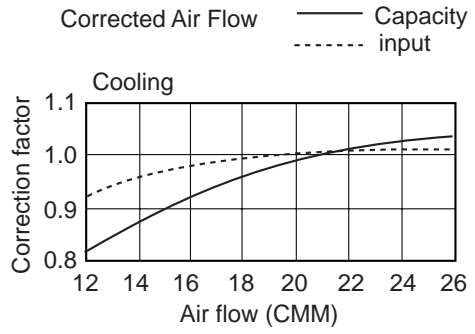
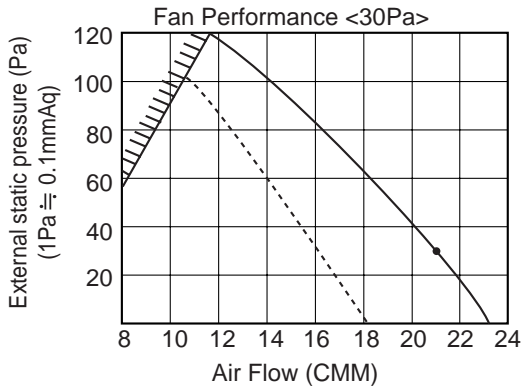
PEAD-RP35EA



PEAD-RP50EA

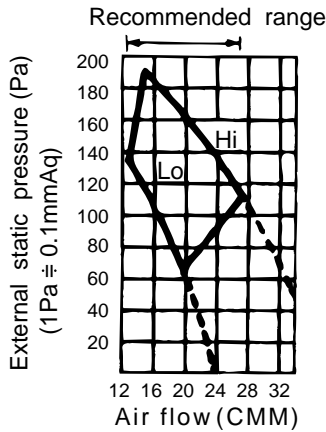


PEAD-RP60EA

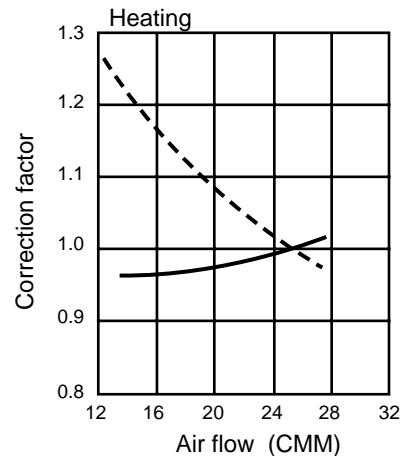
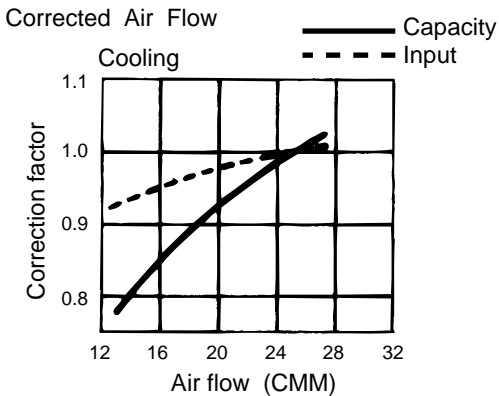
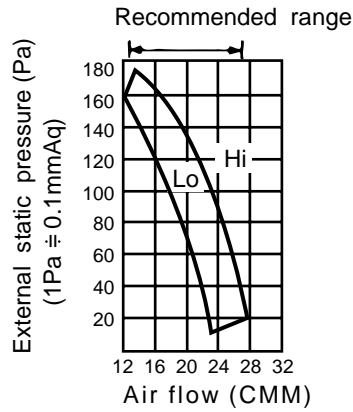


PEAD-RP71EA

Fan performance <130Pa>

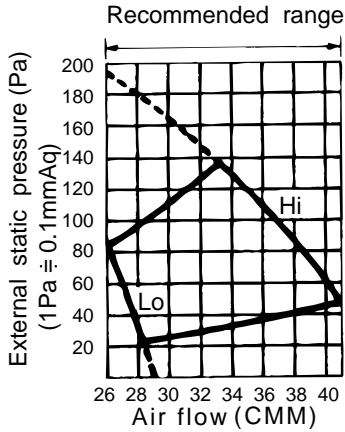


Fan performance <70Pa>

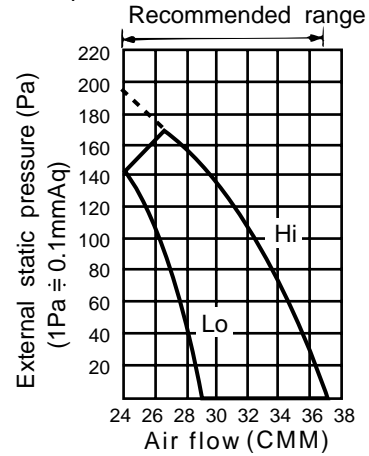


PEAD-RP100EA

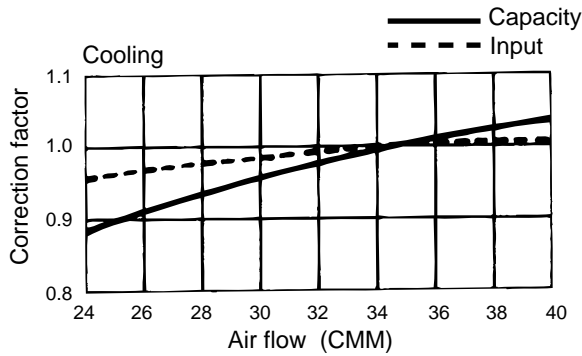
Fan performance <130Pa>



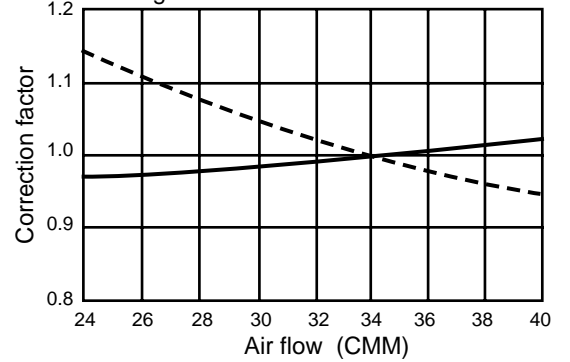
Fan performance <70Pa>



Corrected Air Flow

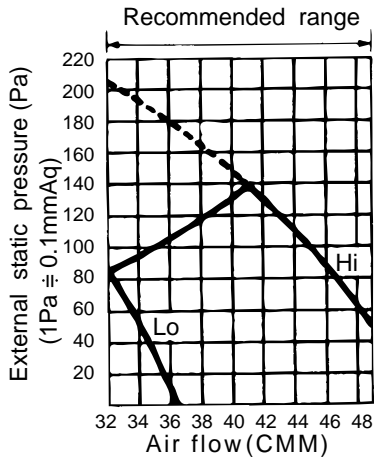


Heating

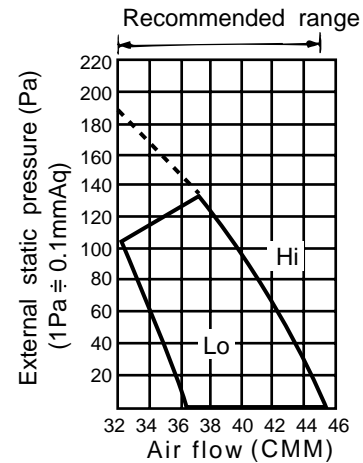


PEAD-RP125EA

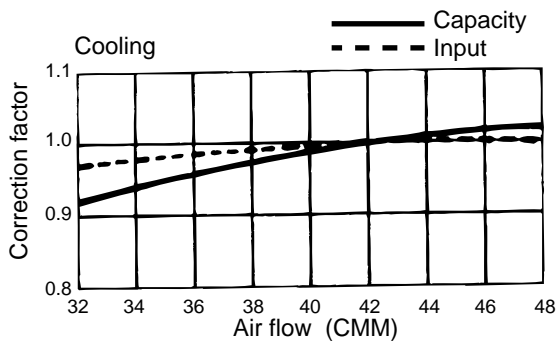
Fan performance <130Pa>



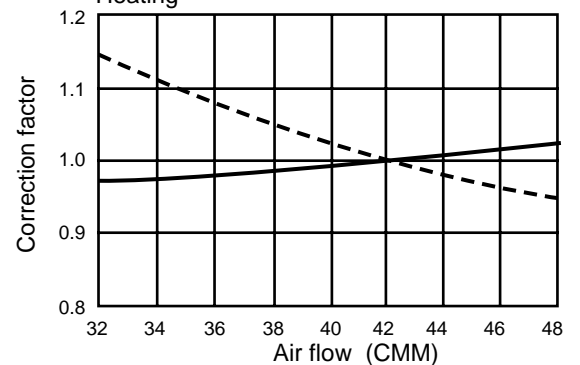
Fan performance <70Pa>



Corrected Air Flow

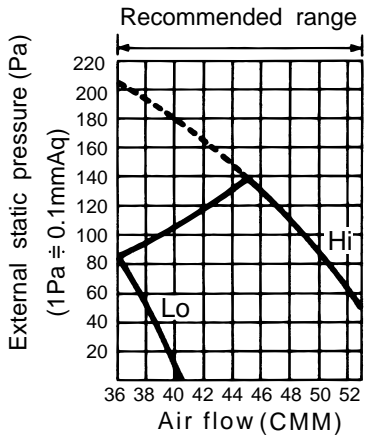


Heating

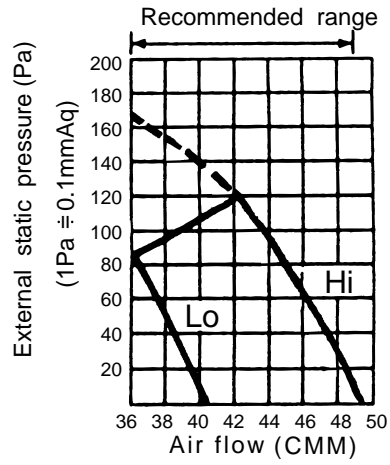


PEAD-RP140EA

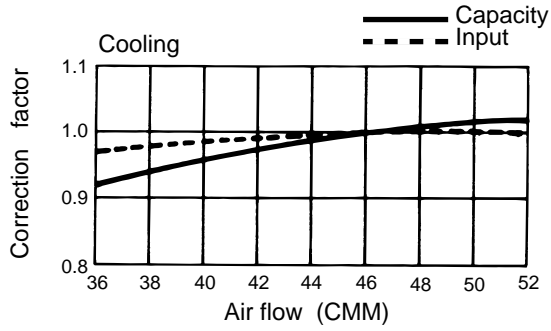
Fan performance <130Pa>



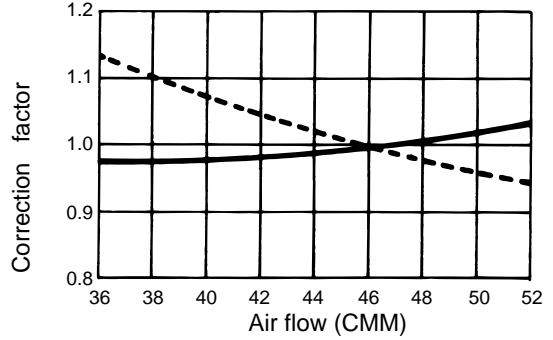
Fan performance <70Pa>



Corrected Air Flow

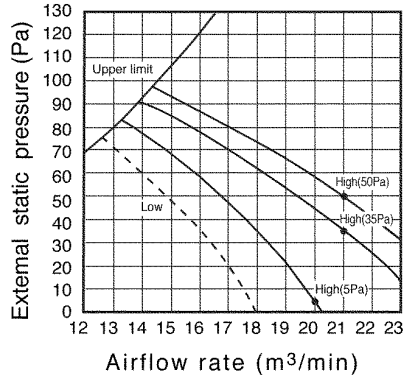


Heating

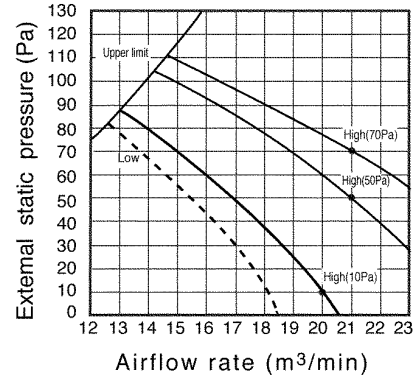


PEAD-RP60GA

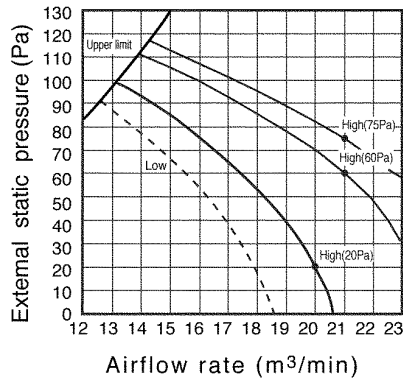
Fan performance <220V>



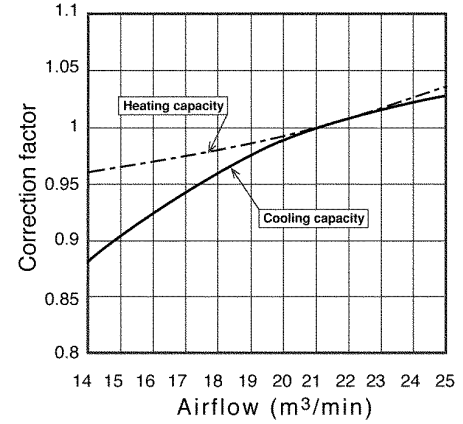
Fan performance <230V>



Fan performance <240V>

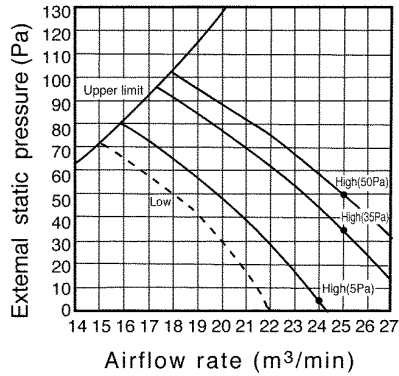


Corrected air flow

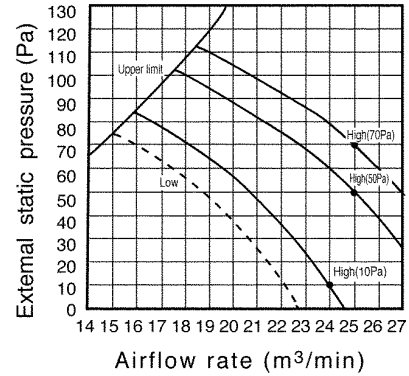


PEAD-RP71GA

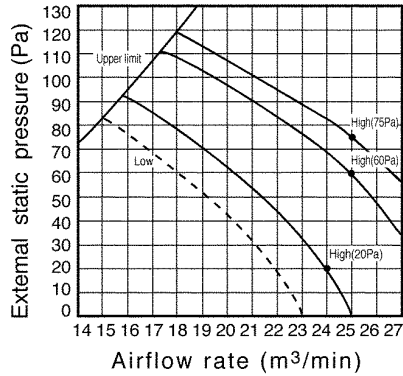
Fan performance <220V>



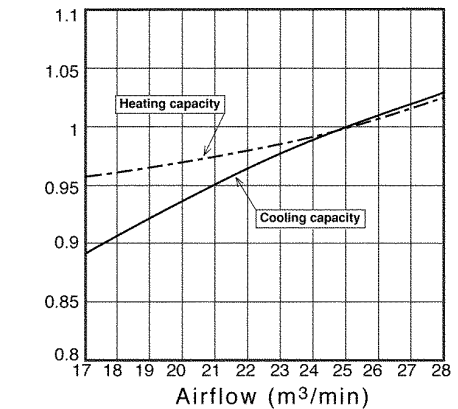
Fan performance <230V>



Fan performance <240V>

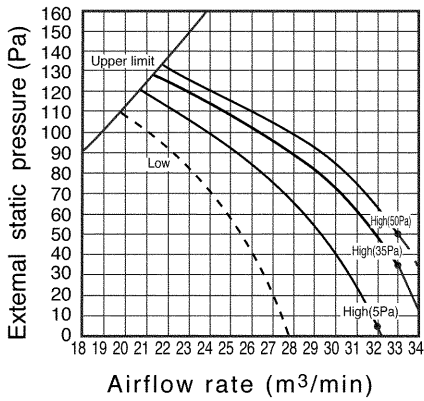


Corrected air flow

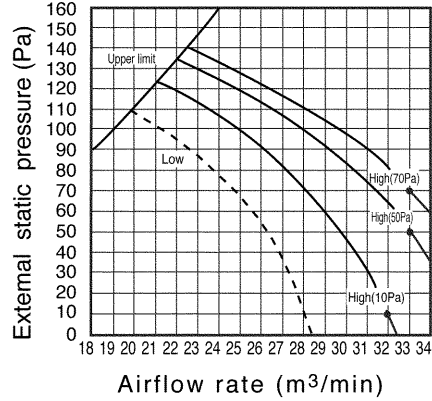


PEAD-RP100GA

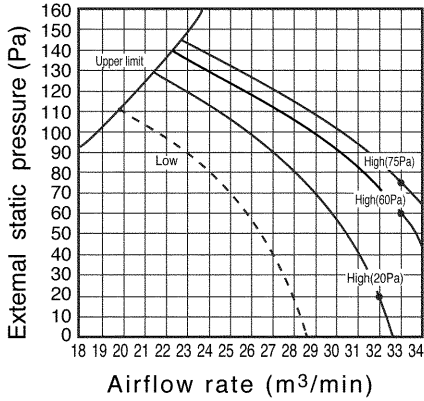
Fan performance <220V>



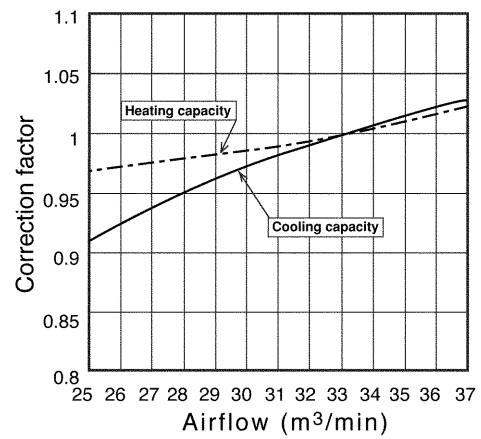
Fan performance <230V>



Fan performance <240V>



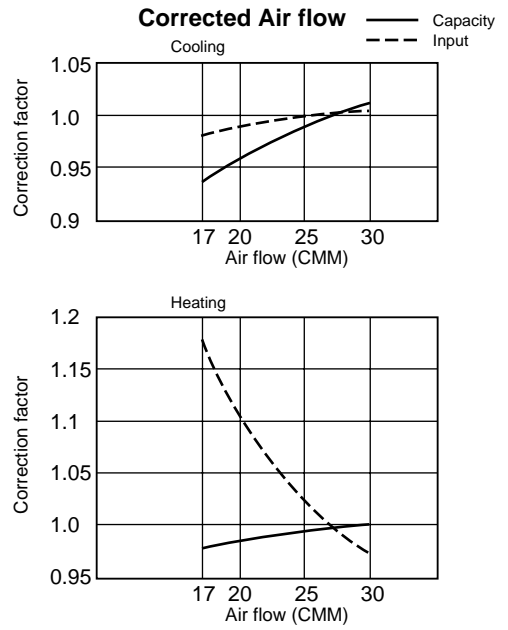
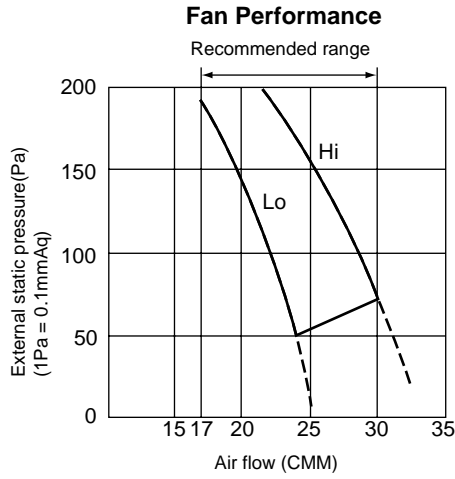
Corrected air flow



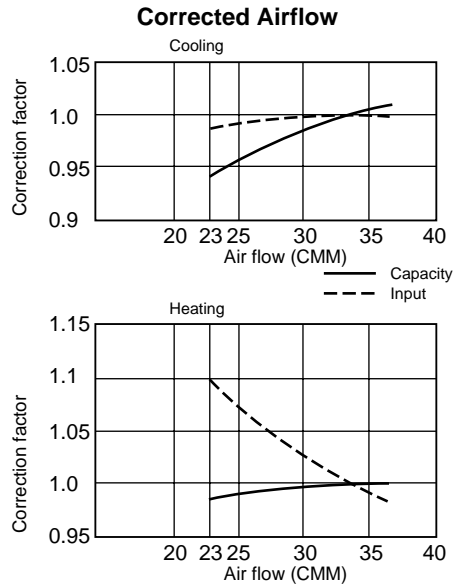
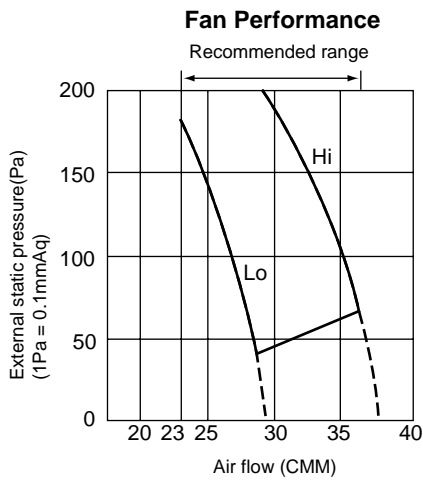
9-3.PEA-RP-EA

FAN PERFORMANCE AND CORRECTED AIR FLOW

(1) PEA-RP71EA



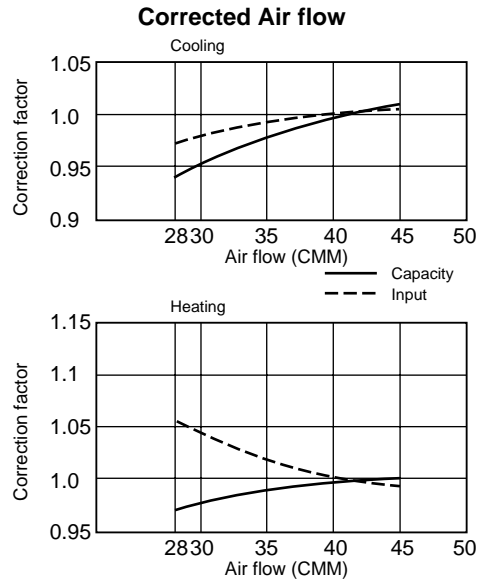
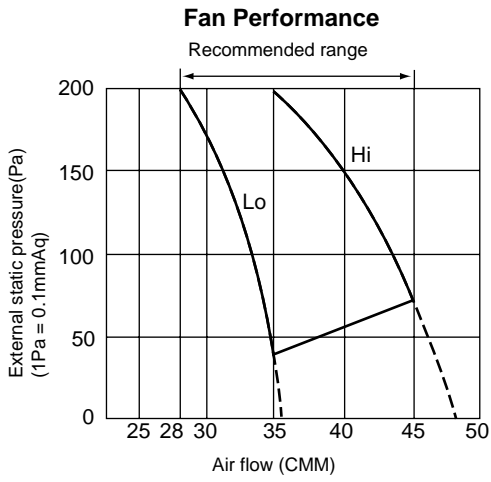
(2) PEA-RP100EA



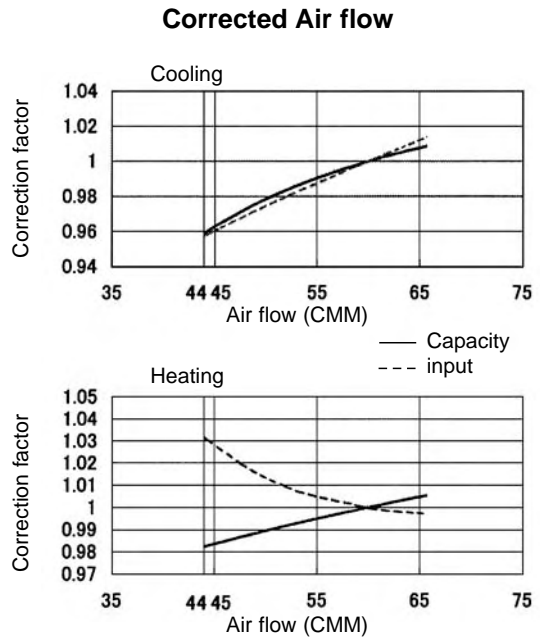
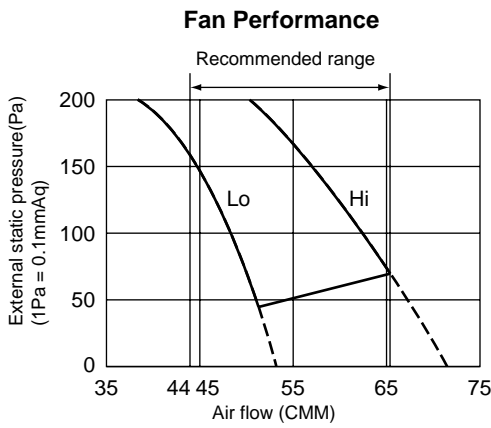


From the previous page.

(3) PEA-RP125EA



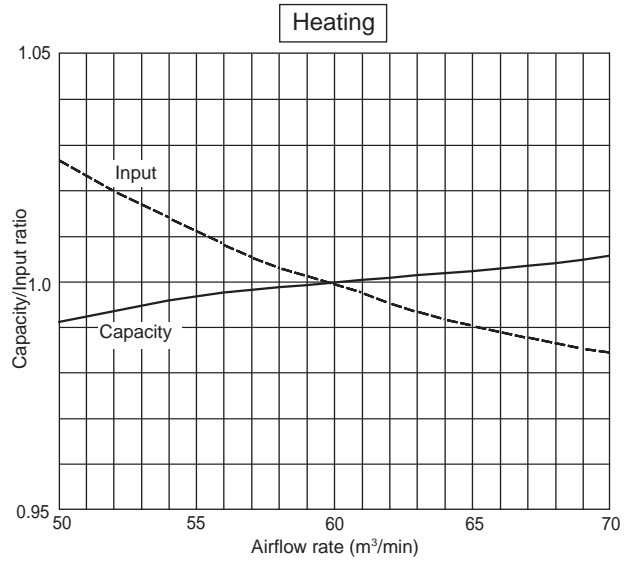
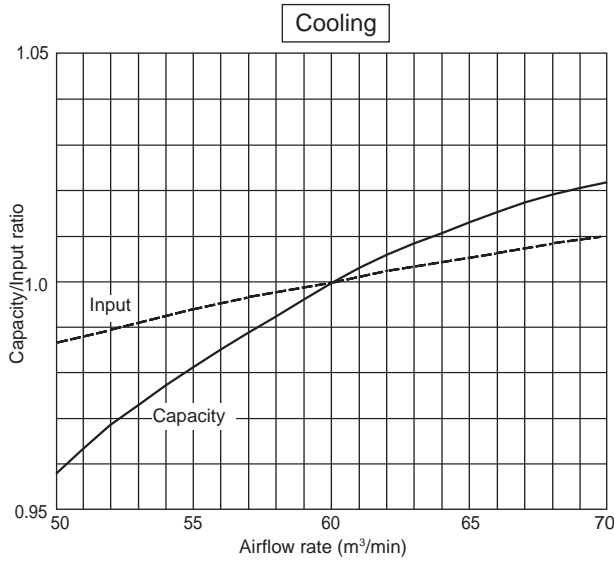
(4) PEA-RP140EA



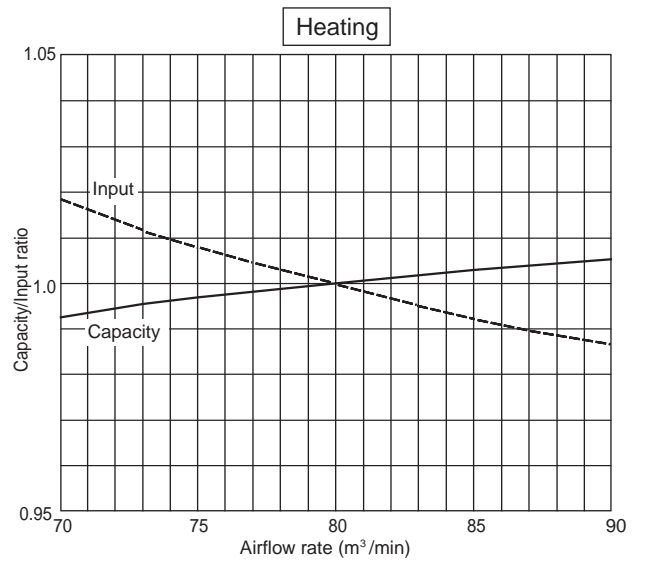
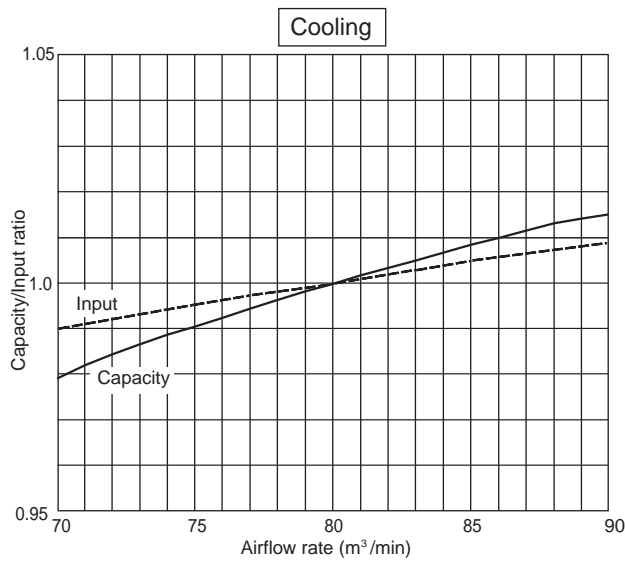
9-4.PEH-RP-MYA

[1] Capacity/Input Ratio against Changes in Room Airflow Rate

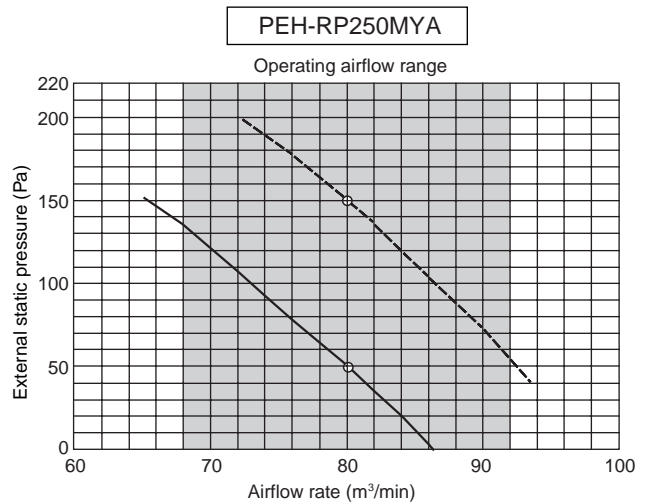
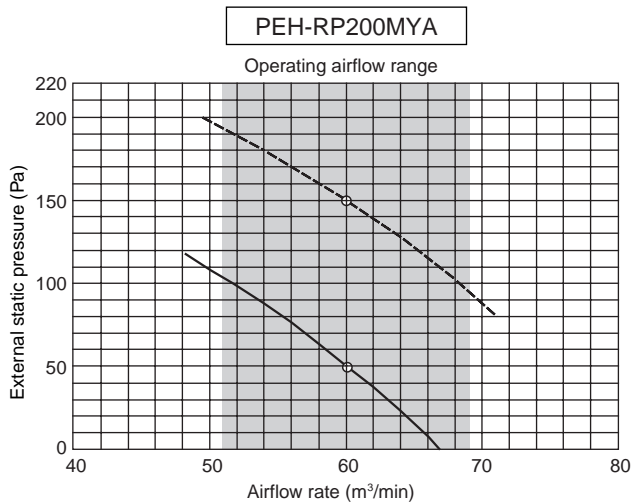
•Model PEH-RP200MYA



•Model PEH-RP250MYA

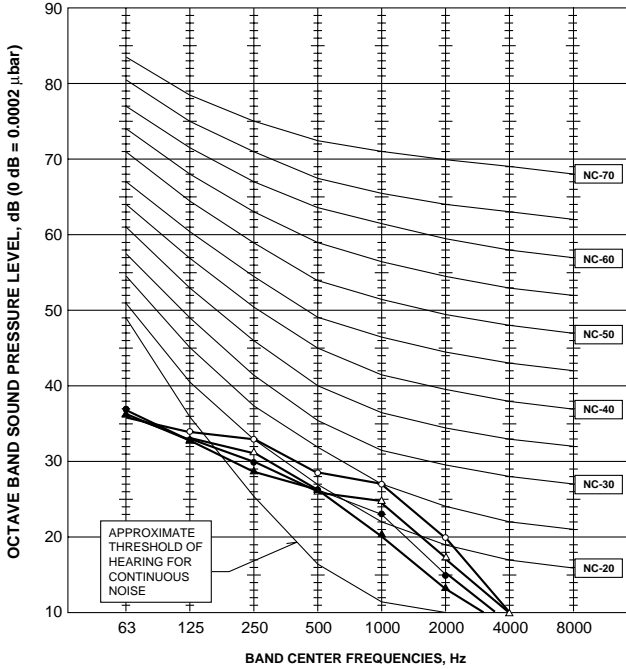


[2] Airflow Characteristic Curves



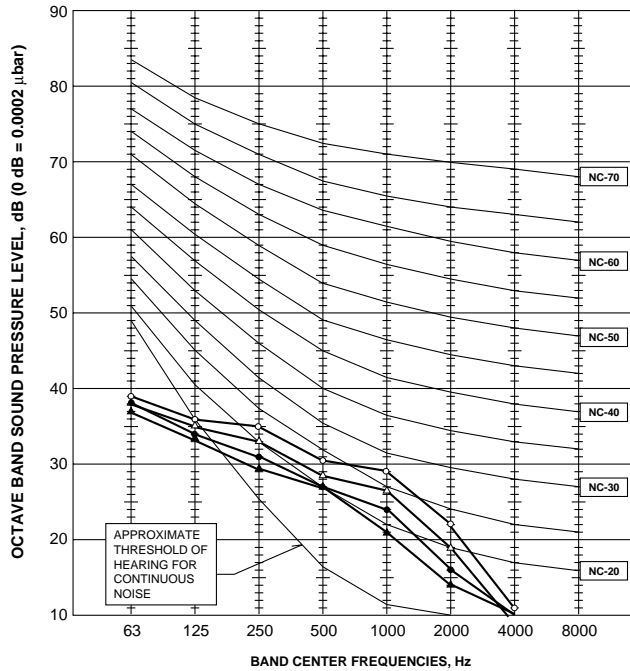
PLA-RP35AA

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



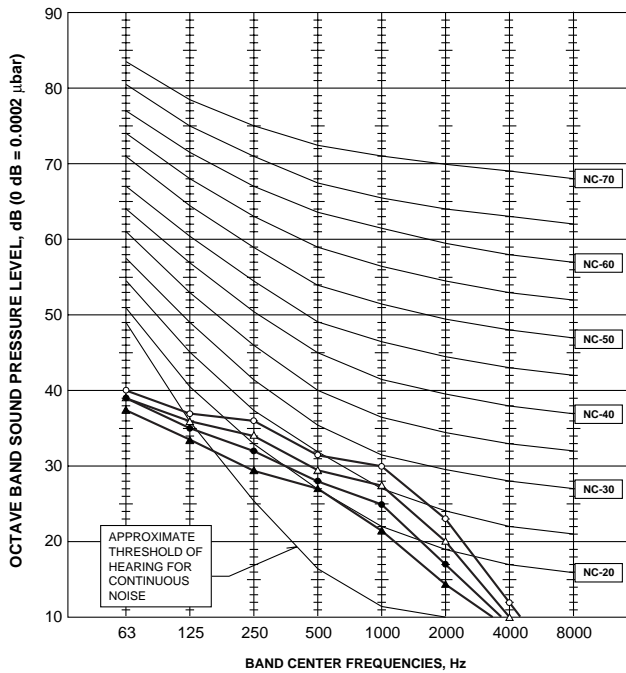
PLA-RP50AA
PLA-RP60AA

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



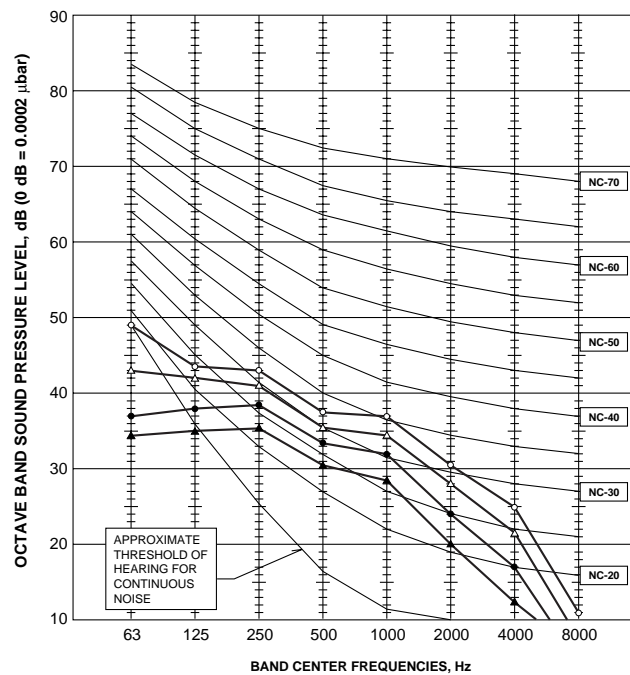
PLA-RP71AA

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



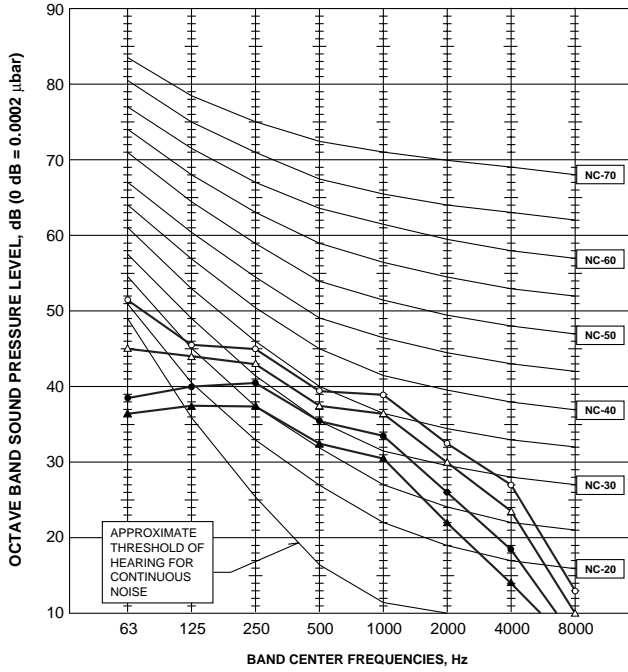
PLA-RP100AA

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



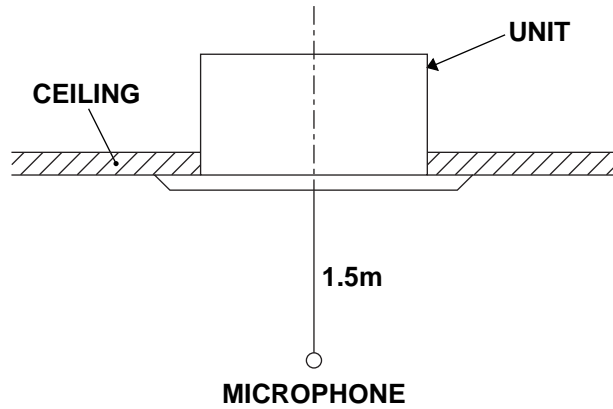
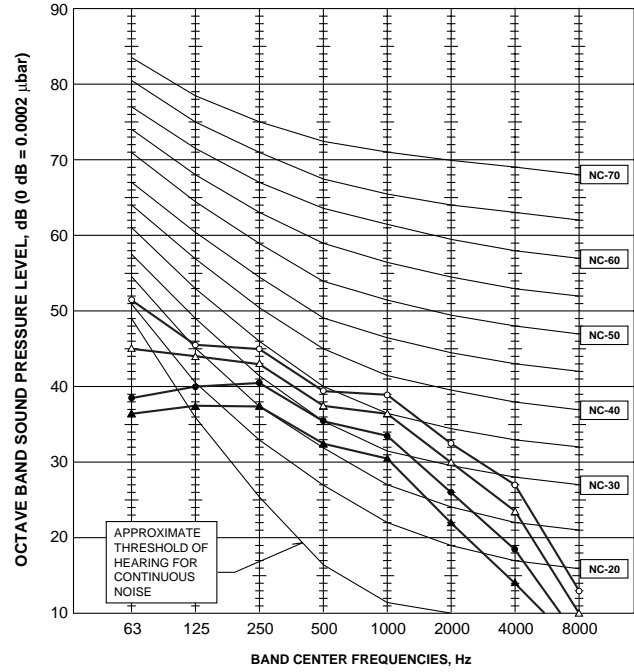
PLA-RP125AA

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

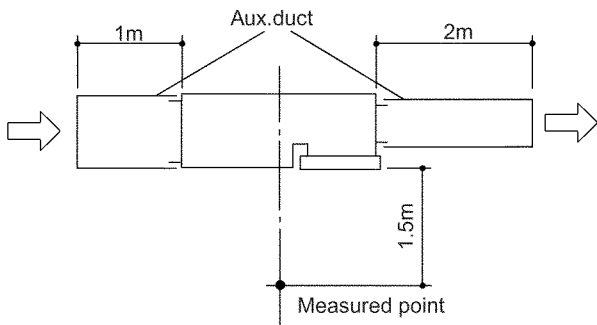


PLA-RP140AA

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



Ceiling concealed

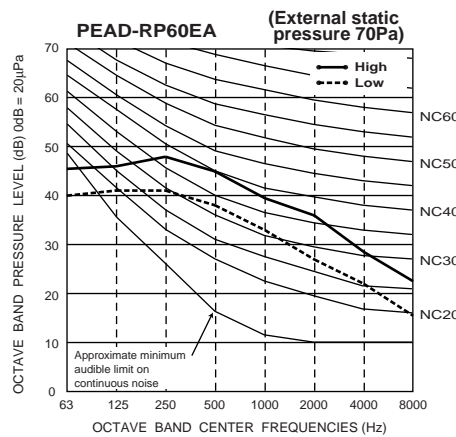
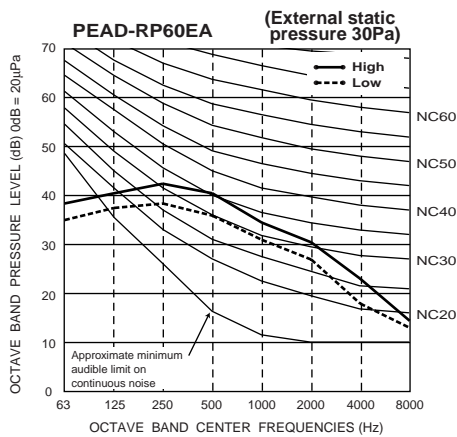
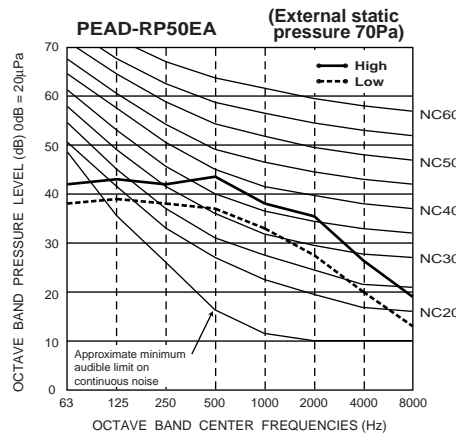
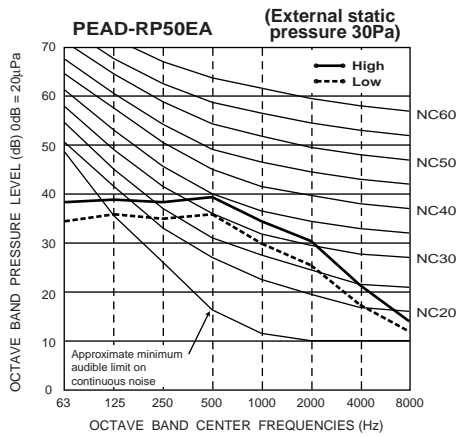
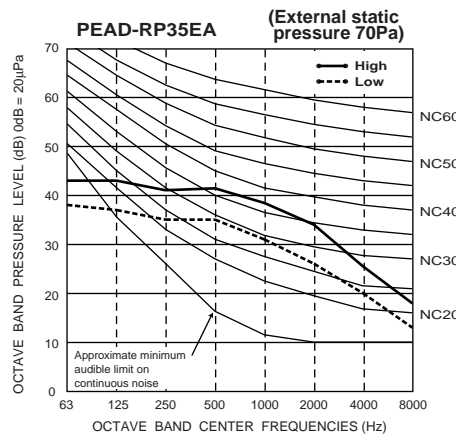
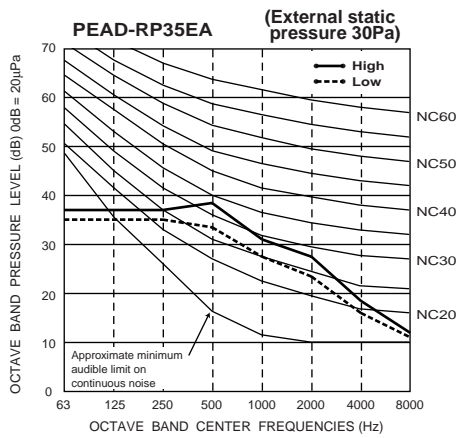


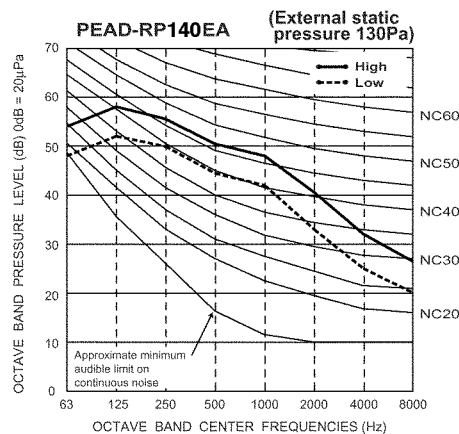
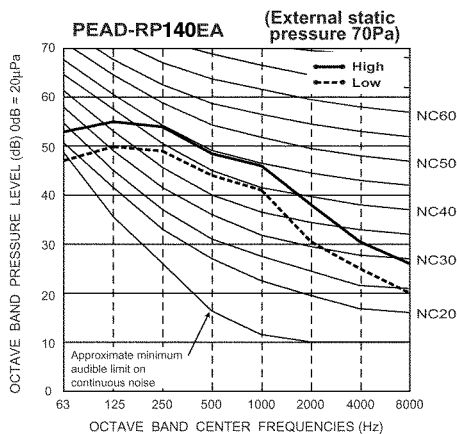
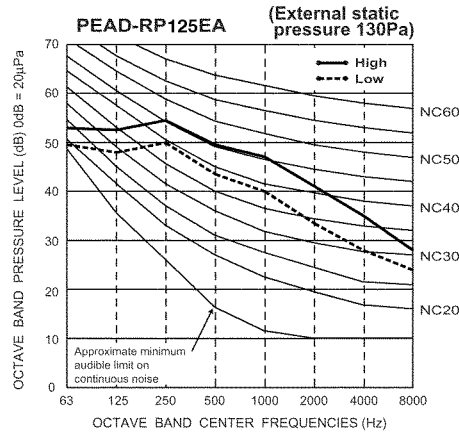
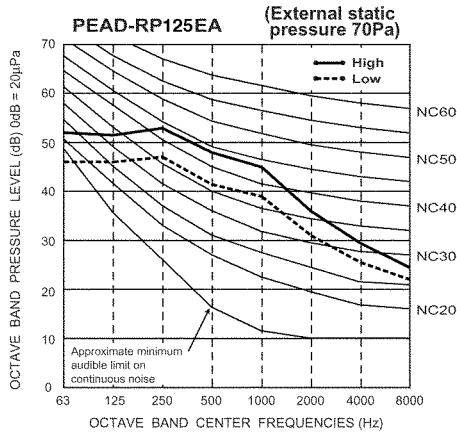
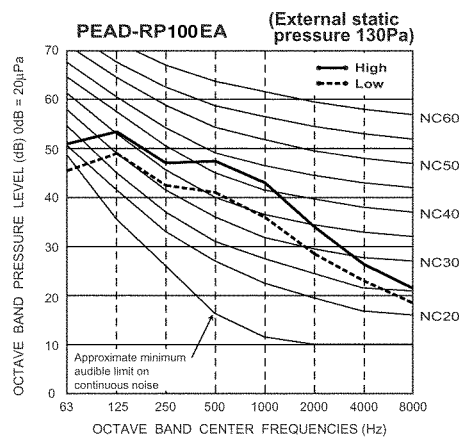
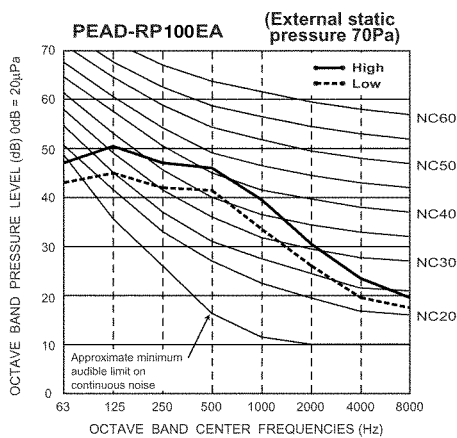
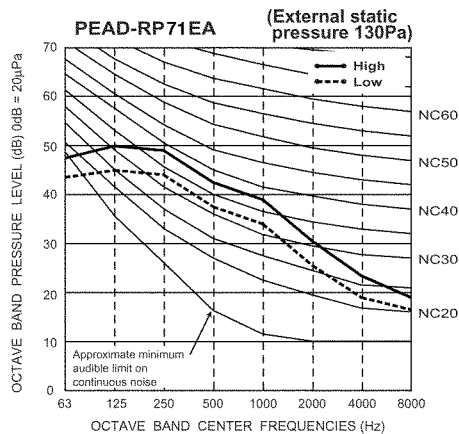
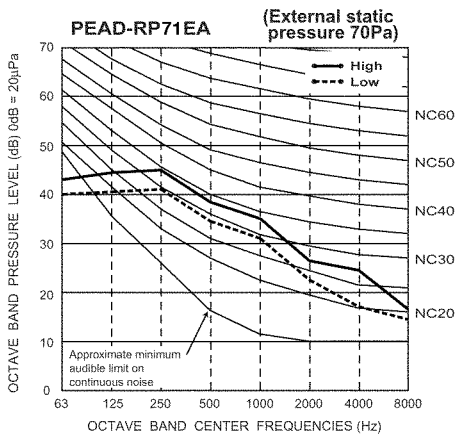
Noise level at anechoic room (Low-High)

Unit : dB(A)

Model	External static pressure		
	30Pa	70Pa	130Pa
PEAD-RP35EA	34-38	36-43	-
PEAD-RP50EA	36-40	38-44	-
PEAD-RP60EA	37-41	39-46	-
PEAD-RP71EA	-	37-41	40-45 *
PEAD-RP100EA	-	41-46	42-48 *
PEAD-RP125EA	-	44-50	46-52 *
PEAD-RP140EA	-	46-51	47-53 *

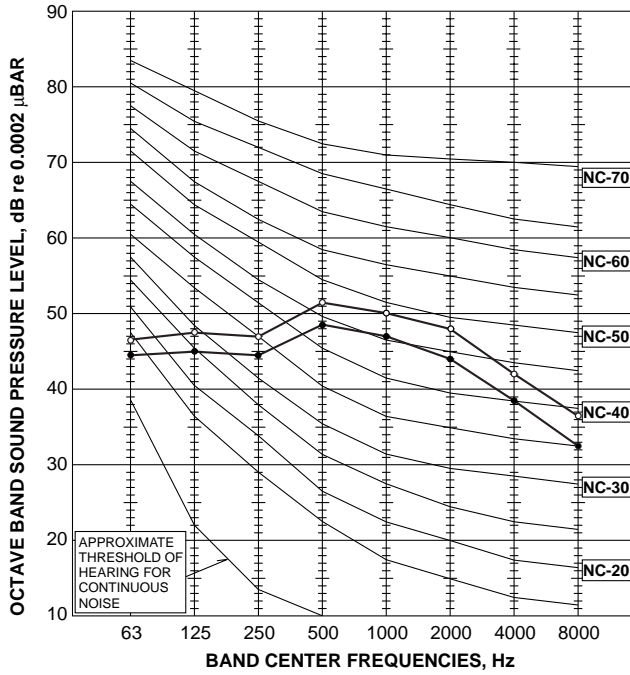
* Optional motor





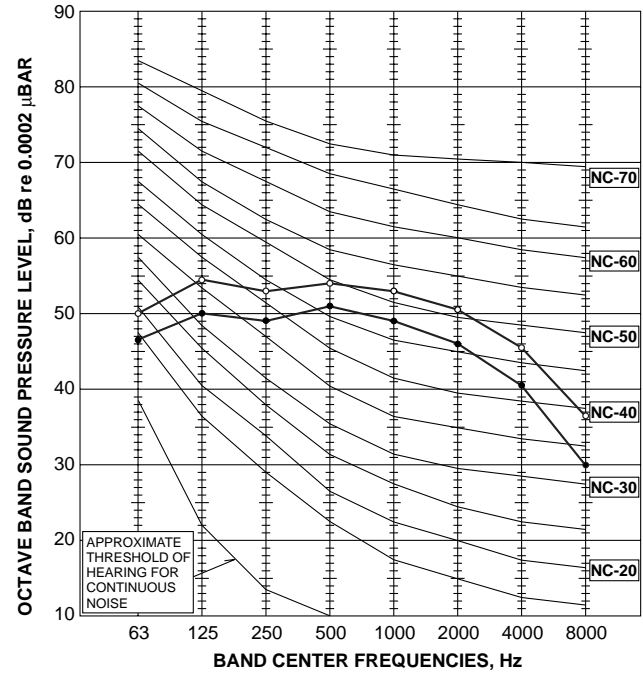
PEA-RP71EA

NOTCH	SPL(dB)	LINE
High	55	○—○
Low	52	●—●



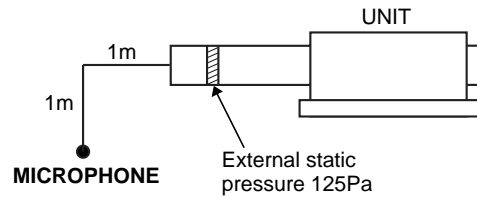
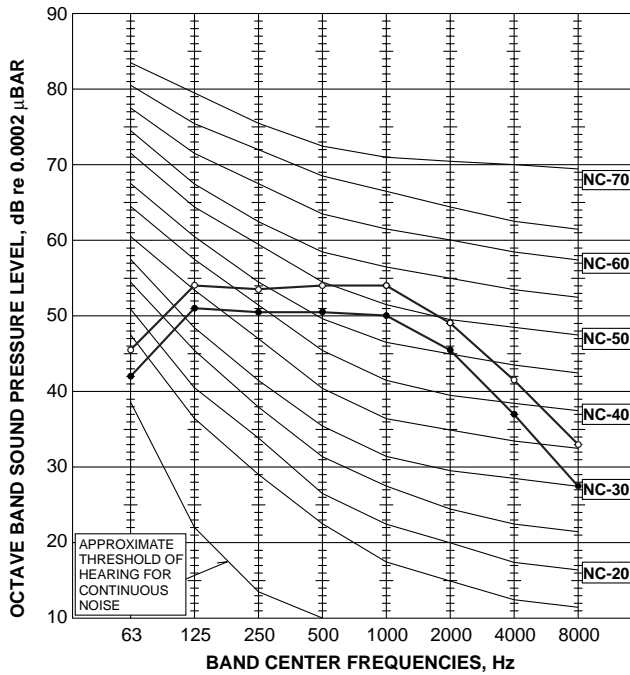
PEA-RP100EA

NOTCH	SPL(dB)	LINE
High	58	○—○
Low	54	●—●



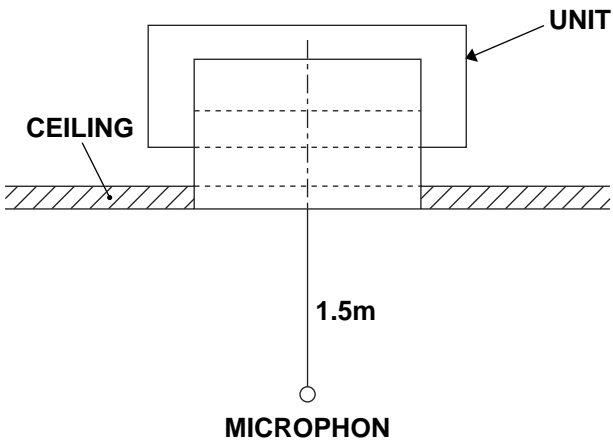
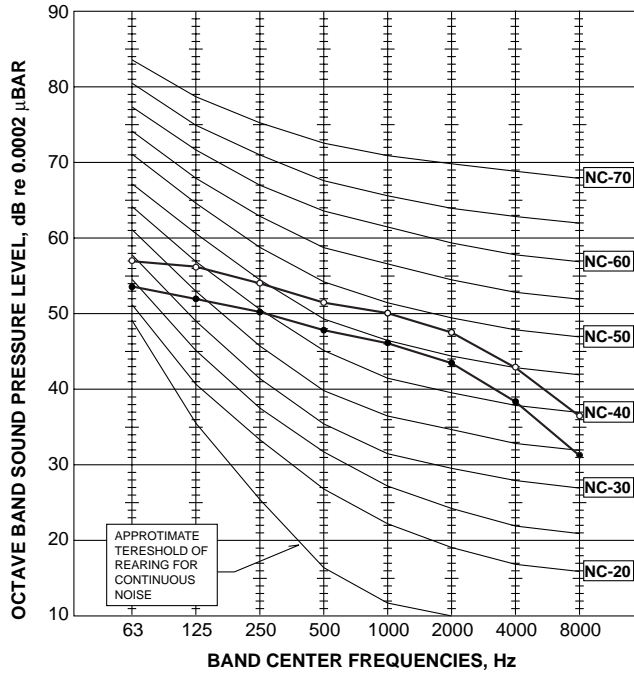
PEA-RP125EA

NOTCH	SPL(dB)	LINE
High	58	○—○
Low	54	●—●



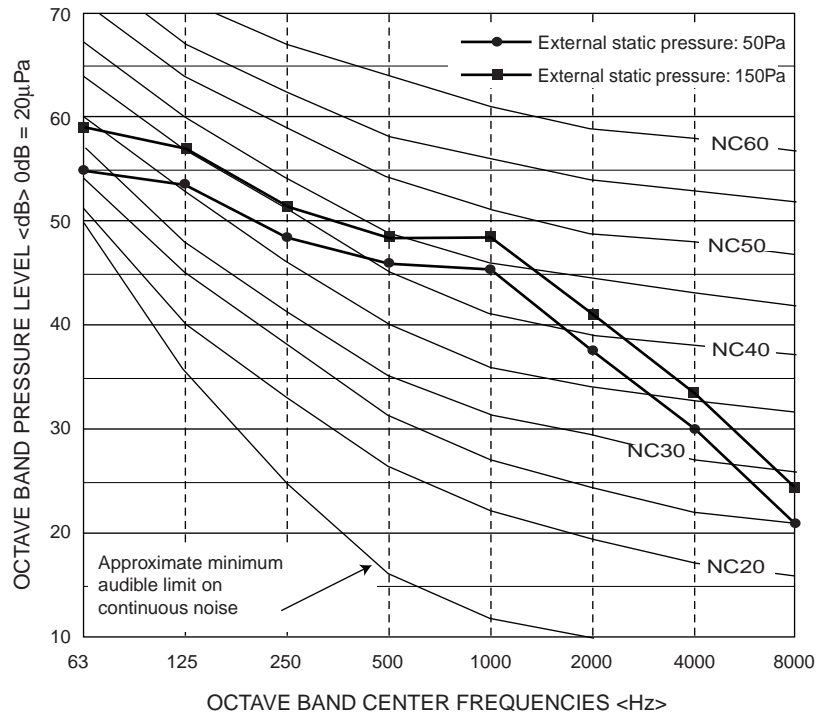
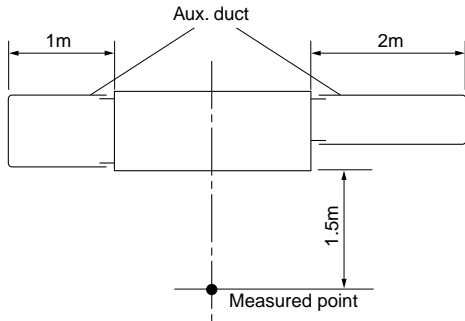
PEA-RP140EA

NOTCH	SPL(dB)	LINE
High	55	○—○
Low	51	●—●



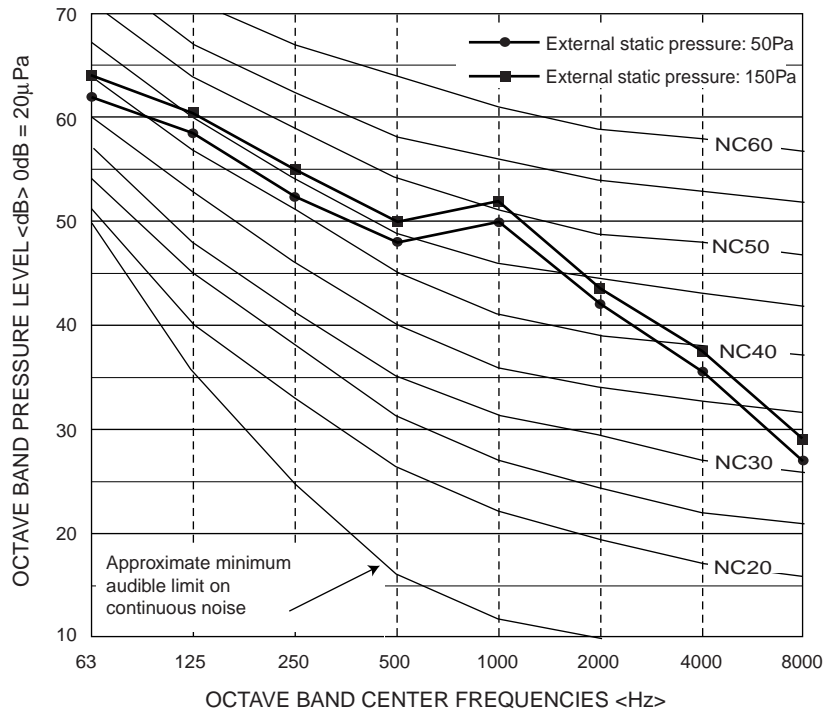
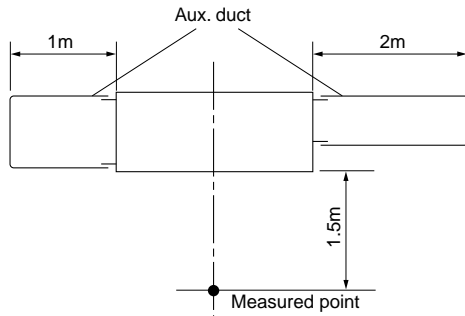
PEH-RP200MYA

Measurement condition



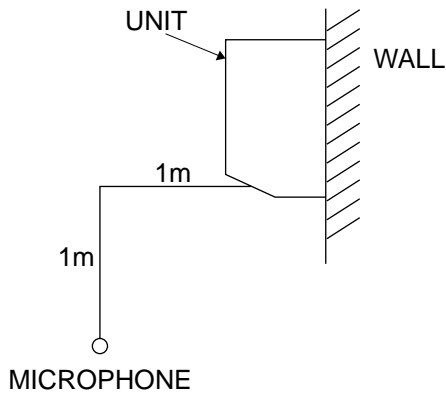
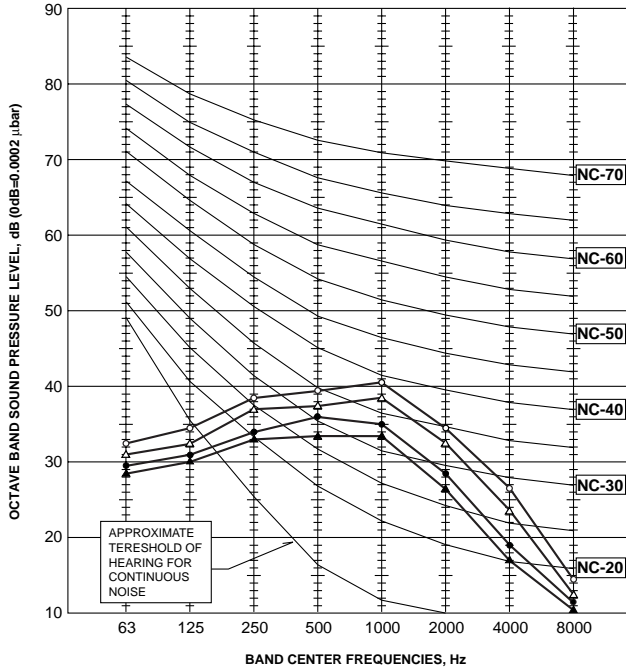
PEH-RP250MYA

Measurement condition



**PKA-RP35GAL
PKA-RP50GAL**

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

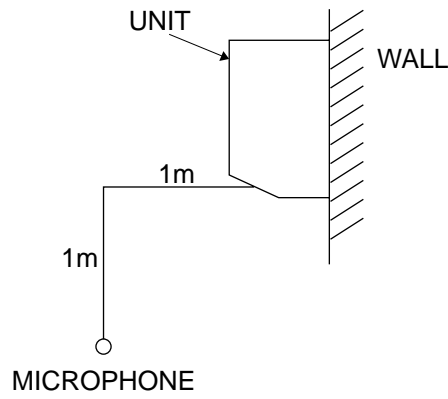
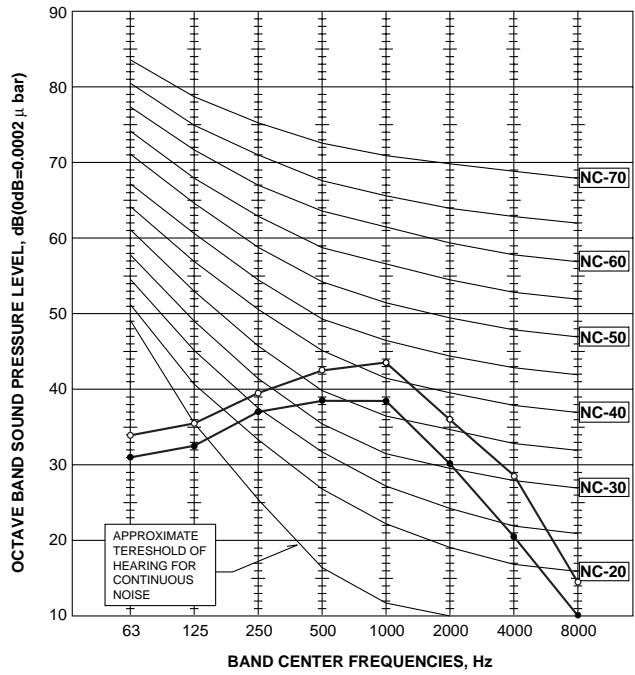
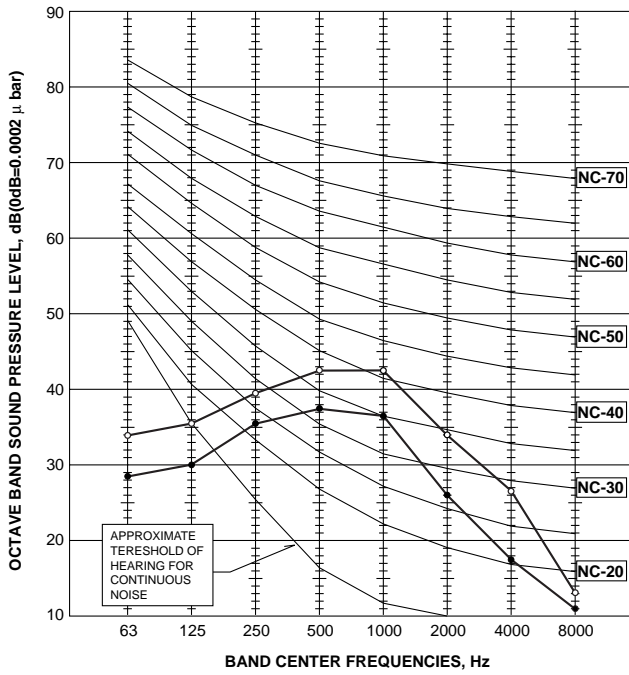


PKA-RP60FAL
PKA-RP71FAL

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

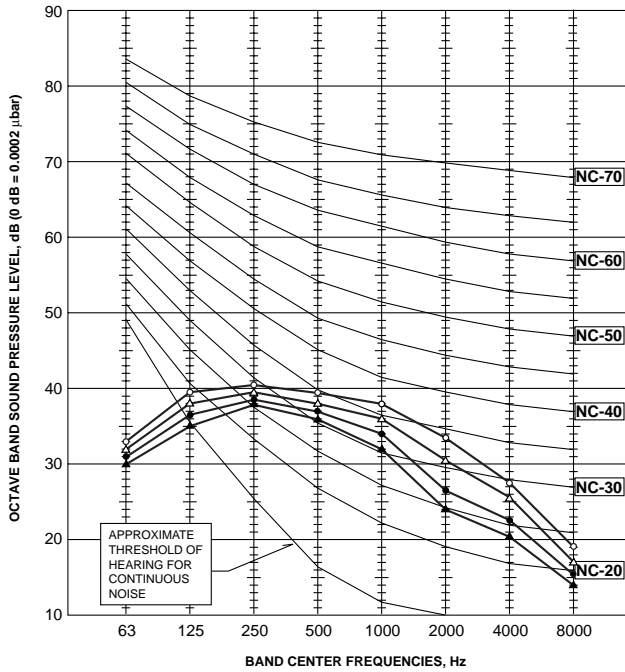
PKA-RP100FAL

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



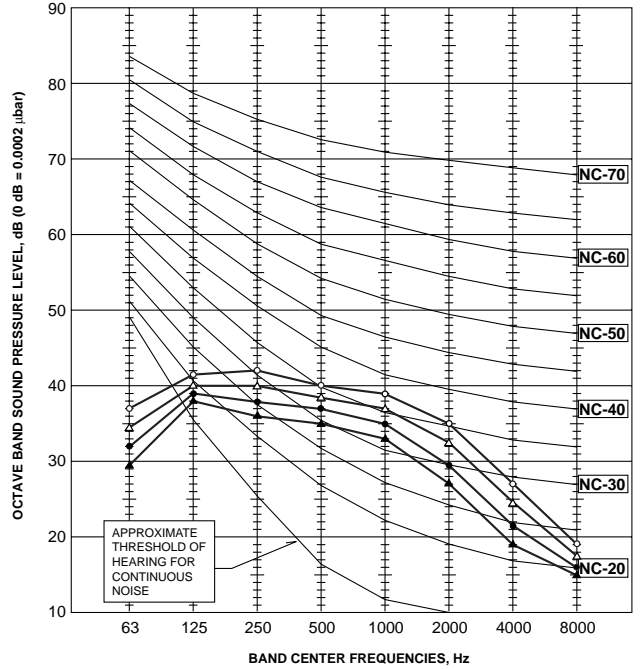
PCA-RP50GA

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



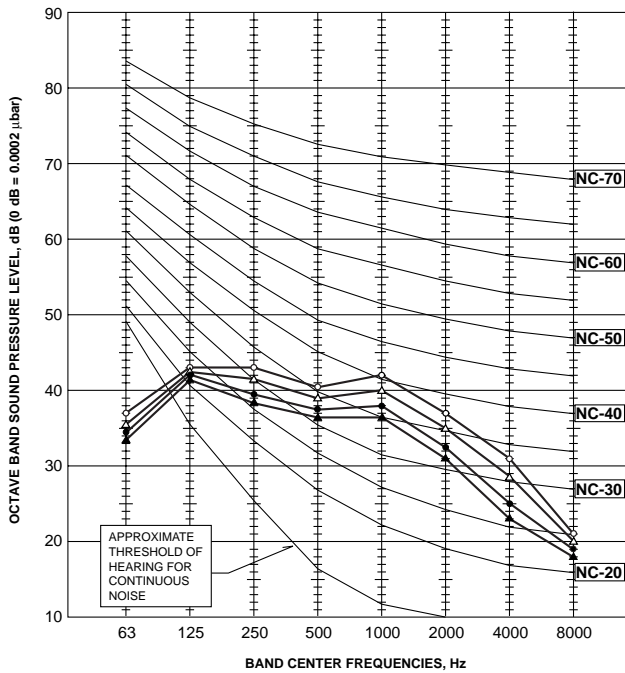
PCA-RP60GA PCA-RP71GA

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



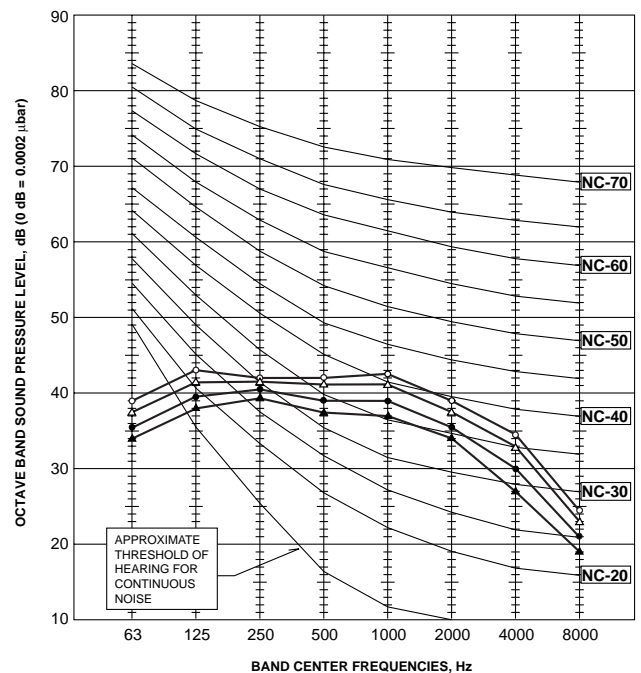
PCA-RP100GA

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



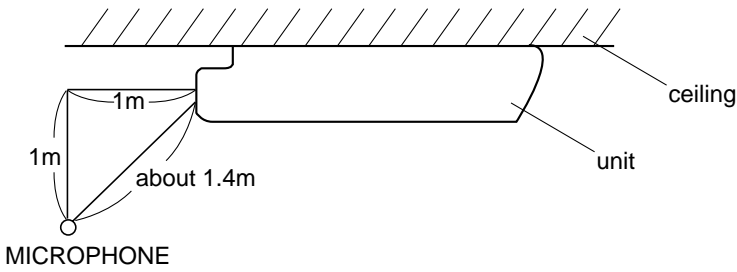
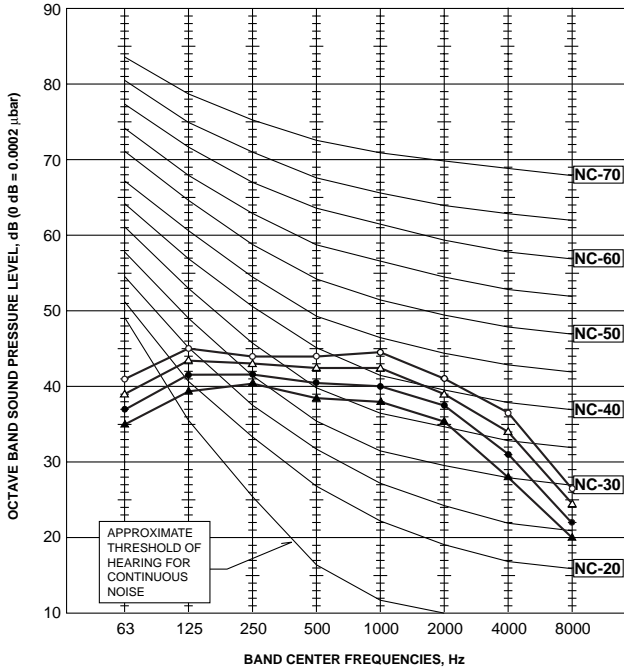
PCA-RP125GA

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



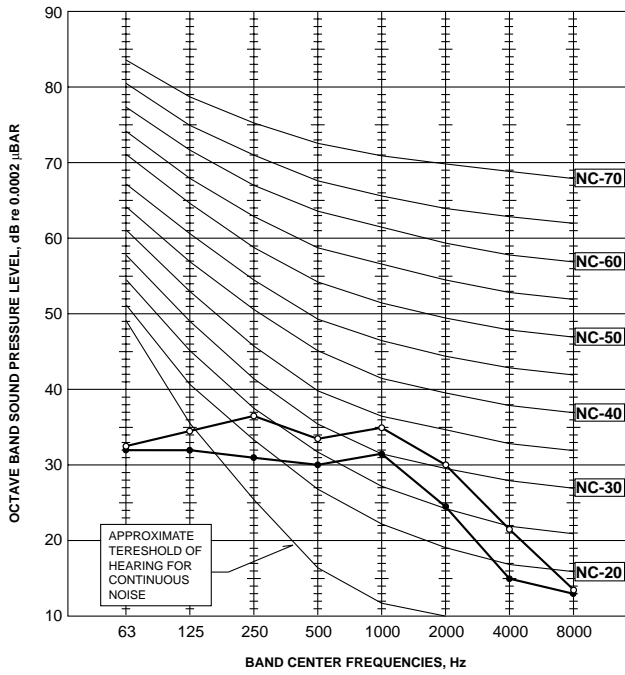
PCA-RP140GA

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



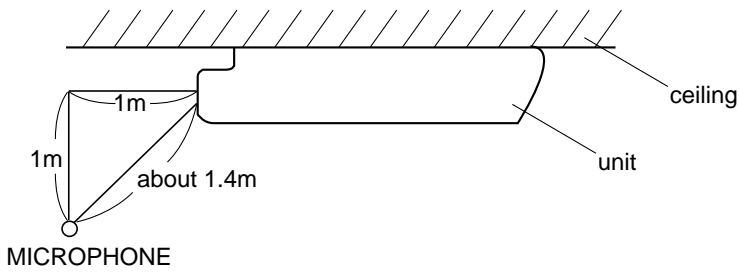
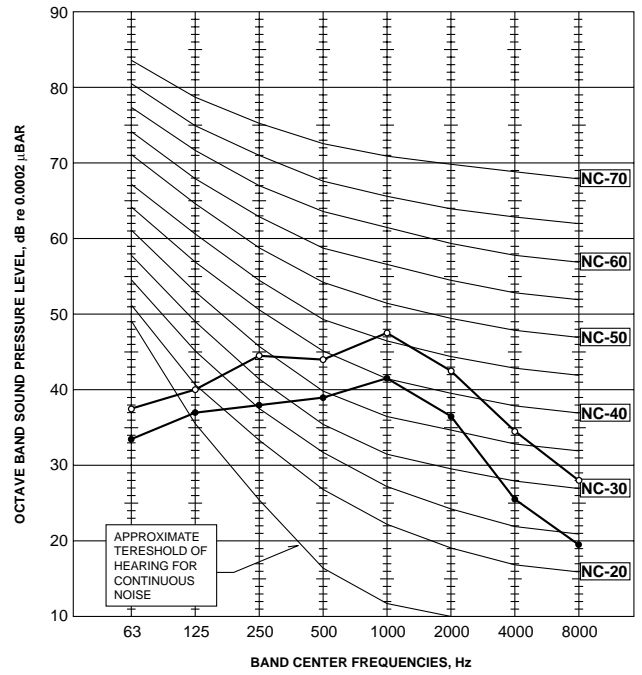
PCA-RP71HA

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



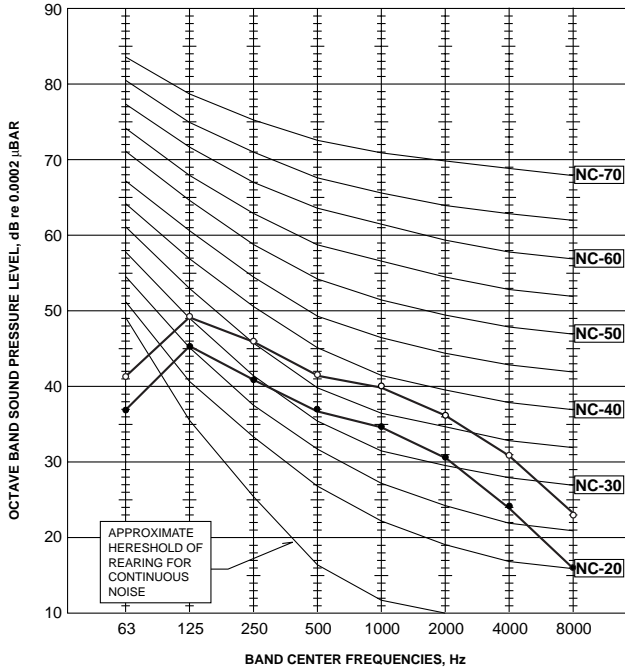
PCA-RP125HA

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



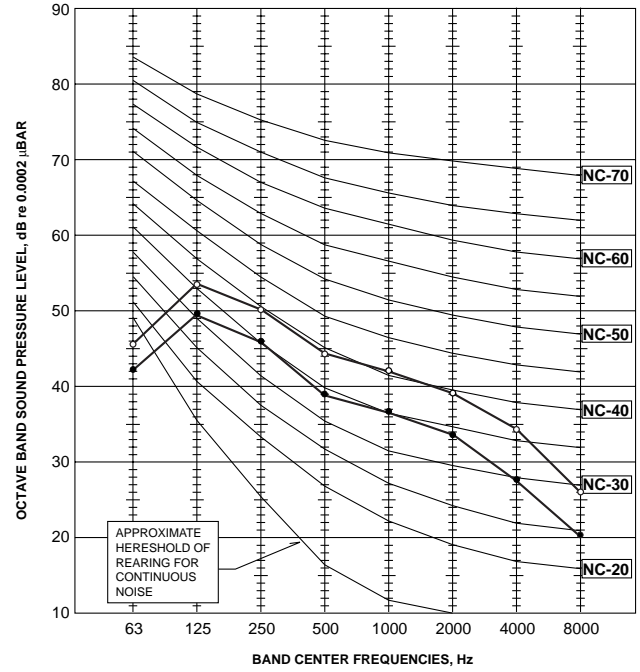
PSA-RP71GA

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



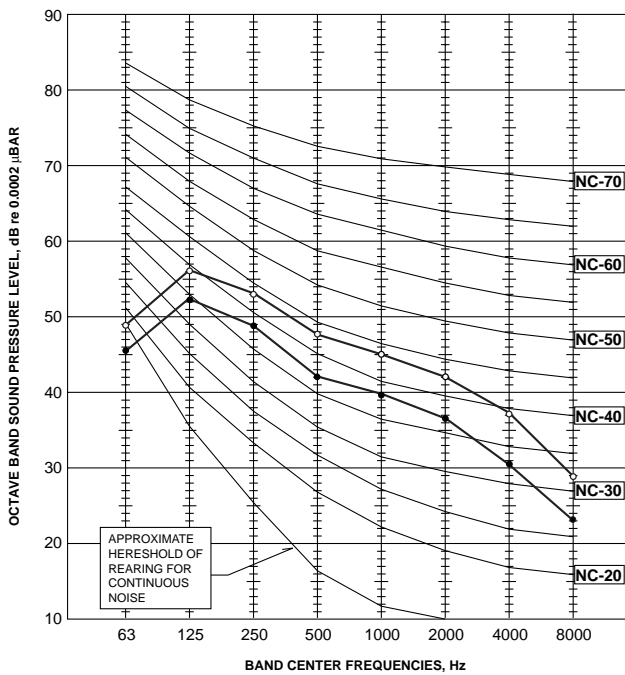
PSA-RP100GA

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



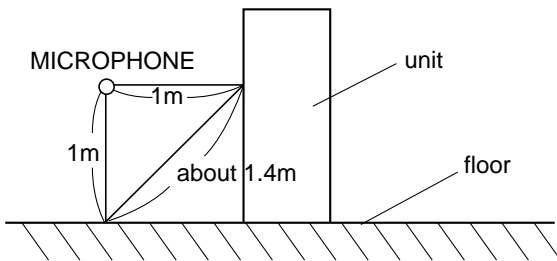
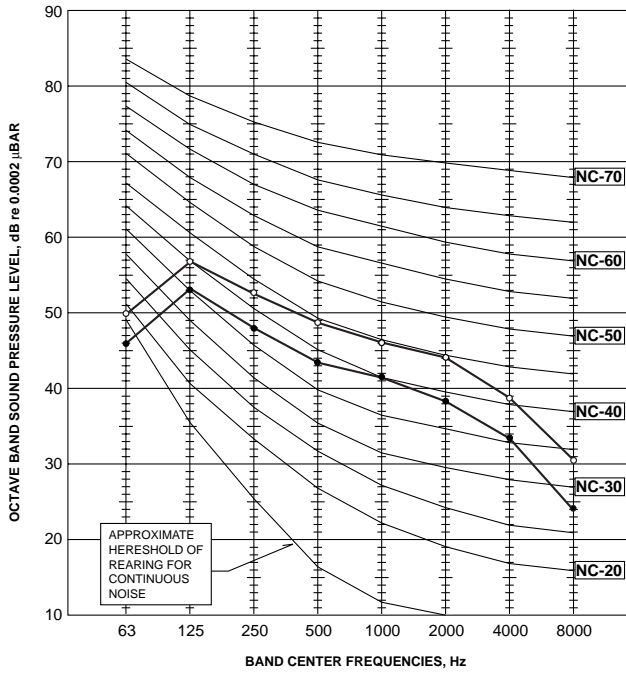
PSA-RP125GA

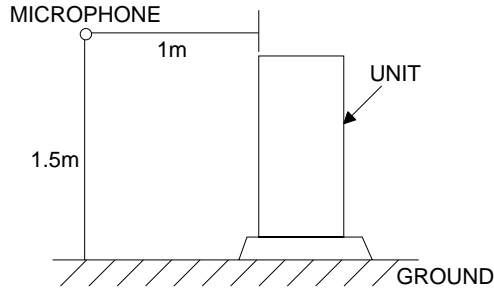
NOTCH	SPL(dB)	LINE
High	51	○—○
Low	46	●—●



PSA-RP140GA

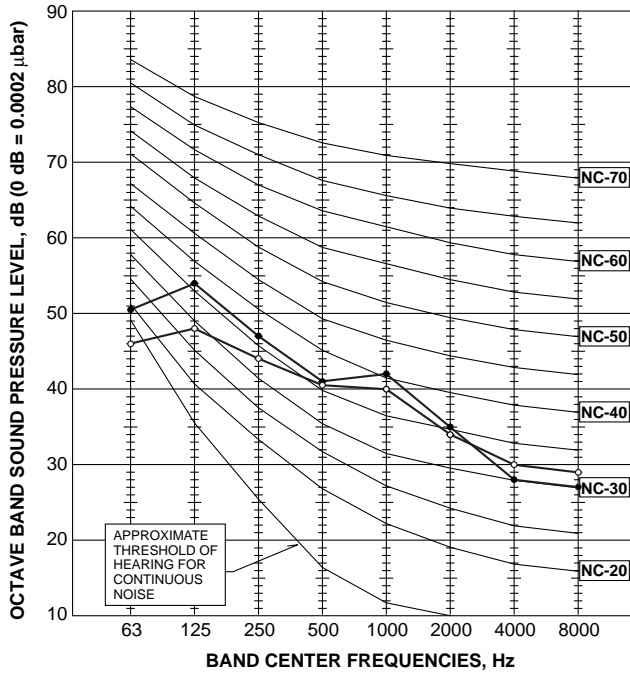
NOTCH	SPL(dB)	LINE
High	52	○—○
Low	47	●—●





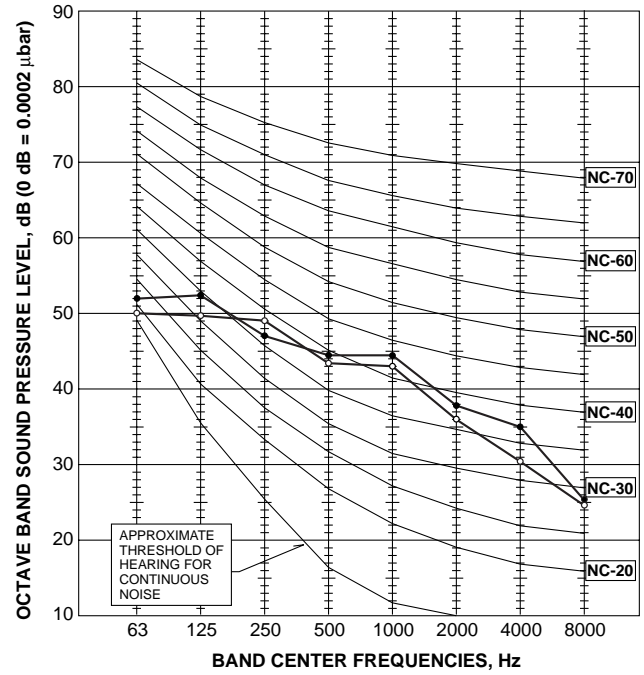
PUHZ-RP35VHA
PUHZ-RP50VHA

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



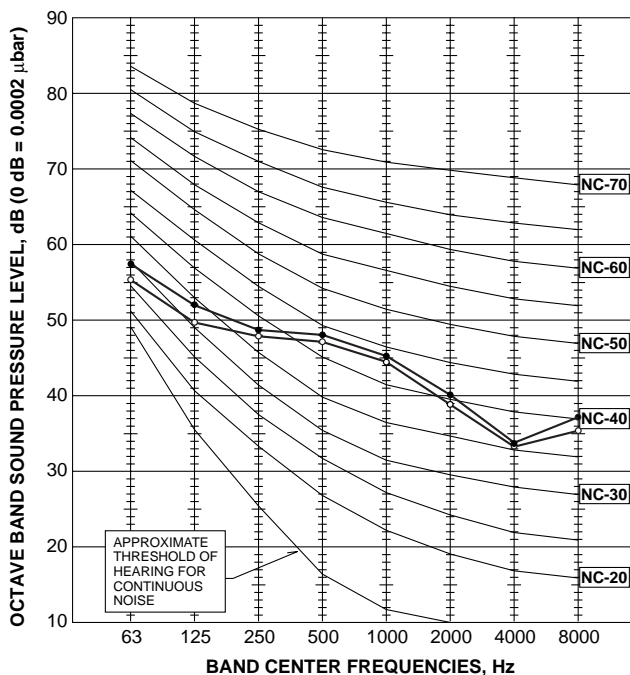
PUHZ-RP60VHA
PUHZ-RP71VHA

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



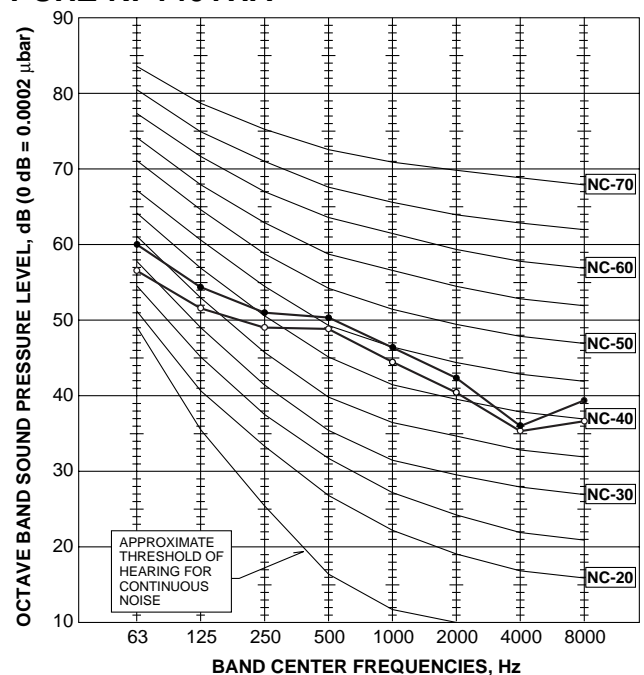
PUHZ-RP100VHA
PUHZ-RP100YHA

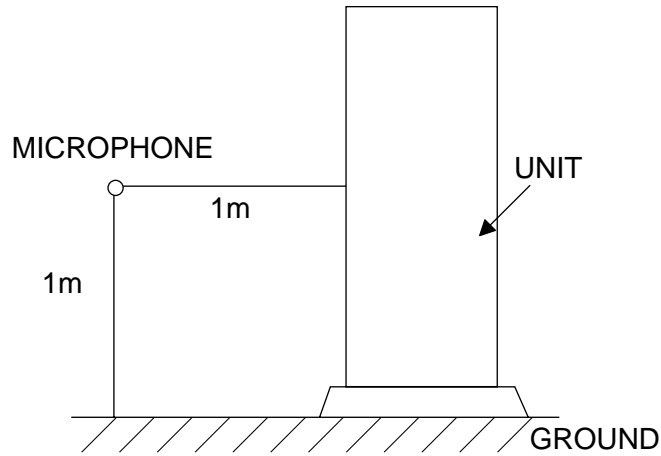
MODE	SPL(dB)	LINE
COOLING	49	○—○
HEATING	51	●—●



PUHZ-RP125VHA
PUHZ-RP140VHA
PUHZ-RP125YHA
PUHZ-RP140YHA

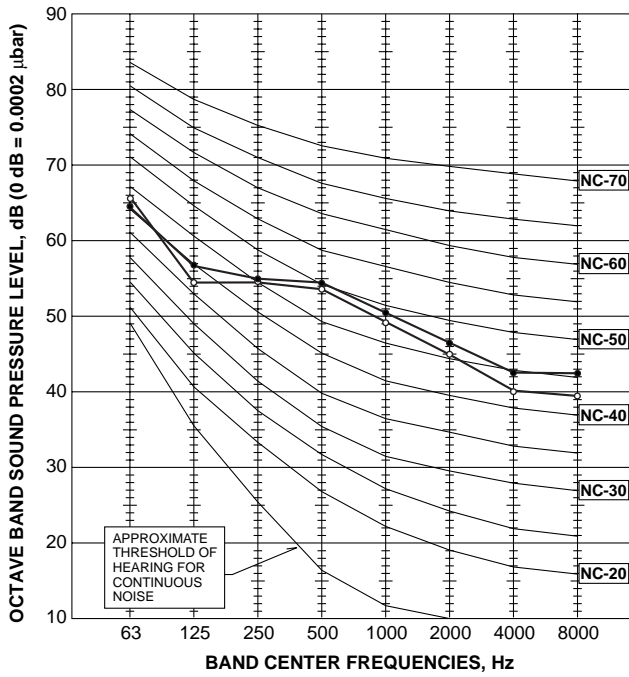
MODE	SPL(dB)	LINE
COOLING	50	○—○
HEATING	52	●—●





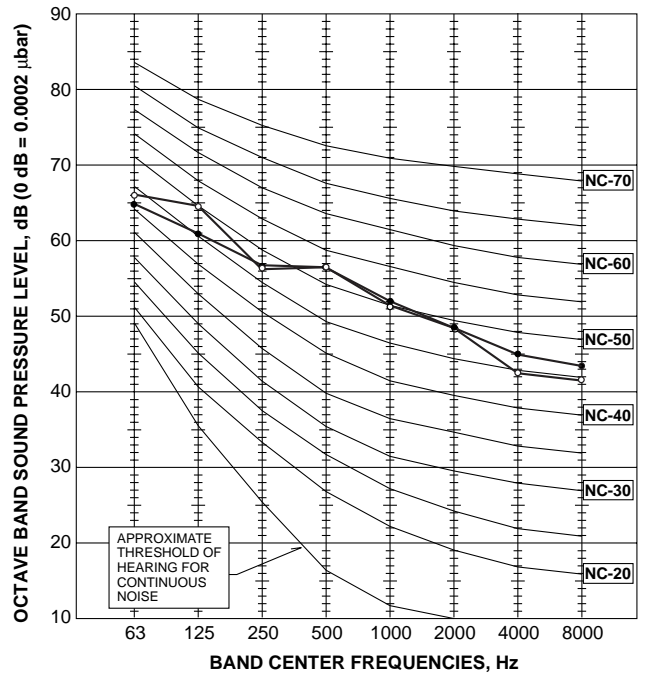
PUHZ-RP200YHA

MODE	SPL(dB)	LINE
COOLING	55.0	○—○
HEATING	56.0	●—●



PUHZ-RP250YHA

MODE	SPL(dB)	LINE
COOLING	58.0	○—○
HEATING	58.0	●—●



11-1. INDOOR UNIT

Part Name		Model Name	Applicable model
Remote sensor		PAC-SE41TS-E	All models
Remote operation adapter		PAC-SF40RM-E	
Remote on/off adapter		PAC-SE55RA-E	
Power supply terminal kit	L/N/Earth	PAC-SG96HR-E	All models except PCA-RP·HA, PEAD-RP·GA, PEH-RP·MYA
	L/N	PAC-SG97HR-E	PCA-RP·HA PEAD-RP·GA
Multi-functional casement		PAC-SG03TM-E	PLA-RP·AA
High-efficiency filter element (PAC-SG03TM-E is needed.)		PAC-SG01KF	
Grille + Wireless remote controller		PLP-6AALM	
Grille + Wired remote controller		PLP-6AAMD	
Air outlet shutter plate (20 set, 2pcs/set)		PAC-SG06SP-E	
Wireless remote controller + Wireless Adapter		PAR-SL99B-E	PCA-RP·GA
Drain lift up mechanism		PAC-SH20DM-E	PCA-RP50,60GA
		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
		PAC-SE82KF-E	PCA-RP125,140GA
Duct flange for fresh air		PAC-SF28OF-E	PCA-RP·HA
Filter element		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
Drain lift up mechanism		PAC-SE90DM-E	PKA-RP·FAL
Motor (for high external static pressure)		PAC-SK005MT-F	PEAD-RP71EA
		PAC-SK004MT-F	PEAD-RP100EA
		PAC-SK003MT-F	PEAD-RP125,140EA
Drain lift up mechanism		PAC-KE03DM-F	PEAD-RP·EA
Insulation kit		PAC-SK010DK	PEAD-RP·GA
Wiring kit		PAC-SK020EC	

11-2. OUTDOOR UNIT

Part Name	Model Name	Applicable model
M-NET adapter	PAC-SF70MA-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-SG57AG-E	PUHZ-RP60-140
	Front, Rear	PAC-SG86AG-E
	Left, Right	PAC-SG87AG-E
Drain pan	PAC-SG63DP-E	PUHZ-RP35, 50
	PAC-SG64DP-E	PUHZ-RP60-140
	PAC-SF60MA-E	PUHZ-RP200, 250
Filter dryer	($\phi 6.35$)	PAC-SG81DR-E
	($\phi 9.52$)	PAC-SG82DR-E
	($\phi 12.7$)	PAC-SG85DR-E
Distribution pipe	(Twin)	MSDD-50SR-E
		MSDD-50WR-E
	(Triple)	MSDT-111R-E
	(Quadruple)	MSDF-1111R-E
Joint pipe (Unit → Extension pipe)	($\phi 6.35 \rightarrow \phi 9.52$)	PAC-SG72RJ-E
	($\phi 9.52 \rightarrow \phi 12.7$)	PAC-SG73RJ-E
	($\phi 15.88 \rightarrow \phi 19.05$)	PAC-SG75RJ-E
Centralized drain kit	PAC-SG92DS-E	PUHZ-RP200, 250

Mr. SLIM™

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