Changes for the Better

MITSUBISHI ELECTRIC

SPLIT-TYPE, HEAT PUMP AIR CONDITIONERS
SPLIT-TYPE, AIR CONDITIONERS

July 2005

No. OCS02

TECHNICAL DATA BOOK R407C

<Indoor unit>

[Model names]

PLA-RP·AA
PMH-P·BA
PEAD-RP·EA
PEAD-RP·GA
PKA-RP·GAL
PKA-RP·FAL
PCA-RP·GA
PCA-RP·HA
PSA-RP·GA

PLH-P·AAH
PEHD-P·EAH
PKH-P·GALH
PKH-P·FALH
PCH-P·GAH
PSH-P·GAH

<Outdoor unit>

[Model names]

PUH-P25/35/50/60/71/100VGAA
PUH-P35/50/60/71/100/125/140YGAA
PU-P35/50/60/71/100VGAA
PU-P35/50/60/71/100/125/140YGAA

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kW Model

Mr.SLIM™

1 REFERENCE SERVICE MANUAL

For information on service 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 PLH-P35/50/60/71AAH PLH-P100/125/140AAH	PLA-RP35/50/60/71AA.UK PLA-RP100/125/140AA.UK PLH-P35/50/60/71AAH.UK PLH-P100/125/140AAH.UK	OC335
PMH-P25/35/50BA	PMH-P25/35/50BA	OC333
PCA-RP50/60/71/100/125/140GA PCH-P50/60/71/100/125/140GAH	PCA-RP50/60/71/100/125/140GA PCH-P50/60/71/100/125/140GAH	OC328
PCA-RP71/125HA	PCA-RP71/125HA	OC329
PKA-RP35/50GAL PKH-P35/50GALH	PKA-RP35/50GAL PKH-P35/50GALH	OC330
PKA-RP60/71/100FAL PKH-P60/71/100FALH	PKA-RP60/71/100FAL PKH-P60/71/100FALH	OC331
PSA-RP71/100/125/140GA PSH-P71/100/125/140GAH	PSA-RP71/100/125/140GA PSH-P71/100/125/140GAH	OC332
PEAD-RP35/50/60/71EA PEAD-RP100/125/140EA	PEAD-RP35/50/60/71EA.UK PEAD-RP100/125/140EA.UK	-
PEHD-P35/50/60/71EAH PEHD-P100/125/140EAH	PEHD-P35/50/60/71EAH.UK PEHD-P100/125/140EAH.UK	-
PEAD-RP60/71/100GA	PEAD-RP60/71/100GA.UK	-

1-2. OUTDOOR UNIT

Model name	Service Ref.	Service Manual No.
PUH-P25/35/50/60/71/100VGAA PUH-P35/50/60/71YGAA PUH-P100/125/140YGAA PU-P35/50/60/71/100VGAA PU-P35/50/60/71YGAA PU-P100/125/140YGAA	PUH-P25/35/50/60/71/100VGAA.UK PUH-P35/50/60/71YGAA.UK PUH-P100/125/140YGAA.UK PU-P35/50/60/71/100VGAA.UK PU-P35/50/60/71YGAA.UK PU-P100/125/140YGAA.UK	OC336

2 SPECIFICATIONS

2-1. CEILING CASSETTE TYPE

2-1-1.HEAT PUMP (without HEATER) AND COOLING ONLY TYPE

Model name	Indoor unit		PLA-RP35AA		PLA-RP50AA	
	Outdoor unit	H/P	PUH-P35VGAA	PUH-P35YGAA	PUH-P50VGAA	PUH-P50YGAA
		C/O	PU-P35VGAA	PU-P35YGAA	PU-P50VGAA	PU-P50YGAA
Cooling	Capacity	Btu/h	15,400		19,100	
		kW	4.5		5.6	
	Total input	kW	1.72		2.53	
	EER		2.62		2.21	
	Energy label class		D		F	
	SHF		0.75		0.82	
Heating *	Capacity	Btu/h	16,900		21,700	
		kW	4.95		6.35	
	Total input	kW	1.70		2.20	
	COP		2.91		2.89	
	Energy label class		D		D	
	Booster heater	kW	-		-	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	16	16	25	16
Indoor unit	Air flow	CMM	11-12-13-14		14-15-16-18	
	(Low-Medium2-Medium1-High)	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	W : mm	840 (950)			
	Unit (Panel)	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	kg	24 (5)			
	Unit (Panel)	lbs	53 (11)			
	Unit drain pipe I.D.	mm	32			
		inch	1-1/4			
Outdoor unit	Air flow	CMM	45		55	
		CFM	1,590		1,940	
	Sound level at cooling	dB(A)	47		48	
	Sound level at heating *	dB(A)	49		50	
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900			
		D : mm	330+20			
		H : mm	650		855	
		W : inch	35-7/16			
		D : inch	13 + 3/4			
		H : inch	25-5/8		33-5/8	
	Weight	kg	54		74	
		lbs	119		163	
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. 40			
	Length	m	Max. 40			

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PLA-RP60AA		PLA-RP71AA	
	Outdoor unit	H/P	PUH-P60VGAA	PUH-P60YGAA	PUH-P71VGAA	PUH-P71YGAA
		C/O	PU-P60VGAA	PU-P60YGAA	PU-P71VGAA	PU-P71YGAA
Cooling	Capacity	Btu/h	22,900		26,300	
		kW	6.7		7.7	
	Total input	kW	2.57		3.42	
	EER		2.61		2.25	
	Energy label class		D		F	
	SHF		0.72		0.74	
Heating *	Capacity	Btu/h	24,900		31,400	
		kW	7.3		9.2	
	Total input	kW	2.40		3.48	
	COP		3.04		2.64	
	Energy label class		D		E	
	Booster heater	kW	-		-	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	25	16	32	16
Indoor unit	Air flow	CMM	14-15-16-18		15-16-18-20	
	(Low-Medium2-Medium1-High)	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	W : mm	840 (950)			
	Unit (Panel)	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	kg	24 (5)			
	Unit (Panel)	lbs	53 (11)			
	Unit drain pipe I.D.	mm	32			
		inch	1-1/4			
Outdoor unit	Air flow	CMM	50			
		CFM	1,770			
	Sound level at cooling	dB(A)	48		49	
	Sound level at heating*	dB(A)	50		51	
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900			
		D : mm	330+20			
		H : mm	855			
		W : inch	35-7/16			
		D : inch	13 + 3/4			
		H : inch	33-5/8			
	Weight	kg	79			
		lbs	174			
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. 50			
	Length	m	Max. 50			

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PLA-RP100AA		PLA-RP125AA	PLA-RP140AA
	Outdoor unit	H/P	PUH-P100VGAA	PUH-P100YGAA	PUH-P125YGAA	PUH-P140YGAA
		C/O	PU-P100VGAA	PU-P100YGAA	PU-P125YGAA	PU-P140YGAA
Cooling	Capacity	Btu/h	32,800		45,400	48,500
		kW	9.6		13.3	14.2
	Total input	kW	3.68		5.09	5.90
	EER		2.61		2.61	2.41
	Energy label class		D		D	E
	SHF		0.78		0.72	0.69
Heating *	Capacity	Btu/h	35,800		53,200	58,000
		kW	10.5		15.6	17.0
	Total input	kW	3.91		5.54	6.35
	COP		2.69		2.82	2.68
	Energy label class		E		D	E
	Booster heater	kW	-		-	-
Power supply	Phase	ϕ	1	3	3	
	Cycle	Hz	50	50	50	
	Voltage	V	230	400	400	
	Breaker size	A	32	16	25	
Indoor unit	Air flow	CMM	20-23-26-28		22-25-28-30	
	(Low-Medium2-Medium1-High)	CFM	705-810-920-990		775-880-990-1060	
	External pressure	Pa	0			
	Sound level (Low-Medium2-Medium1-High)	dB(A)	33-36-39-41		37-40-43-45	
	External finish (Panel)		White Munsell 0.70Y 8.59/0.97			
	Dimension	W : mm	840 (950)			
	Unit (Panel)	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	kg	30 (5)		32(5)	
	Unit (Panel)	lbs	66 (11)		71(11)	
	Unit drain pipe I.D.	mm	32			
		inch	1-1/4			
Outdoor unit	Air flow	CMM	85		95	100
		CFM	3,000		3,360	3,530
	Sound level at cooling	dB(A)	51		55	57
	Sound level at heating*	dB(A)	53		56	58
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900		1050	
		D : mm	330+20			
		H : mm	1260			
		W : inch	35-7/16		41-5/16	
		D : inch	13 + 3/4			
		H : inch	49-5/8			
	Weight	kg	97		125	
		lbs	214		276	
Refrigerant pipe size	Gas side O.D.	mm	19.05			
		inch	3/4			
	Liquid side O.D.	mm	9.52			
		inch	3/8			
Refrigerant pipe length	Height difference	m	Max. 50			
	Length	m	Max. 50			

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80˚F) W.B. 19℃ (66˚F) Outdoor : D.B. 35℃ (95˚F) W.B. 24℃ (75˚F)
Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
198~264V, 50Hz : Single phase
342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

2-1-2.HEAT PUMP (with HEATER) TYPE

Model name	Indoor unit		PLH-P35AAH		PLH-P50AAH	
	Outdoor unit		PUH-P35VGAA	PUH-P35YGAA	PUH-P50VGAA	PUH-P50YGAA
Cooling	Capacity	Btu/h	15,400		19,100	
		kW	4.5		5.6	
	Total input	kW	1.72		2.53	
	EER		2.62		2.21	
	Energy label class		D		F	
	SHF		0.75		0.82	
Heating	Capacity	Btu/h	16,900		21,700	
		kW	4.95		6.35	
	Total input	kW	1.70		2.20	
	COP		2.91		2.89	
	Energy label class		D		D	
	Booster heater	kW	1.29		1.29	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	16	16	25	16
Power supply for heater	Phase	ϕ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	16			
Indoor unit	Air flow	CMM	11-12-13-14		14-15-16-18	
	(Low-Medium2-Medium1-High)	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	26(5)			
		lbs	57 (11)			
	Unit drain pipe I.D.	mm	32			
		inch	1-1/4			
Outdoor unit	Air flow	CMM	45		55	
		CFM	1,590		1,940	
	Sound level at cooling	dB(A)	47		48	
	Sound level at heating	dB(A)	49		50	
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900			
		D : mm	330+20			
		H : mm	650		855	
		W : inch	35-7/16			
		D : inch	13 + 3/4			
		H : inch	25-5/8		33-5/8	
	Weight	kg	54		74	
		lbs	119		163	
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. 40			
	Length	m	Max. 40			

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80˚F) W.B. 19℃ (66˚F) Outdoor : D.B. 35℃ (95˚F) W.B. 24℃ (75˚F)
Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
198~264V, 50Hz : Single phase
342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PLH-P60AAH		PLH-P71AAH	
	Outdoor unit		PUH-P60VGAA	PUH-P60YGAA	PUH-P71VGAA	PUH-P71YGAA
Cooling	Capacity	Btu/h	22,900		26,300	
		kW	6.7		7.7	
	Total input	kW	2.57		3.42	
	EER		2.61		2.25	
	Energy label class		D		F	
	SHF		0.72		0.74	
Heating	Capacity	Btu/h	24,900		31,400	
		kW	7.3		9.2	
	Total input	kW	2.40		3.48	
	COP		3.04		2.64	
	Energy label class		D		E	
	Booster heater	kW	1.93		1.93	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	25	16	32	16
Power supply for heater	Phase	ϕ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	16			
Indoor unit	Air flow	CMM	14-15-16-18		15-16-18-20	
	(Low-Medium2-Medium1-High)	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	26(5)			
		lbs	57 (11)			
	Unit drain pipe I.D.	mm	32			
		inch	1-1/4			
Outdoor unit	Air flow	CMM	50			
		CFM	1,770			
	Sound level at cooling	dB(A)	48		49	
	Sound level at heating	dB(A)	50		51	
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900			
		D : mm	330+20			
		H : mm	855			
		W : inch	35-7/16			
		D : inch	13 + 3/4			
		H : inch	33-5/8			
	Weight	kg	79			
		lbs	174			
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. 50			
	Length	m	Max. 50			

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PLH-P100AAH		PLH-P125AAH	PLH-P140AAH
	Outdoor unit		PUH-P100VGAA	PUH-P100YGAA	PUH-P125YGAA	PUH-P140YGAA
Cooling	Capacity	Btu/h	32,800		45,400	48,500
		kW	9.6		13.3	14.2
	Total input	kW	3.68		5.09	5.90
	EER		2.61		2.61	2.41
	Energy label class		D		D	E
	SHF		0.78		0.72	0.69
Heating	Capacity	Btu/h	35,800		53,200	58,000
		kW	10.5		15.6	17.0
	Total input	kW	3.91		5.54	6.35
	COP		2.69		2.82	2.68
	Energy label class		E		D	E
	Booster heater	kW	2.39		2.76	2.76
Power supply	Phase	ϕ	1	3	3	
	Cycle	Hz	50	50	50	
	Voltage	V	230	400	400	
	Breaker size	A	32	16	25	
Power supply for heater	Phase	ϕ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	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		775-880-990-1060	
	External pressure	Pa	0			
	Sound level (Low-Medium2-Medium1-High)	dB(A)	33-36-39-41		37-40-43-45	
	External finish (Panel)		White Munsell 0.70Y 8.59/0.97			
	Dimension Unit (Panel)	W : mm	840 (950)			
		D : mm	840 (950)			
		H : mm	298 (30)			
		W : inch	33-1/16 (37-3/8)			
		D : inch	33-1/16 (37-3/8)			
		H : inch	11-3/4 (1-3/16)			
	Weight Unit (Panel)	kg	32 (5)		34(5)	
		lbs	71 (11)		75(11)	
	Unit drain pipe I.D.	mm	32			
		inch	1-1/4			
Outdoor unit	Air flow	CMM	85		95	100
		CFM	3,000		3,360	3,530
	Sound level at cooling	dB(A)	51		55	57
	Sound level at heating	dB(A)	53		56	58
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900		1050	
		D : mm	330+20			
		H : mm	1260			
		W : inch	35-7/16		41-5/16	
		D : inch	13 + 3/4			
		H : inch	49-5/8			
	Weight	kg	97		125	
		lbs	214		276	
Refrigerant pipe size	Gas side O.D.	mm	19.05			
		inch	3/4			
	Liquid side O.D.	mm	9.52			
		inch	3/8			
Refrigerant pipe length	Height difference	m	Max. 50			
	Length	m	Max. 50			

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

2-1-3.HEAT PUMP (without HEATER) TYPE (PMH series)

Model name	Indoor unit		PMH-P25BA	PMH-P35BA	
	Outdoor unit		PUH-P25VGAA	PUH-P35VGAA	PUH-P35YGAA
Cooling	Capacity	Btu/h	10,600	14,800	
		kW	3.1	4.35	
	Total input	kW	1.14	1.66	
	EER		2.72	2.62	
	Energy label class		D	D	
	SHF		0.77	0.70	
Heating	Capacity	Btu/h	11,400	16,900	
		kW	3.35	4.95	
	Total input	kW	1.05	1.64	
	COP		3.19	3.02	
	Energy label class		D	D	
	Booster heater	kW	-	-	
Power supply	Phase	ϕ	1		3
	Cycle	Hz	50		50
	Voltage	V	230		400
	Breaker size	A	16		16
Indoor unit	Air flow	CMM	6.3-6.8-7.6-8.4	7-8-9-10	
	(Low-Medium2-Medium1-High)	CFM	220-240-270-300	250-280-320-350	
	External pressure	Pa	0		
	Sound level (Low-Medium2-Medium1-High)	dB(A)	29-31-33-35	34-36-38-40	
	External finish (Panel)		White Munsell 0.98Y 8.99/0.63		
	Dimension Unit (Panel)	W : mm	854(1000)		
		D : mm	395(470)		
		H : mm	230(30)		
		W : inch	33-5/8(39-3/8)		
		D : inch	15-9/16(18-1/2)		
		H : inch	9-1/16(1-3/16)		
	Weight Unit (Panel)	kg	14(3)		
		lbs	31(6.6)		
	Unit drain pipe I.D.	mm	26		
		inch	1		
Outdoor unit	Air flow	CMM	45		
		CFM	1,590		
	Sound level at cooling	dB(A)	47		
	Sound level at heating	dB(A)	49		
	External finish		Ivory Munsell 5Y 7/1		
	Dimension	W : mm	900		
		D : mm	330+20		
		H : mm	650		
		W : inch	35-7/16		
		D : inch	13 + 3/4		
		H : inch	25-5/8		
	Weight	kg	50	54	
		lbs	110	119	
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	Max. 40	
	Length	m	Max. 30	Max. 40	

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PMH-P50BA	
	Outdoor unit		PUH-P50VGAA	PUH-P50YGAA
Cooling	Capacity	Btu/h	18,300	
		kW	5.35	
	Total input	kW	2.31	
	EER		2.32	
	Energy label class		F	
	SHF		0.67	
Heating	Capacity	Btu/h	21,200	
		kW	6.2	
	Total input	kW	2.37	
	COP		2.62	
	Energy label class		E	
	Booster heater	kW	-	
Power supply	Phase	ϕ	1	3
	Cycle	Hz	50	50
	Voltage	V	230	400
	Breaker size	A	25	16
Indoor unit	Air flow	CMM	8-9-10-11	
	(Low-Medium2-Medium1-High)	CFM	282-318-353-388	
	External pressure	Pa	0	
	Sound level (Low-Medium2-Medium1-High)	dB(A)	36-38-40-42	
	External finish (Panel)		White Munsell 0.98Y 8.99/0.63	
	Dimension Unit (Panel)	W : mm	854(1000)	
		D : mm	395(470)	
		H : mm	230(30)	
		W : inch	33-5/8(39-3/8)	
		D : inch	15-9/16(18-1/2)	
		H : inch	9-1/16(1-3/16)	
	Weight Unit (Panel)	kg	14(3)	
		lbs	31(6.6)	
	Unit drain pipe I.D.	mm	26	
		inch	1	
Outdoor unit	Air flow	CMM	55	
		CFM	1,940	
	Sound level at cooling	dB(A)	48	
	Sound level at heating	dB(A)	50	
	External finish		Ivory Munsell 5Y 7/1	
	Dimension	W : mm	900	
		D : mm	330+20	
		H : mm	855	
		W : inch	35-7/16	
		D : inch	13 + 3/4	
		H : inch	33-5/8	
	Weight	kg	74	
		lbs	163	
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. 40	
	Length	m	Max. 40	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80˚F) W.B. 19℃ (66˚F) Outdoor : D.B. 35℃ (95˚F) W.B. 24℃ (75˚F)
Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
198~264V, 50Hz : Single phase
342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

2-2. CEILING-CONCEALED TYPE

2-2-1.HEAT PUMP (without HEATER) AND COOLING ONLY TYPE

Model name	Indoor unit		PEAD-RP35EA		PEAD-RP50EA	
	Outdoor unit	H/P	PUH-P35VGAA	PUH-P35YGAA	PUH-P50VGAA	PUH-P50YGAA
		C/O	PU-P35VGAA	PU-P35YGAA	PU-P50VGAA	PU-P50YGAA
Cooling	Capacity	Btu/h	15,100		19,100	
		kW	4.45		5.6	
	Total input	kW	1.71		2.53	
	EER		2.60		2.21	
	Energy label class		E		F	
	SHF		0.72		0.74	
Heating *	Capacity	Btu/h	16,500		21,400	
		kW	4.85		6.3	
	Total input	kW	1.73		2.20	
	COP		2.80		2.86	
	Energy label class		E		D	
	Booster heater	kW	-		-	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	16	16	25	16
Indoor unit	Air flow	CMM	11-14		13.5-17	
	(Low-High)	CFM	388-494		476-600	
	External pressure	Pa	30(70)			
	Sound level (Low-High)	dB(A)	34-38 (70Pa : 36-43)		36-40 (70Pa : 38-44)	
	External finish		Galvanized sheets			
	Dimension	W : mm	935			
		D : mm	700			
		H : mm	295			
		W : inch	36-13/16			
		D : inch	27-5/8			
		H : inch	11-5/8			
	Weight	kg	33		35	
		lbs	73		77	
	Unit drain pipe		R1(External thread)			
Outdoor unit	Air flow	CMM	45		55	
		CFM	1,590		1,940	
	Sound level at cooling	dB(A)	47		48	
	Sound level at heating *	dB(A)	49		50	
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900			
		D : mm	330+20			
		H : mm	650		855	
		W : inch	35-7/16			
		D : inch	13 + 3/4			
		H : inch	25-5/8		33-5/8	
	Weight	kg	54		74	
		lbs	119		163	
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. 40			
	Length	m	Max. 40			

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PEAD-RP60EA		PEAD-RP71EA	
	Outdoor unit	H/P	PUH-P60VGAA	PUH-P60YGAA	PUH-P71VGAA	PUH-P71YGAA
		C/O	PU-P60VGAA	PU-P60YGAA	PU-P71VGAA	PU-P71YGAA
Cooling	Capacity	Btu/h	22,500		25,900	
		kW	6.6		7.6	
	Total input	kW	2.65		3.35	
	EER		2.49		2.27	
	Energy label class		E		F	
	SHF		0.71		0.78	
Heating *	Capacity	Btu/h	24,300		30,800	
		kW	7.15		9.05	
	Total input	kW	2.36		3.18	
	COP		3.03		2.85	
	Energy label class		D		D	
	Booster heater	kW	-		-	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	25	16	32	16
Indoor unit	Air flow	CMM	17-21		20-25	
	(Low-High)	CFM	600-741		706-883	
	External pressure	Pa	30(70)		70(130)	
	Sound level (Low-High)	dB(A)	37-41 (70Pa : 39-46)		37-41 (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)			
Outdoor unit	Air flow	CMM	50			
		CFM	1,770			
	Sound level at cooling	dB(A)	48		49	
	Sound level at heating *	dB(A)	50		51	
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900			
		D : mm	330+20			
		H : mm	855			
		W : inch	35-7/16			
		D : inch	13 + 3/4			
		H : inch	33-5/8			
	Weight	kg	79			
		lbs	174			
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. 50			
	Length	m	Max. 50			

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80˚F) W.B. 19℃ (66˚F) Outdoor : D.B. 35℃ (95˚F) W.B. 24℃ (75˚F)
Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
198~264V, 50Hz : Single phase
342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PEAD-RP100EA		PEAD-RP125EA	PEAD-RP140EA
	Outdoor unit	H/P	PUH-P100VGAA	PUH-P100YGAA	PUH-P125YGAA	PUH-P140YGAA
		C/O	PU-P100VGAA	PU-P100YGAA	PU-P125YGAA	PU-P140YGAA
Cooling	Capacity	Btu/h	32,700		41,600	47,700
		kW	9.6		12.2	14
	Total input	kW	3.83		4.87	5.81
	EER		2.51		2.51	2.41
	Energy label class		E		E	E
	SHF		0.75		0.74	0.74
Heating *	Capacity	Btu/h	35,100		47,700	56,600
		kW	10.3		14	16.6
	Total input	kW	4.00		4.74	5.90
	COP		2.58		2.95	2.81
	Energy label class		F		D	D
	Booster heater	kW	-		-	-
Power supply	Phase	ϕ	1	3	3	
	Cycle	Hz	50	50	50	
	Voltage	V	230	400	400	
	Breaker size	A	32	16	25	
Indoor unit	Air flow	CMM	27-34		33.5-42	36.5-46
	(Low-High)	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	85		95	100
		CFM	3,000		3,360	3,530
	Sound level at cooling	dB(A)	51		55	57
	Sound level at heating *	dB(A)	53		56	58
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900		1050	
		D : mm	330+20			
		H : mm	1260			
		W : inch	35-7/16		41-5/16	
		D : inch	13 + 3/4			
		H : inch	49-5/8			
	Weight	kg	97		125	
		lbs	214		276	
Refrigerant pipe size	Gas side O.D.	mm	19.05			
		inch	3/4			
	Liquid side O.D.	mm	9.52			
		inch	3/8			
Refrigerant pipe length	Height difference	m	Max. 50			
	Length	m	Max. 50			

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80˚F) W.B. 19℃ (66˚F) Outdoor : D.B. 35℃ (95˚F) W.B. 24℃ (75˚F)
Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
198~264V, 50Hz : Single phase
342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PEAD-RP60GA		PEAD-RP71GA	
	Outdoor unit	H/P	PUH-P60VGAA	PUH-P60YGAA	PUH-P71VGAA	PUH-P71YGAA
		C/O	PU-P60VGAA	PU-P60YGAA	PU-P71VGAA	PU-P71YGAA
Cooling	Capacity	Btu/h	22,500		25,900	
		kW	6.6		7.6	
	Total input	kW	2.74		3.35	
	EER		2.41		2.27	
	Energy label class		E		F	
	SHF		0.72		0.76	
Heating *	Capacity	Btu/h	24,300		30,800	
		kW	7.15		9.05	
	Total input	kW	2.50		3.18	
	COP		2.86		2.85	
	Energy label class		D		D	
	Booster heater	kW	-		-	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	25	16	32	16
Indoor unit	Air flow	CMM	16.5-21		20-25	
	(Low-High)	CFM	582-741		706-883	
	External pressure	Pa	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)	
	External finish		Galvanized sheets			
	Dimension	W : mm	1171			
		D : mm	740			
		H : mm	275			
		W : inch	46-1/8			
		D : inch	29-1/8			
		H : inch	10-13/16			
	Weight	kg	42			
		lbs	93			
	Unit drain pipe O.D.	mm	32			
		inch	1-1/4			
Outdoor unit	Air flow	CMM	50			
		CFM	1,770			
	Sound level at cooling	dB(A)	48		49	
	Sound level at heating *	dB(A)	50		51	
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900			
		D : mm	330+20			
		H : mm	855			
		W : inch	35-7/16			
		D : inch	13 + 3/4			
		H : inch	33-5/8			
	Weight	kg	79			
		lbs	174			
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. 50			
	Length	m	Max. 50			

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PEAD-RP100GA	
	Outdoor unit	H/P	PUH-P100VGAA	PUH-P100YGAA
		C/O	PU-P100VGAA	PU-P100YGAA
Cooling	Capacity	Btu/h	32,700	
		kW	9.6	
	Total input	kW	3.68	
	EER		2.61	
	Energy label class		D	
	SHF		0.75	
Heating *	Capacity	Btu/h	35,100	
		kW	10.3	
	Total input	kW	3.67	
	COP		2.81	
	Energy label class		D	
	Booster heater	kW	-	
Power supply	Phase	ϕ	1	3
	Cycle	Hz	50	50
	Voltage	V	230	400
	Breaker size	A	32	16
Indoor unit	Air flow (Low-High)	CMM	26.5-33	
		CFM	935-1165	
	External pressure	Pa	10/50/70	
	Sound level (Low-High)	dB(A)	40-43/42-45/42-46 (10/50/70Pa)	
	External finish		Galvanized sheets	
	Dimension	W mm	1411	
		D mm	740	
		H mm	275	
		W inch	55-9/16	
		D inch	29-1/8	
		H inch	10-13/16	
	Weight	kg	50	
		lbs	111	
	Unit drain pipe	mm	32	
		inch	1-1/4	
Outdoor unit	Air flow	CMM	85	
		CFM	3,000	
	Sound level at cooling	dB(A)	51	
	Sound level at heating *	dB(A)	53	
	External finish		Ivory Munsell 5Y 7/1	
	Dimension	W mm	900	
		D mm	330+20	
		H mm	1260	
		W inch	35-7/16	
		D inch	13 + 3/4	
		H inch	49-5/8	
	Weight	kg	97	
		lbs	214	
Refrigerant pipe size	Gas side O.D.	mm	19.05	
		inch	3/4	
	Liquid side O.D.	mm	9.52	
		inch	3/8	
Refrigerant pipe length	Height difference	m	Max. 50	
	Length	m	Max. 50	

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

2-2-2.HEAT PUMP (with HEATER) TYPE

Model name	Indoor unit		PEHD-P35EAH		PEHD-P50EAH	
	Outdoor unit		PUH-P35VGAA	PUH-P35YGAA	PUH-P50VGAA	PUH-P50YGAA
Cooling	Capacity	Btu/h	15,100		19,100	
		kW	4.45		5.6	
	Total input	kW	1.71		2.53	
	EER		2.60		2.21	
	Energy label class		E		F	
	SHF		0.72		0.74	
Heating	Capacity	Btu/h	16,500		21,400	
		kW	4.85		6.3	
	Total input	kW	1.73		2.20	
	COP		2.80		2.86	
	Energy label class		E		D	
	Booster heater	kW	0.9		0.9	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	16	16	25	16
Power supply for heater	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 (70Pa : 36-43)		36-40 (70Pa : 38-44)	
	External finish		Galvanized sheets			
	Dimension	W : mm	935			
		D : mm	700			
		H : mm	295			
		W : inch	36-13/16			
		D : inch	27-5/8			
		H : inch	11-5/8			
	Weight	kg	35		37	
		lbs	77		82	
	Unit drain pipe		R1(External thread)			
Outdoor unit	Air flow	CMM	45		55	
		CFM	1,590		1,940	
	Sound level at cooling	dB(A)	47		48	
	Sound level at heating	dB(A)	49		50	
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900			
		D : mm	330+20			
		H : mm	650		855	
		W : inch	35-7/16			
		D : inch	13 + 3/4			
		H : inch	25-5/8		33-5/8	
	Weight	kg	54		74	
		lbs	119		163	
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. 40			
	Length	m	Max. 40			

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PEHD-P60EAH		PEHD-P71EAH	
	Outdoor unit		PUH-P60VGAA	PUH-P60YGAA	PUH-P71VGAA	PUH-P71YGAA
Cooling	Capacity	Btu/h	22,500		25,900	
		kW	6.6		7.6	
	Total input	kW	2.65		3.35	
	EER		2.49		2.27	
	Energy label class		E		F	
	SHF		0.71		0.78	
Heating	Capacity	Btu/h	24,300		30,800	
		kW	7.15		9.05	
	Total input	kW	2.36		3.18	
	COP		3.03		2.85	
	Energy label class		D		D	
	Booster heater	kW	1.4		1.9	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	25	16	32	16
Power supply for heater	Phase	ϕ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	16			
Indoor unit	Air flow	CMM	17-21		20-25	
	(Low-High)	CFM	600-741		706-883	
	External pressure	Pa	30(70)		70(130)	
	Sound level (Low-High)	dB(A)	37-41 (70Pa : 39-46)		37-41 (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	44		46	
		lbs	97		101	
	Unit drain pipe		R1(External thread)			
Outdoor unit	Air flow	CMM	50			
		CFM	1,770			
	Sound level at cooling	dB(A)	48		49	
	Sound level at heating	dB(A)	50		51	
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900			
		D : mm	330+20			
		H : mm	855			
		W : inch	35-7/16			
		D : inch	13 + 3/4			
		H : inch	33-5/8			
	Weight	kg	79			
		lbs	174			
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. 50			
	Length	m	Max. 50			

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PEHD-P100EAH		PEHD-P125EAH	PEHD-P140EAH
	Outdoor unit		PUH-P100VGAA	PUH-P100YGAA	PUH-P125YGAA	PUH-P140YGAA
Cooling	Capacity	Btu/h	32,700		41,600	47,700
		kW	9.6		12.2	14
	Total input	kW	3.83		4.87	5.81
	EER		2.51		2.51	2.41
	Energy label class		E		E	E
	SHF		0.75		0.74	0.74
Heating	Capacity	Btu/h	35,100		47,700	56,600
		kW	10.3		14	16.6
	Total input	kW	4.00		4.74	5.90
	COP		2.58		2.95	2.81
	Energy label class		F		D	D
	Booster heater	kW	-		-	-
Power supply	Phase	ϕ	1	3	3	
	Cycle	Hz	50	50	50	
	Voltage	V	230	400	400	
	Breaker size	A	32	16	25	
Power supply for heater	Phase	ϕ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	16			
Indoor unit	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	65		68	73
		lbs	143		150	161
	Unit drain pipe		R1(External thread)			
Outdoor unit	Air flow	CMM	85		95	100
		CFM	3,000		3,360	3,530
	Sound level at cooling	dB(A)	51		55	57
	Sound level at heating	dB(A)	53		56	58
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900		1050	
		D : mm	330+20			
		H : mm	1260			
		W : inch	35-7/16		41-5/16	
		D : inch	13 + 3/4			
		H : inch	49-5/8			
	Weight	kg	97		125	
		lbs	214		276	
Refrigerant pipe size	Gas side O.D.	mm	19.05			
		inch	3/4			
	Liquid side O.D.	mm	9.52			
		inch	3/8			
Refrigerant pipe length	Height difference	m	Max. 50			
	Length	m	Max. 50			

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80˚F) W.B. 19℃ (66˚F) Outdoor : D.B. 35℃ (95˚F) W.B. 24℃ (75˚F)
Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
198~264V, 50Hz : Single phase
342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

2-3. WALL-MOUNTED TYPE

2-3-1.HEAT PUMP (without HEATER) AND COOLING ONLY TYPE

Model name	Indoor unit		PKA-RP35GAL		PKA-RP50GAL	
	Outdoor unit	H/P	PUH-P35VGAA	PUH-P35YGAA	PUH-P50VGAA	PUH-P50YGAA
		C/O	PU-P35VGAA	PU-P35YGAA	PU-P50VGAA	PU-P50YGAA
Cooling	Capacity	Btu/h	15,100		18,300	
		kW	4.45		5.35	
	Total input	kW	1.70		2.33	
	EER		2.62		2.30	
	Energy label class		D		F	
	SHF		0.77		0.70	
Heating *	Capacity	Btu/h	16,900		21,200	
		kW	4.95		6.2	
	Total input	kW	1.79		2.34	
	COP		2.77		2.65	
	Energy label class		E		E	
	Booster heater	kW	-		-	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	16	16	25	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 (Low-Medium2-Medium1-High)	dB(A)	36-38-41-43			
	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	45		55	
		CFM	1,590		1,940	
	Sound level at cooling	dB(A)	47		48	
	Sound level at heating *	dB(A)	49		50	
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900			
		D : mm	330+20			
		H : mm	650		855	
		W : inch	35-7/16			
		D : inch	13 + 3/4			
		H : inch	25-5/8		33-5/8	
	Weight	kg	54		74	
		lbs	119		163	
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. 40			
	Length	m	Max. 40			

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PKA-RP60FAL		PKA-RP71FAL	
	Outdoor unit	H/P	PUH-P60VGAA	PUH-P60YGAA	PUH-P71VGAA	PUH-P71YGAA
		C/O	PU-P60VGAA	PU-P60YGAA	PU-P71VGAA	PU-P71YGAA
Cooling	Capacity	Btu/h	22,000		26,800	
		kW	6.45		7.85	
	Total input	kW	2.65		3.43	
	EER		2.43		2.29	
	Energy label class		E		F	
	SHF		0.80		0.74	
Heating *	Capacity	Btu/h	25,100		32,100	
		kW	7.35		9.4	
	Total input	kW	2.63		3.61	
	COP		2.79		2.60	
	Energy label class		E		F	
	Booster heater	kW	-		-	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	25	16	32	16
Indoor unit	Air flow (Low-High)	CMM	15-20			
		CFM	530-705			
	External pressure	Pa	0			
	Sound level (Low-High)	dB(A)	39-45			
	External finish		Munsell 3.4Y 7.7/0.8			
	Dimension	W : mm	1400			
		D : mm	235			
		H : mm	340			
		W : inch	55-1/8			
		D : inch	9-1/4			
		H : inch	13-3/8			
	Weight	kg	24			
		lbs	53			
	Unit drain pipe O.D.	mm	20			
		inch	13/16			
Outdoor unit	Air flow	CMM	50			
		CFM	1,770			
	Sound level at cooling	dB(A)	48		49	
	Sound level at heating *	dB(A)	50		51	
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900			
		D : mm	330+20			
		H : mm	855			
		W : inch	35-7/16			
		D : inch	13 + 3/4			
		H : inch	33-5/8			
	Weight	kg	79			
		lbs	174			
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. 50			
	Length	m	Max. 50			

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PKA-RP100FAL	
	Outdoor unit	H/P	PUH-P100VGAA	PUH-P100YGAA
		C/O	PU-P100VGAA	PU-P100YGAA
Cooling	Capacity	Btu/h	32,100	
		kW	9.4	
	Total input	kW	3.59	
	EER		2.62	
	Energy label class		D	
	SHF		0.76	
Heating *	Capacity	Btu/h	36,800	
		kW	10.8	
	Total input	kW	3.77	
	COP		2.86	
	Energy label class		D	
	Booster heater	kW	-	
Power supply	Phase	ϕ	1	3
	Cycle	Hz	50	50
	Voltage	V	230	400
	Breaker size	A	32	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	85	
		CFM	3,000	
	Sound level at cooling	dB(A)	51	
	Sound level at heating *	dB(A)	53	
	External finish		Ivory Munsell 5Y 7/1	
	Dimension	W : mm	900	
		D : mm	330+20	
		H : mm	1260	
		W : inch	35-7/16	
		D : inch	13 + 3/4	
		H : inch	49-5/8	
	Weight	kg	97	
		lbs	214	
Refrigerant pipe size	Gas side O.D.	mm	19.05	
		inch	3/4	
	Liquid side O.D.	mm	9.52	
		inch	3/8	
Refrigerant pipe length	Height difference	m	Max. 50	
	Length	m	Max. 50	

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

2-3-2.HEAT PUMP (with HEATER) TYPE

Model name	Indoor unit		PKH-P35GALH		PKH-P50GALH	
	Outdoor unit		PUH-P35VGAA	PUH-P35YGAA	PUH-P50VGAA	PUH-P50YGAA
Cooling	Capacity	Btu/h	15,100		18,300	
		kW	4.45		5.35	
	Total input	kW	1.70		2.33	
	EER		2.62		2.30	
	Energy label class		D		F	
	SHF		0.77		0.70	
Heating	Capacity	Btu/h	16,900		21,200	
		kW	4.95		6.2	
	Total input	kW	1.79		2.34	
	COP		2.77		2.65	
	Energy label class		E		E	
	Booster heater	kW	0.73		0.73	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	16	16	25	16
Power supply for heater	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 (Low-Medium2-Medium1-High)	dB(A)	36-38-41-43			
	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	17			
		lbs	37			
	Unit drain pipe O.D.	mm	20			
		inch	13/16			
Outdoor unit	Air flow	CMM	45		55	
		CFM	1,590		1,940	
	Sound level at cooling	dB(A)	47		48	
	Sound level at heating	dB(A)	49		50	
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900			
		D : mm	330+20			
		H : mm	650		855	
		W : inch	35-7/16			
		D : inch	13 + 3/4			
		H : inch	25-5/8		33-5/8	
	Weight	kg	54		74	
		lbs	119		163	
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. 40			
	Length	m	Max. 40			

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80˚F) W.B. 19℃ (66˚F) Outdoor : D.B. 35℃ (95˚F) W.B. 24℃ (75˚F)
Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
198~264V, 50Hz : Single phase
342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PKH-P60FALH		PKH-P71FALH	
	Outdoor unit		PUH-P60VGAA	PUH-P60YGAA	PUH-P71VGAA	PUH-P71YGAA
Cooling	Capacity	Btu/h	22,000		26,800	
		kW	6.45		7.85	
	Total input	kW	2.65		3.43	
	EER		2.43		2.29	
	Energy label class		E		F	
	SHF		0.80		0.74	
Heating	Capacity	Btu/h	25,100		32,100	
		kW	7.35		9.4	
	Total input	kW	2.63		3.61	
	COP		2.79		2.60	
	Energy label class		E		F	
	Booster heater	kW	1.93		1.93	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	25	16	32	16
Power supply for heater	Phase	ϕ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	16			
Indoor unit	Air flow (Low-High)	CMM	15-20			
		CFM	530-705			
	External pressure	Pa	0			
	Sound level (Low-High)	dB(A)	39-45			
	External finish		Munsell 3.4Y 7.7/0.8			
	Dimension	W : mm	1400			
		D : mm	235			
		H : mm	340			
		W : inch	55-1/8			
		D : inch	9-1/4			
		H : inch	13-3/8			
	Weight	kg	26			
		lbs	57			
	Unit drain pipe O.D.	mm	20			
		inch	13/16			
Outdoor unit	Air flow	CMM	50			
		CFM	1,770			
	Sound level at cooling	dB(A)	48		49	
	Sound level at heating	dB(A)	50		51	
	External finish		Ivory Munsell 5Y 7/1			
	Dimension	W : mm	900			
		D : mm	330+20			
		H : mm	855			
		W : inch	35-7/16			
		D : inch	13 + 3/4			
		H : inch	33-5/8			
	Weight	kg	79			
		lbs	174			
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. 50			
	Length	m	Max. 50			

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PKH-P100FALH	
	Outdoor unit		PUH-P100VGAA	PUH-P100YGAA
Cooling	Capacity	Btu/h	32,100	
		kW	9.4	
	Total input	kW	3.59	
	EER		2.62	
	Energy label class		D	
	SHF		0.76	
Heating	Capacity	Btu/h	36,800	
		kW	10.8	
	Total input	kW	3.77	
	COP		2.86	
	Energy label class		D	
	Booster heater	kW	2.20	
Power supply	Phase	ϕ	1	3
	Cycle	Hz	50	50
	Voltage	V	230	400
	Breaker size	A	32	16
Power supply for heater	Phase	ϕ	1	
	Cycle	Hz	50	
	Voltage	V	230	
	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	30	
		lbs	66	
	Unit drain pipe O.D.	mm	20	
		inch	13/16	
Outdoor unit	Air flow	CMM	85	
		CFM	3,000	
	Sound level at cooling	dB(A)	51	
	Sound level at heating	dB(A)	53	
	External finish		Ivory Munsell 5Y 7/1	
	Dimension	W : mm	900	
		D : mm	330+20	
		H : mm	1260	
		W : inch	35-7/16	
		D : inch	13 + 3/4	
		H : inch	49-5/8	
	Weight	kg	97	
		lbs	214	
Refrigerant pipe size	Gas side O.D.	mm	19.05	
		inch	3/4	
	Liquid side O.D.	mm	9.52	
		inch	3/8	
Refrigerant pipe length	Height difference	m	Max. 50	
	Length	m	Max. 50	

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

2-4. CEILING-SUSPENDED TYPE

2-4-1.HEAT PUMP (without HEATER) AND COOLING ONLY TYPE

Model name	Indoor unit		PCA-RP50GA		PCA-RP60GA	
	Outdoor unit	H/P	PUH-P50VGAA	PUH-P50YGAA	PUH-P60VGAA	PUH-P60YGAA
		C/O	PU-P50VGAA	PU-P50YGAA	PU-P60VGAA	PU-P60YGAA
Cooling	Capacity	Btu/h	18,300		22,500	
		kW	5.35		6.6	
	Total input	kW	2.35		2.62	
	EER		2.28		2.52	
	Energy label class		F		E	
	SHF		0.72		0.75	
Heating *	Capacity	Btu/h	21,200		24,700	
		kW	6.2		7.25	
	Total input	kW	2.36		2.66	
	COP		2.63		2.73	
	Energy label class		E		E	
	Booster heater	kW	-		-	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	25	16	25	16
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		0	
	Sound level (Low-Medium2-Medium1-High)	dB(A)	37-38-40-42		37-39-41-43	
	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		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	55		50	
		CFM	1,940		1,770	
	Sound level at cooling	dB(A)	48		48	
	Sound level at heating *	dB(A)	50		50	
	External finish		Ivory Munsell 5Y 7/1		Ivory Munsell 5Y 7/1	
	Dimension	W : mm	900		900	
		D : mm	330+20		330+20	
		H : mm	855		855	
		W : inch	35-7/16		35-7/16	
		D : inch	13 + 3/4		13 + 3/4	
		H : inch	33-5/8		33-5/8	
	Weight	kg	74		79	
		lbs	163		174	
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. 40		Max. 50	
	Length	m	Max. 40		Max. 50	

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PCA-RP71GA		PCA-RP100GA	
	Outdoor unit	H/P	PUH-P71VGAA	PUH-P71YGAA	PUH-P100VGAA	PUH-P100YGAA
		C/O	PU-P71VGAA	PU-P71YGAA	PU-P100VGAA	PU-P100YGAA
Cooling	Capacity	Btu/h	25,400		32,800	
		kW	7.45		9.6	
	Total input	kW	3.37		3.62	
	EER		2.21		2.65	
	Energy label class		F		D	
	SHF		0.73		0.76	
Heating *	Capacity	Btu/h	31,200		36,200	
		kW	9.15		10.6	
	Total input	kW	3.48		3.81	
	COP		2.63		2.78	
	Energy label class		E		E	
	Booster heater	kW	-		-	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	32	16	32	16
Indoor unit	Air flow	CMM	14-15-16-18		20-21-23-25	
	(Low-Medium2-Medium1-High)	CFM	495-530-565-635		705-840-810-885	
	External pressure	Pa	0		0	
	Sound level (Low-Medium2-Medium1-High)	dB(A)	37-39-41-43		40-41-43-45	
	External finish		White Munsell 0.70Y 8.59/0.97			
	Dimension	W : mm	1310			
		D : mm	680			
		H : mm	210		270	
		W : inch	51-9/16			
		D : inch	26-3/4			
		H : inch	8-1/4		10-5/8	
	Weight	kg	34		37	
		lbs	75		82	
	Unit drain pipe I.D.	mm	26			
		inch	1			
Outdoor unit	Air flow	CMM	50		85	
		CFM	1,770		3,000	
	Sound level at cooling	dB(A)	49		51	
	Sound level at heating *	dB(A)	51		53	
	External finish		Ivory Munsell 5Y 7/1		Ivory Munsell 5Y 7/1	
	Dimension	W : mm	900		900	
		D : mm	330+20		330+20	
		H : mm	855		1260	
		W : inch	35-7/16		35-7/16	
		D : inch	13 + 3/4		13 + 3/4	
		H : inch	33-5/8		49-5/8	
	Weight	kg	79		97	
		lbs	174		214	
Refrigerant pipe size	Gas side O.D.	mm	15.88		19.05	
		inch	5/8		3/4	
	Liquid side O.D.	mm	9.52		9.52	
		inch	3/8		3/8	
Refrigerant pipe length	Height difference	m	Max. 50		Max. 50	
	Length	m	Max. 50		Max. 50	

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PCA-RP125GA	PCA-RP140GA
	Outdoor unit	H/P	PUH-P125YGAA	PUH-P140YGAA
		C/O	PU-P125YGAA	PU-P140YGAA
Cooling	Capacity	Btu/h	42,000	48,500
		kW	12.3	14.2
	Total input	kW	4.91	5.89
	EER		2.51	2.41
	Energy label class		E	E
	SHF		0.77	0.74
Heating *	Capacity	Btu/h	50,500	58,000
		kW	14.8	17.0
	Total input	kW	5.11	6.24
	COP		2.90	2.72
	Energy label class		D	E
	Booster heater	kW	-	-
Power supply	Phase	ϕ	3	
	Cycle	Hz	50	
	Voltage	V	400	
	Breaker size	A	25	
Indoor unit	Air flow	CMM	27-30-32-34	
	(Low-Medium2-Medium1-High)	CFM	955-1060-1130-1200	
	External pressure	Pa	0	
	Sound level (Low-Medium2-Medium1-High)	dB(A)	41-43-45-46	42-44-46-48
	External finish		White Munsell 0.70Y 8.59/0.97	
	Dimension	W : mm	1620	
		D : mm	680	
		H : mm	270	
		W : inch	63-3/4	
		D : inch	26-3/4	
		H : inch	10-5/8	
	Weight	kg	43	45
		lbs	95	99
	Unit drain pipe I.D.	mm	26	
		inch	1	
Outdoor unit	Air flow	CMM	95	100
		CFM	3,360	3,530
	Sound level at cooling	dB(A)	55	57
	Sound level at heating *	dB(A)	56	58
	External finish		Ivory Munsell 5Y 7/1	
	Dimension	W : mm	1050	
		D : mm	330+20	
		H : mm	1260	
		W : inch	41-5/16	
		D : inch	13 + 3/4	
		H : inch	49-5/8	
	Weight	kg	125	
		lbs	276	
Refrigerant pipe size	Gas side O.D.	mm	19.05	
		inch	3/4	
	Liquid side O.D.	mm	9.52	
		inch	3/8	
Refrigerant pipe length	Height difference	m	Max. 50	
	Length	m	Max. 50	

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80˚F) W.B. 19℃ (66˚F) Outdoor : D.B. 35℃ (95˚F) W.B. 24℃ (75˚F)
Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
198~264V, 50Hz : Single phase
342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PCA-RP71HA		PCA-RP125HA
	Outdoor unit	H/P	PUH-P71VGAA	PUH-P71YGAA	PUH-P125YGAA
		C/O	PU-P71VGAA	PU-P71YGAA	PU-P125YGAA
Cooling	Capacity	Btu/h	25,600		44,400
		kW	7.5		13.0
	Total input	kW	3.36		4.90
	EER		2.23		2.65
	Energy label class		F		D
	SHF		0.72		0.72
Heating *	Capacity	Btu/h	31,400		54,600
		kW	9.2		16.0
	Total input	kW	3.41		4.98
	COP		2.70		3.21
	Energy label class		E		C
	Booster heater	kW	-		-
Power supply	Phase	ϕ	1	3	3
	Cycle	Hz	50	50	50
	Voltage	V	230	400	400
	Breaker size	A	32	16	25
Indoor unit	Air flow	CMM	17-19		30-38
	(Low-High)	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	50		95
		CFM	1,770		3,360
	Sound level at cooling	dB(A)	49		55
	Sound level at heating *	dB(A)	51		56
	External finish		Ivory Munsell 5Y 7/1		
	Dimension	W : mm	900		1050
		D : mm	330+20		330+20
		H : mm	855		1260
		W : inch	35-7/16		41-5/16
		D : inch	13 + 3/4		13 + 3/4
		H : inch	33-5/8		49-5/8
	Weight	kg	79		125
		lbs	174		276
Refrigerant pipe size	Gas side O.D.	mm	15.88		19.05
		inch	5/8		3/4
	Liquid side O.D.	mm	9.52		9.52
		inch	3/8		3/8
Refrigerant pipe length	Height difference	m	Max. 50		Max. 50
	Length	m	Max. 50		Max. 50

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

2-4-2.HEAT PUMP (with HEATER) TYPE

Model name	Indoor unit		PCH-P50GAH		PCH-P60GAH	
	Outdoor unit		PUH-P50VGAA	PUH-P50YGAA	PUH-P60VGAA	PUH-P60YGAA
Cooling	Capacity	Btu/h	18,300		22,500	
		kW	5.35		6.6	
	Total input	kW	2.35		2.62	
	EER		2.28		2.52	
	Energy label class		F		E	
	SHF		0.72		0.75	
Heating	Capacity	Btu/h	21,200		24,700	
		kW	6.2		7.25	
	Total input	kW	2.36		2.66	
	COP		2.63		2.73	
	Energy label class		E		E	
	Booster heater	kW	1.29		1.93	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	25	16	25	16
Power supply for heater	Phase	ϕ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	16			
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		0	
	Sound level (Low-Medium2-Medium1-High)	dB(A)	37-38-40-42		37-39-41-43	
	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		26-3/4	
		H : inch	8-1/4			
	Weight	kg	28.5		36	
		lbs	63		79	
	Unit drain pipe I.D.	mm	26			
		inch	1			
Outdoor unit	Air flow	CMM	55		50	
		CFM	1,940		1,770	
	Sound level at cooling	dB(A)	48		48	
	Sound level at heating	dB(A)	50		50	
	External finish		Ivory Munsell 5Y 7/1		Ivory Munsell 5Y 7/1	
	Dimension	W : mm	900		900	
		D : mm	330+20		330+20	
		H : mm	855		855	
		W : inch	35-7/16		35-7/16	
		D : inch	13 + 3/4		13 + 3/4	
		H : inch	33-5/8		33-5/8	
	Weight	kg	74		79	
		lbs	163		174	
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. 40		Max. 50	
	Length	m	Max. 40		Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80˚F) W.B. 19℃ (66˚F) Outdoor : D.B. 35℃ (95˚F) W.B. 24℃ (75˚F)
Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
198~264V, 50Hz : Single phase
342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PCH-P71GAH		PCH-P100GAH	
	Outdoor unit		PUH-P71VGAA	PUH-P71YGAA	PUH-P100VGAA	PUH-P100YGAA
Cooling	Capacity	Btu/h	25,400		32,800	
		kW	7.45		9.6	
	Total input	kW	3.37		3.62	
	EER		2.21		2.65	
	Energy label class		F		D	
	SHF		0.73		0.76	
Heating	Capacity	Btu/h	31,200		36,200	
		kW	9.15		10.6	
	Total input	kW	3.48		3.81	
	COP		2.63		2.78	
	Energy label class		E		E	
	Booster heater	kW	1.93		2.48	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	32	16	32	16
Power supply for heater	Phase	ϕ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	16			
Indoor unit	Air flow	CMM	14-15-16-18		20-21-23-25	
	(Low-Medium2-Medium1-High)	CFM	495-530-565-635		705-840-810-885	
	External pressure	Pa	0		0	
	Sound level (Low-Medium2-Medium1-High)	dB(A)	37-39-41-43		40-41-43-45	
	External finish		White Munsell 0.70Y 8.59/0.97			
	Dimension	W : mm	1310			
		D : mm	680			
		H : mm	210		270	
		W : inch	51-9/16			
		D : inch	26-3/4			
		H : inch	8-1/4		10-5/8	
	Weight	kg	36		39.5	
		lbs	79		87	
	Unit drain pipe I.D.	mm	26			
		inch	1			
Outdoor unit	Air flow	CMM	50		85	
		CFM	1,770		3,000	
	Sound level at cooling	dB(A)	49		51	
	Sound level at heating	dB(A)	51		53	
	External finish		Ivory Munsell 5Y 7/1		Ivory Munsell 5Y 7/1	
	Dimension	W : mm	900		900	
		D : mm	330+20		330+20	
		H : mm	855		1260	
		W : inch	35-7/16		35-7/16	
		D : inch	13 + 3/4		13 + 3/4	
		H : inch	33-5/8		49-5/8	
	Weight	kg	79		97	
		lbs	174		214	
Refrigerant pipe size	Gas side O.D.	mm	15.88		19.05	
		inch	5/8		3/4	
	Liquid side O.D.	mm	9.52		9.52	
		inch	3/8		3/8	
Refrigerant pipe length	Height difference	m	Max. 50		Max. 50	
	Length	m	Max. 50		Max. 50	

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PCH-P125GAH	PCH-P140GAH
	Outdoor unit		PUH-P125YGAA	PUH-P140YGAA
Cooling	Capacity	Btu/h	42,000	48,500
		kW	12.3	14.2
	Total input	kW	4.91	5.89
	EER		2.51	2.41
	Energy label class		E	E
	SHF		0.77	0.74
Heating	Capacity	Btu/h	50,500	58,000
		kW	14.8	17.0
	Total input	kW	5.11	6.24
	COP		2.90	2.72
	Energy label class		D	E
	Booster heater	kW	2.76	2.76
Power supply	Phase	ϕ	3	
	Cycle	Hz	50	
	Voltage	V	400	
	Breaker size	A	25	
Power supply for heater	Phase	ϕ	1	
	Cycle	Hz	50	
	Voltage	V	230	
	Breaker size	A	16	
Indoor unit	Air flow	CMM	27-30-32-34	
	(Low-Medium2-Medium1-High)	CFM	955-1060-1130-1200	
	External pressure	Pa	0	
	Sound level (Low-Medium2-Medium1-High)	dB(A)	41-43-45-46	42-44-46-48
	External finish		White Munsell 0.70Y 8.59/0.97	
	Dimension	W : mm	1620	
		D : mm	680	
		H : mm	270	
		W : inch	63-3/4	
		D : inch	26-3/4	
		H : inch	10-5/8	
	Weight	kg	46	48
		lbs	101	106
	Unit drain pipe I.D.	mm	26	
		inch	1	
Outdoor unit	Air flow	CMM	95	100
		CFM	3,360	3,530
	Sound level at cooling	dB(A)	55	57
	Sound level at heating	dB(A)	56	58
	External finish		Ivory Munsell 5Y 7/1	
	Dimension	W : mm	1050	
		D : mm	330+20	
		H : mm	1260	
		W : inch	41-5/16	
		D : inch	13 + 3/4	
		H : inch	49-5/8	
	Weight	kg	125	
		lbs	276	
Refrigerant pipe size	Gas side O.D.	mm	19.05	
		inch	3/4	
	Liquid side O.D.	mm	9.52	
		inch	3/8	
Refrigerant pipe length	Height difference	m	Max. 50	
	Length	m	Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80˚F) W.B. 19℃ (66˚F) Outdoor : D.B. 35℃ (95˚F) W.B. 24℃ (75˚F)
Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
198~264V, 50Hz : Single phase
342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

2-5. FLOOR STANDING TYPE

2-5-1.HEAT PUMP (without HEATER) AND COOLING ONLY TYPE

Model name	Indoor unit		PSA-RP71GA		PSA-RP100GA	
	Outdoor unit	H/P	PUH-P71VGAA	PUH-P71YGAA	PUH-P100VGAA	PUH-P100YGAA
		C/O	PU-P71VGAA	PU-P71YGAA	PU-P100VGAA	PU-P100YGAA
Cooling	Capacity	Btu/h	25,900		32,800	
		kW	7.6		9.6	
	Total input	kW	3.39		3.75	
	EER		2.24		2.56	
	Energy label class		F		E	
	SHF		0.72		0.72	
Heating *	Capacity	Btu/h	31,600		36,700	
		kW	9.25		10.75	
	Total input	kW	3.47		3.86	
	COP		2.67		2.78	
	Energy label class		E		E	
	Booster heater	kW	-		-	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	32	16	32	16
Indoor unit	Air flow	CMM	15-18		24-31	
	(Low-High)	CFM	530-635		850-1060	
	External pressure	Pa	0			
	Sound level (Low-High)	dB(A)	40-45		44-49	
	External finish		White Munsell 0.70Y 8.59/0.97			
	Dimension	W : mm	600			
		D : mm	270		350	
		H : mm	1900			
		W : inch	23-5/8			
		D : inch	10-5/8		13-3/4	
		H : inch	74-13/16			
	Weight	kg	43		51	
		lbs	98		112	
	Unit drain pipeO.D.	mm	20			
		inch	13/16			
Outdoor unit	Air flow	CMM	50		85	
		CFM	1,770		3,000	
	Sound level at cooling	dB(A)	49		51	
	Sound level at heating *	dB(A)	51		53	
	External finish		Ivory Munsell 5Y 7/1		Ivory Munsell 5Y 7/1	
	Dimension	W : mm	900		900	
		D : mm	330+20		330+20	
		H : mm	855		1260	
		W : inch	35-7/16		35-7/16	
		D : inch	13 + 3/4		13 + 3/4	
		H : inch	33-5/8		49-5/8	
	Weight	kg	79		97	
		lbs	174		214	
Refrigerant pipe size	Gas side O.D.	mm	15.88		19.05	
		inch	5/8		3/4	
	Liquid side O.D.	mm	9.52		9.52	
		inch	3/8		3/8	
Refrigerant pipe length	Height difference	m	Max. 50		Max. 50	
	Length	m	Max. 50		Max. 50	

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)

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

Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
   198~264V, 50Hz : Single phase
   342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
   Indoor unit Single phase 230V 50Hz
   Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PSA-RP125GA	PSA-RP140GA
	Outdoor unit	H/P	PUH-P125YGAA	PUH-P140YGAA
		C/O	PU-P125YGAA	PU-P140YGAA
Cooling	Capacity	Btu/h	42,000	47,400
		kW	12.3	13.9
	Total input	kW	5.03	5.76
	EER		2.45	2.41
	Energy label class		E	E
	SHF		0.74	0.69
Heating *	Capacity	Btu/h	49,500	58,000
		kW	14.5	17.0
	Total input	kW	5.32	6.08
	COP		2.73	2.80
	Energy label class		E	E
	Booster heater	kW	-	-
Power supply	Phase	ϕ	3	
	Cycle	Hz	50	
	Voltage	V	400	
	Breaker size	A	25	
Indoor unit	Air flow	CMM	26-33	27-35
	(Low-High)	CFM	920-1165	955-1240
	External pressure	Pa	0	
	Sound level (Low-High)	dB(A)	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 pipeO.D.	mm	26	
		inch	1	
Outdoor unit	Air flow	CMM	95	100
		CFM	3,360	3,530
	Sound level at cooling	dB(A)	55	57
	Sound level at heating *	dB(A)	56	58
	External finish		Ivory Munsell 5Y 7/1	
	Dimension	W : mm	1050	
		D : mm	330+20	
		H : mm	1260	
		W : inch	41-5/16	
		D : inch	13 + 3/4	
		H : inch	49-5/8	
	Weight	kg	125	
		lbs	276	
Refrigerant pipe size	Gas side O.D.	mm	19.05	
		inch	3/4	
	Liquid side O.D.	mm	9.52	
		inch	3/8	
Refrigerant pipe length	Height difference	m	Max. 50	
	Length	m	Max. 50	

* HEAT PUMP TYPE

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80˚F) W.B. 19℃ (66˚F) Outdoor : D.B. 35℃ (95˚F) W.B. 24℃ (75˚F)
Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
198~264V, 50Hz : Single phase
342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

2-5-2.HEAT PUMP (with HEATER) TYPE

Model name	Indoor unit		PSH-P71GAH		PSH-P100GAH	
	Outdoor unit		PUH-P71VGAA	PUH-P71YGAA	PUH-P100VGAA	PUH-P100YGAA
Cooling	Capacity	Btu/h	25,900		32,800	
		kW	7.6		9.6	
	Total input	kW	3.39		3.75	
	EER		2.24		2.56	
	Energy label class		F		E	
	SHF		0.72		0.72	
Heating	Capacity	Btu/h	31,600		36,700	
		kW	9.25		10.75	
	Total input	kW	3.47		3.86	
	COP		2.67		2.78	
	Energy label class		E		E	
	Booster heater	kW	1.93		2.48	
Power supply	Phase	ϕ	1	3	1	3
	Cycle	Hz	50	50	50	50
	Voltage	V	230	400	230	400
	Breaker size	A	32	16	32	16
Power supply for heater	Phase	ϕ	1			
	Cycle	Hz	50			
	Voltage	V	230			
	Breaker size	A	16			
Indoor unit	Air flow (Low-High)	CMM	15-18		24-31	
		CFM	530-635		850-1060	
	External pressure	Pa	0			
	Sound level (Low-High)	dB(A)	40-45		44-49	
	External finish		White Munsell 0.70Y 8.59/0.97			
	Dimension	W : mm	600			
		D : mm	270		350	
		H : mm	1900			
		W : inch	23-5/8			
		D : inch	10-5/8		13-3/4	
		H : inch	74-13/16			
	Weight	kg	45		53	
		lbs	99		117	
	Unit drain pipeO.D.	mm	20			
		inch	13/16			
Outdoor unit	Air flow	CMM	50		85	
		CFM	1,770		3,000	
	Sound level at cooling	dB(A)	49		51	
	Sound level at heating	dB(A)	51		53	
	External finish		Ivory Munsell 5Y 7/1		Ivory Munsell 5Y 7/1	
	Dimension	W : mm	900		900	
		D : mm	330+20		330+20	
		H : mm	855		1260	
		W : inch	35-7/16		35-7/16	
		D : inch	13 + 3/4		13 + 3/4	
		H : inch	33-5/8		49-5/8	
	Weight	kg	79		97	
		lbs	174		214	
Refrigerant pipe size	Gas side O.D.	mm	15.88		19.05	
		inch	5/8		3/4	
	Liquid side O.D.	mm	9.52		9.52	
		inch	3/8		3/8	
Refrigerant pipe length	Height difference	m	Max. 50		Max. 50	
	Length	m	Max. 50		Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80˚F) W.B. 19℃ (66˚F) Outdoor : D.B. 35℃ (95˚F) W.B. 24℃ (75˚F)
Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
198~264V, 50Hz : Single phase
342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

Model name	Indoor unit		PSH-P125GAH	PSH-P140GAH
	Outdoor unit		PUH-P125YGAA	PUH-P140YGAA
Cooling	Capacity	Btu/h	42,000	47,400
		kW	12.3	13.9
	Total input	kW	5.03	5.76
	EER		2.45	2.41
	Energy label class		E	E
	SHF		0.74	0.69
Heating	Capacity	Btu/h	49,500	58,000
		kW	14.5	17.0
	Total input	kW	5.32	6.08
	COP		2.73	2.80
	Energy label class		E	E
	Booster heater	kW	2.76	2.76
Power supply	Phase	ϕ	3	
	Cycle	Hz	50	
	Voltage	V	400	
	Breaker size	A	25	
Power supply for heater	Phase	ϕ	1	
	Cycle	Hz	50	
	Voltage	V	230	
	Breaker size	A	16	
Indoor unit	Air flow (Low-High)	CMM	26-33	27-35
		CFM	920-1165	955-1240
	External pressure	Pa	0	
	Sound level (Low-High)	dB(A)	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	53	55
		lbs	117	121
	Unit drain pipeO.D.	mm	26	
		inch	1	
Outdoor unit	Air flow	CMM	95	100
		CFM	3,360	3,530
	Sound level at cooling	dB(A)	55	57
	Sound level at heating	dB(A)	56	58
	External finish		Ivory Munsell 5Y 7/1	
	Dimension	W : mm	1050	
		D : mm	330+20	
		H : mm	1260	
		W : inch	41-5/16	
		D : inch	13 + 3/4	
		H : inch	49-5/8	
	Weight	kg	125	
		lbs	276	
Refrigerant pipe size	Gas side O.D.	mm	19.05	
		inch	3/4	
	Liquid side O.D.	mm	9.52	
		inch	3/8	
Refrigerant pipe length	Height difference	m	Max. 50	
	Length	m	Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27℃ (80˚F) W.B. 19℃ (66˚F) Outdoor : D.B. 35℃ (95˚F) W.B. 24℃ (75˚F)
Heating Indoor : D.B. 20℃ (68˚F) Outdoor : D.B. 7℃ (45˚F) W.B. 6℃ (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. 24˚C, W.B. 18˚C
	Lower limit	D.B. 17˚C	D.B. -11˚C, W.B. -12˚C

3. Guaranteed voltage
198~264V, 50Hz : Single phase
342~457V, 50Hz : 3phase
4. Above data based on indicated voltage
Indoor unit Single phase 230V 50Hz
Outdoor unit Single phase 230V 50Hz / 3phase 400V 50Hz

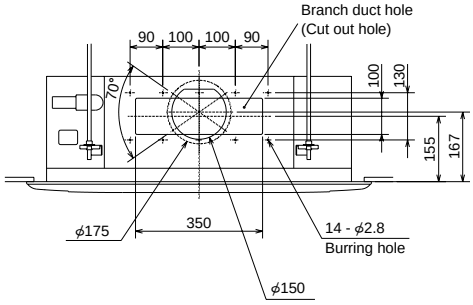
3 OUTLINES AND DIMENSIONS

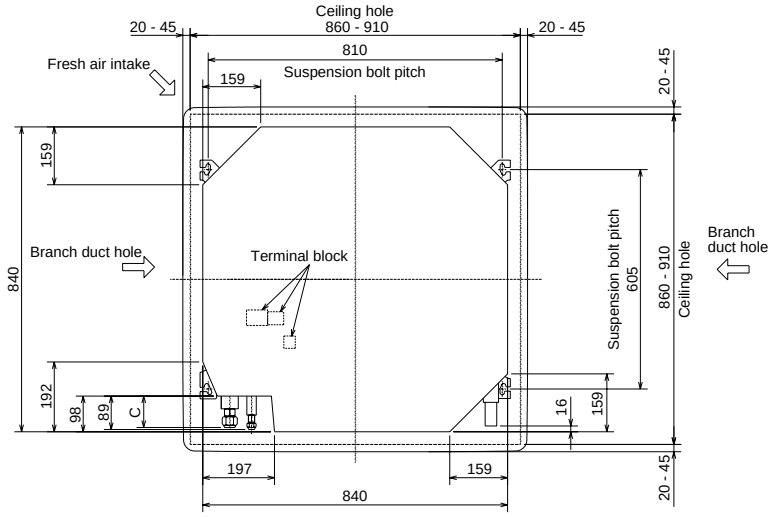
INDOOR UNIT

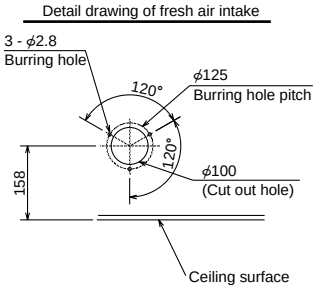
Unit : mm

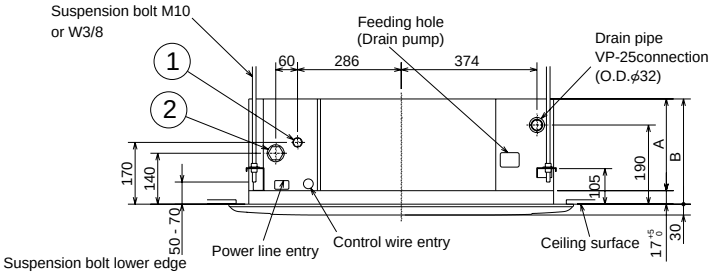
PLA-RP35AA PLA-RP50AA PLA-RP60AA PLA-RP71AA PLA-RP100AA PLA-RP125AA PLA-RP140AA

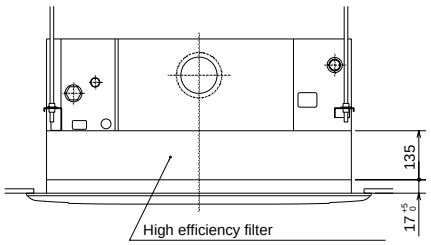
PLH-P35AAH PLH-P50AAH PLH-P60AAH PLH-P71AAH PLH-P100AAH PLH-P125AAH PLH-P140AAH

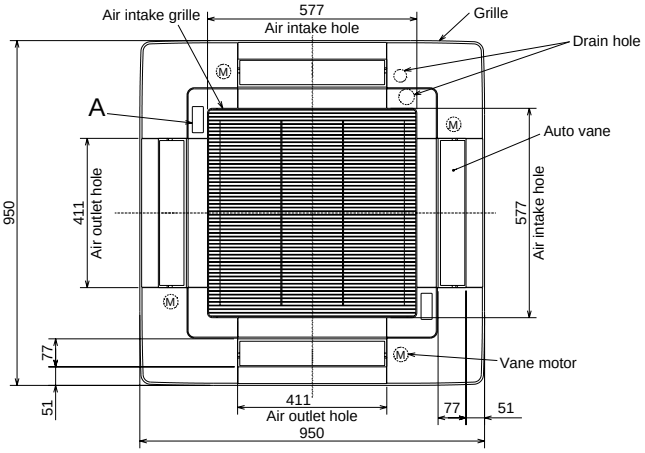




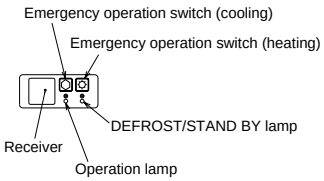








A (WIRELESS PANEL)



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

Available pipe size

	RP35, 50	RP60	RP71	RP100, 125, 140	P35,50,60,71	P100, 125, 140
① LIQUID SIDE	ϕ6.35 ○	ϕ6.35	—	—	—	—
	ϕ9.52	ϕ9.52 ○	ϕ9.52 ○	ϕ9.52 ○	ϕ9.52 ○	ϕ9.52 ○
② GAS SIDE	ϕ12.7○	—	—	—	—	—
	ϕ15.88	ϕ15.88○	ϕ15.88○	ϕ15.88○	ϕ15.88○	—
	—	—	—	ϕ19.05	—	ϕ19.05○

○ Factory flare nut attachment to the heat-exchanger.

Models	A	B	C
PLA-RP35,50,60,71AA PLH-P35,50,60,71AAH	241	258	80
PLA-RP100,125,140AA PLH-P100,125,140AAH	281	298	84

PMH-P25BA PMH-P35BA PMH-P50BA

Unit : mm

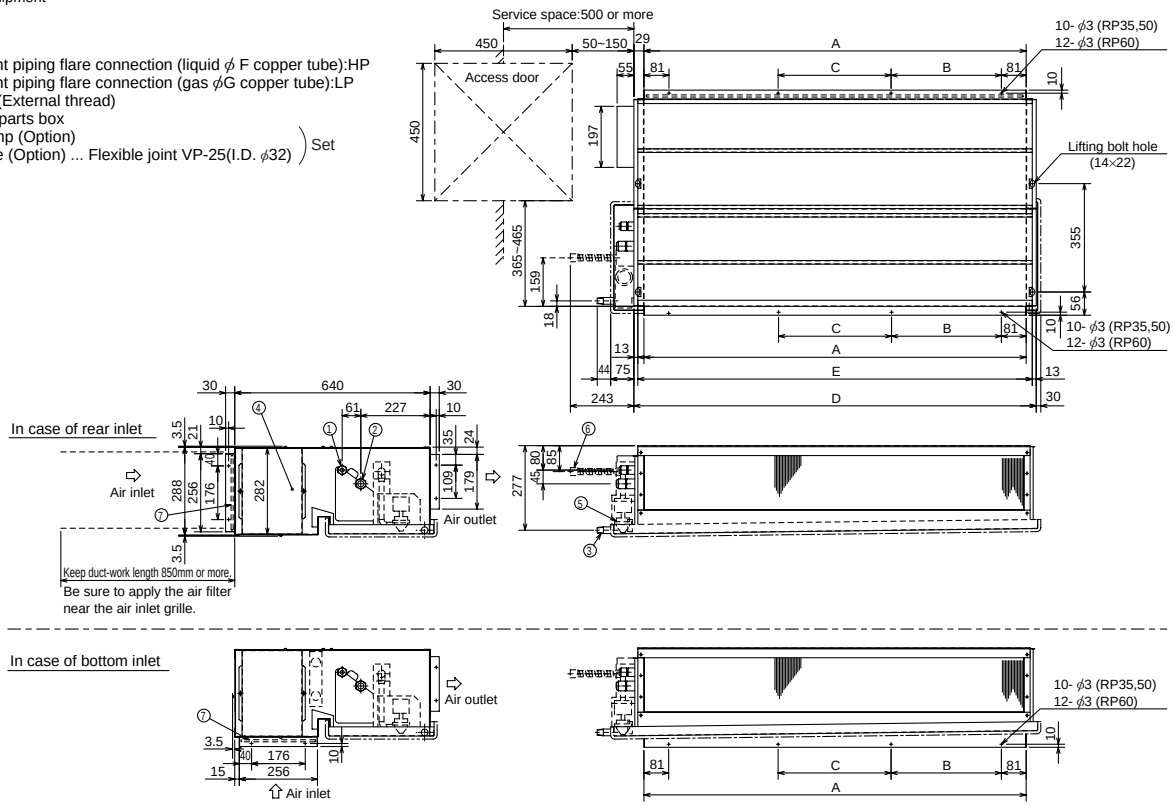
PEAD-RP35EA PEAD-RP50EA PEAD-RP60EA

Unit : mm

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

※ Setting at shipment

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

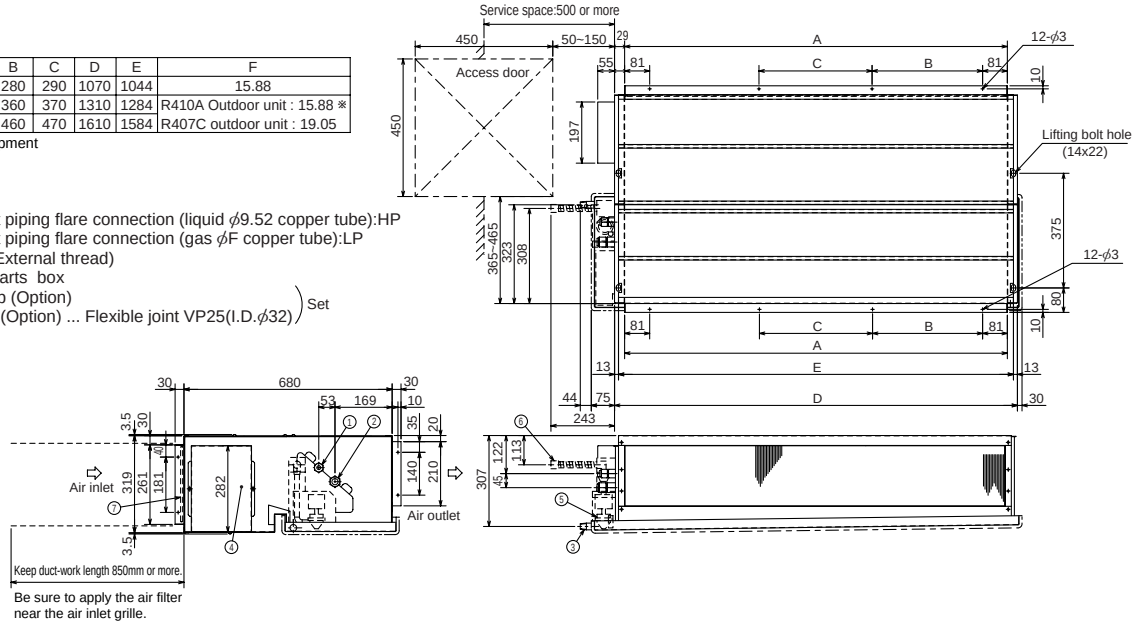


PEAD-RP71EA PEAD-RP100EA PEAD-RP125EA PEAD-RP140EA

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

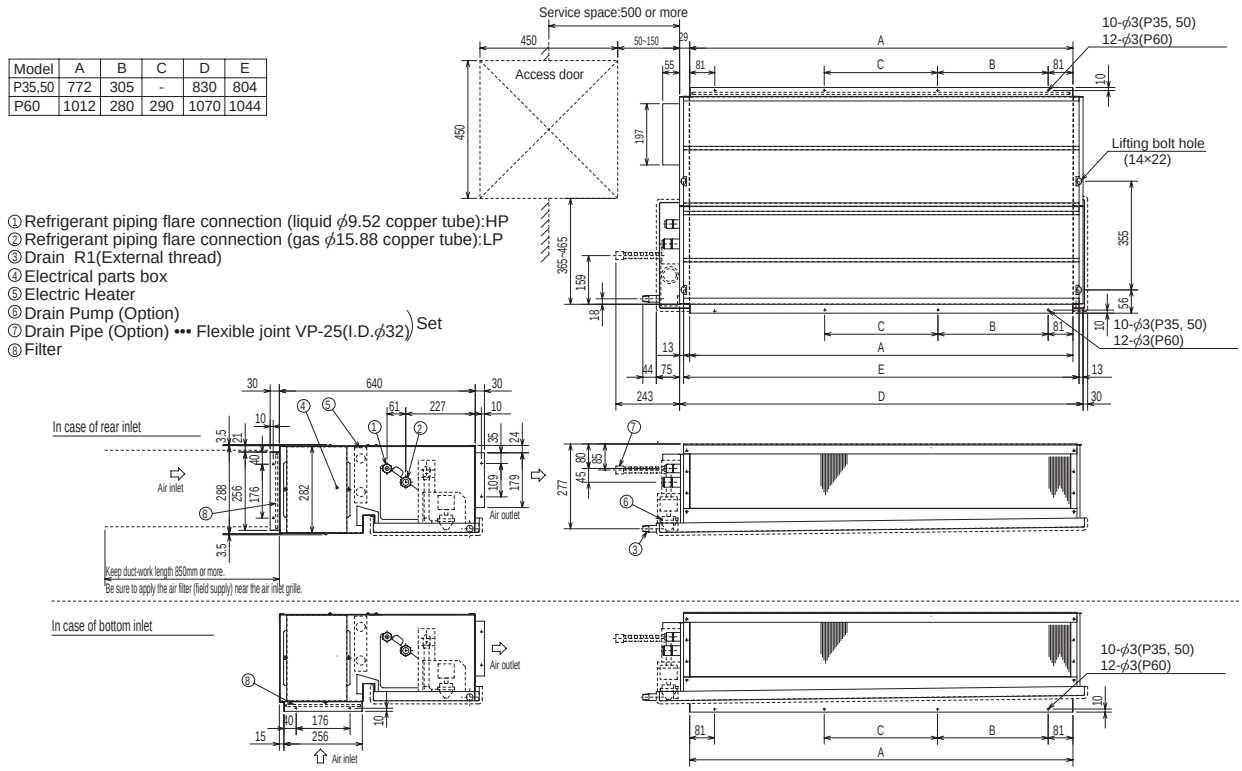
① Refrigerant piping flare connection (liquid ϕ9.52 copper tube):HP
② Refrigerant piping flare connection (gas ϕF copper tube):LP
③ Drain R1 (External thread)
④ Electrical parts box
⑤ Drain Pump (Option)
⑥ Drain Pipe (Option) ... Flexible joint VP25(I.D.ϕ32)) Set
⑦ Filter



PEHD-P35EAH PEHD-P50EAH PEHD-P60EAH

Unit : mm

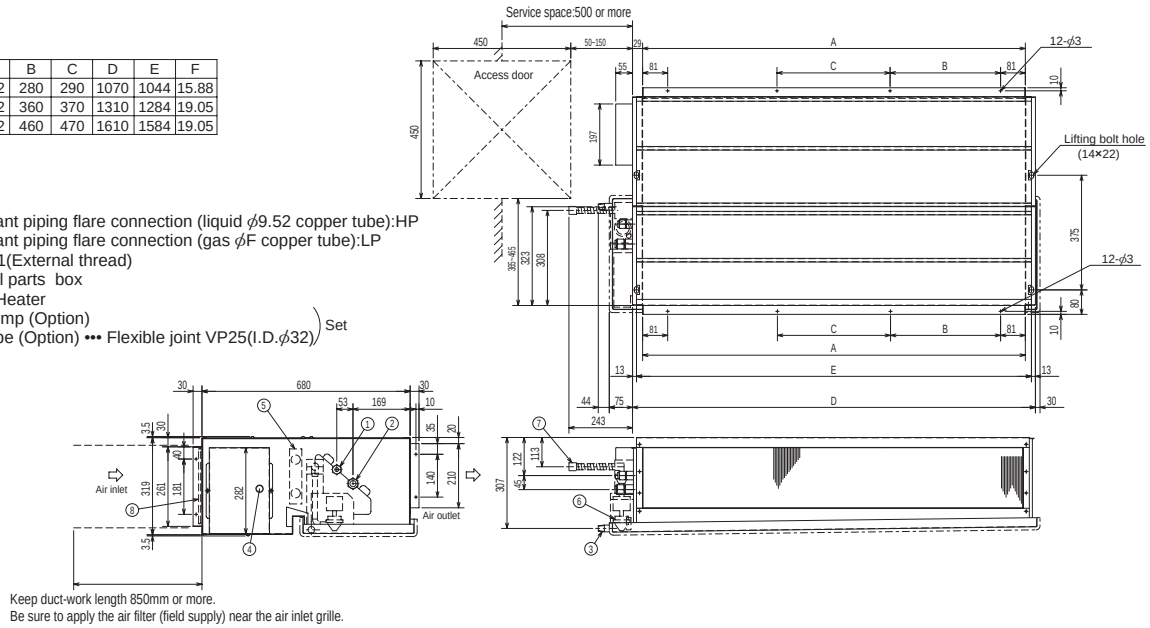
Model	A	B	C	D	E
P35,50	772	305	-	830	804
P60	1012	280	290	1070	1044



① Refrigerant piping flare connection (liquid φ9.52 copper tube):HP
② Refrigerant piping flare connection (gas φ15.88 copper tube):LP
③ Drain R1(External thread)
④ Electrical parts box
⑤ Electric Heater
⑥ Drain Pump (Option)
⑦ Drain Pipe (Option) ••• Flexible joint VP-25(I.D.φ32) Set
⑧ Filter

PEHD-P71EAH PEHD-P100EAH PEHD-P125EAH PEHD-P140EAH

Model	A	B	C	D	E	F
P71	1012	280	290	1070	1044	15.88
P100,125	1252	360	370	1310	1284	19.05
P140	1552	460	470	1610	1584	19.05



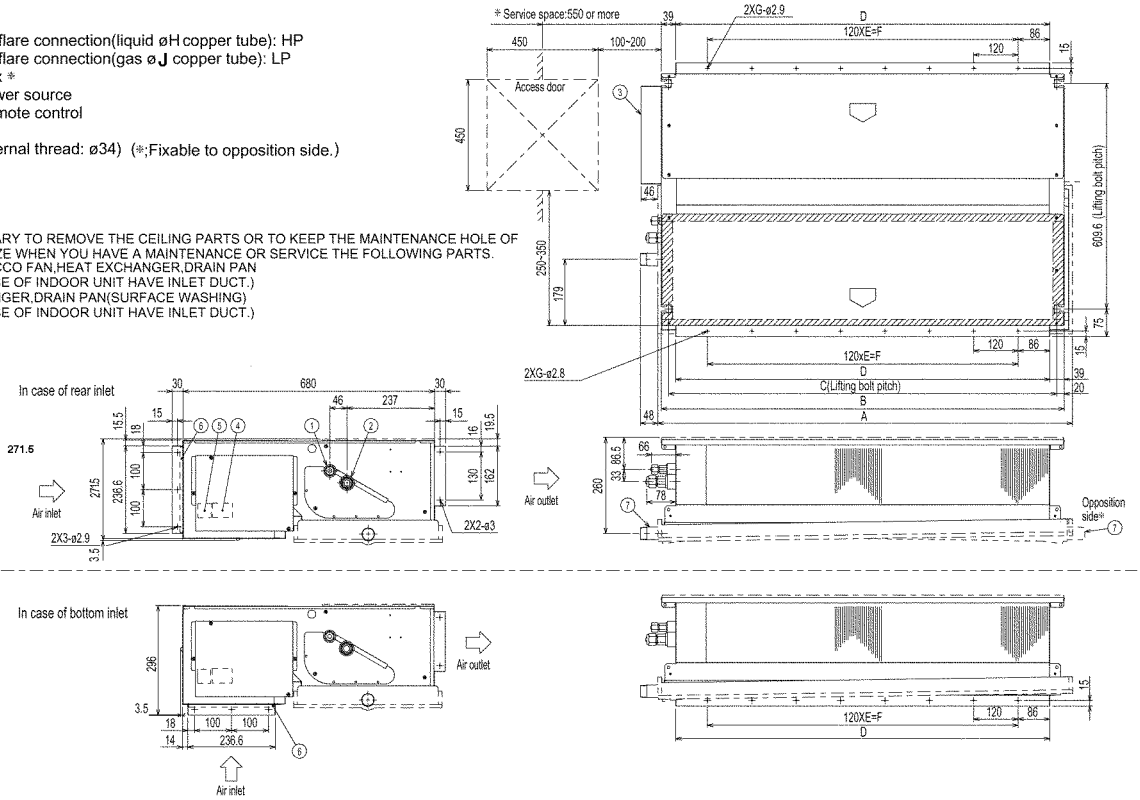
① Refrigerant piping flare connection (liquid φ9.52 copper tube):HP
② Refrigerant piping flare connection (gas φF copper tube):LP
③ Drain R1(External thread)
④ Electrical parts box
⑤ Electric Heater
⑥ Drain Pump (Option)
⑦ Drain Pipe (Option) ••• Flexible joint VP25(I.D.φ32) Set
⑧ Filter

PEAD-RP60GA
PEAD-RP71GA
PEAD-RP100GA

Unit : mm

① Refrigerant piping flare connection(liquid øH copper tube): HP
② Refrigerant piping flare connection(gas ø**J** 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.)

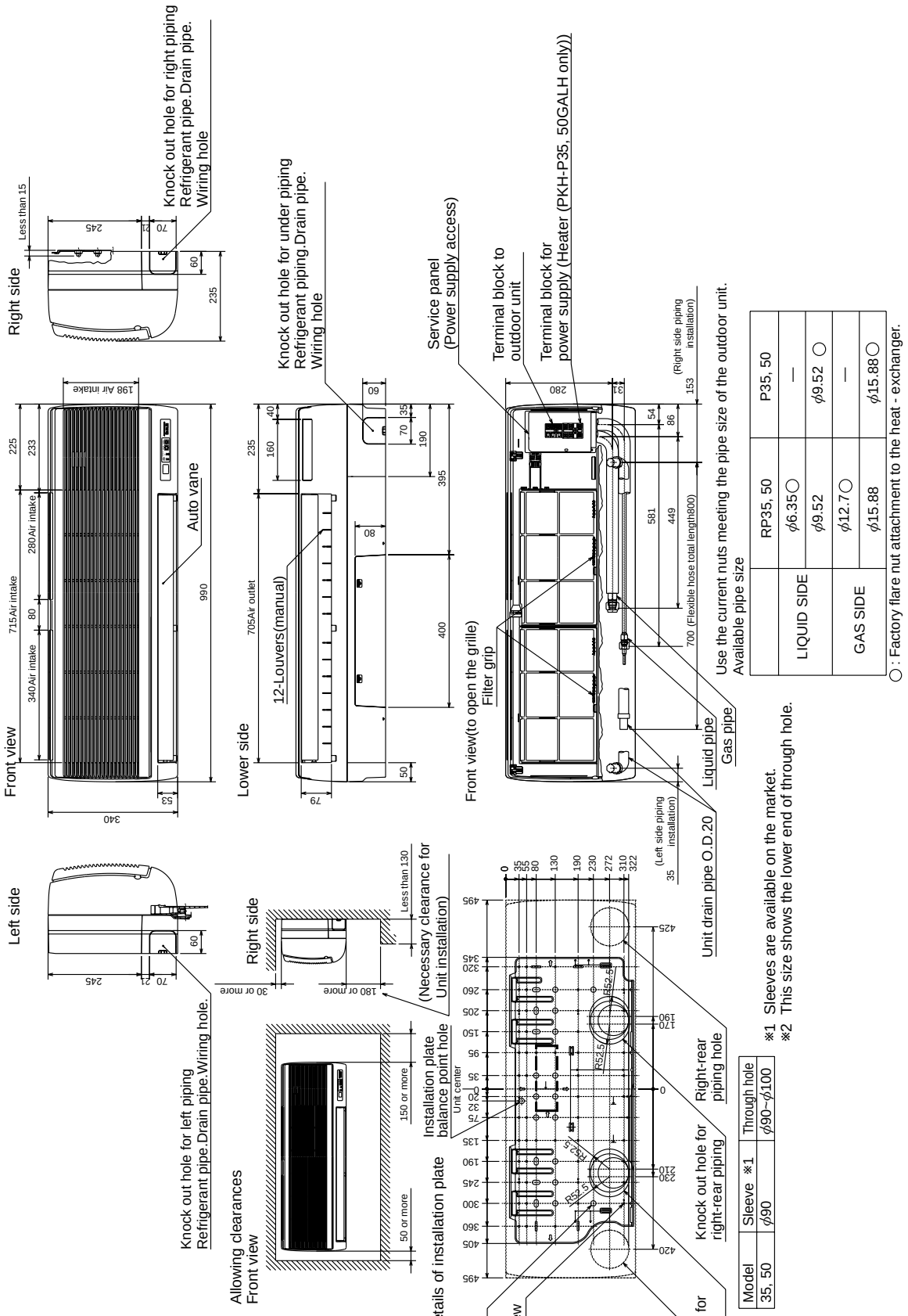


Model	A	B	C	D	E	F	G	H	J
RP60	1125	1090	1050	1012	7	840	8	Outdoor unit(SUZ) : 6.35 Other outdoor unit : 9.52 ※	15.88
RP71	1125	1090	1050	1012	7	840	8	9.52	15.88
RP100	1365	1330	1290	1252	9	1080	10	9.52	R410A Outdoor unit : 15.88 ※ R407C Outdoor unit : 19.05

※ Setting at shipment

PKA-RP35GAL PKA-RP50GAL
PKH-P35GALH PKH-P50GALH

Unit : mm



		RP35, 50	P35, 50
LIQUID SIDE		φ6.35○	—
		φ9.52	φ9.52 ○
GAS SIDE		φ12.7○	—
		φ15.88	φ15.88○

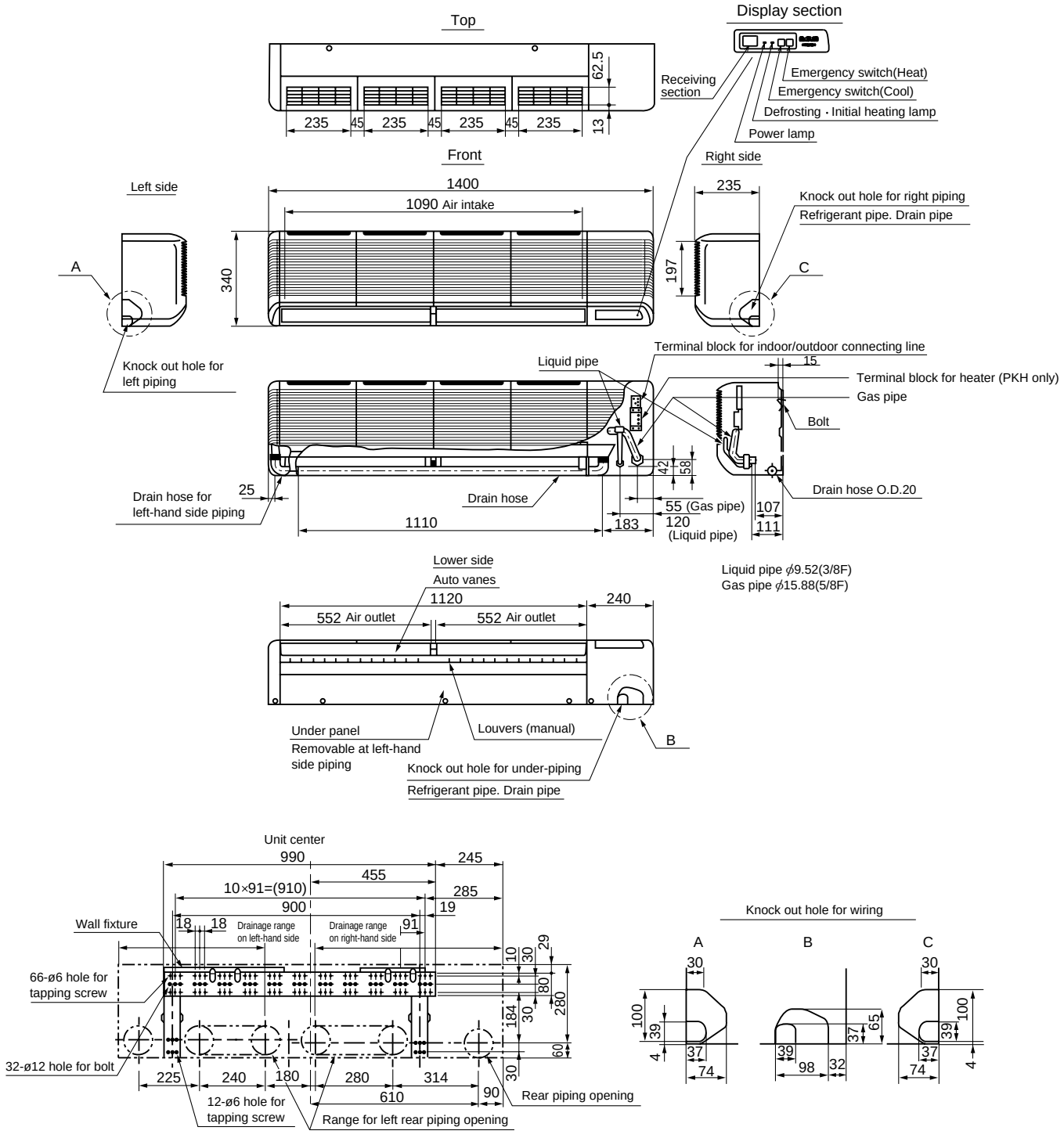
○ : Factory flare nut attachment to the heat - exchanger.

※1 Sleeves are available on the market.
※2 This size shows the lower end of through hole.

Model	Sleeve ※1	Through hole
35, 50	φ90	φ90~φ100

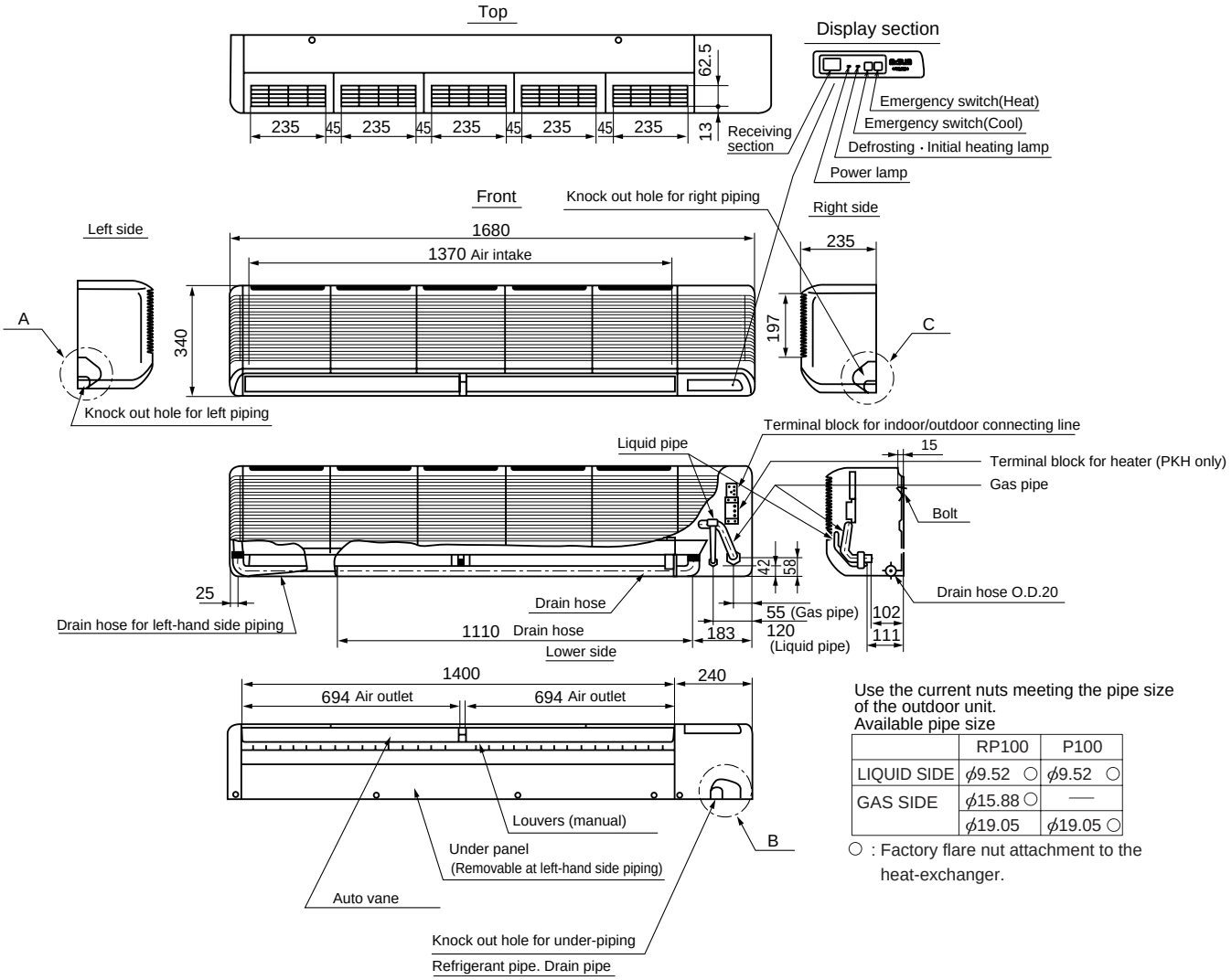
PKA-RP60FAL PKA-RP71FAL
PKH-P60FALH PKH-P71FALH

Unit : mm



PKA-RP100FAL
PKH-P100FALH

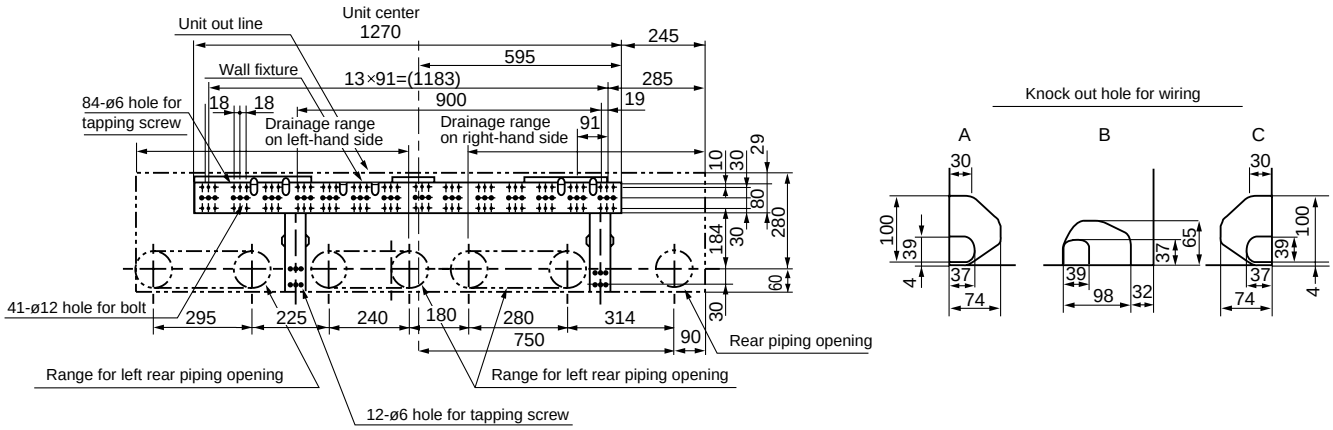
Unit : mm



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

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

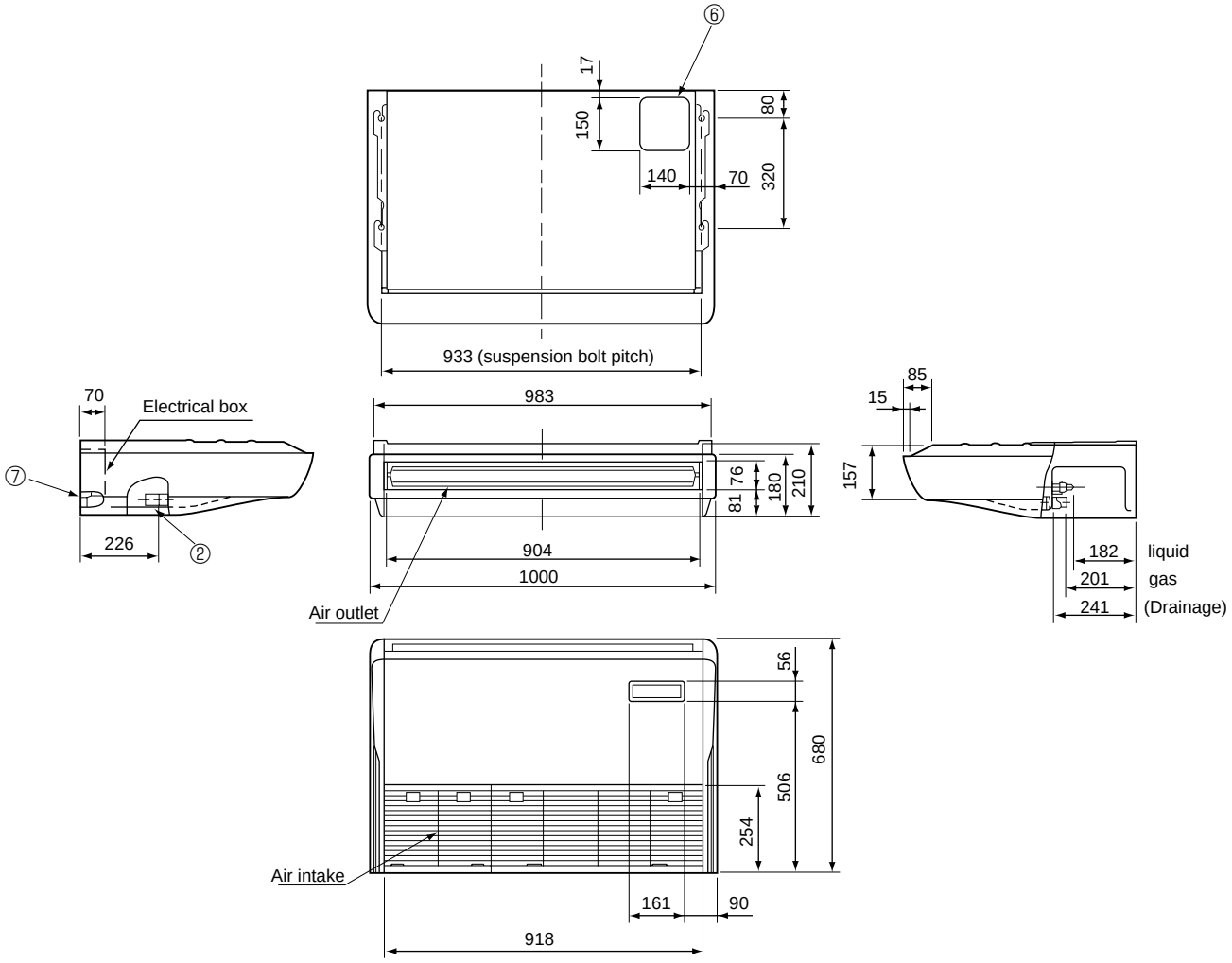
○ : Factory flare nut attachment to the heat-exchanger.

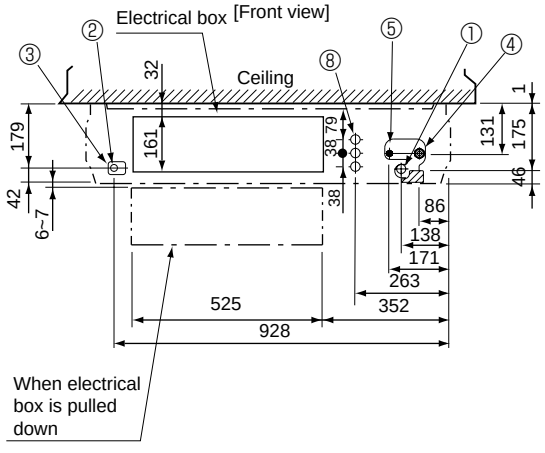


PCA-RP50GA
PCH-P50GAH

Unit : mm

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





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

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

Available pipe size

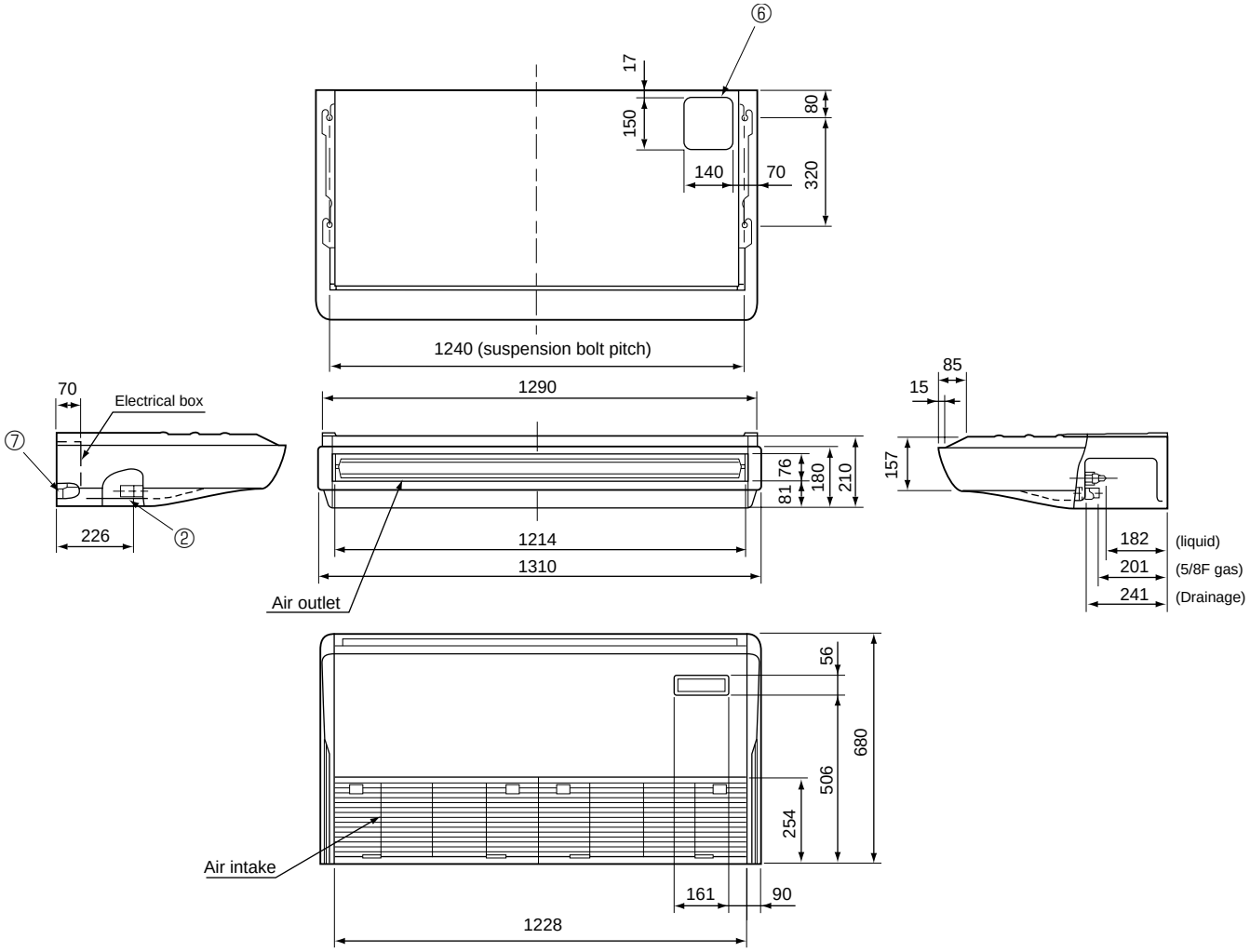
	RP50	P50
⑤ LIQUID SIDE	ϕ6.35 ○	—
	ϕ9.52	ϕ9.52 ○
④ GAS SIDE	ϕ12.7 ○	—
	ϕ15.88	ϕ15.88 ○

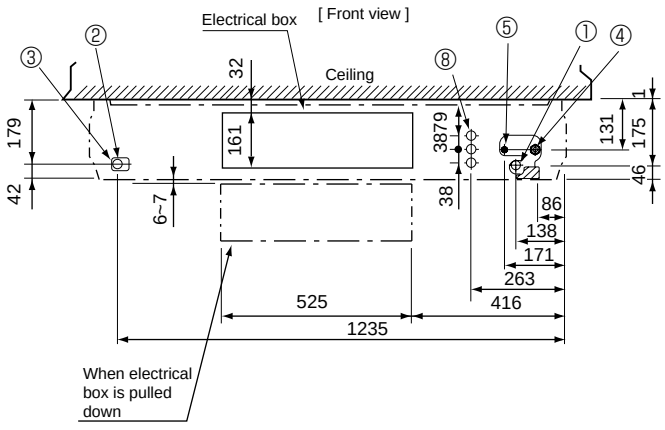
○ : Factory flare nut attachment to the heat-exchanger.

PCA-RP60GA PCA-RP71GA
PCH-P60GAH PCH-P71GAH

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

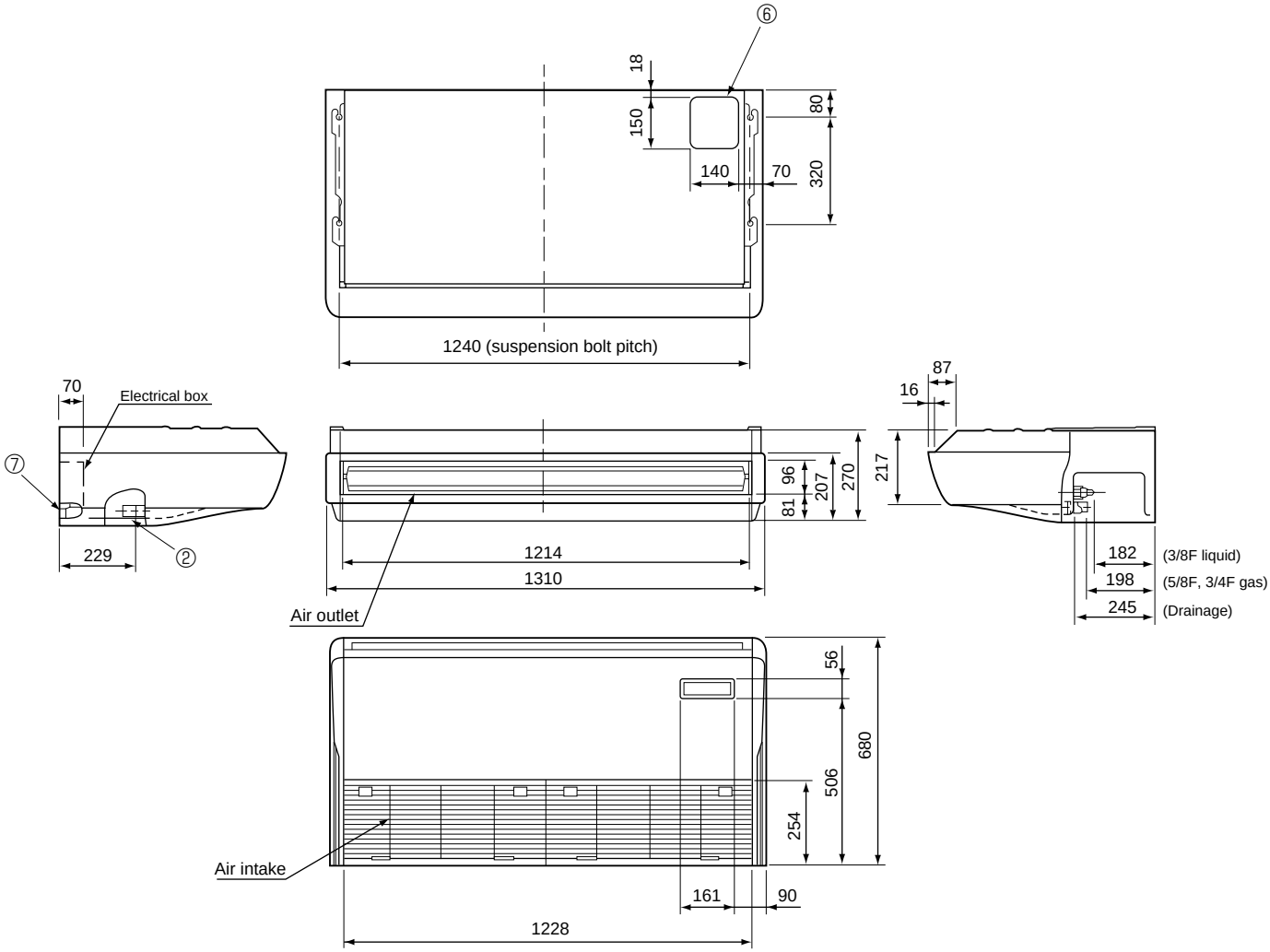
	RP60	RP71,P60,P71
⑤ LIQUID SIDE	ϕ6.35	—
	ϕ9.52 ○	ϕ9.52 ○
④ GAS SIDE	—	—
	ϕ15.88 ○	ϕ15.88 ○
	—	—

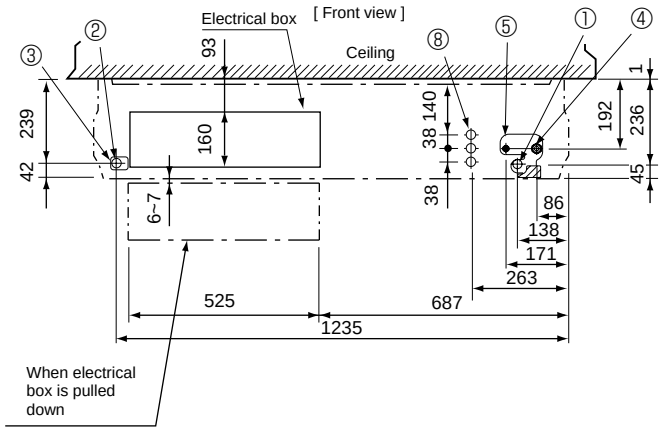
○ : Factory flare nut attachment to the heat-exchanger.

PCA-RP100GA
PCH-P100GAH

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

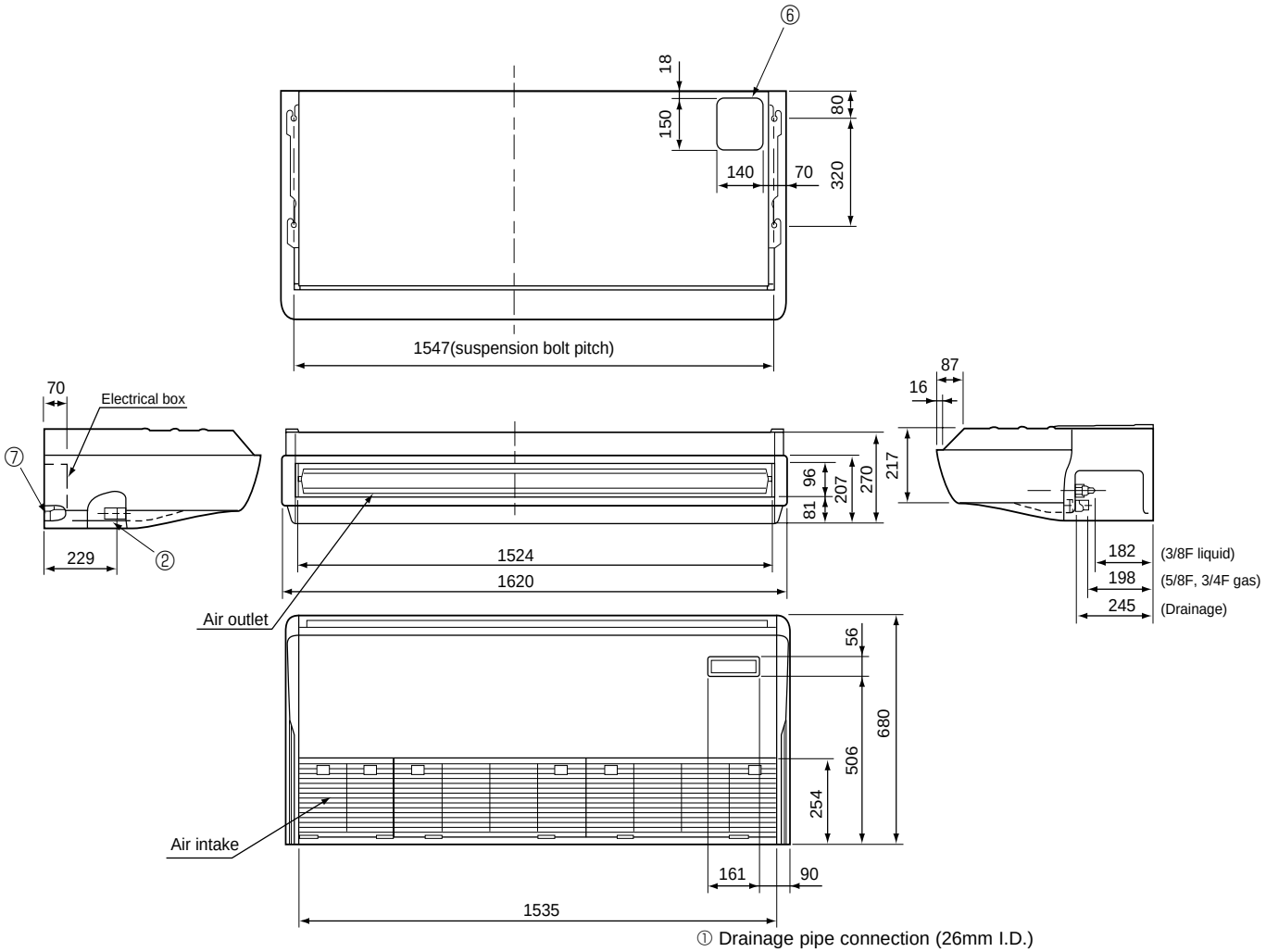
	RP100	P100
⑤ LIQUID SIDE	—	—
	ϕ9.52 ○	ϕ9.52 ○
④ GAS SIDE	—	—
	ϕ15.88 ○	—
	ϕ19.05	ϕ19.05 ○

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

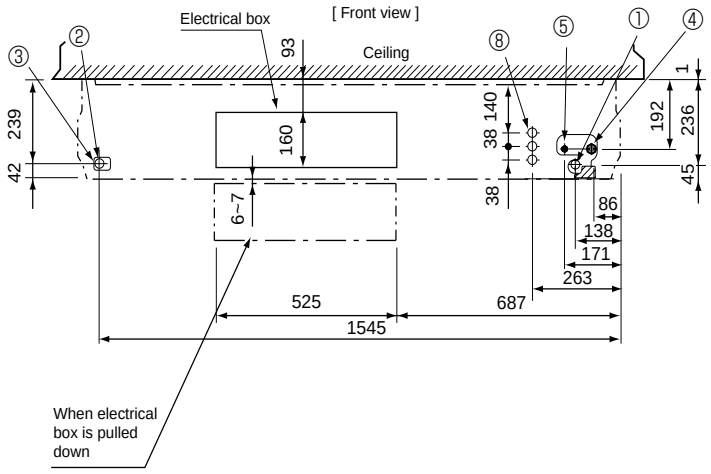
PCA-RP125GA PCA-RP140GA
PCH-P125GAH PCH-P140GAH

Unit : mm

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



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

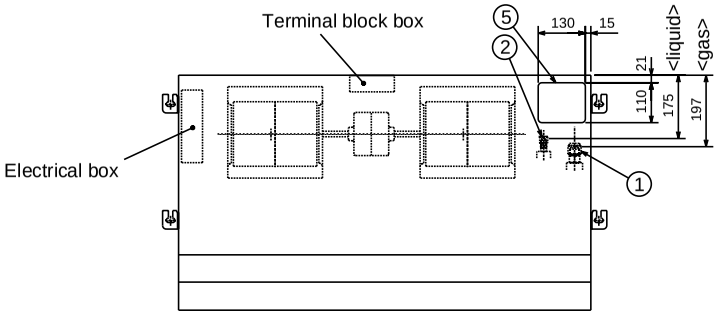


Use the current nuts meeting the pipe size of the outdoor unit.

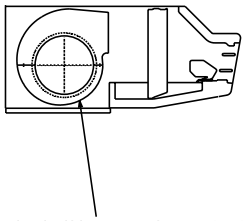
Available pipe size

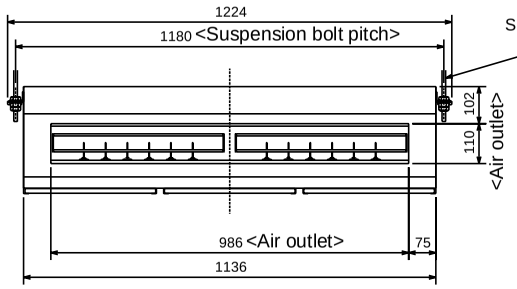
	RP125,140	P125,140
⑤ LIQUID SIDE	—	—
	ϕ9.52 ○	ϕ9.52 ○
④ GAS SIDE	—	—
	ϕ15.88○	—
	ϕ19.05	ϕ19.05○

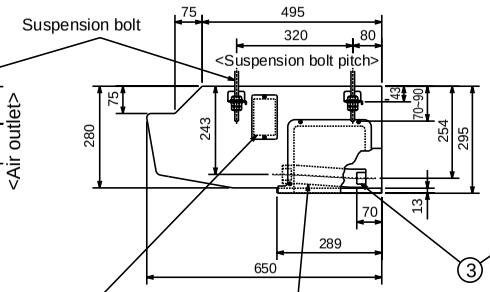
○ :Factory flare nut attachment to the heat-exchanger.

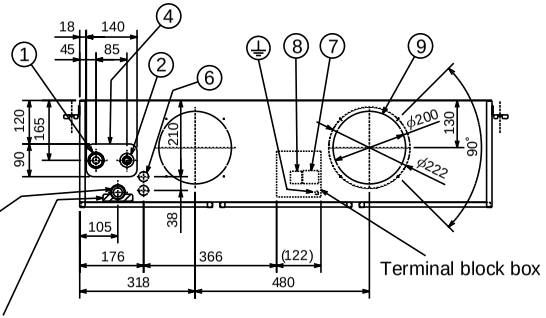


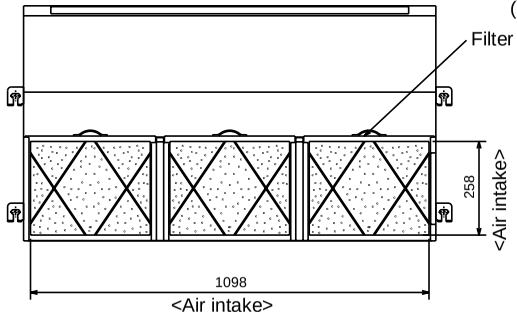
① Refrigerant-pipe connection(gas pipe side/flared connection : 5/8F)
② Refrigerant-pipe connection(liquid pipe side/flared connection : 3/8F)
③ Flexible hose(accessory)→Drainage pipe connection(26mm I.D.)
④ Knock out hole for behind refrigerant-piping arrangement
⑤ Knock out hole for upper refrigerant-pipe 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.)



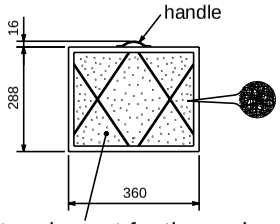






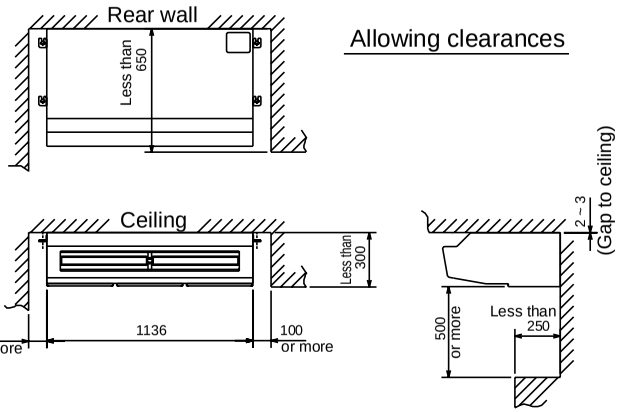


<Filter contour dimension>



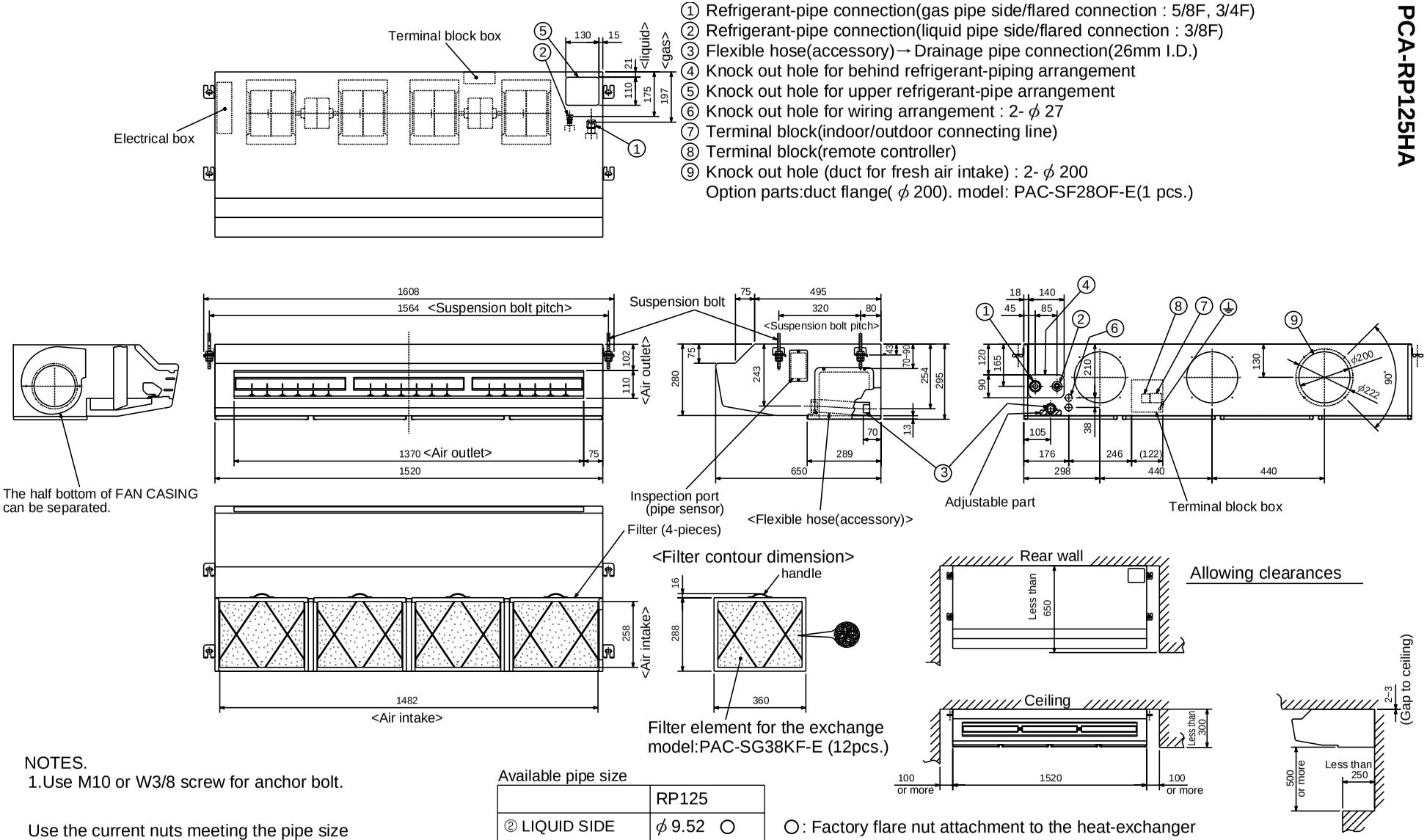
Filter element for the exchange
model:PAC-SG38KF-E (12pcs.)

Allowing clearances



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

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

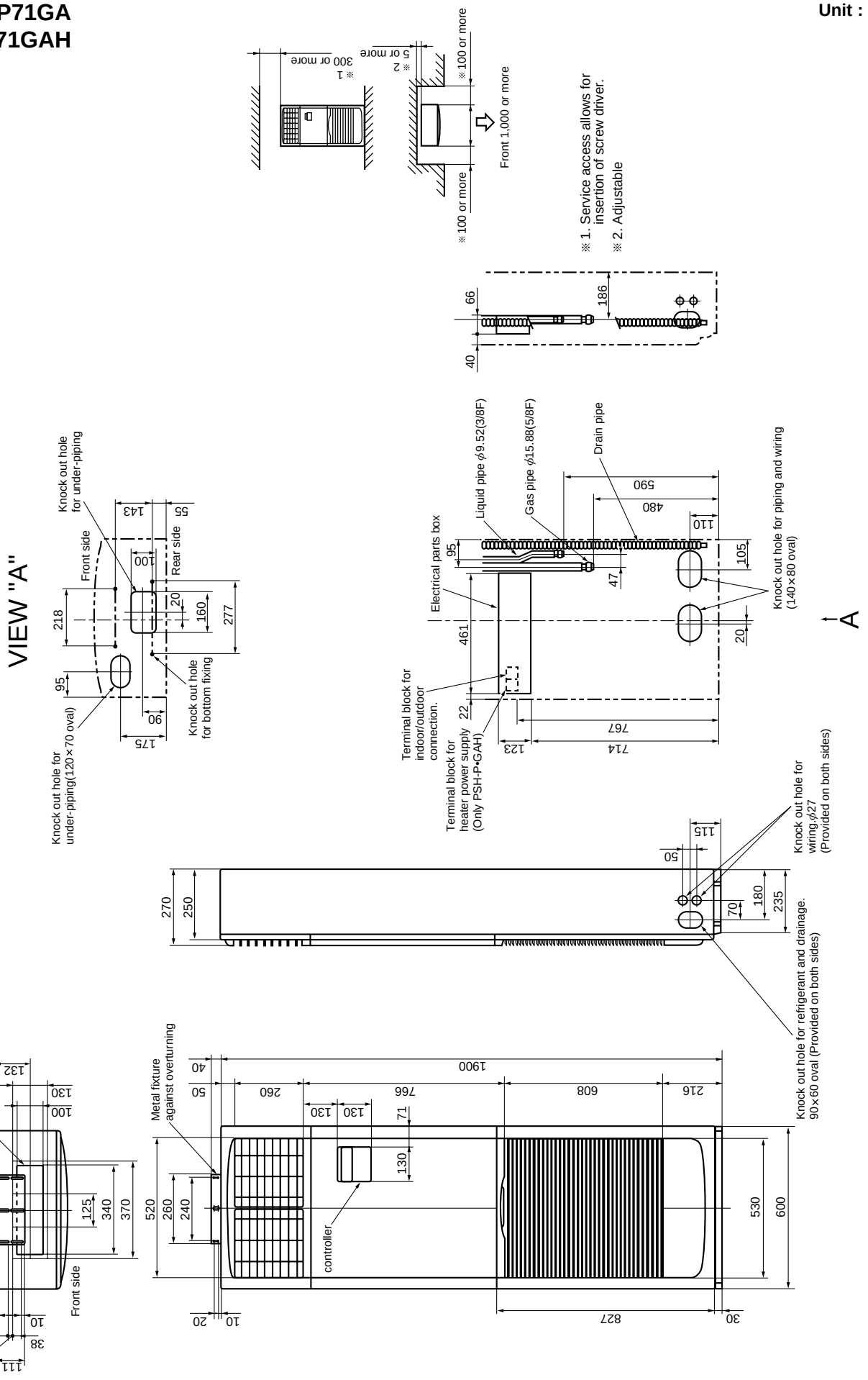
	RP125
② LIQUID SIDE	ϕ 9.52 ○
① GAS SIDE	ϕ 15.88 ○
	ϕ 19.05

○: Factory flare nut attachment to the heat-exchanger

Unit : mm

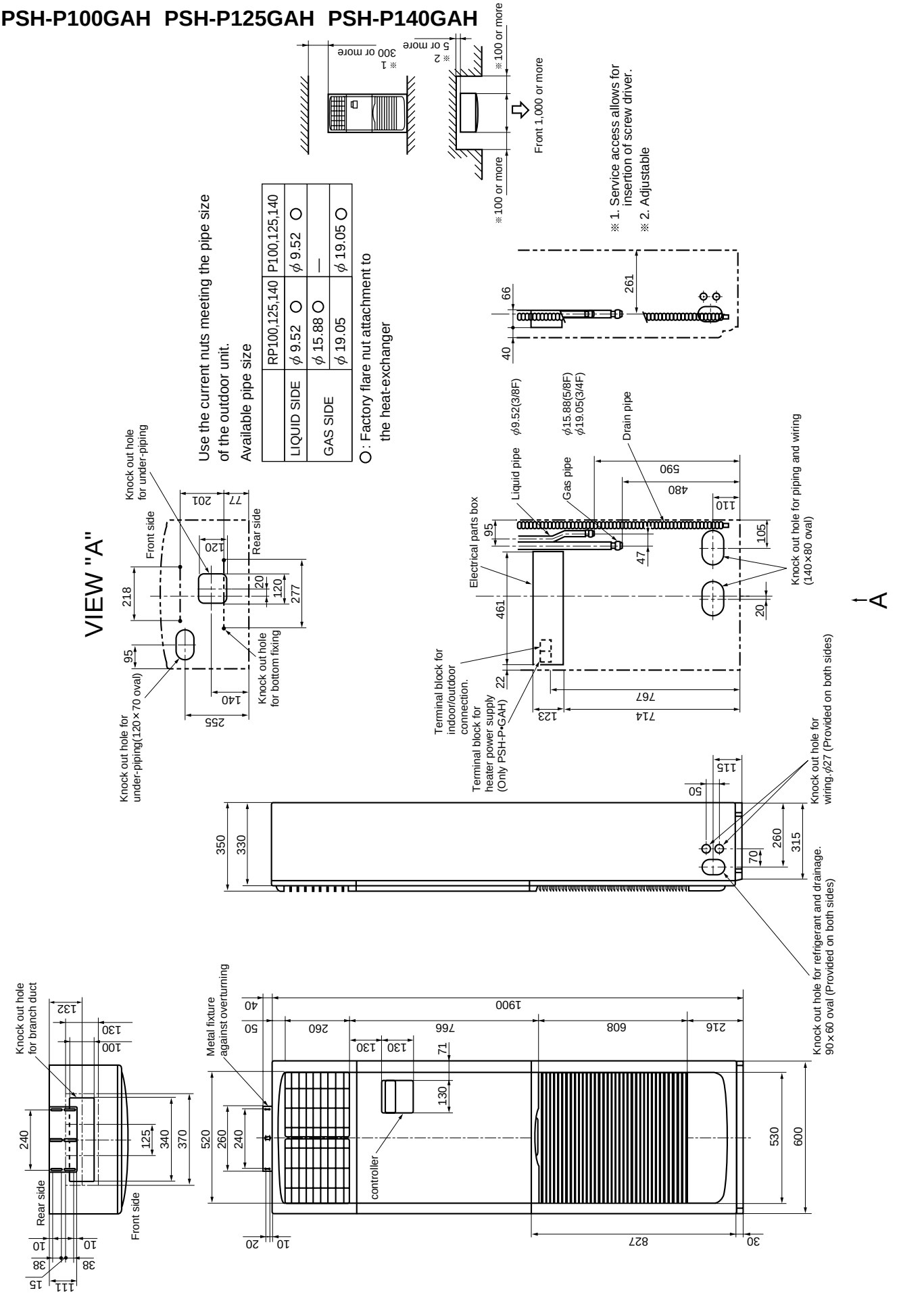
PSA-RP71GA
PSH-P71GAH

Unit : mm



PSA-RP100GA PSA-RP125GA PSA-RP140GA
PSH-P100GAH PSH-P125GAH PSH-P140GAH

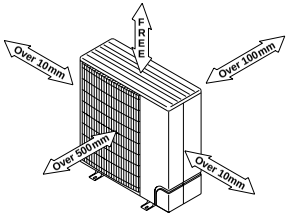
Unit : mm



OUTDOOR UNIT
PUH-P25VGAA
PUH-P35VGAA
PUH-P35YGAA
PU-P35VGAA
PU-P35YGAA

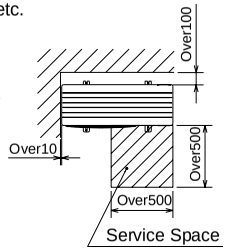
1 FREE SPACE (Around the Unit)

The diagram below shows a basic example.
Explanation of particular details are given in the installation manuals etc.



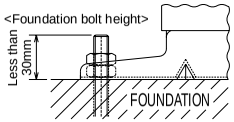
2 SERVICE SPACE

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



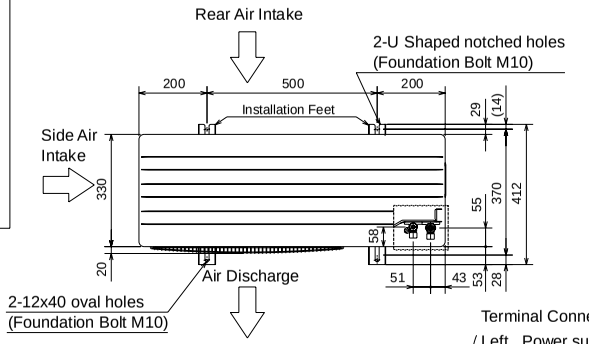
3 FOUNDATION BOLTS

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



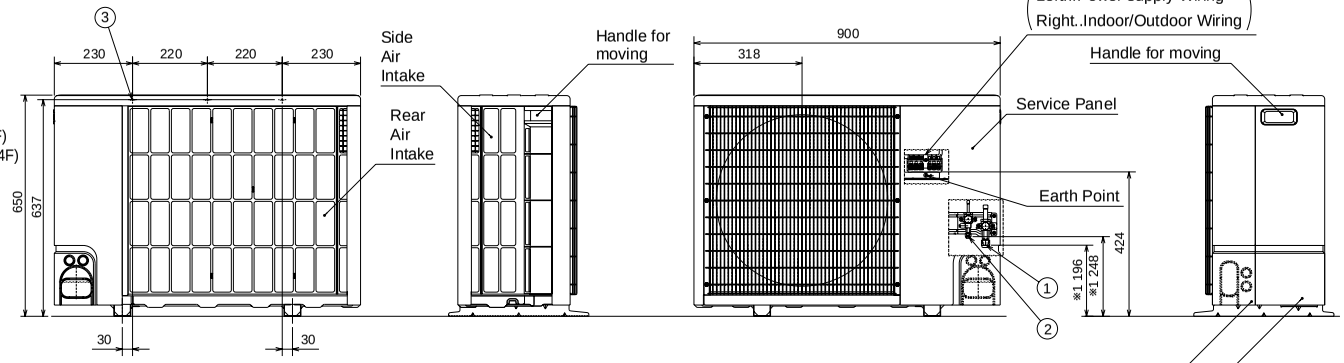
4 PIPING-WIRING DIRECTIONS

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

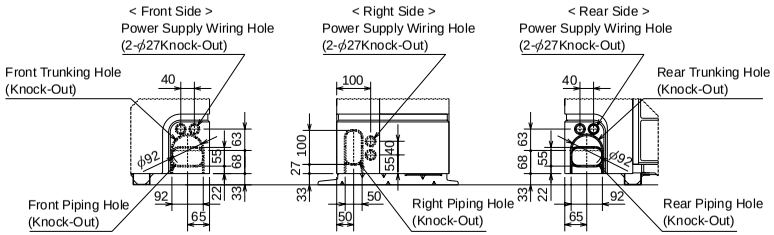


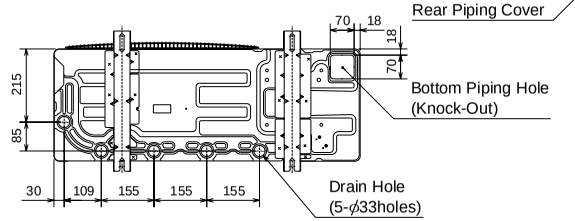
Explanation of Notes

① · · Refrigerant GAS pipe connection (FLARE)P35V(Y)GAA: ϕ15.88 (5/8F)
① · · Refrigerant GAS pipe connection (FLARE)P25VGAA : ϕ12.7 (1/2F)
② · · Refrigerant LIQUID pipe connection (FLARE)P35V(Y)GAA: ϕ9.52 (3/8F)
② · · Refrigerant LIQUID pipe connection (FLARE)P25VGAA : ϕ6.35 (1/4F)
※1 · · Height of STOP VALVE connection location.
③ · · 3-ϕ3.6 holes (for securing the top of the unit)
These holes are provided for cases where the unit must be secured by the base AND by the top surface.
Use Self Tapping screws 5 x L15 or less.(Obtained locally)



Piping Knock-Out Hole Details

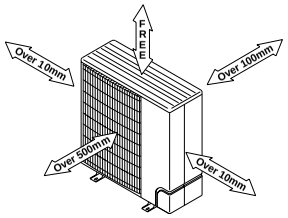




Unit : mm

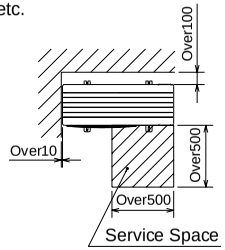
1 FREE SPACE (Around the Unit)

The diagram below shows a basic example.
Explanation of particular details are given in the installation manuals etc.



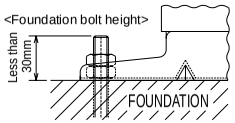
2 SERVICE SPACE

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



3 FOUNDATION BOLTS

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

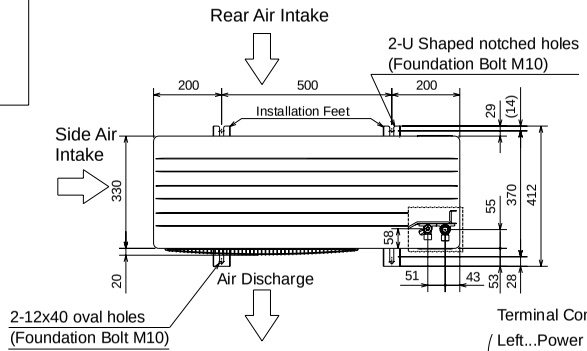


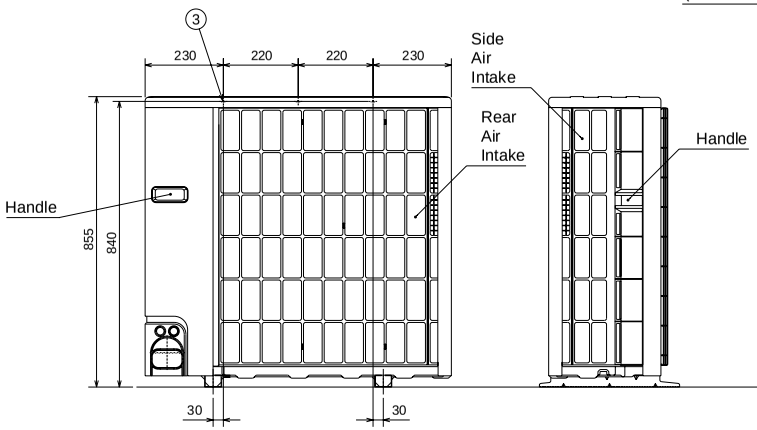
4 PIPING-WIRING DIRECTIONS

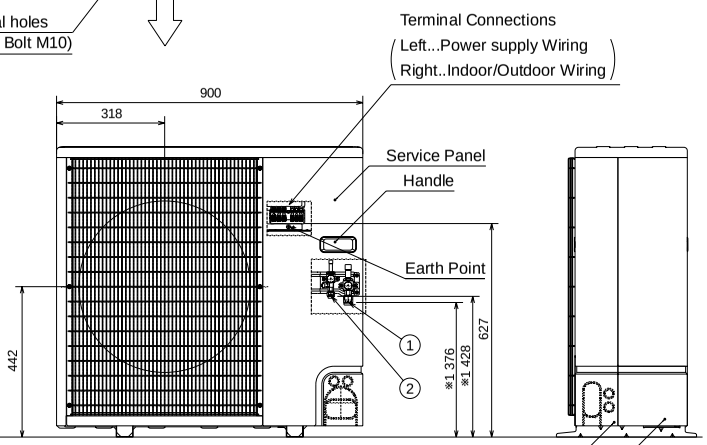
Piping and wiring connections can be made from 4 directions: Front, Right, Rear and Below.

Explanation of Notes

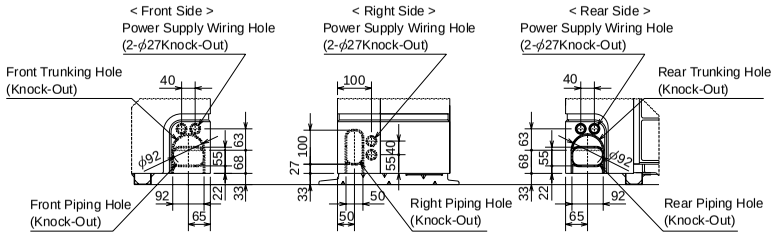
①・・・ Refrigerant GAS pipe connection (FLARE) ϕ15.88 (5/8F)
②・・・ Refrigerant LIQUID pipe connection (FLARE) ϕ9.52 (3/8F)
※1・・・ Height of STOP VALVE connection location.
③・・・ 3-ϕ3.6 holes (for securing the top of the unit)
These holes are provided for cases where the unit must be secured by the base AND by the top surface together.
Use Self Tapping screws 5 x L15 or less.
(Obtained Locally)

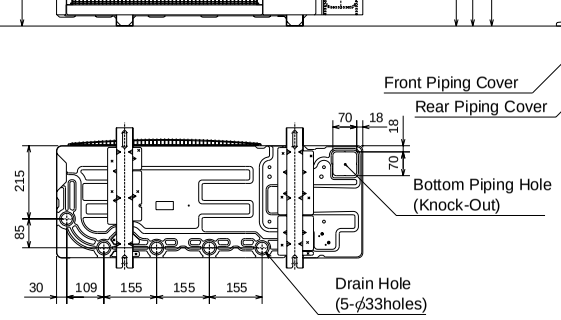






Piping Knock-Out Hole Details

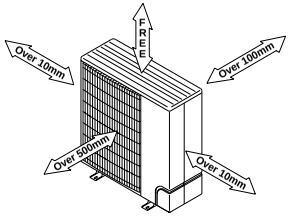




Unit : mm

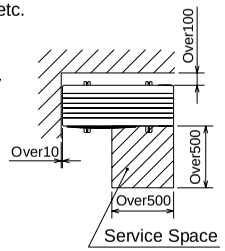
1 FREE SPACE (Around the Unit)

The diagram below shows a basic example.
Explanation of particular details are given in the installation manuals etc.



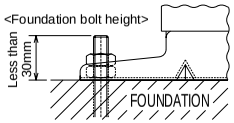
2 SERVICE SPACE

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



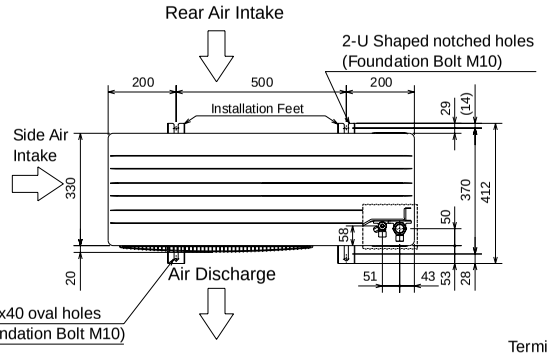
3 FOUNDATION BOLTS

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



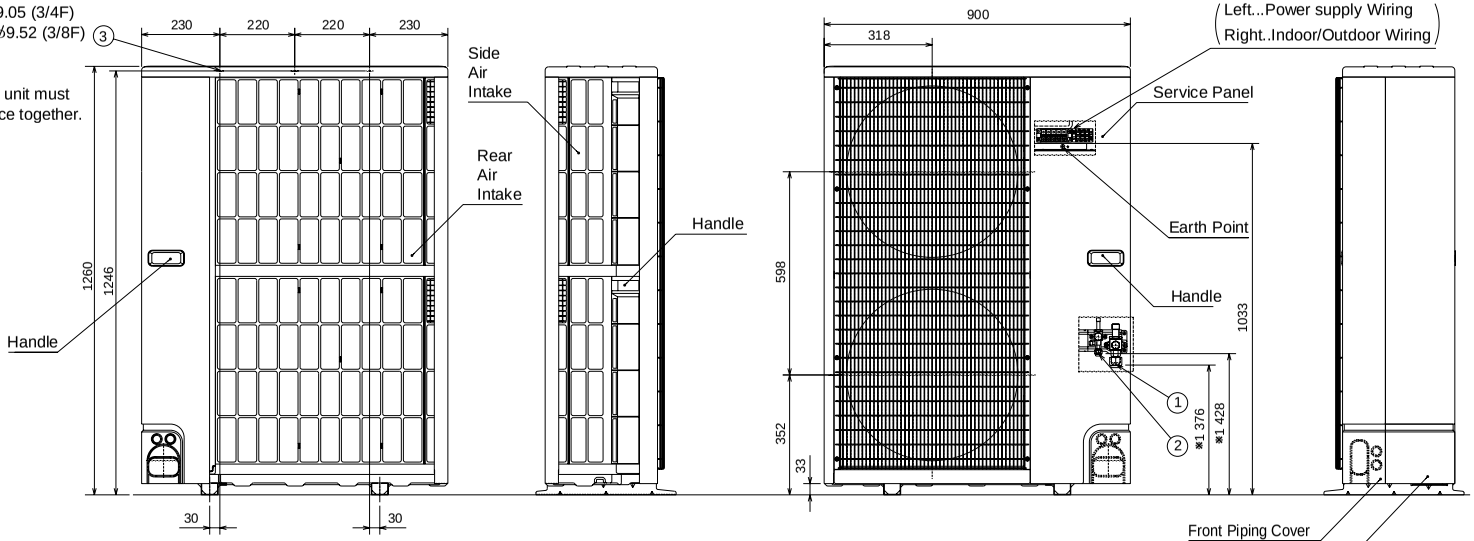
4 PIPING-WIRING DIRECTIONS

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

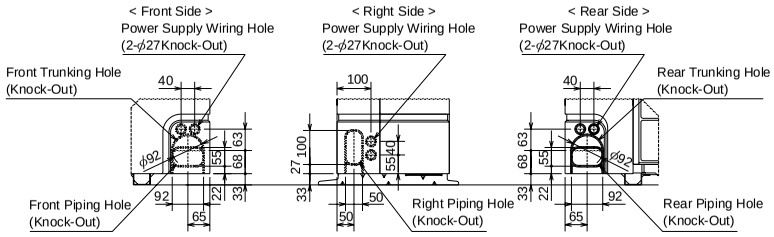


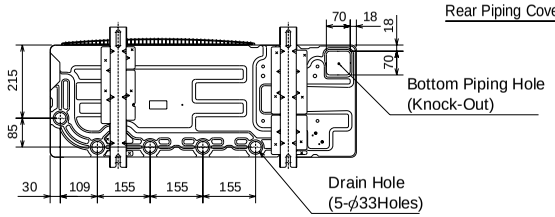
Explanation of Notes

① · · · Refrigerant GAS pipe connection(FLARE) ϕ19.05 (3/4F)
② · · · Refrigerant LIQUID pipe connection(FLARE) ϕ9.52 (3/8F)
※1 · · · Height of STOP VALVE connection location.
③ · · · 3-ϕ3.6 holes (for securing the top of the unit)
These holes are provided for cases where the unit must be secured by the base AND by the top surface together.
Use Self Tapping screws 5 x L15 or less.
(Obtained Locally)



Piping Knock-Out Hole Details

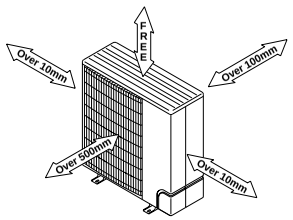




Unit : mm

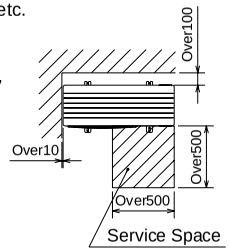
1 FREE SPACE (Around the Unit)

The diagram below shows a basic example.
Explanation of particular details are given in the installation manuals etc.



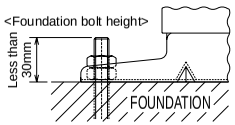
2 SERVICE SPACE

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



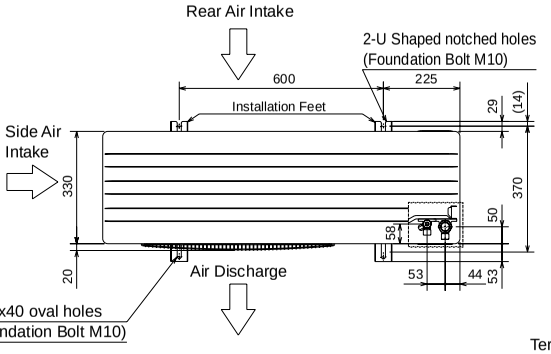
3 FOUNDATION BOLTS

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



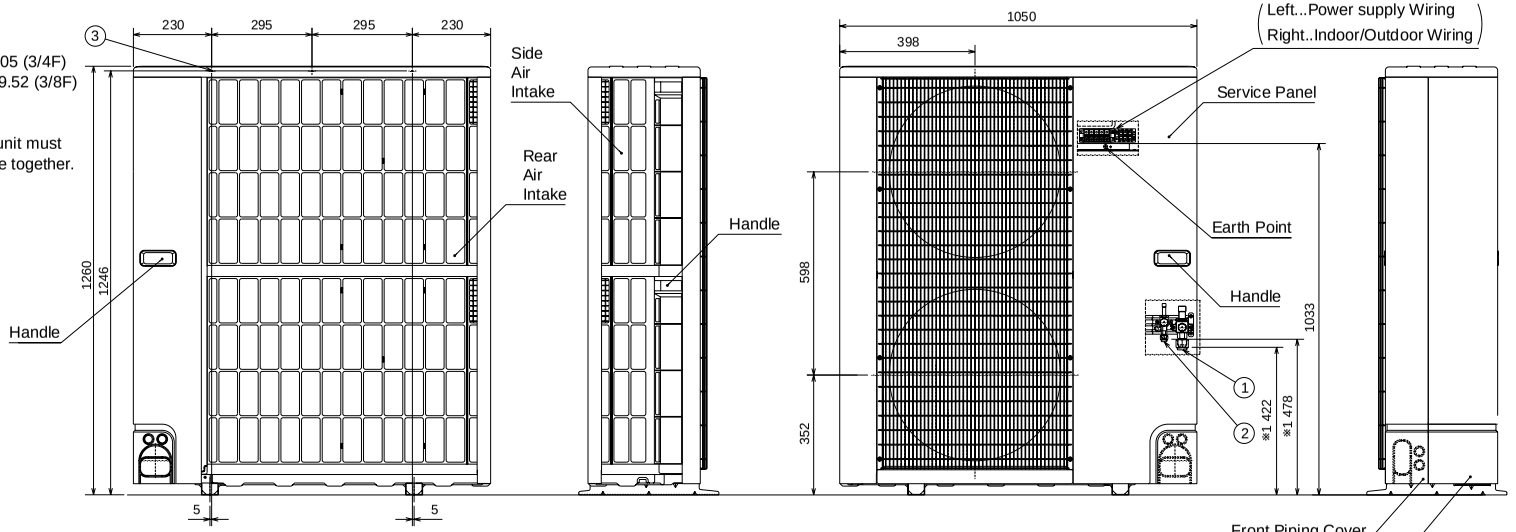
4 PIPING-WIRING DIRECTIONS

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

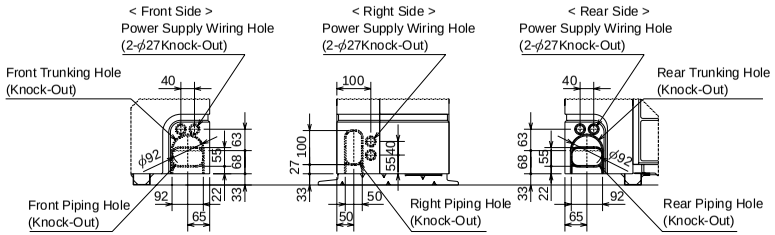


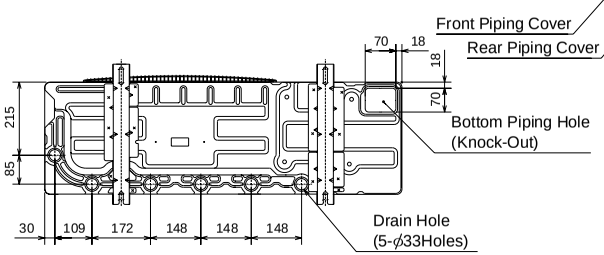
Explanation of Notes

①・・・ Refrigerant GAS pipe connection(FLARE) ϕ19.05 (3/4F)
②・・・ Refrigerant LIQUID pipe connection(FLARE) ϕ9.52 (3/8F)
※1・・・ Height of STOP VALVE connection location.
③・・・ 3-ϕ3.6 holes (for securing the top of the unit)
These holes are provided for cases where the unit must be secured by the base AND by the top surface together.
Use Self Tapping screws 5 x L15 or less.
(Obtained Locally)



Piping Knock-Out Hole Details

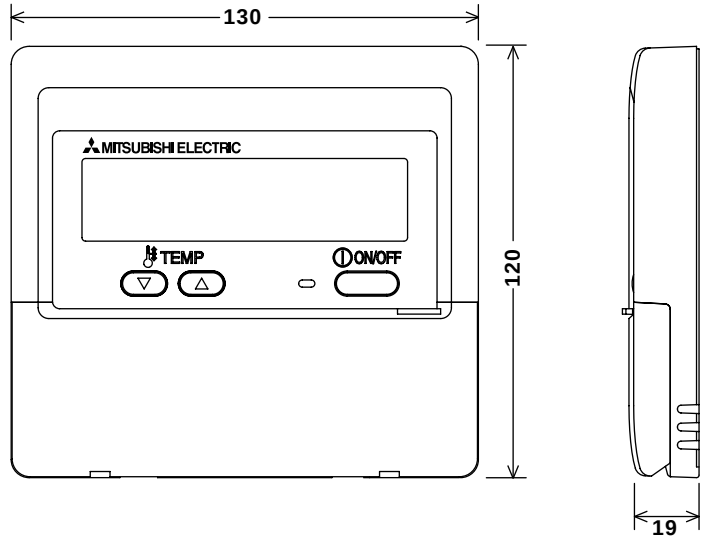


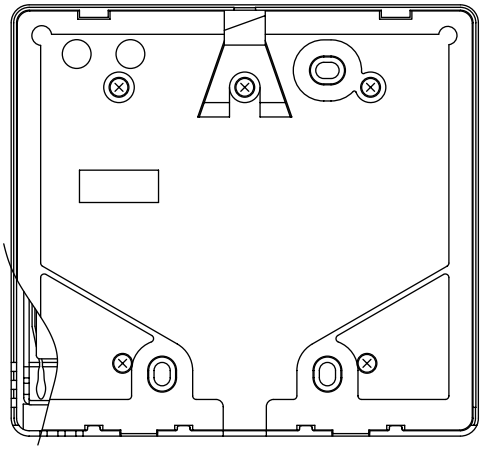


Unit : mm

WIRED REMOTE CONTROLLER

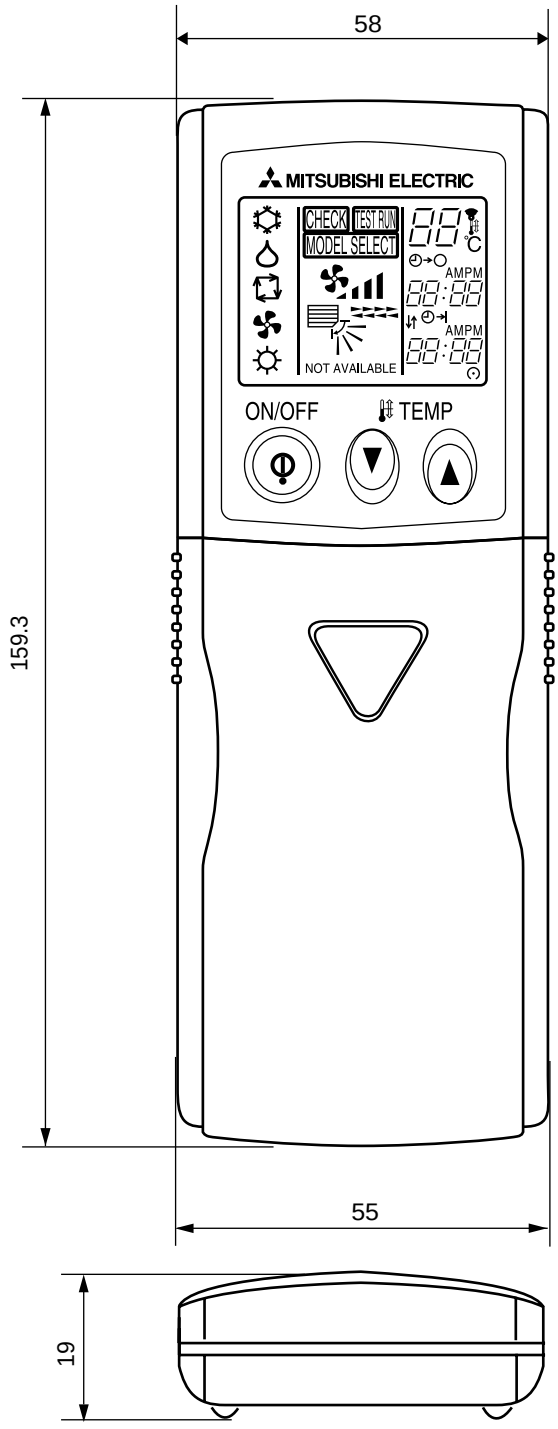
Unit : mm





WIRELESS REMOTE CONTROLLER

Unit : mm

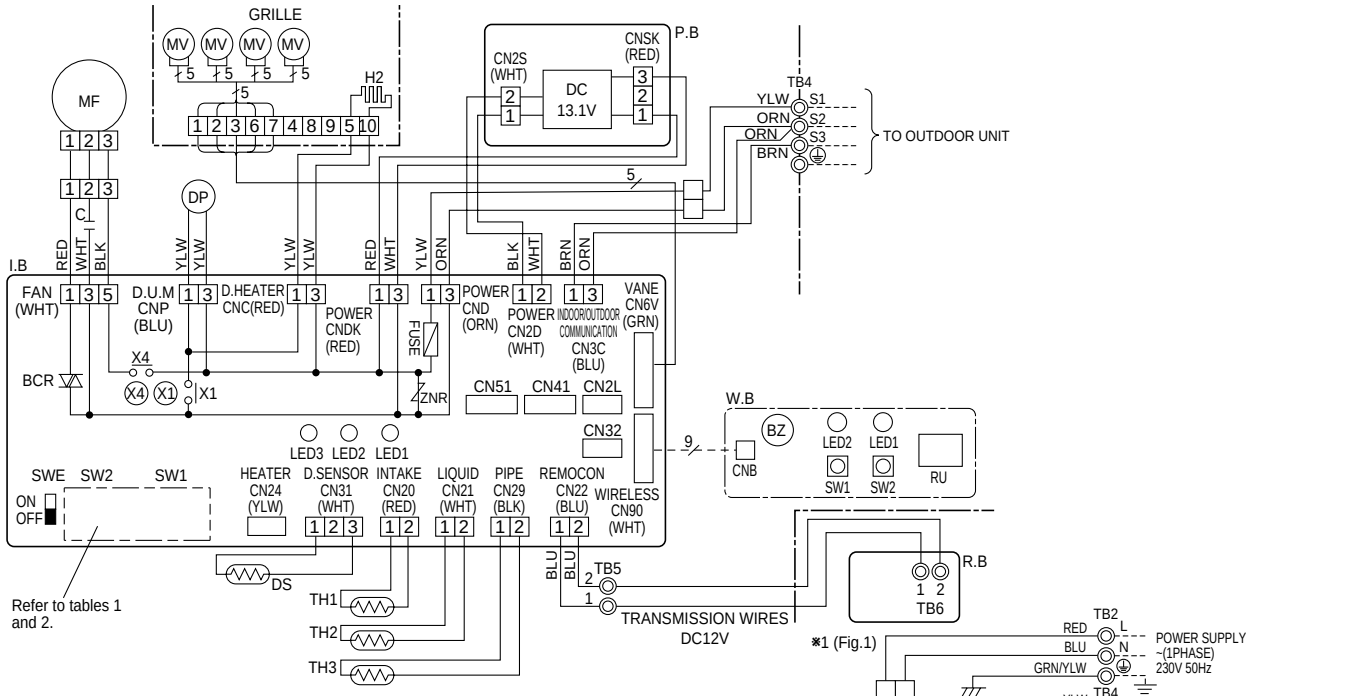


4 WIRING DIAGRAM

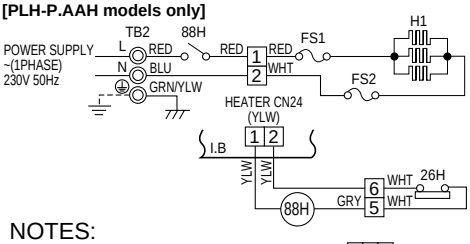
PLA-RP35AA PLA-RP50AA PLA-RP60AA PLA-RP71AA PLA-RP100AA PLA-RP125AA PLA-RP140AA
PLH-P35AAH PLH-P50AAH PLH-P60AAH PLH-P71AAH PLH-P100AAH PLH-P125AAH PLH-P140AAH

[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 (HEATER)※PLH-P.AAH	SW1	SWITCH(HEATING ON/OFF)
CN32	CONNECTOR(REMOTE SWITCH)		models only or option for PLA-RP.AA models.	SW2	SWITCH(COOLING ON/OFF)
CN41	CONNECTOR(HA TERMINAL-A)	TB4	TERMINAL BLOCK (INDOOR/	HEATER	
CN51	CONNECTOR(CENTRALLY CONTROL)		OUTDOOR CONNECTING LINE)	FS1	THERMAL FUSE(72℃, 16A)
LED1	POWER SUPPLY(I.B)	TB5, TB6	TERMINAL BLOCK(REMOTE	FS2	THERMAL FUSE(104℃, 16A)
LED2	POWER SUPPLY(I.B)		CONTROLLER TRANSMISSION LINE)	H1	HEATER
LED3	TRANSMISSION(INDOOR-OUTDOOR)	TH1	ROOM TEMP.THERMISTOR	26H	HEATER THERMAL SWITCH
X1	RELAY(DRAIN PUMP)		(0℃/15kΩ,25℃/5.4kΩ DETECT)	88H	HEATER CONTACTOR
X4	RELAY(FAN MOTOR)	TH2	PIPE TEMP.THERMISTOR/LIQUID		
SW1	SWITCH(MODEL SELECTION)※See table 1		(0℃/15kΩ,25℃/5.4kΩ DETECT)		
SW2	SWITCH(CAPACITY CORD)※See table 2	TH5	COND./EVA. TEMP. THERMISTOR		
SWE	CONNECTOR(EMERGENCY OPERATION)		(0℃/15kΩ,25℃/5.4kΩ DETECT)		
C	CAPACITOR(FAN MOTOR)	R.B	WIRED REMOTE CONTROLLER BOARD		



[PLH-P.AAH models only]



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

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

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

Table 1

SW1	
MODELS	Manufacture/Service
PLA-RP. AA	1 2 3 4 5 ON OFF
PLH-P. AAH	1 2 3 4 5 ON OFF

Table 2

SW2			
MODELS	Manufacture/Service	MODELS	Manufacture/Service
PLA-RP35AA PLH-P35AAH	1 2 3 4 5 ON OFF	PLA-RP100AA PLH-P100AAH	1 2 3 4 5 ON OFF
PLA-RP50AA PLH-P50AAH	1 2 3 4 5 ON OFF	PLA-RP125AA PLH-P125AAH	1 2 3 4 5 ON OFF
PLA-RP60AA PLH-P60AAH	1 2 3 4 5 ON OFF	PLA-RP140AA PLH-P140AAH	1 2 3 4 5 ON OFF
PLA-RP71AA PLH-P71AAH	1 2 3 4 5 ON OFF		

PMH-P25BA PMH-P35BA PMH-P50BA

[LEGEND]

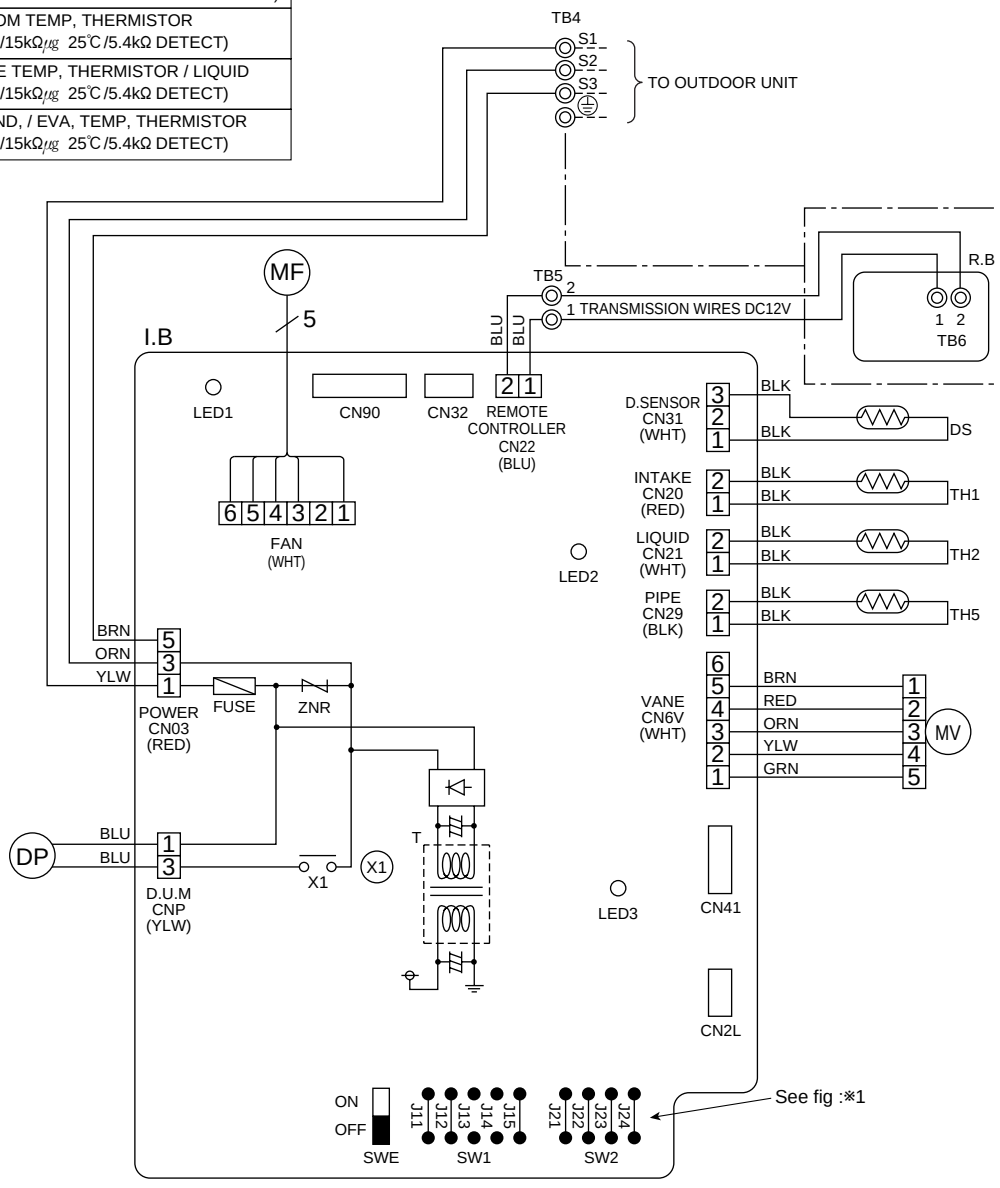
SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD
CN2L	CONNECTOR(LOSSNAY)
CN32	CONNECTOR(REMOTE SWITCH)
CN41	CONNECTOR(HA TERMINAL-A)
FUSE	FUSE(6.3A , 250V)
LED1	POWER SUPPLY(I.B)
LED2	POWER SUPPLY(R.B)
LED3	TRANSMISSION(INDOOR-OUTDOOR)
SW1	JUMPER WIRE(MODEL SELECTION)
SW2	JUMPER WIRE(CAPACITY CORD)
SWE	SWITCH(EMERGENCY OPERATION)
T	TRANSFORMER
X1	RELAY(DRAIN PUMP)
ZNR	VARISTOR
R.B	WIRED REMOTE CONTROLLER BOARD
DP	DRAIN-UP MACHINE
DS	DRAIN SENSOR
MF	FAN MOTOR
MV	VANE MOTOR
TB4	TERMINAL BLOCK (INDOOR / OUTDOOR CONNECTING LINE)
TB5,TB6	TERMINAL BLOCK (REMOTE CONTROL TRANSMISSION LINE)
TH1	ROOM TEMP, THERMISTOR (0℃/15kΩ, 25℃/5.4kΩ DETECT)
TH2	PIPE TEMP, THERMISTOR / LIQUID (0℃/15kΩ, 25℃/5.4kΩ DETECT)
TH5	COND, / EVA, TEMP, THERMISTOR (0℃/15kΩ, 25℃/5.4kΩ DETECT)

NOTES:
1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Symbols used in wiring diagram above are, □□□ : Connector, ◎ : Terminal (block).

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

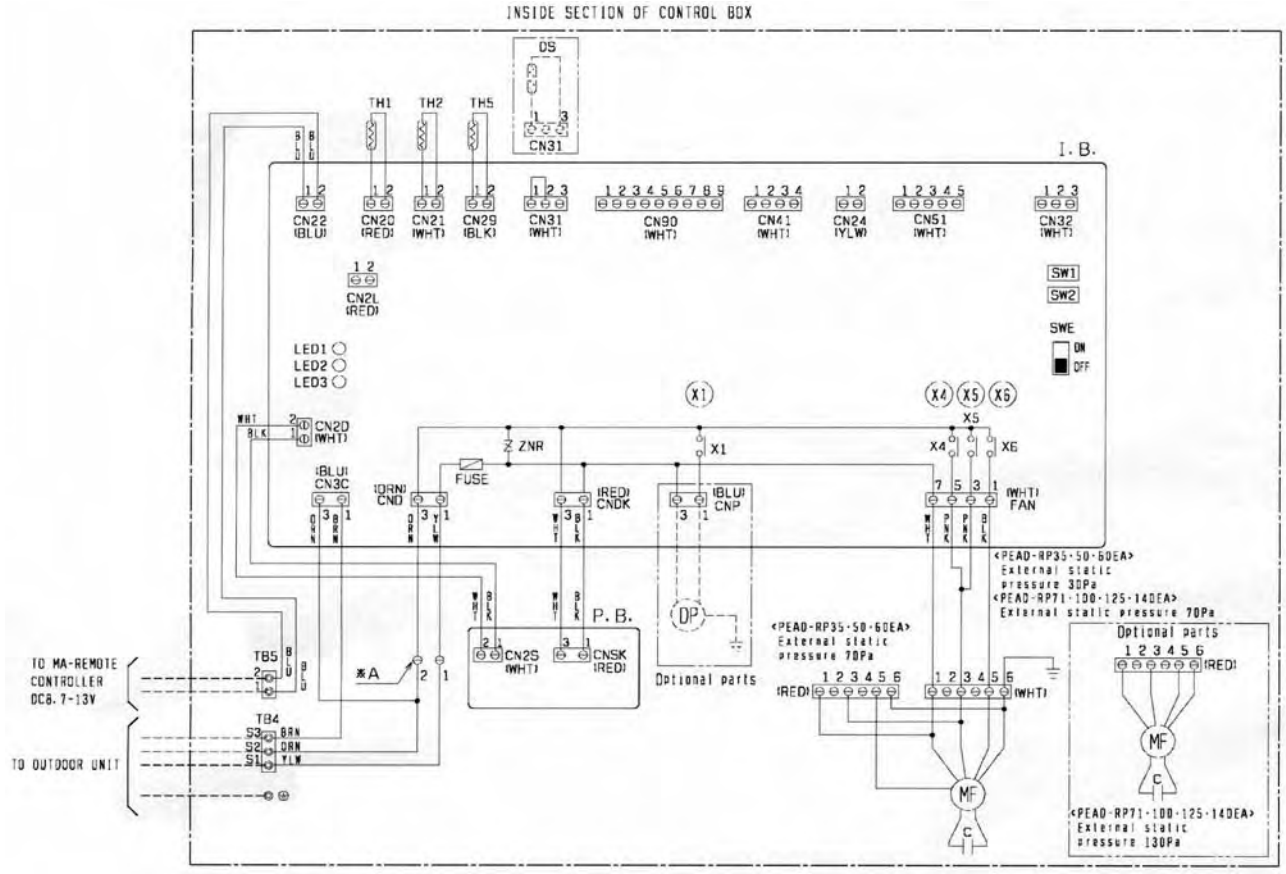
<※1>

	MODELS	Manufacture	Service board
SW1	PMH-P25/35/50BA	J11 J12 J13 J14 J15	1 2 3 4 5 ON OFF
SW2	PMH-P25BA	J21 J22 J23 J24	1 2 3 4 ON OFF
	PMH-P35BA	J21 J22 J23 J24	1 2 3 4 ON OFF
	PMH-P50BA	J21 J22 J23 J24	1 2 3 4 ON OFF

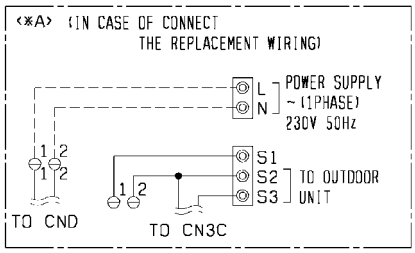


PEAD-RP35EA PEAD-RP50EA PEAD-RP60EA PEAD-RP71EA PEAD-RP100EA PEAD-RP125EA PEAD-RP140EA

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



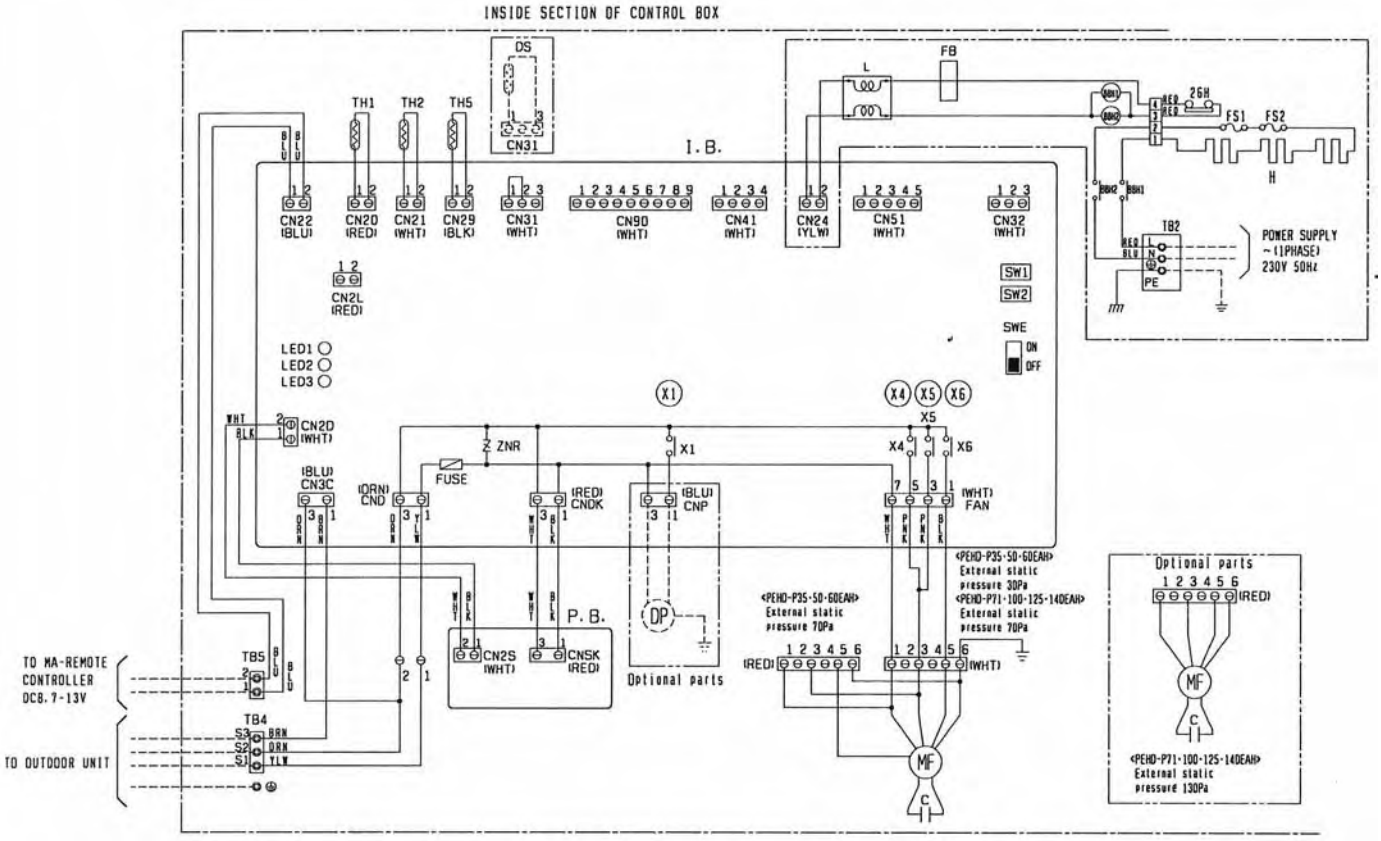
MODELS	SW1 Model selection switch	SW2 Capacity cord switch
35EA		1 2 3 4 5 ON OFF
50EA		1 2 3 4 5 ON OFF
60EA		1 2 3 4 5 ON OFF
71EA	1 2 3 4 5 ON OFF	1 2 3 4 5 ON OFF
100EA		1 2 3 4 5 ON OFF
125EA		1 2 3 4 5 ON OFF
140EA		1 2 3 4 5 ON OFF



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

PEHD-P35EAH PEHD-P50EAH PEHD-P60EAH PEHD-P71EAH PEHD-P100EAH PEHD-P125EAH PEHD-P140EAH

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	INDOOR CONTROLLER BOARD	X1	RELAY(DRAIN PUMP)	C	CAPACITOR(FAN MOTOR)
FUSE	FUSE(T6.3AL250V)	X4	RELAY(FAN MOTOR)	MF	FAN MOTOR
ZNR	VARISTOR	X5	RELAY(FAN MOTOR)	TB2	TERMINAL BLOCK(HEATER)
CN2L	CONNECTOR(LOSSNAY)	X6	RELAY(FAN MOTOR)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN24	CONNECTOR(HEATER)	P.B.	INDOOR POWER BOARD		
CN32	CONNECTOR(REMOTE SWITCH)	HEATER		TB5	TERMINAL BLOCK(REMOTE CONTROLLER)
CN41	CONNECTOR(HA TERMINAL-A)	FS1.2	THERMAL FUSE	TH1	INTAKE AIR TEMP. THERMISTOR (0℃/15KΩ, 25℃/5.4KΩ DETECT)
CN51	CONNECTOR(CENTRALLY CONTROL)	H	HEATER		
CN90	CONNECTOR(WIRELESS)	26H	HEATER THERMAL SWITCH	TH2	PIPE TEMP. THERMISTOR/LIQUID (0℃/15KΩ, 25℃/5.4KΩ DETECT)
LED1	POWER SUPPLY(I.B.)	88H1.2	HEATER CONTACTOR		
LED2	POWER SUPPLY(REMOTE CONTROLLER)	FB	FERRITE CORE	TH5	COND./EVA. TEMP. THERMISTOR (0℃/15KΩ, 25℃/5.4KΩ DETECT)
LED3	TRANSMISSION(INDOOR-OUTDOOR)	L	CHOKE COILS		
SW1	SWITCH(MODEL SELECTION)	DRAIN PUMP	(OPTIONAL PARTS)		
SW2	SWITCH(CAPACITY CORD)	DP	DRAIN PUMP		
SWE	SWITCH(EMERGENCY OPERATION)	DS	DRAIN SENSOR		

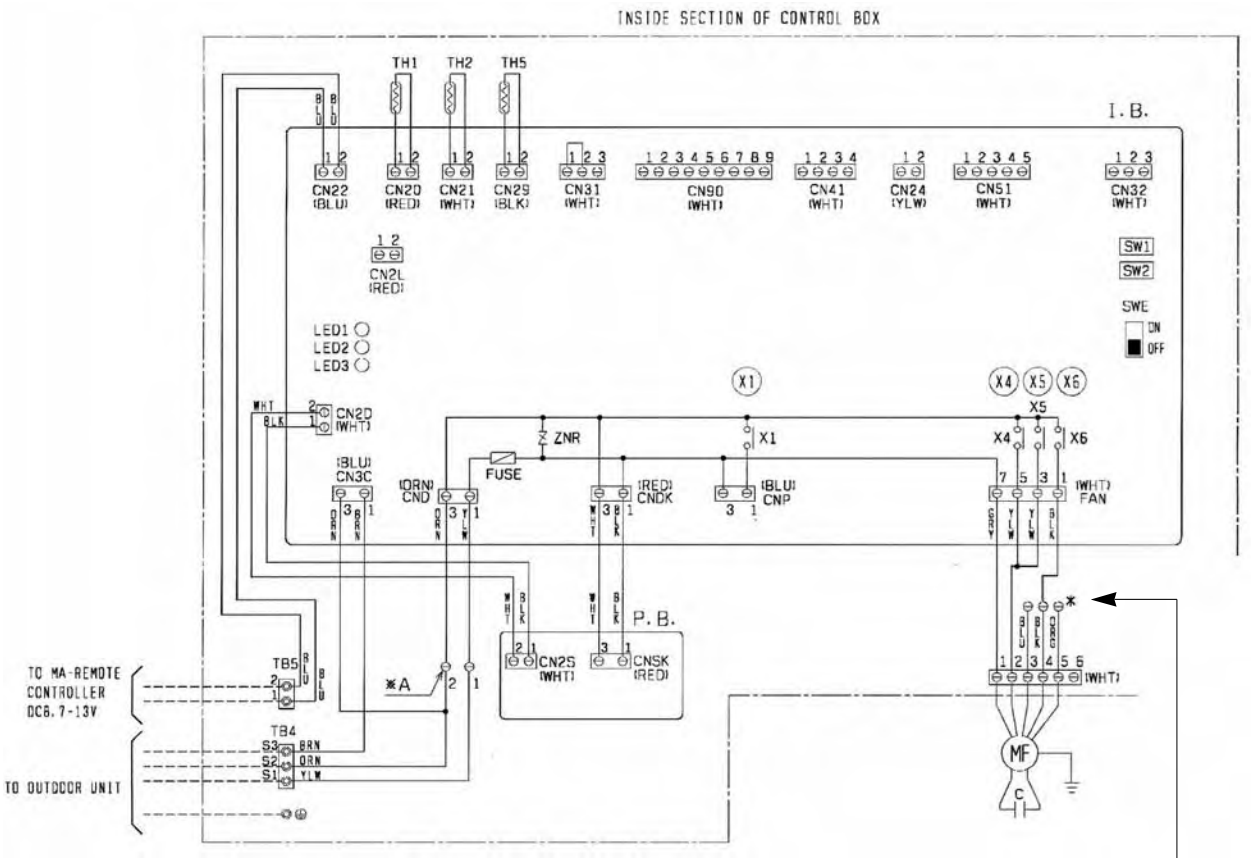


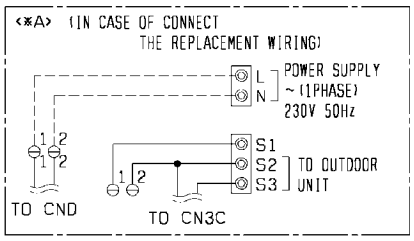
MODELS	SW1 Model selection switch	SW2 Capacity cord switch
35EAH		1 2 3 4 5 ON OFF
50EAH		1 2 3 4 5 ON OFF
60EAH		1 2 3 4 5 ON OFF
71EAH	1 2 3 4 5 ON OFF	1 2 3 4 5 ON OFF
100EAH		1 2 3 4 5 ON OFF
125EAH		1 2 3 4 5 ON OFF
140EAH		1 2 3 4 5 ON OFF

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

PEAD-P60GA PEAD-P71GA PEAD-P100GA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	INDOOR CONTROLLER BOARD	SW1	SWITCH(MODEL SELECTION)	TB5	TERMINAL BLOCK(REMOTE CONTROLLER)
FUSE	FUSE(T6.3AL250V)	SW2	SWITCH(CAPACITY CORD)	TH1	INTAKE AIR TEMP. THERMISTOR (0℃/15KΩ, 25℃/5.4KΩ DETECT)
ZNR	VARISTOR	SWE	SWITCH(EMERGENCY OPERATION)		
CN2L	CONNECTOR(LOSSNAY)	X1	RELAY(DRAIN PUMP)	TH2	PIPE TEMP. THERMISTOR/LIQUID (0℃/15KΩ, 25℃/5.4KΩ DETECT)
CN24	CONNECTOR(HEATER)	X4	RELAY(FAN MOTOR)		
CN32	CONNECTOR(REMOTE SWITCH)	X5	RELAY(FAN MOTOR)	TH5	COND./EVA. TEMP. THERMISTOR (0℃/15KΩ, 25℃/5.4KΩ DETECT)
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		
LED3	TRANSMISSION(INDOOR-OUTDOOR)		(INDOOR/OUTDOOR CONNECTING LINE)		





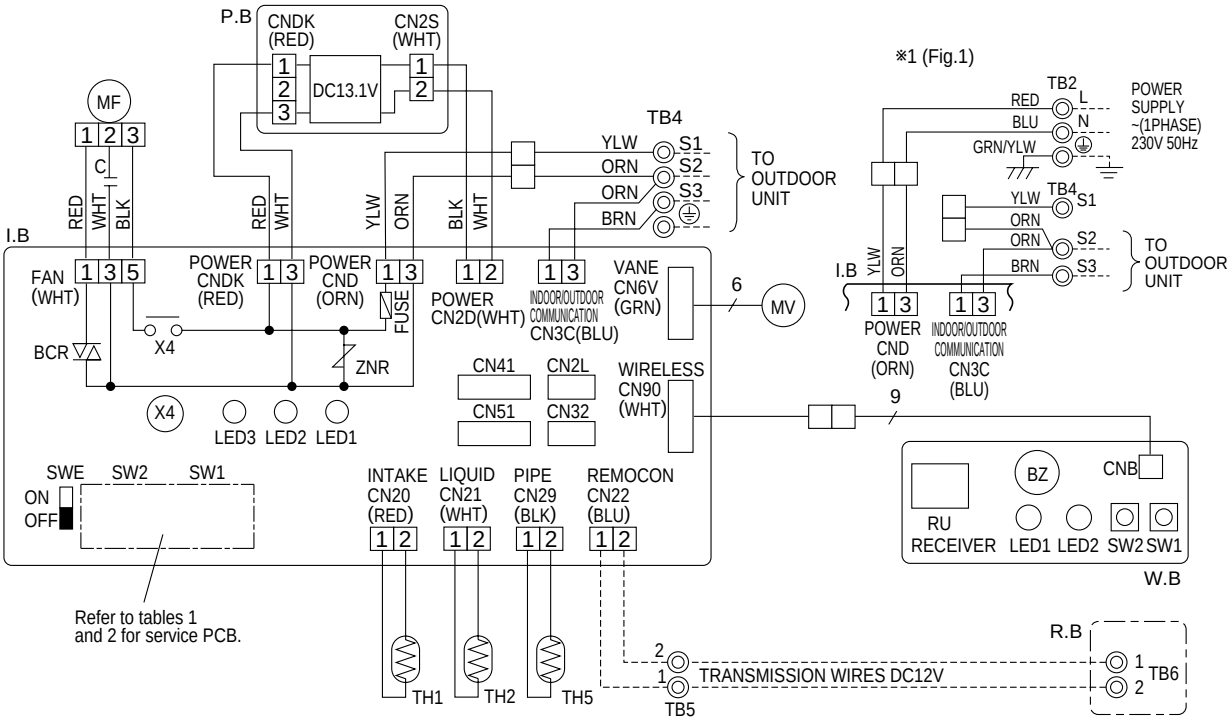
MODELS	SW1 Model selection switch	SW2 Capacity cord switch
60GA	1 2 3 4 5 ON OFF	1 2 3 4 5 ON OFF
71GA		1 2 3 4 5 ON OFF
100GA		1 2 3 4 5 ON OFF

*External static pressure

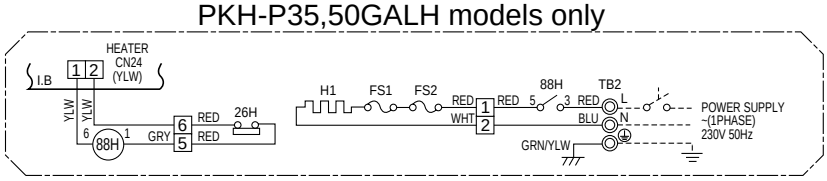
CONNECTOR COLOR	220V	230V	240V
BLU	5Pa	10Pa	20Pa
WHT (FACTORY SHIPMENT)	35Pa	50Pa	60Pa
RED	50Pa	70Pa	75Pa

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.

PKA-RP35GAL PKA-RP50GAL PKH-P35GALH PKH-P50GALH



PKH-P35,50GALH models only



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

SW1
Service board
1 2 3 4 5 ON OFF

SW2			
MODELS	Service board	MODELS	Service board
PKA-RP35GAL PKH-P35GALH	1 2 3 4 5 ON OFF	PKA-RP50GAL PKH-P50GALH	1 2 3 4 5 ON OFF

SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	C	CAPACITOR <FAN MOTOR>
I.B	INDOOR CONTROLLER BOARD	MF	FAN MOTOR
FUSE	FUSE (T6.3AL250V)	MV	VANE MOTOR
ZNR	VARISTOR	TB2	TERMINAL BLOCK (HEATER) ※PKH-P.GALH models only or option for PKA-RP.GAL models.
CN2L	CONNECTOR <LOSSNAY>		
CN32	CONNECTOR <REMOTE SWITCH>	TB4	TERMINAL BLOCK <INDOOR/ OUTDOOR CONNECTING LINE>
CN41	CONNECTOR <HA TERMINAL-A>		
CN51	CONNECTOR <CENTRALLY CONTROL>	TB5,TB6	TERMINAL BLOCK <REMOTE CONTROLLER TRANSMISSION LINE> <OPTION>
SW1	SWITCH <MODEL SELECTION>※See Table 1.		
SW2	SWITCH <CAPACITY CODE>※See Table 2.	TH1	ROOM TEMP.THERMISTOR <0℃/ 15kΩ, 25℃/ 5.4kΩ DETECT>
SWE	SWITCH <EMERGENCY OPERATION>		
X4	RELAY <FAN MOTOR>	TH2	PIPE TEMP.THERMISTOR/ LIQUID <0℃/ 15kΩ, 25℃/ 5.4kΩ DETECT>
BCR	FAN CONTROL ELEMENT		
LED1	POWER SUPPLY <I.B>	TH5	COND./ EVA.TEMP.THERMISTOR <0℃/ 15kΩ, 25℃/ 5.4kΩ DETECT>
LED2	POWER SUPPLY <R.B>		
LED3	TRANSMISSION <INDOOR-OUTDOOR>		

SYMBOL	NAME
W.B	WIRELESS REMOTE CONTROLLER BOARD
RU	RECEIVING UNIT
BZ	BUZZER
LED1	LED <RUN INDICATOR>
LED2	LED <HOT ADJUST>
SW1	SWITCH (HEATING ON/ OFF>
SW2	SWITCH (COOLING ON/ OFF>
R.B	WIRED REMOTE CONTROLLER BOARD
HEATER	
FS1	THERMAL FUSE <104℃10A>
FS2	THERMAL FUSE <84℃10A>
H1	HEATER
26H	HEATER THERMAL SWITCH
88H	HEATER CONTACTOR

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.

PKA-RP60FAL PKA-RP71FAL PKA-RP100FAL
PKA-P60FALH PKA-P71FALH PKA-P100FALH

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)			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)			SW2	SWITCH(COOLING ON/OFF)
CN51	CONNECTOR(CENTRALLY CONTROL)	TB5	TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)(OPTION)	R.B	WIREDREMOTE CONTROLLER BOARD(OPTION)
SW1	SWITCH (MODEL SELECTION) ※See Table 1.			TB6	TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)
SW2	SWITCH (CAPACITY CODE) ※See Table 2.	TH1	ROOM TEMP.THERMISTOR (0℃/15kΩ, 25℃/5.4kΩ DETECT)	HEATER	
SWE	SWITCH(EMERGENCY OPERATION)			FS1,2	THERMAL FUSE(117℃ 10A:60,71FALH/ 117℃ 16A:100FALH)
X4	RELAY(FAN MOTOR)	TH2	PIPE TEMP.THERMISTOR/LIQUID (0℃/15kΩ, 25℃/5.4kΩ DETECT)	H1	HEATER
BCR	FAN CONTROL ELEMENT			26H	HEATER THERMAL SWITCH
LED1	POWER SUPPLY(I.B)	TH5	COND./EVA.TEMP.THERMISTOR (0℃/15kΩ, 25℃/5.4kΩ DETECT)	88H	HEATER CONTACTOR
LED2	POWER SUPPLY(R.B)				
LED3	TRANSMISSION(INDOOR-OUTDOOR)				

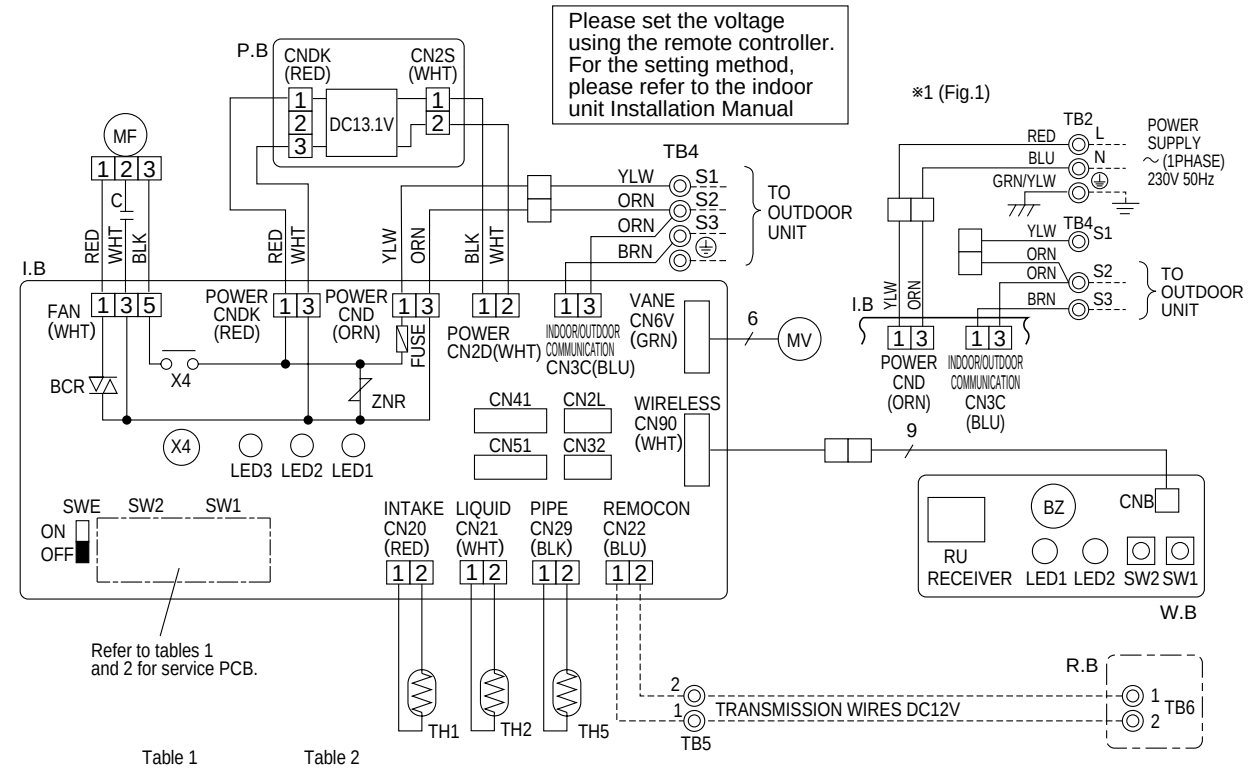


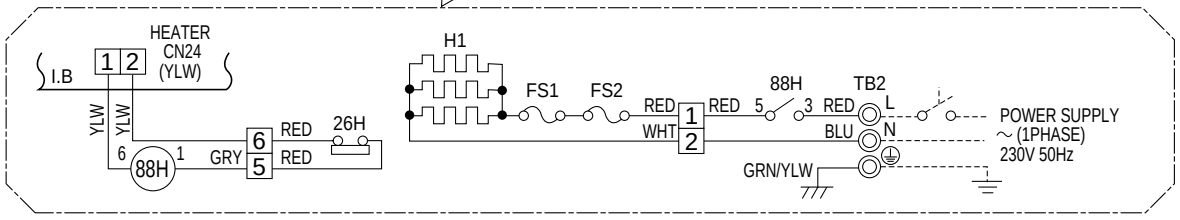
Table 1

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).

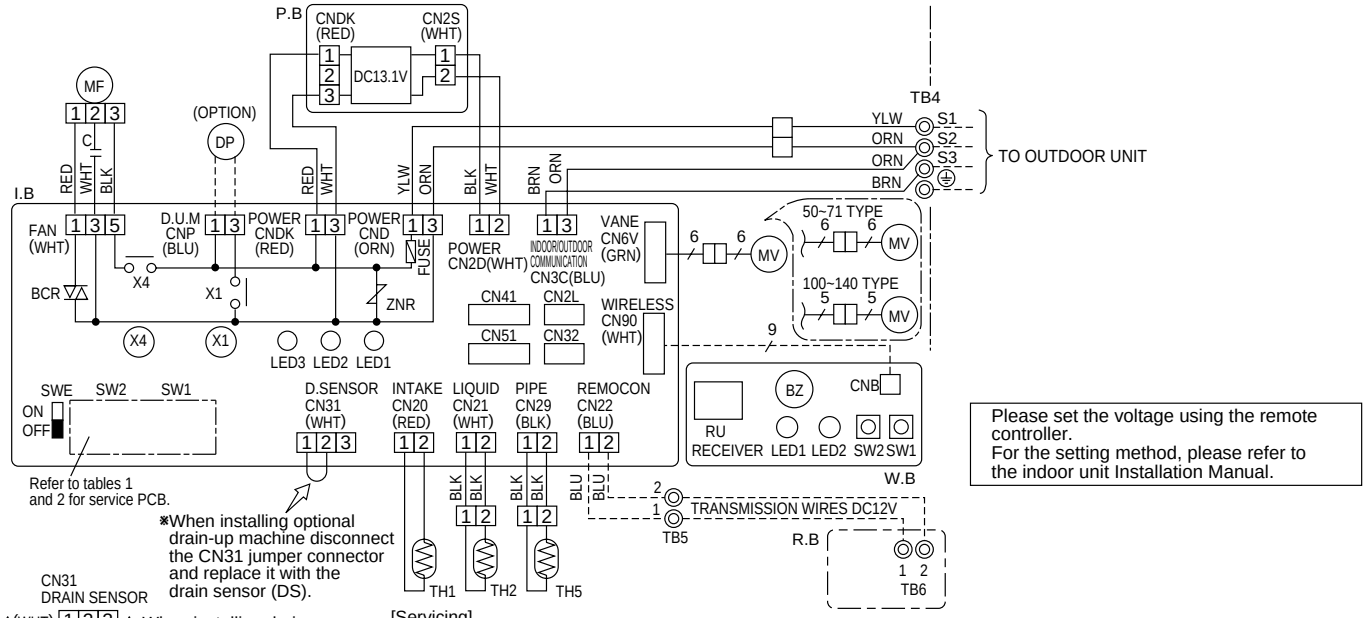
※1. When work to supply power separately to Indoor and Outdoor unit was applied, refer to Fig 1.
※2. For power supply system of this unit, refer to the caution label located near this diagram.

PCA-RP50GA PCA-RP60GA PCA-RP71GA PCA-RP100GA PCA-RP125GA PCA-RP140GA
PCH-P50GAH PCH-P60GAH PCH-P71GAH PCH-P100GAH PCH-P125GAH PCH-P140GAH

SYMBOL		NAME
P.B		INDOOR POWER BOARD
I.B		INDOOR CONTROLLER BOARD
	FUSE	FUSE (T6.3AL250V)
	ZNR	VARISTOR
	CN2L	CONNECTOR(LOSSNAY)
	CN32	CONNECTOR(REMOTE SWITCH)
	CN41	CONNECTOR(HA TERMINAL-A)
	CN51	CONNECTOR(CENTRALLY CONTROL)
	SW1	SWITCH (MODEL SELECTION) ※See Table 1.
	SW2	SWITCH (CAPACITY CODE) ※See Table 2.
	SWE	SWITCH(EMERGENCY OPERATION)
	X1	RELAY(DRAIN PUMP)
	X4	RELAY(FAN MOTOR)
	BCR	FAN CONTROL ELEMENT
	LED1	POWER SUPPLY(I.B)
	LED2	POWER SUPPLY(R.B)
	LED3	TRANSMISSION(INDOOR-OUTDOOR)
C		CAPACITOR(FAN MOTOR)

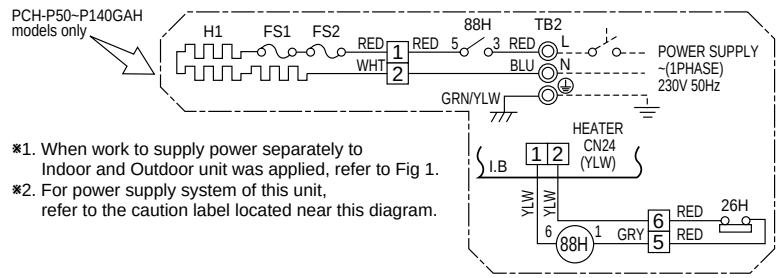
SYMBOL	NAME
MF	FAN MOTOR
MV	VANE MOTOR
DP	DRAIN-UP MACHINE (OPTION)
DS	DRAIN SENSOR (OPTION)
TB2	TERMINAL BLOCK (HEATER) ※PCH-P.GAH models only or option for PCA RP.GA models.
TB4	TERMINAL BLOCK(INDOOR/OUTDOOR CONNECTING LINE)
TB5,TB6	TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)
TH1	ROOM TEMP.THERMISTOR (0℃/15kΩ, 25℃/5.4kΩ DETECT)
TH2	PIPE TEMP.THERMISTOR/LIQUID (0℃/15kΩ, 25℃/5.4kΩ DETECT)
TH5	COND./EVA.TEMP.THERMISTOR (0℃/15kΩ, 25℃/5.4kΩ DETECT)
R.B	WIRED REMOTE CONTROLLER BOARD

SYMBOL		NAME
W.B		WIRELESS REMOTE CONTROLLER BOARD(OPTION)
	RU	RECEIVING UNIT
	BZ	BUZZER
	LED1	LED(RUN INDICATOR)
	LED2	LED(HOT ADJUST)
	SW1	SWITCH(HEATING ON/OFF)
	SW2	SWITCH(COOLING ON/OFF)
HEATER		
	FS1,2	THERMAL FUSE(98℃10A:50GAH/117℃16A:100GAH 110℃16A:60,71,125,140GAH)
	H1	HEATER
	26H	HEATER THERMAL SWITCH
	88H	HEATER CONTACTOR



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

[Servicing]
Fasten terminal of the terminal board "TB4"equips lock system.
To remove the fastened terminal, pull it while pressing the protruding portion (locking lever) of the terminal. The fastened terminal protruding portion should face upward.



※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.

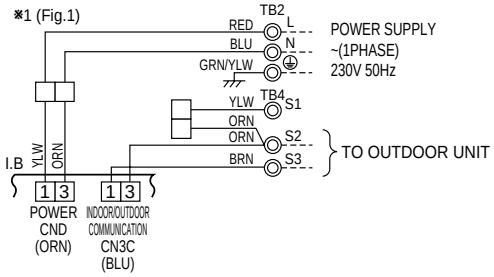


Table 1

SW1	
MODELS	Service board
PCA-RP.GA PCH-P.GAH	1 2 3 4 5 ON OFF

Table 2

SW2			
MODELS	Service board	MODELS	Service board
PCA-RP50GA PCH-P50GAH	1 2 3 4 5 ON OFF	PCA-RP100GA PCH-P100GAH	1 2 3 4 5 ON OFF
PCA-RP60GA PCH-P60GAH	1 2 3 4 5 ON OFF	PCA-RP125GA PCH-P125GAH	1 2 3 4 5 ON OFF
PCA-RP71GA PCH-P71GAH	1 2 3 4 5 ON OFF	PCA-RP140GA PCH-P140GAH	1 2 3 4 5 ON OFF

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).

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)		
CN32	CONNECTOR (REMOTE SWITCH)	TB4	TERMINAL BLOCK(INDOOR/OUTDOOR CONNECTING LINE)
CN41	CONNECTOR (HA TERMINAL-A)		
CN51	CONNECTOR (CENTRALLY CONTROLL)	TB5,TB6	TERMINAL BLOCK(REMOTE CONTROLLER TRANSMISSION LINE)
LED1	POWER SUPPLY (I. B)		
LED2	POWER SUPPLY (R. B)	TH1	ROOM TEMP.THERMISTOR (0˚C/15kΩ, 25˚C/5.4kΩ DETECT)
LED3	TRANSMISSION(INDOOR-OUTDOOR)		
X1	RELAY (DEW PREVENTION HEATER)	TH2	PIPE TEMP.THERMISTOR/LIQUID (0˚C/15kΩ, 25˚C/5.4kΩ DETECT)
X4	RELAY(FAN MOTOR)		
X5	RELAY(FAN MOTOR)	TH5	COND./ EVA.TEMP.THERMISTOR (0˚C/15kΩ, 25˚C/5.4kΩ DETECT)
X6	RELAY(FAN MOTOR)		
SW1	SWITCH (MODEL SELECTION) ※See Table 1.	R. B	WIRED REMOTE CONTROLLER BOARD
SW2	SWITCH (CAPACITY CODE) ※See Table 2.		
SWE	SWITCH (EMERGENCY OPERATION)		

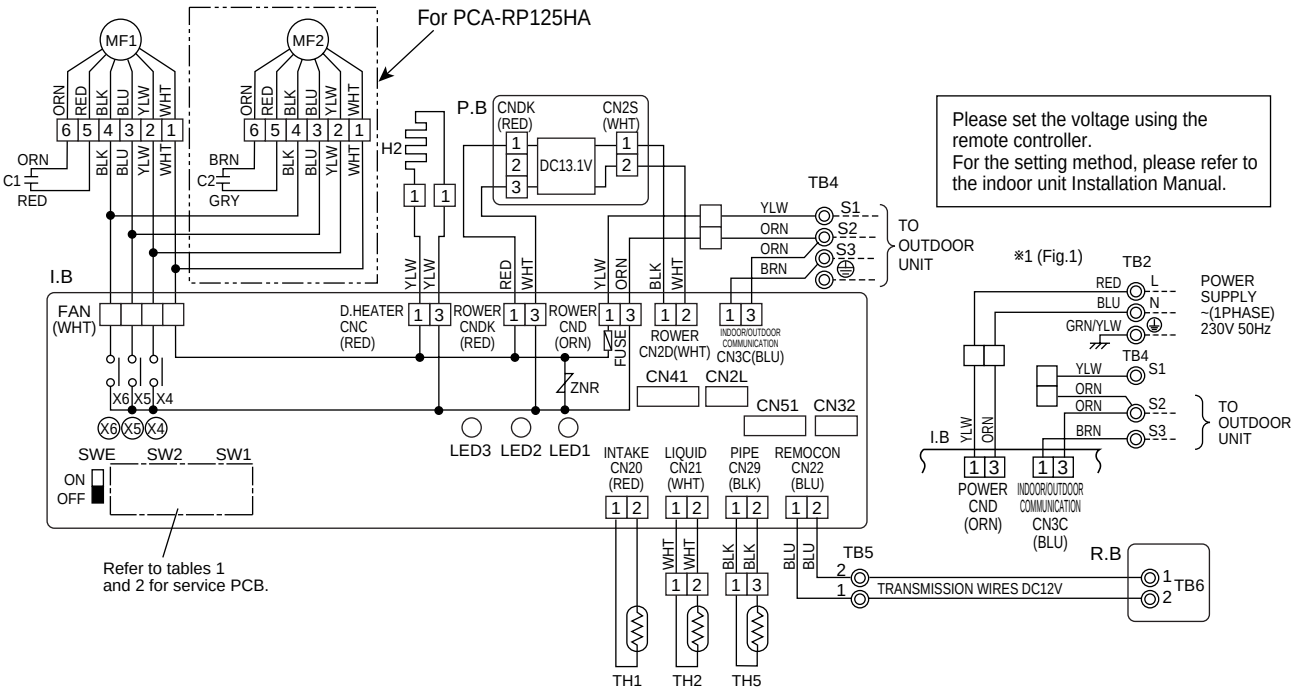


Table 1

SW1
Service board
1 2 3 4 5 ON OFF

Table 2

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

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

PSA-RP71GA PSA-RP100GA PSA-RP125GA PSA-RP140GA
PSH-P71GAH PSH-P100GAH PSH-P125GAH PSH-P140GAH

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

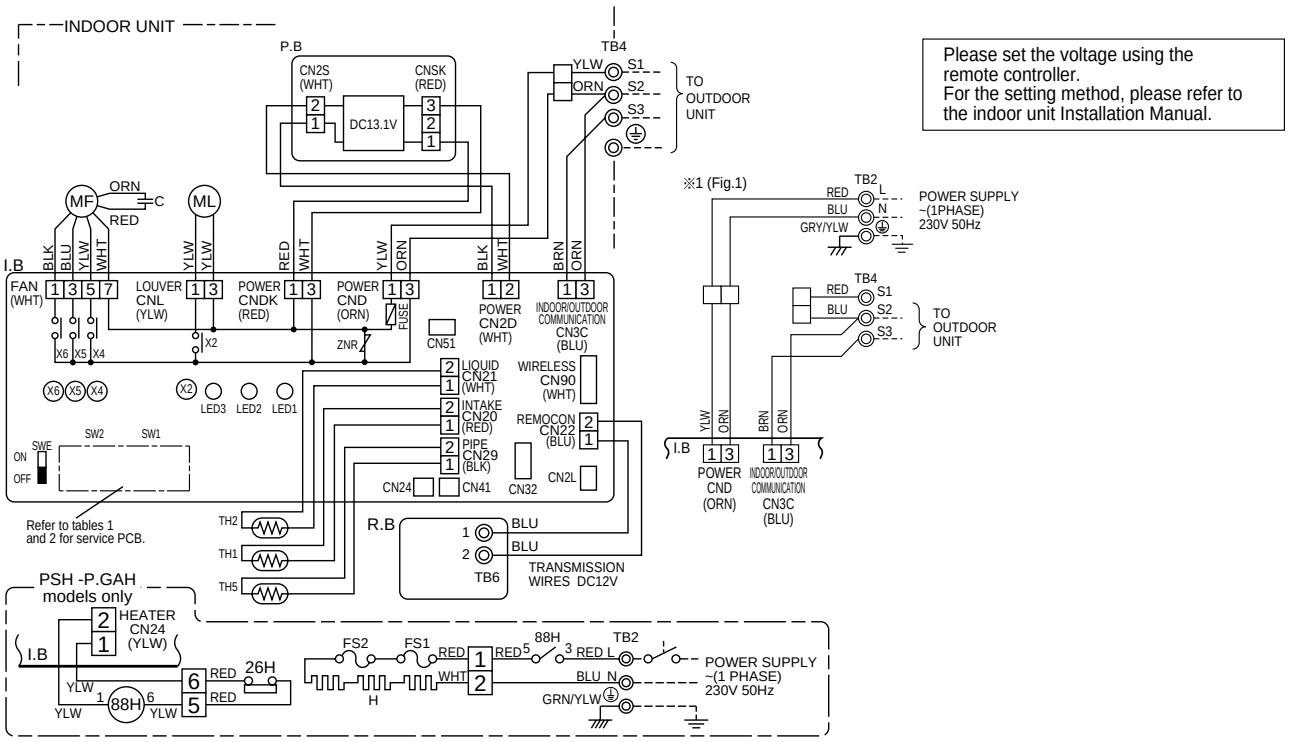


Table 1

SW2	
MODELS	Service board
PSA-RP.GA PSH-P.GAH	1 2 3 4 5 ON OFF

Table 2

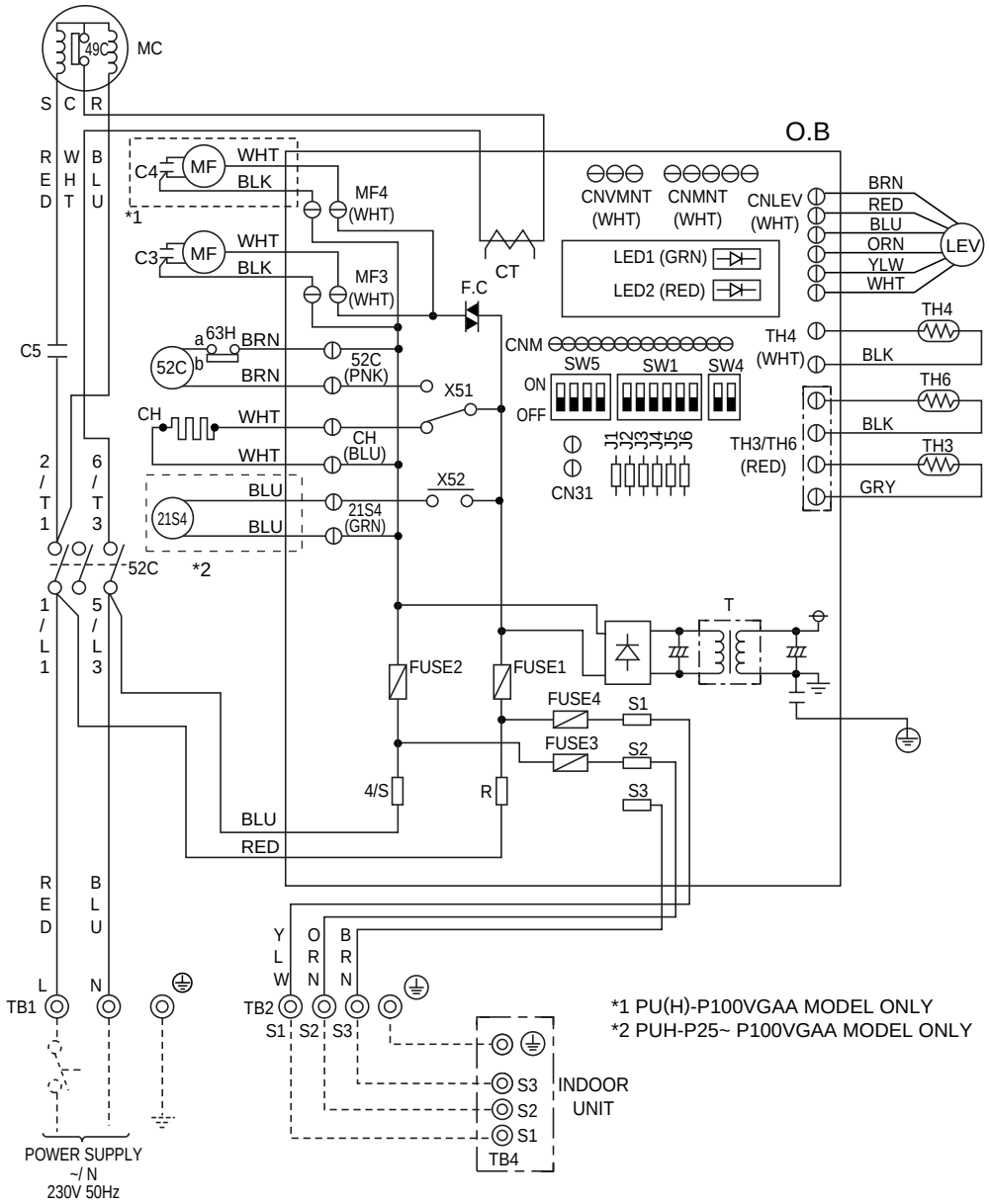
SW2	
MODELS	Service board
PSA-RP71GA PSH-P71GAH	1 2 3 4 5 ON OFF
PSA-RP100GA PSH-P100GAH	1 2 3 4 5 ON OFF
PSA-RP125GA PSH-P125GAH	1 2 3 4 5 ON OFF
PSA-RP140GA PSH-P140GAH	1 2 3 4 5 ON OFF

※ 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.

[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.

PUH-P25VGAA PUH-P35VGAA PUH-P50VGAA PUH-P60VGAA PUH-P71VGAA PUH-P100VGAA
PU-P35VGAA PU-P50VGAA PU-P60VGAA PU-P71VGAA PU-P100VGAA

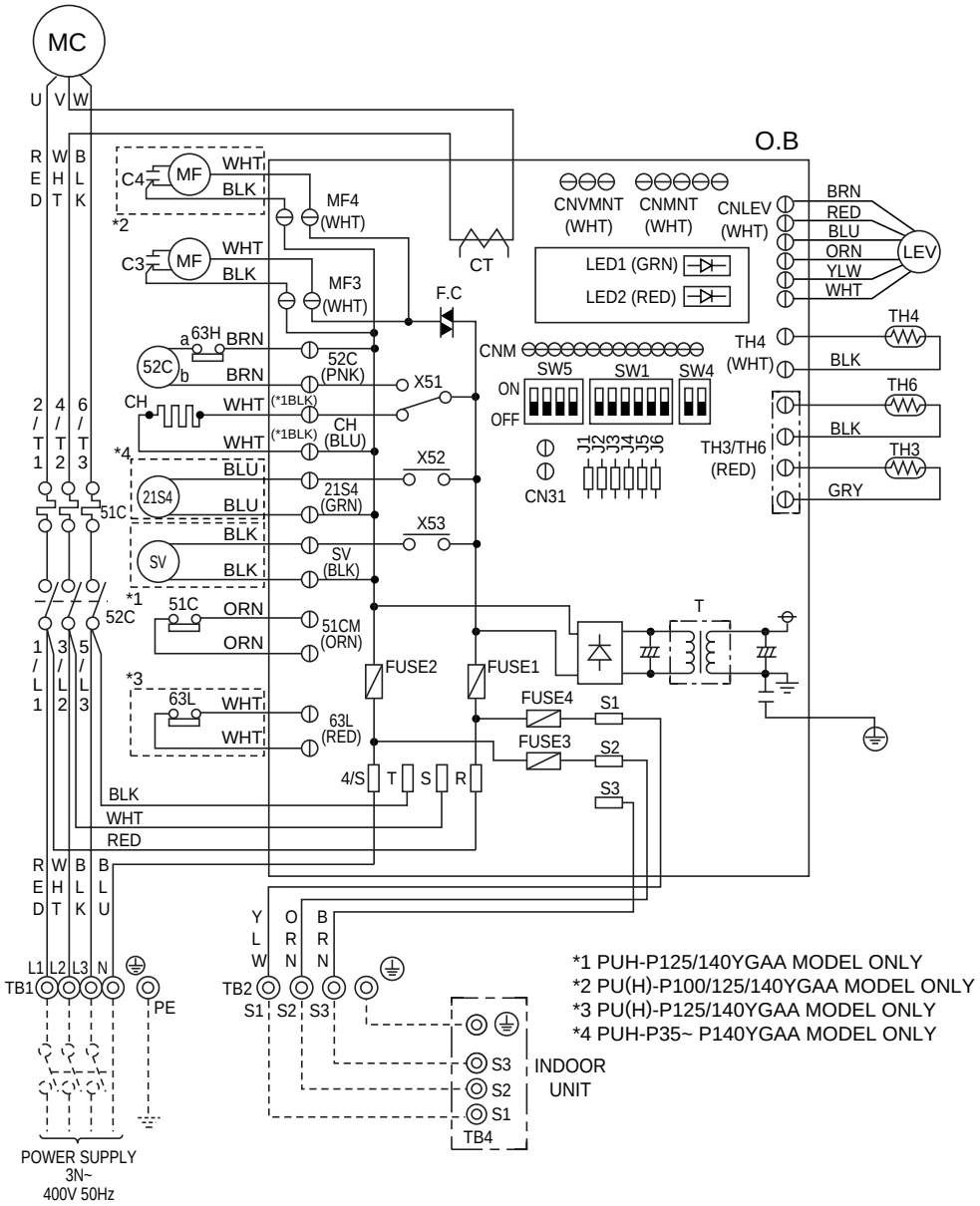
SYMBOL	NAME		SYMBOL	NAME
MC	COMPRESSOR (INNER THERMOSTAT)		O.B	OUTDOOR CONTROLLER BOARD
MF	FAN MOTOR (INNER THERMOSTAT)		FUSE1 (O.B)	FUSE (6.3A)
TH3	THERMISTOR	LIQUID TEMP	FUSE2 (O.B)	FUSE (6.3A)
TH4		DISCHARGE TEMP	FUSE3 (O.B)	FUSE (6.3A)
TH6		COND. / EVA. TEMP	FUSE4 (O.B)	FUSE (6.3A)
C3	MF CAPACITOR		X51 (O.B)	MC/CH RELAY
C4	MF CAPACITOR		X52 (O.B)	21S4 RELAY
C5	MC CAPACITOR		F.C (O.B)	FAN CONTROLLER
CH	CRANKCASE HEATER		SW1 (O.B)	GROUP NUMBER ADDRESS
52C	MC CONTACTOR		SW4 (O.B)	TEST RUN
21S4	4-WAY VALVE SOLENOID COIL		SW5 (O.B)	FUNCTION SELECTION
63H	HIGH PRESSURE PROTECT SWITCH		J1)~J6 (O.B)	MODEL SELECTION
49C	INNER THERMOSTAT FOR MC		T (O.B)	TRANSFORMER
TB1	TERMINAL BLOCK		CT (O.B)	CURRENT TRANS
LEV	LINEAR EXPANSION VALVE		LED1 (O.B)	OPERATION CHECK DISPLAY LED
TB2	TERMINAL BLOCK		LED2 (O.B)	OPERATION CHECK DISPLAY LED
			CN31 (O.B)	EMERGENCY OPERATION CONNECTER



<Notes when servicing>
Some fastening terminals have a lock mechanism: When removing the fastening terminal, push the projection (locking lever) on the terminal with your finger and pull it out.

PUH-P35YGAA PUH-P50YGAA PUH-P60YGAA PUH-P71YGAA PUH-P100YGAA PUH-P125YGAA PUH-P140YGAA
PU-P35YGAA PU-P50YGAA PU-P60YGAA PU-P71YGAA PU-P100YGAA PU-P125YGAA PU-P140YGAA

SYMBOL	NAME		SYMBOL	NAME
MC	COMPRESSOR		O.B	OUTDOOR CONTROLLER BOARD
MF	FAN MOTOR (INNER THERMOSTAT)		FUSE1 (O.B)	FUSE (6.3A)
TH3	THERMISTOR	LIQUID TEMP	FUSE2 (O.B)	FUSE (6.3A)
TH4		DISCHARGE TEMP	FUSE3 (O.B)	FUSE (6.3A)
TH6		COND. / EVA. TEMP	FUSE4 (O.B)	FUSE (6.3A)
C3	MF CAPACITOR		X51 (O.B)	MC/CH RELAY
C4	MF CAPACITOR		X52 (O.B)	21S4 RELAY
CH	CRANKCASE HEATER		X53 (O.B)	SV RELAY
52C	MC CONTACTOR		F.C (O.B)	FAN CONTROLLER
21S4	4-WAY VALVE SOLENOID COIL		SW1 (O.B)	GROUP NUMBER ADDRESS
SV	BYPASS VALVE SOLENOID COIL		SW4 (O.B)	TEST RUN
63H	HIGH PRESSURE PROTECT SWITCH		SW5 (O.B)	FUNCTION SELECTION
51C	THERMAL RELAY		J1~J6 (O.B)	MODEL SELECTION
TB1	TERMINAL BLOCK		T (O.B)	TRANSFORMER
LEV	LINEAR EXPANSION VALVE		CT (O.B)	CURRENT TRANS
TB2	TERMINAL BLOCK		LED1 (O.B)	OPERATION CHECK DISPLAY LED
63L	LOW PRESSURE PROTECT SWITCH		LED2 (O.B)	OPERATION CHECK DISPLAY LED
			CN31 (O.B)	EMERGENCY OPERATION CONNECTER

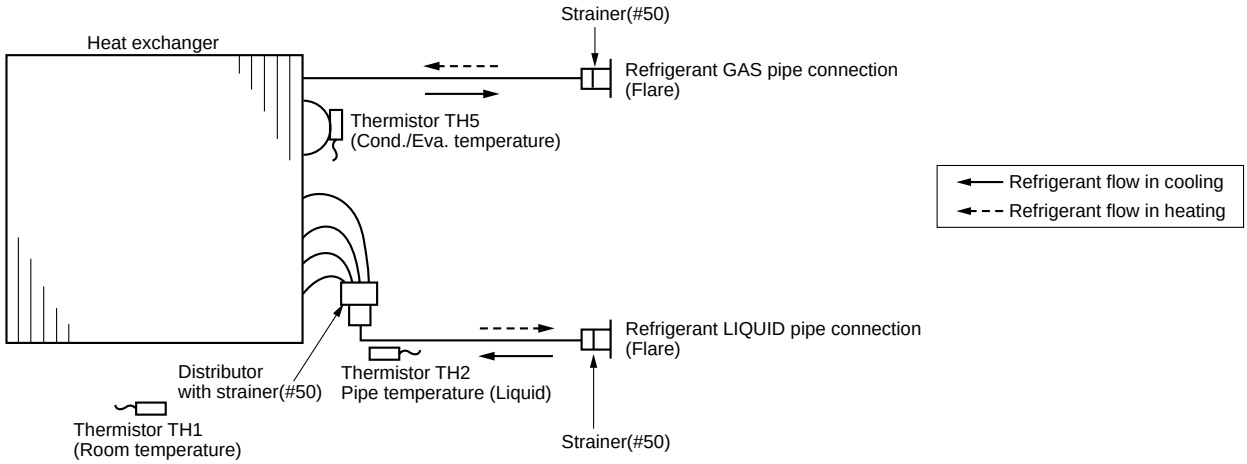


<Notes when servicing>
Some fastening terminals have a lock mechanism: When removing the fastening terminal, push the projection (locking lever) on the terminal with your finger and pull it out.

5 REFRIGERANT SYSTEM DIAGRAM

5.1 INDOOR UNIT

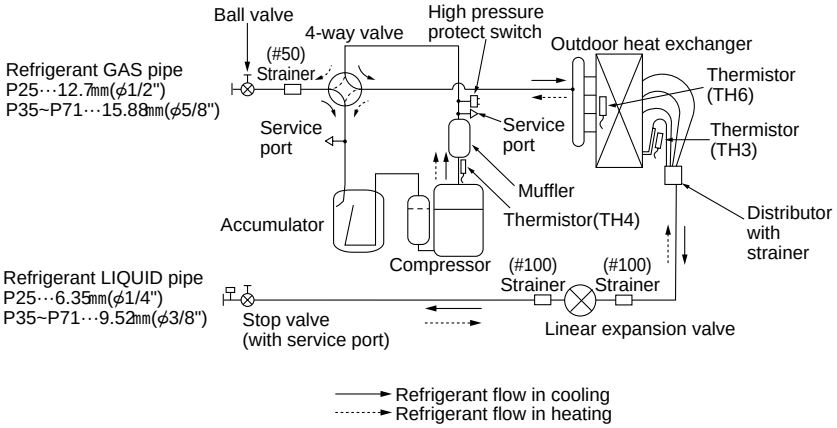
PLA-RP•AA **PLH-P•AAH** **PMH-P•BA**
PEAD-RP•EA **PEHD-P•EAH** **PEAD-RP•GA**
PKA-RP•GAL **PKH-P•GALH** **PKA-RP•FAL** **PKH-P•FALH**
PCA-RP•GA **PCH-P•GAH** **PCA-RP•HA**
PSA-RP•GA **PSH-P•GAH**



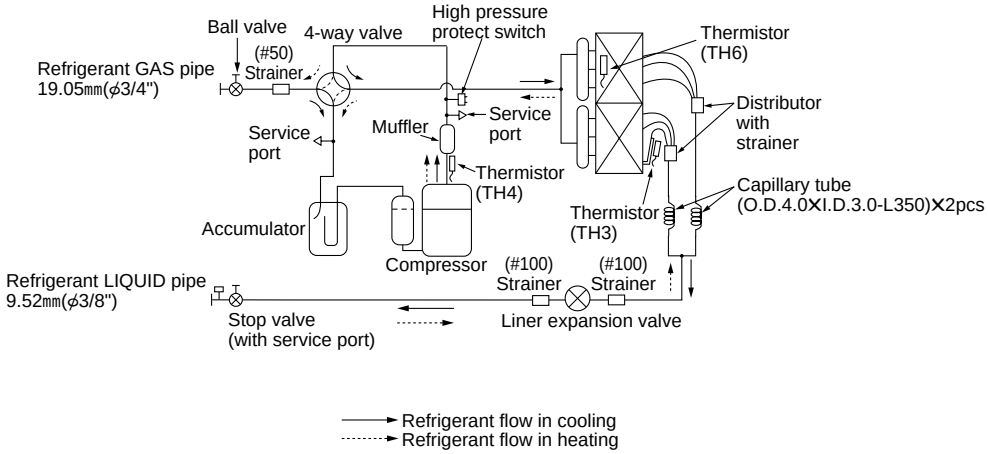
5.2 OUTDOOR UNIT

PUH-P25VGAA PUH-P35VGAA PUH-P50VGAA PUH-P60VGAA PUH-P71VGAA
PUH-P35YGAA PUH-P50YGAA PUH-P60YGAA PUH-P71YGAA

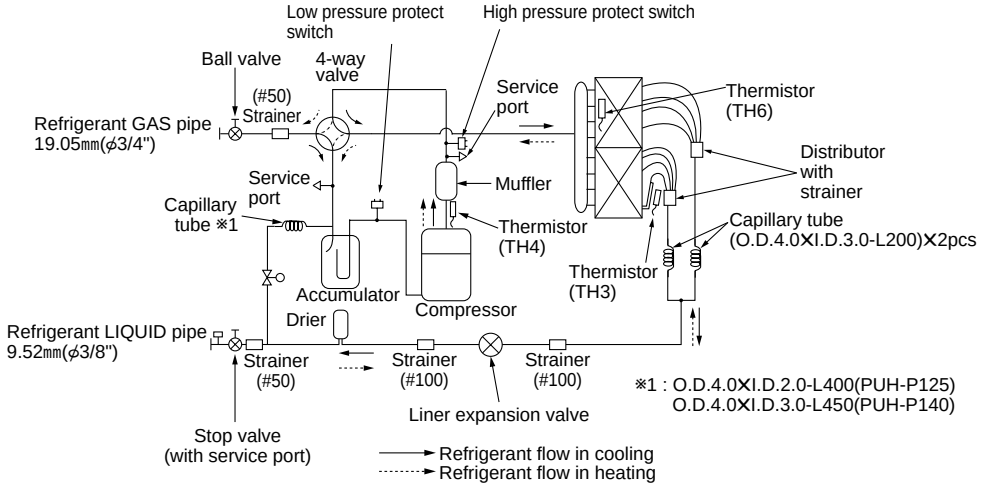
<4-way valve solenoid coil>
Heating : ON
Cooling : OFF



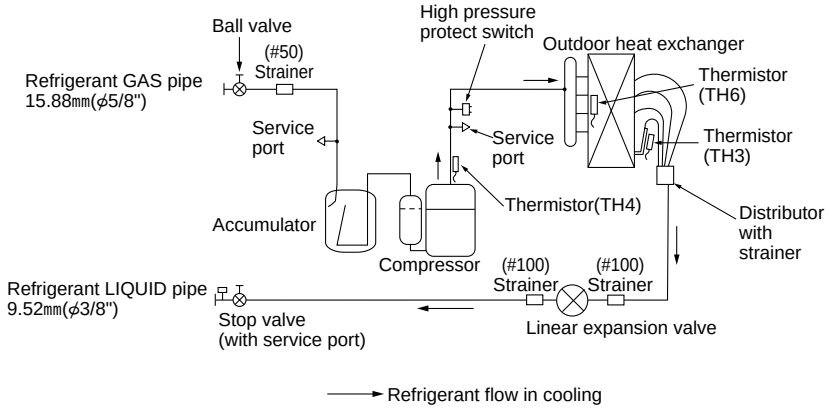
PUH-P100VGAA
PUH-P100YGAA



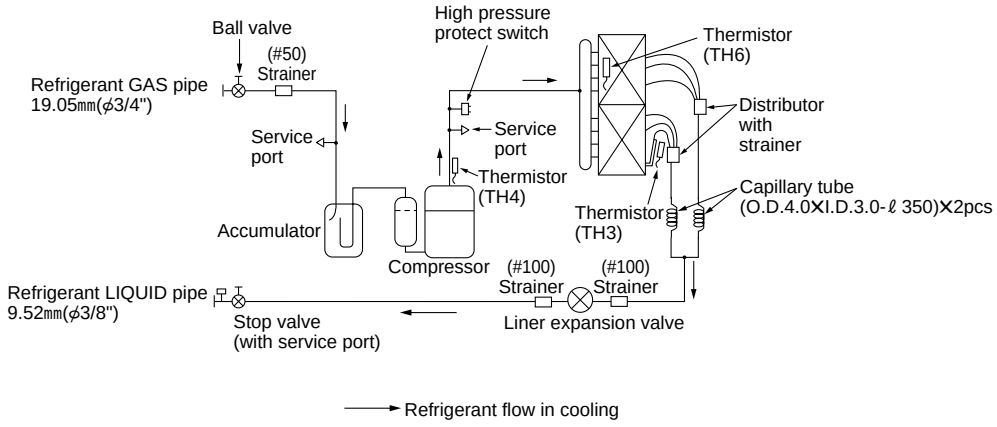
PUH-P125YGAA
PUH-P140YGAA



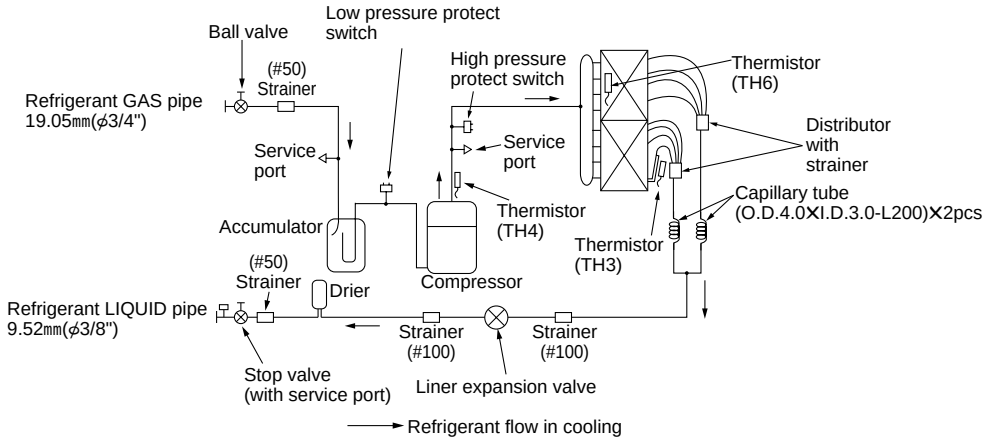
PU-P35VGAA PU-P50VGAA PU-P60VGAA PU-P71VGAA
PU-P35YGAA PU-P50YGAA PU-P60YGAA PU-P71YGAA



PU-P100VGAA
PU-P100YGAA

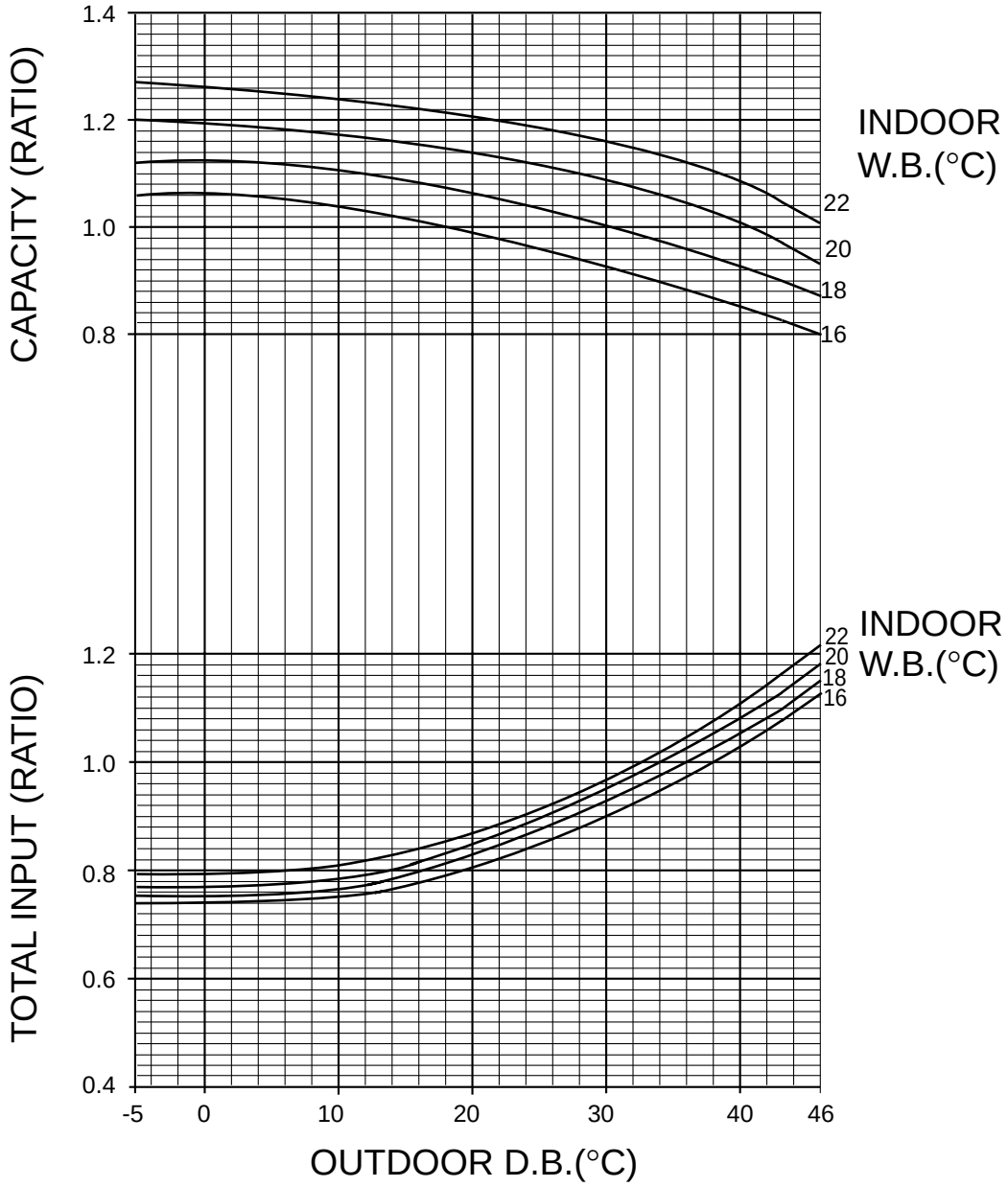


PU-P125YGAA
PU-P140YGAA

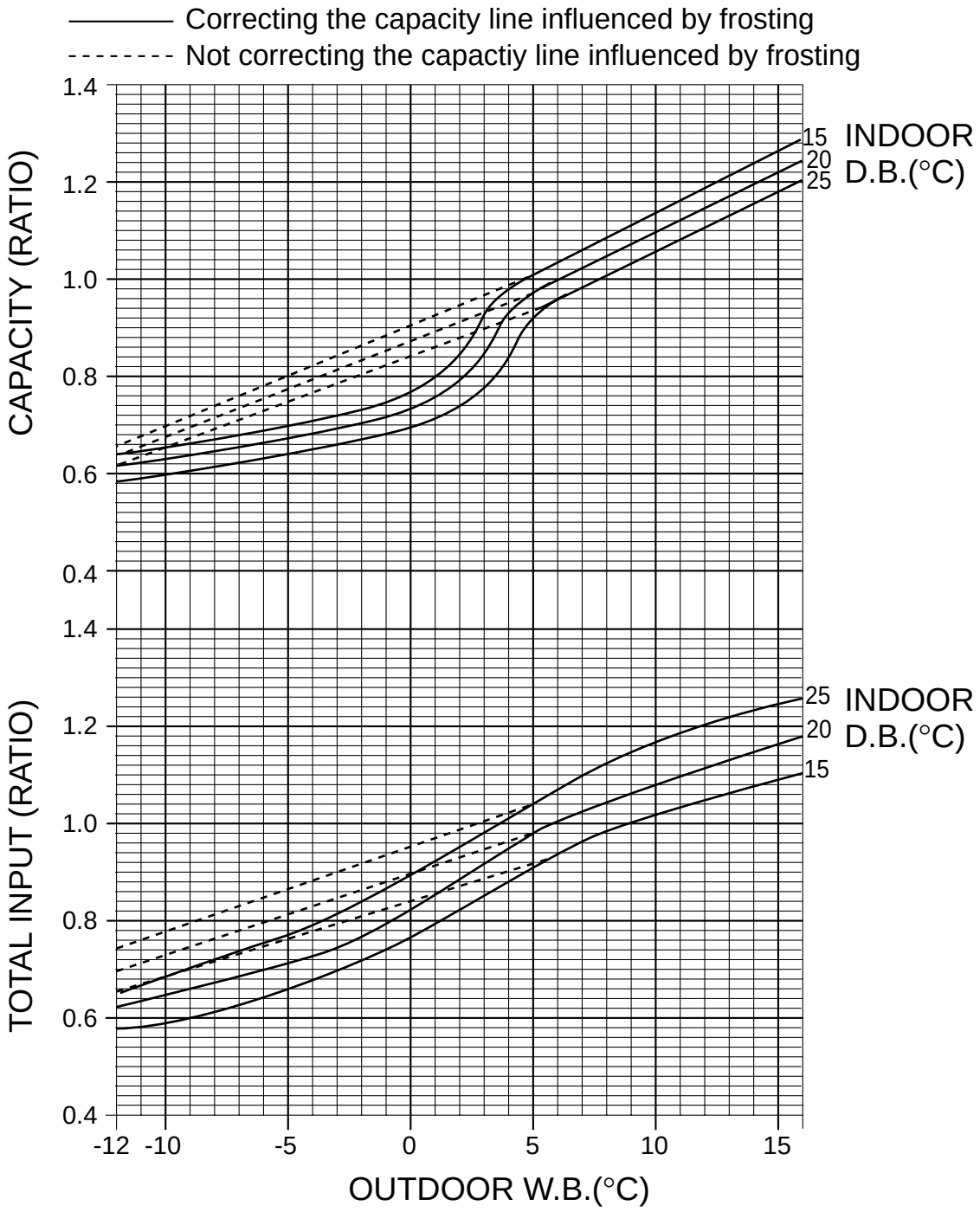


6 PERFORMANCE CURVES

Cooling performance curve(50Hz)



Heating performance curve(50Hz)



7 CORRECTION FACTORS

Cooling capacity correction factors

Outdoor unit	Refrigerant piping length (one way)									
	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m
PUH-P25VGAA	1.00	0.993	0.984	0.978	0.969	0.961	—	—	—	—
PU(H)-P35VGAA PU(H)-P35YGAA	1.00	0.993	0.984	0.978	0.969	0.961	0.956	0.948	—	—
PU(H)-P50VGAA PU(H)-P50YGAA	1.00	0.993	0.984	0.978	0.969	0.961	0.956	0.948	—	—
PU(H)-P60VGAA PU(H)-P60YGAA	1.00	0.989	0.980	0.970	0.960	0.950	0.940	0.930	0.920	0.910
PU(H)-P71VGAA PU(H)-P71YGAA	1.00	0.981	0.968	0.952	0.940	0.925	0.913	0.900	0.886	0.874
PU(H)-P100VGAA PU(H)-P100YGAA	1.00	0.989	0.980	0.970	0.960	0.950	0.940	0.930	0.920	0.910
PUH-P125YGAA PU-P125YGAA	1.00	0.981	0.968	0.952	0.940	0.925	0.913	0.900	0.886	0.874
PUH-P140YGAA PU-P140YGAA	1.00	0.975	0.955	0.935	0.918	0.900	0.884	0.869	0.855	0.840

Heating capacity correction factors

Outdoor unit	Refrigerant piping length (one way)									
	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m
PUH-P25VGAA	1.00	0.998	0.995	0.993	0.990	0.988	—	—	—	—
PUH-P35VGAA PUH-P35YGAA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	—	—
PUH-P50VGAA PUH-P50YGAA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	—	—
PUH-P60VGAA PUH-P60YGAA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978
PUH-P71VGAA PUH-P71YGAA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978
PUH-P100VGAA PUH-P100YGAA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978
PUH-P125YGAA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978
PUH-P140YGAA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978

8 AIR FLOW DATA

8-1. OUTLET AIR SPEED AND COVERAGE RANGE

		PLA-RP35AA PLH-P35AAH	PLA-RP50AA PLH-P50AAH	PLA-RP60AA PLH-P60AAH	PLA-RP71AA PLH-P71AAH	PLA-RP100AA PLH-P100AAH	PLA-RP125AA PLH-P125AAH	PLA-RP140AA PLH-P140AAH
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

		PMH-P25BA	PMH-P35A	PMH-P50BA
Air flow	m^3/min	8.4	10.0	11.0
Air speed	m/sec	3.7	4.3	4.7
Coverage range	m	5.9	7.0	7.7

		PCA-RP50GA PCH-P50GAH	PCA-RP60GA PCH-P60GAH	PCA-RP71GA PCH-P71GAH	PCA-RP100GA PCH-P100GAH	PCA-RP125GA PCH-P125GAH	PCA-RP140GA PCH-P140GAH
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 PKH-P35GALH	PKA-RP50GAL PKH-P50GALH
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 PKH-P60FALH	PKA-RP71FAL PKH-P71FALH	PKA-RP100FAL PKH-P100FALH
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 PSH-P71GAH	PSA-RP100GA PSH-P100GAH	PSA-RP125GA PSH-P125GAH	PSA-RP140GA PSH-P140GAH
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.

8-2. PLA-RP•AA, PLH-P•AAH

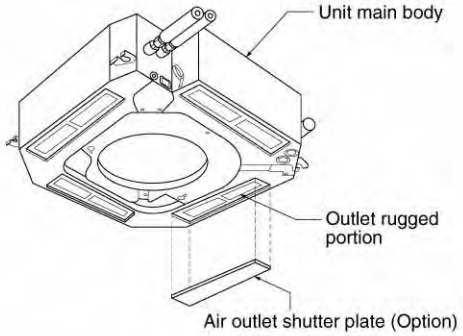
8-2-1. FRESH AIR INTAKE AMOUNT

1. Adjusting the width of the air outlets

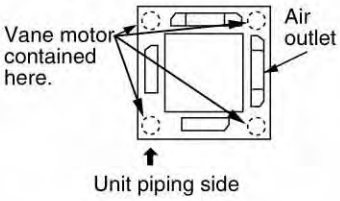
- **Change of outlet numbers**
  [The optional air outlet shutter is necessary.]

  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.)

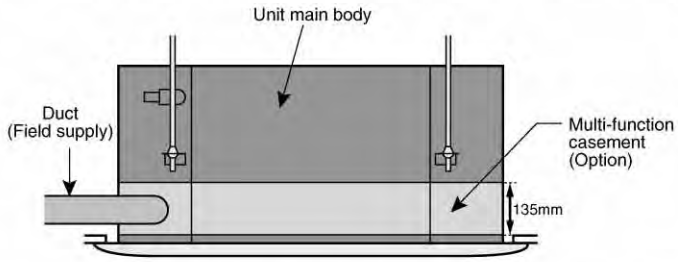


- **For the portion to be cut (V-shaped groove), see the figure below (as seen from the rear of the panel).**



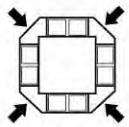
2. Fresh air intake (Installation of site)

- 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.)

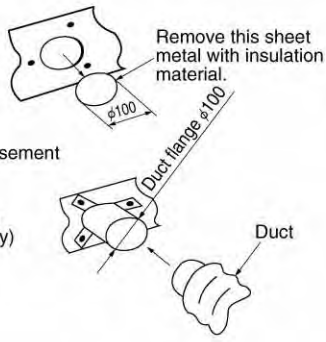


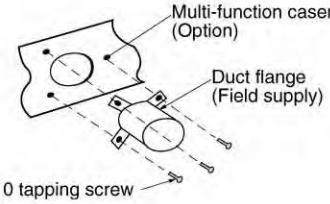
Direct exterior air intake into the main body is also possible.

Knockout hole for fresh air intake



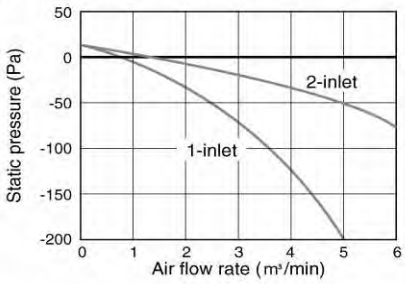
Preparation of knockout hole



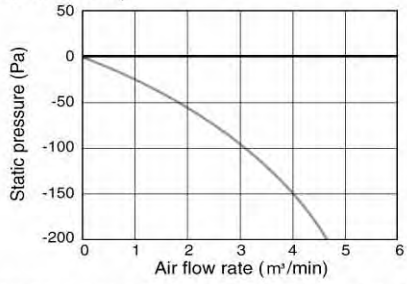


3. Fresh air intake volume & static pressure characteristics

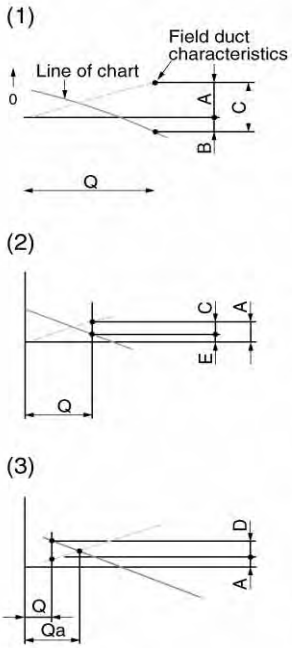
① PLA-RP71AA PLH-P71AAH
(at using of multi-function casement, standard filter)



② PLA-RP71AA PLH-P71AAH
(Direct intake to unit)



How to read the chart



Q .... Design fresh air intake volume (m³/min)

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

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

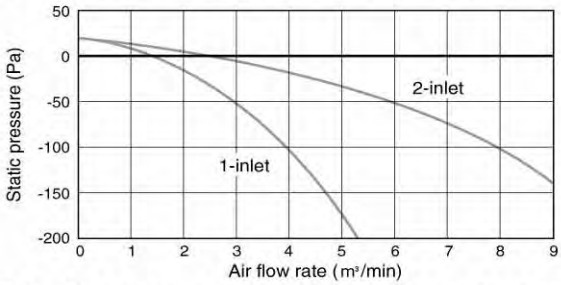
C ..... Required static pressure [Pa] of booster fan at air flow rate of Q

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

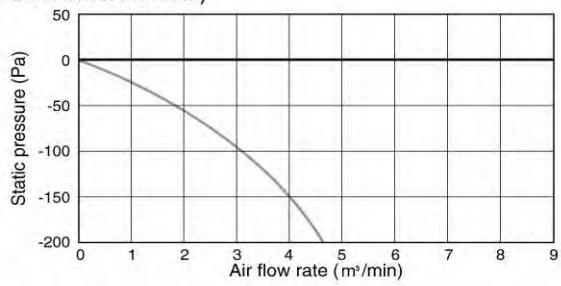
E ..... Static pressure [Pa] of indoor unit at air flow rate of Q

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

③ PLA-RP100/RP125/RP140AA PLH-P100/P125/P140AAH
(at using of multi-function casement, standard filter)

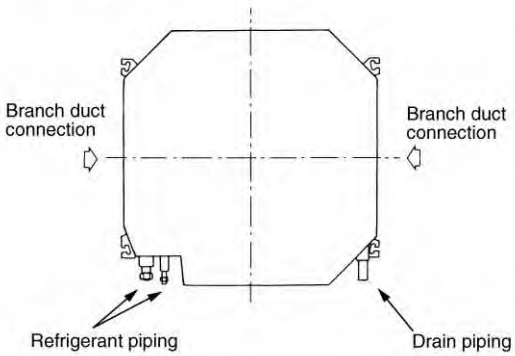


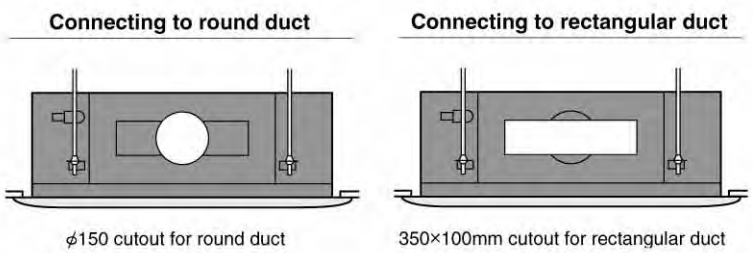
④ PLA-RP100/RP125/RP140AA PLH-P100/P125/P140AAH
(Direct intake to unit)



8-2-2. 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.



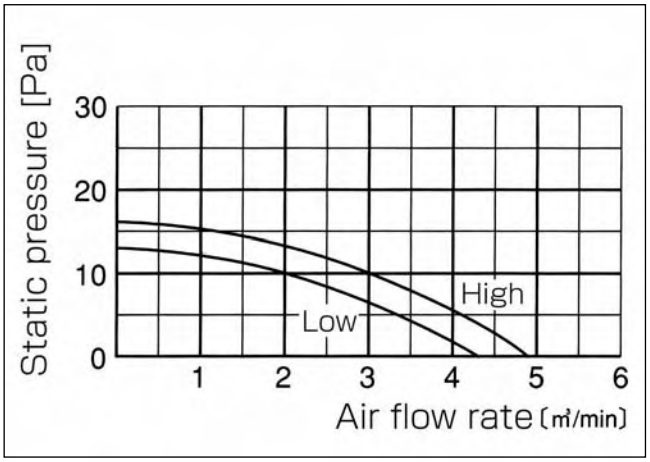


Branch duct air flow rate/static pressure characteristics

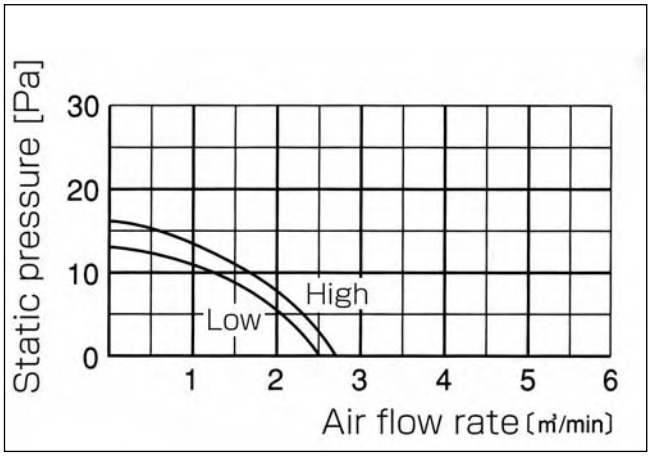
PLA-RP35AA

PLH-P35AAH

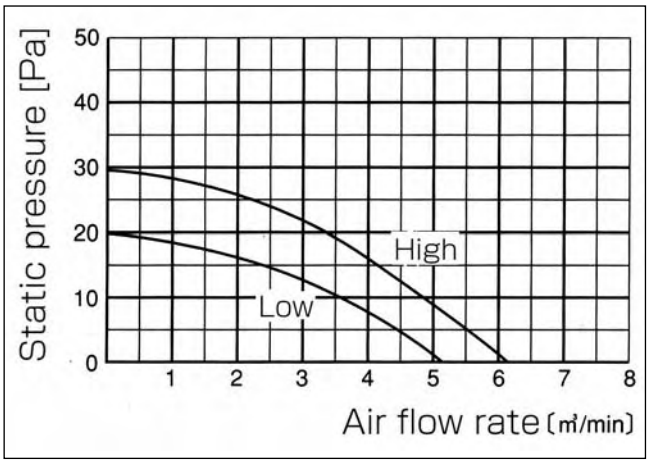
4-way air flow (horizontal vane) Rectangular duct



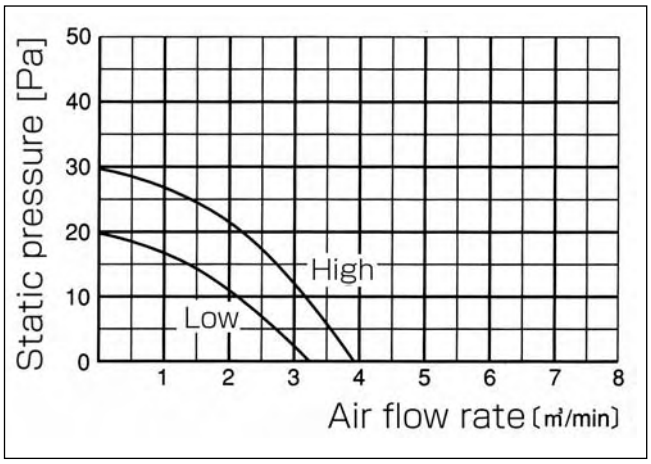
4-way air flow (horizontal vane) Round duct



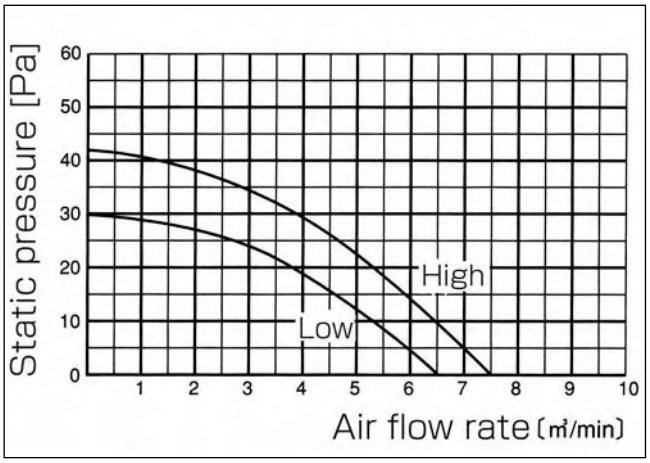
3-way air flow (horizontal vane) Rectangular duct



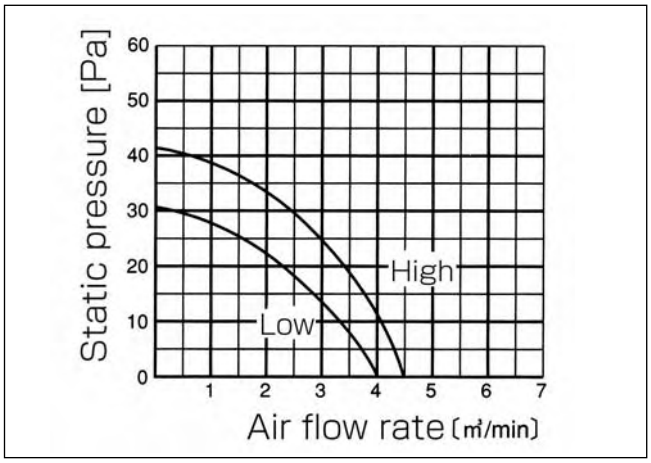
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

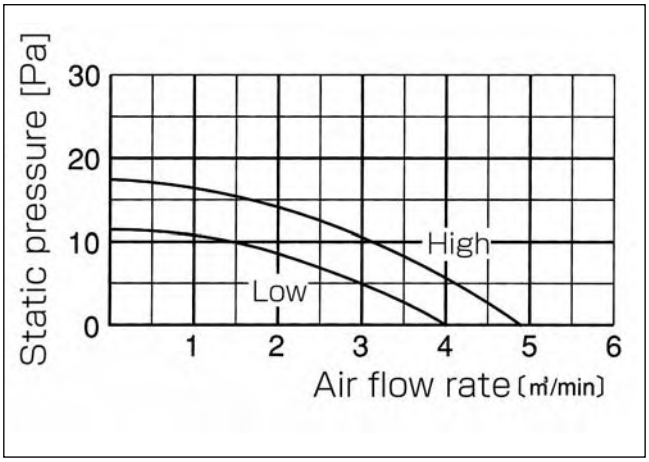


2-way air flow (horizontal vane) Round duct

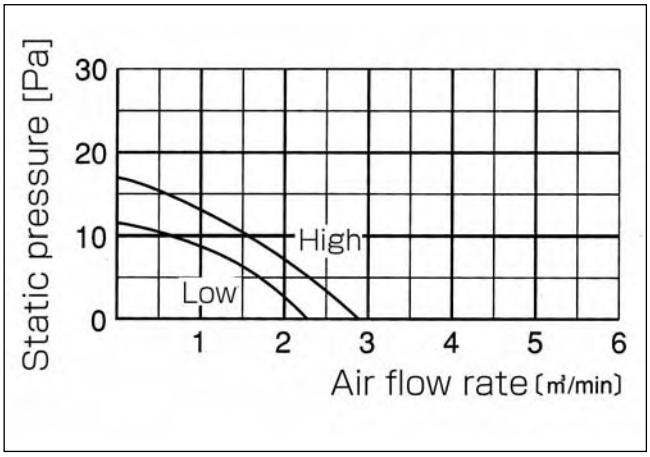


PLA-RP50AA PLA-RP60AA
PLH-P50AAH PLH-P60AAH

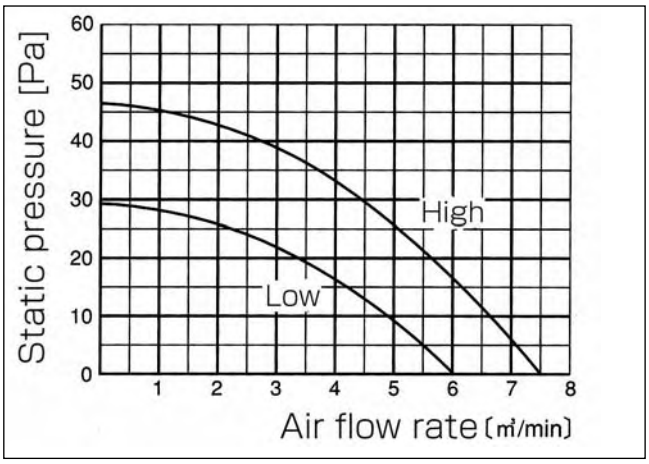
4-way air flow (horizontal vane) Rectangular duct



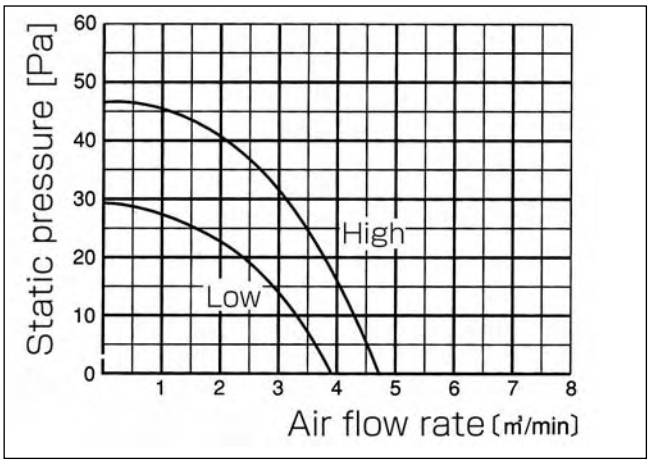
4-way air flow (horizontal vane) Round duct



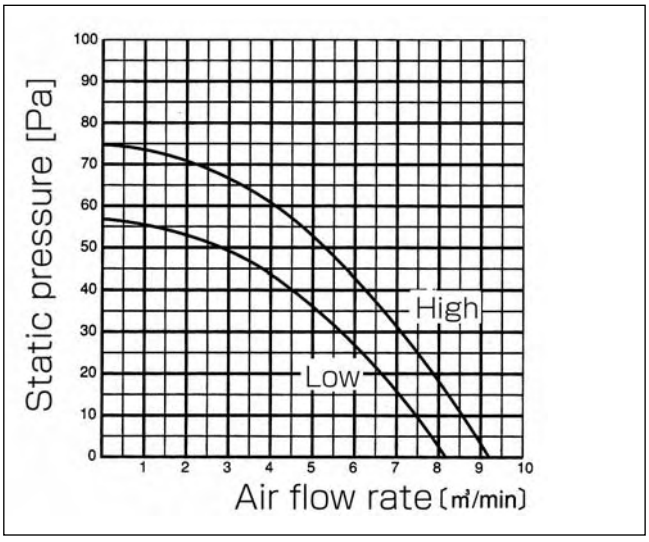
3-way air flow (horizontal vane) Rectangular duct



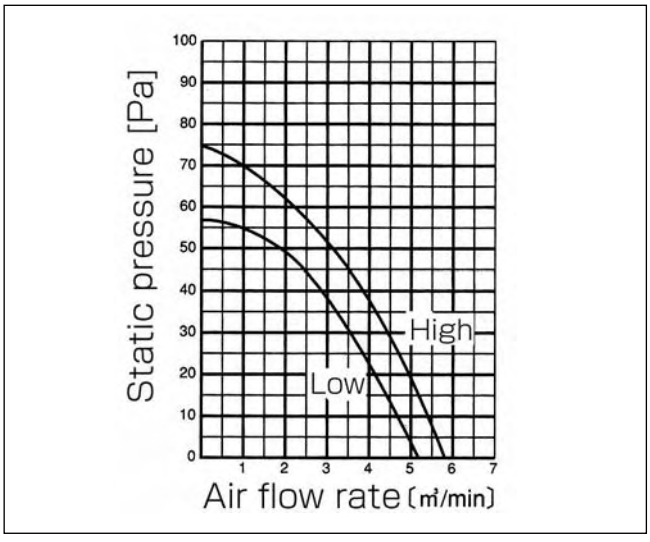
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

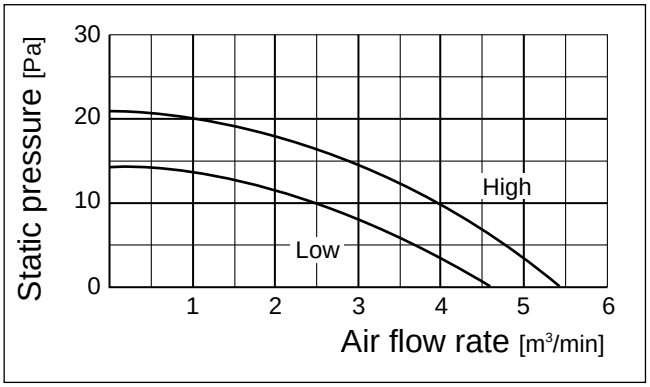


2-way air flow (horizontal vane) Round duct

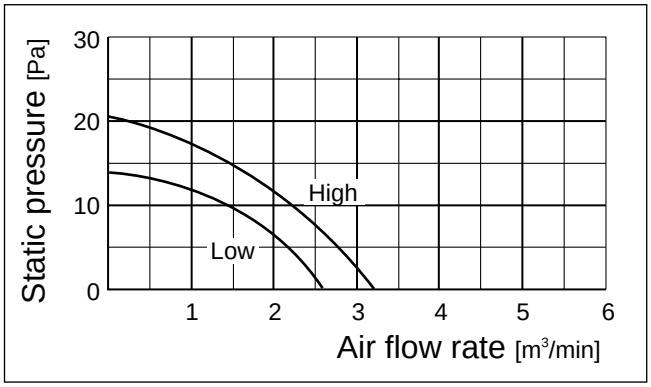


PLA-RP71AA
PLH-P71AAH

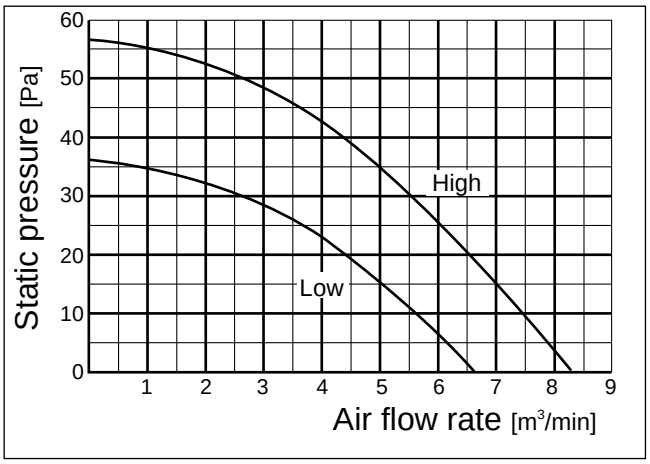
4-way air flow (horizontal vane) Rectangular duct



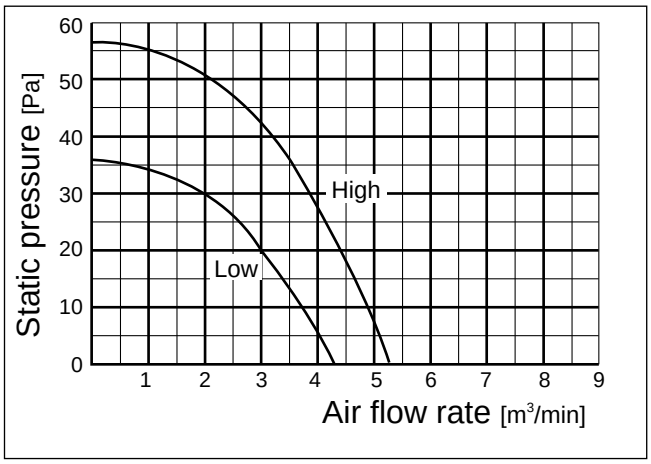
4-way air flow (horizontal vane) Round duct



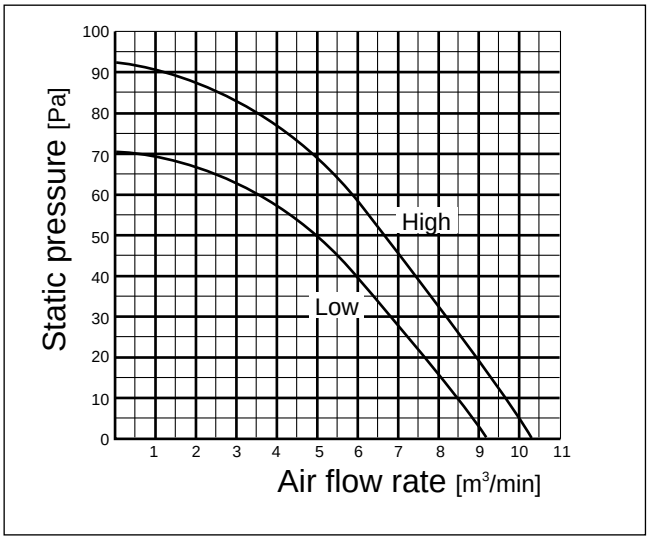
3-way air flow (horizontal vane) Rectangular duct



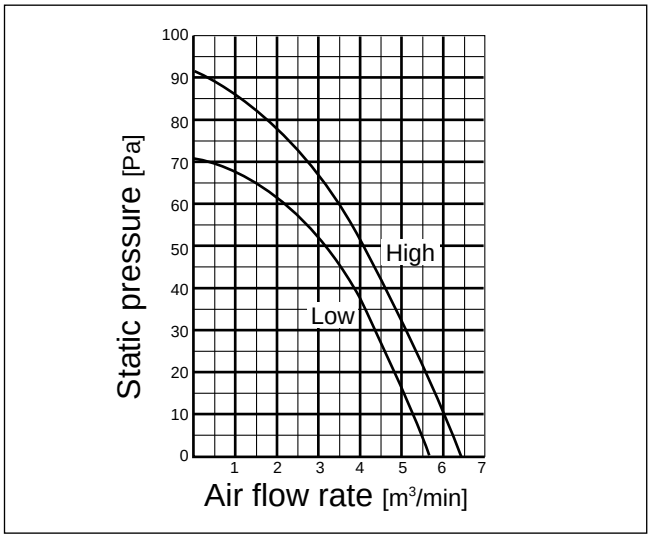
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

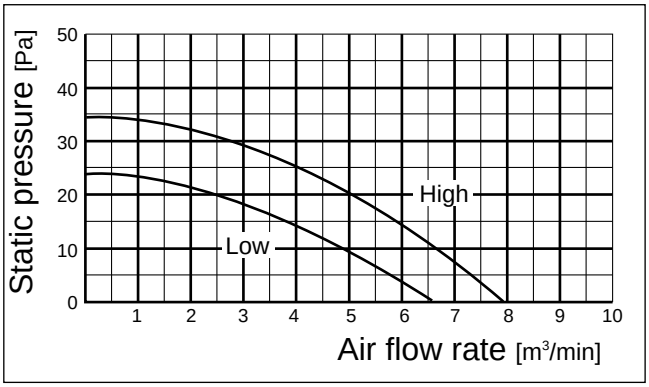


2-way air flow (horizontal vane) Round duct

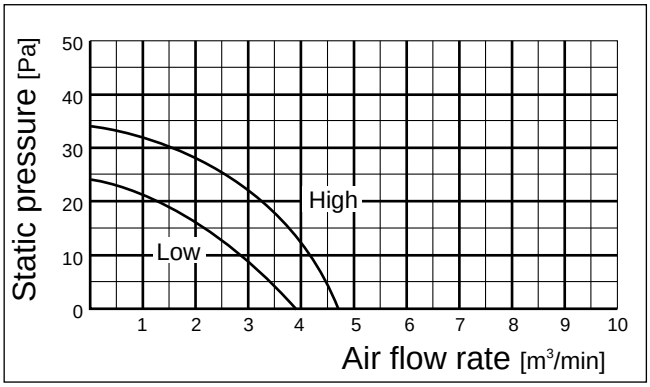


PLA-RP100AA
PLH-P100AAH

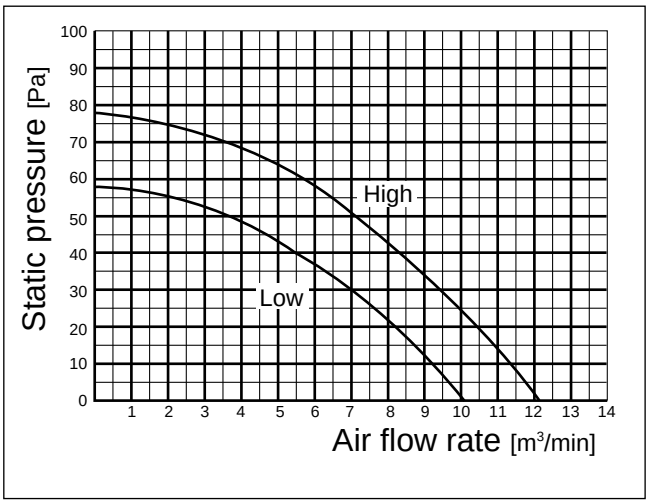
4-way air flow (horizontal vane) Rectangular duct



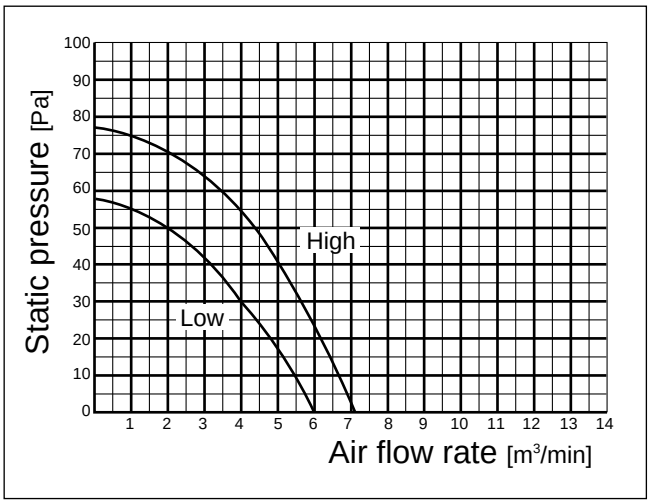
4-way air flow (horizontal vane) Round duct



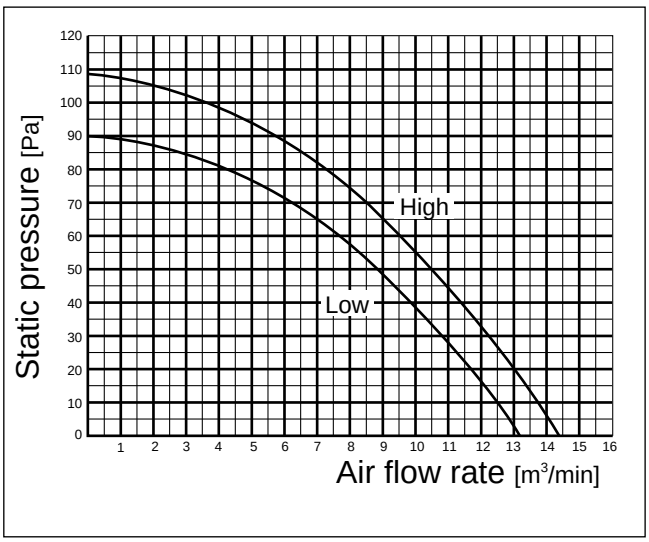
3-way air flow (horizontal vane) Rectangular duct



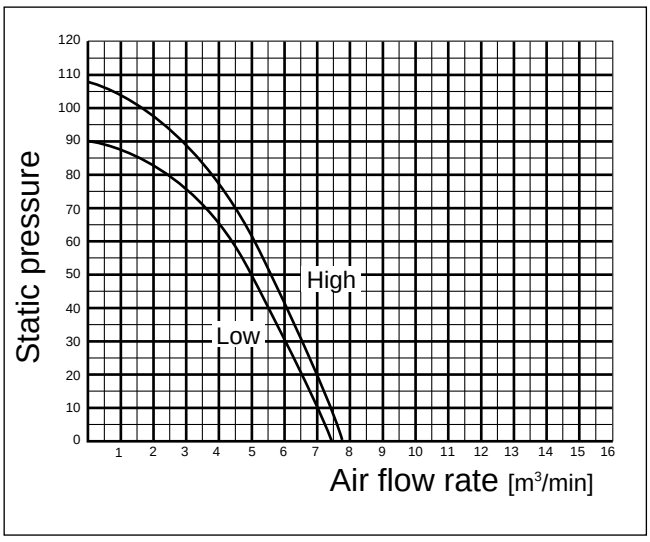
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

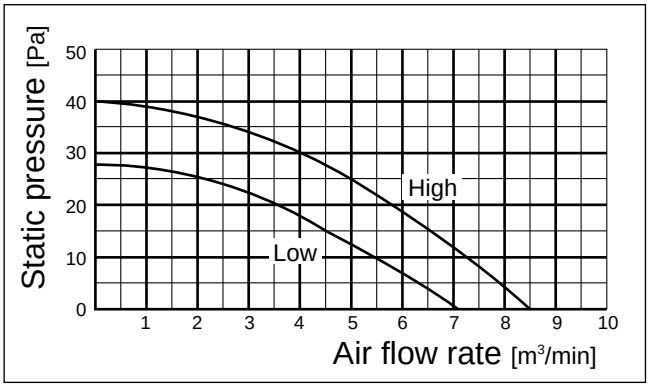


2-way air flow (horizontal vane) Round duct

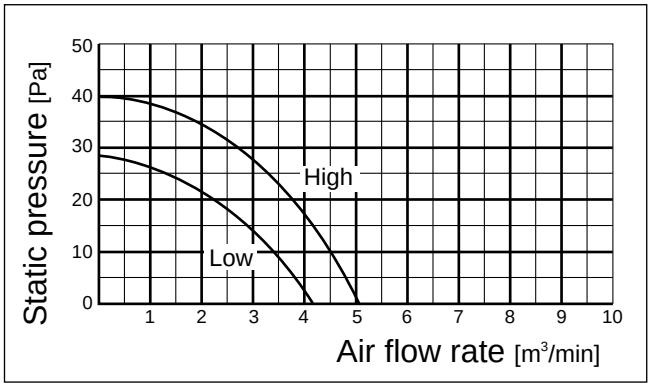


PLA-RP125AA PLA-RP140AA
PLH-P125AAH PLH-P140AAH

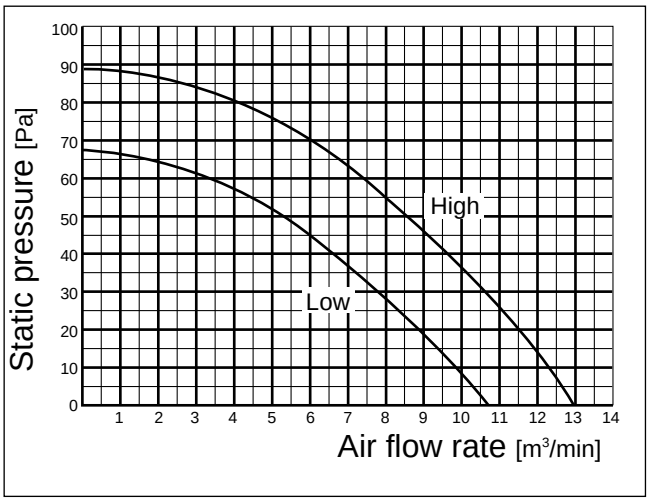
4-way air flow (horizontal vane) Rectangular duct



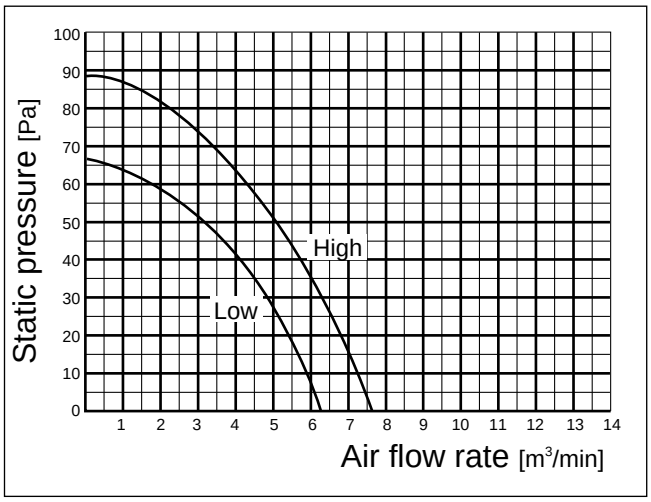
4-way air flow (horizontal vane) Round duct



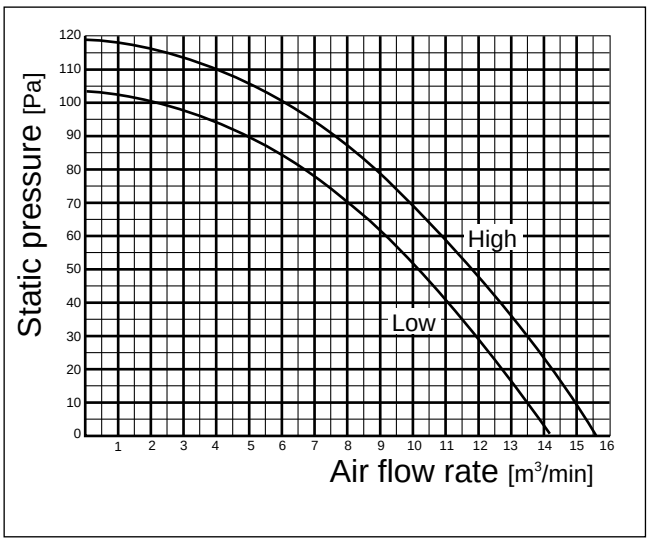
3-way air flow (horizontal vane) Rectangular duct



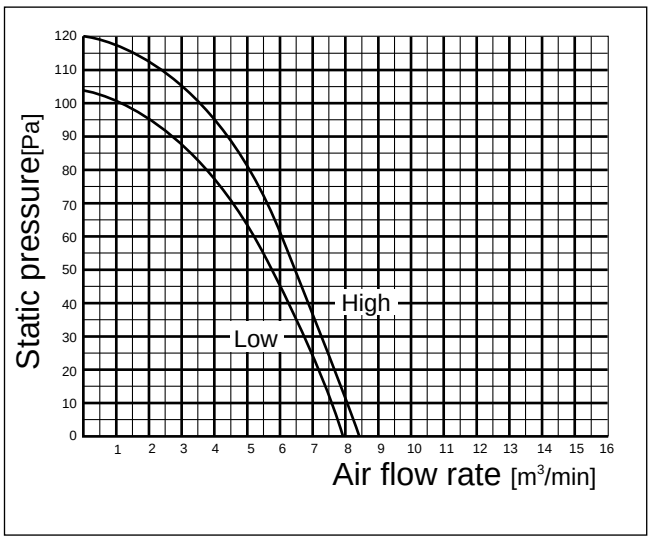
3-way air flow (horizontal vane) Round duct



2-way air flow (horizontal vane) Rectangular duct

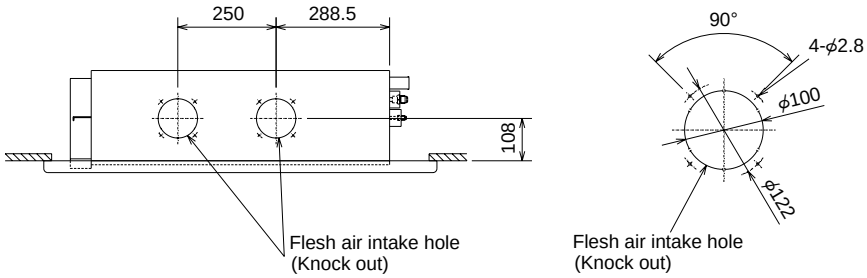


2-way air flow (horizontal vane) Round duct



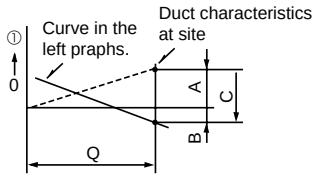
8-3.PMH-P•BA
Air capacity taken from outside

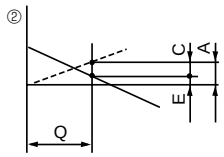
PMH-P·BA series are possible to be taken air from outside.
When taking air from the outside, the duct fan can be used to.
The air capacity should be 20% or less of the air flow SPEC(Hi).

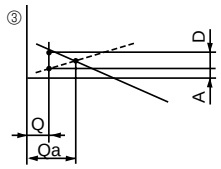


	Air flow (Hi)	Air capacity taken outside
PMH-P25BA	8.4m^3/min	1.6m^3/min
PMH-P35BA	10.0m^3/min	2.0m^3/min
PMH-P50BA	11.0m^3/min	2.2m^3/min

How to read curves







Q…Planned amount of fresh air intake <m^3/min>

A…Static pressure loss of fresh air intake duct system with air flow amount Q <Pa>

B…Forced static pressure at air conditioner inlet with air flow amount Q <Pa>

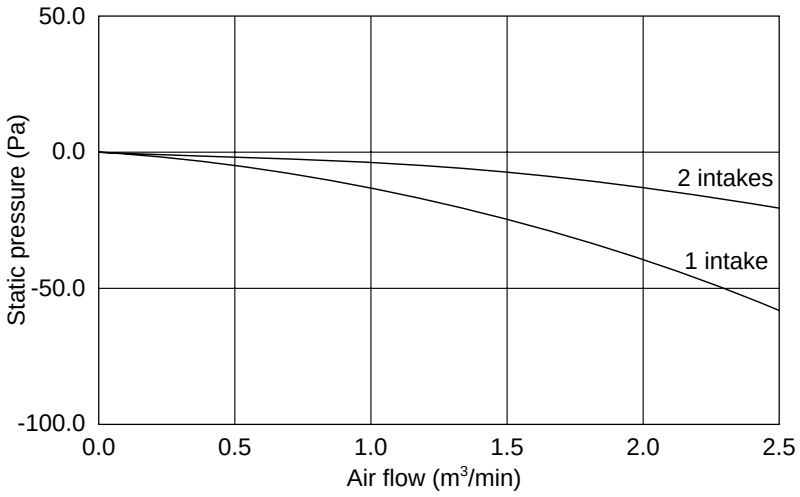
C…Static pressure of booster fan with air flow amount Q <Pa>

D…Static pressure loss increase amount of fresh air intake duct system for air flow amount Q <Pa>

E…Static pressure of indoor unit with air flow amount Q <Pa>

Qa…Estimated amount of fresh air intake without D <m^3/min>

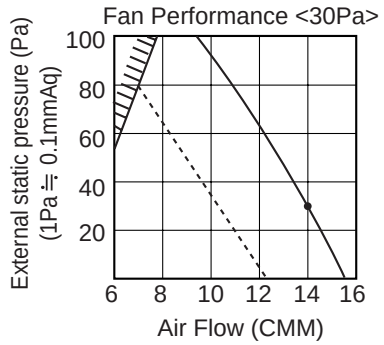
Characteristic diagram of air capacity taken from outside

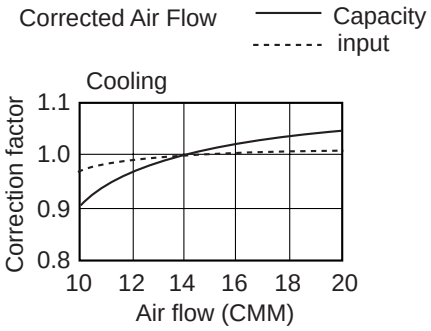


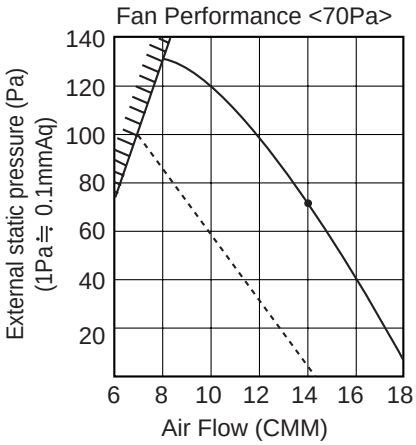
8-4. PEAD-RP·EA, GA, PEHD-P·EAH

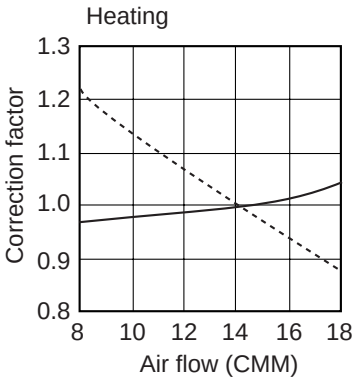
8-4-1. FAN PERFORMANCE AND CORRECTED AIR FLOW

PEAD-RP35EA PEHD-P35EAH

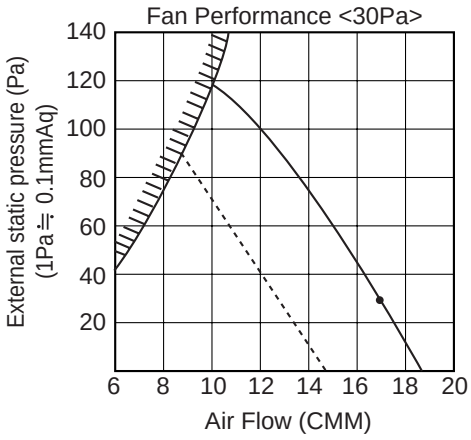


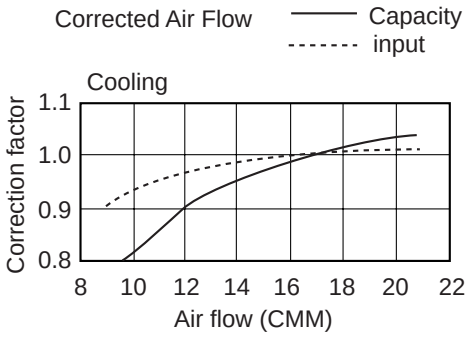


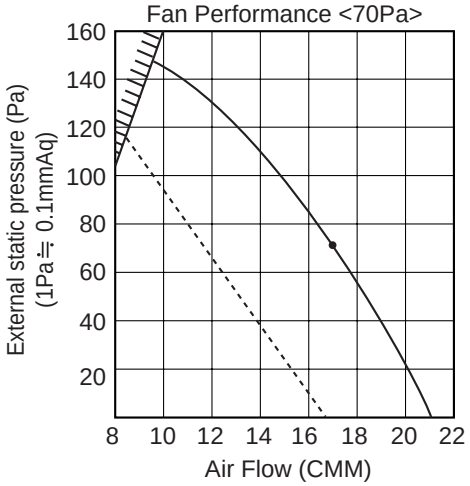


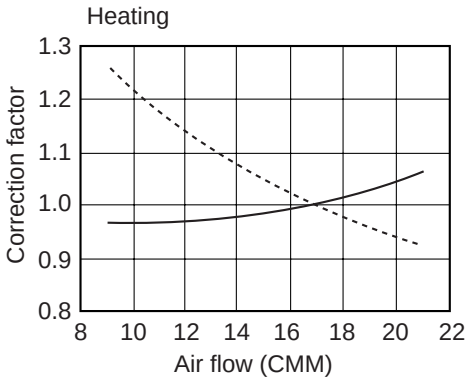


PEAD-RP50EA PEHD-P50EAH



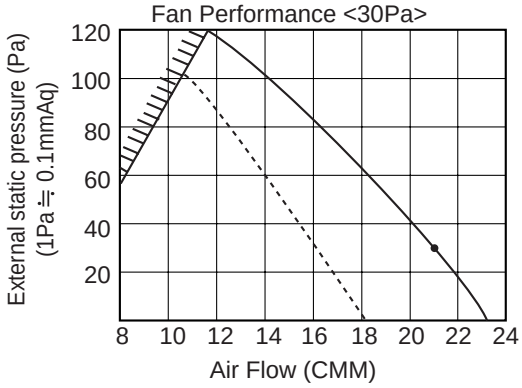




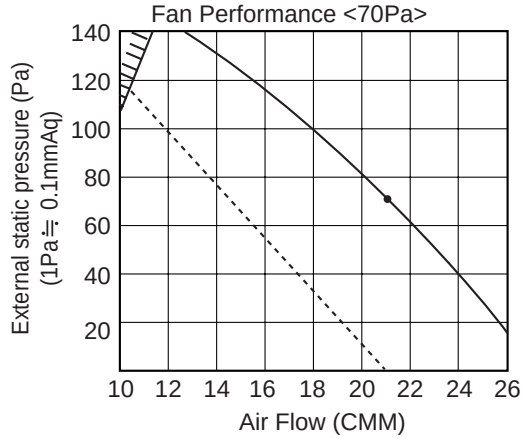


PEAD-RP60EA PEHD-P60EAH

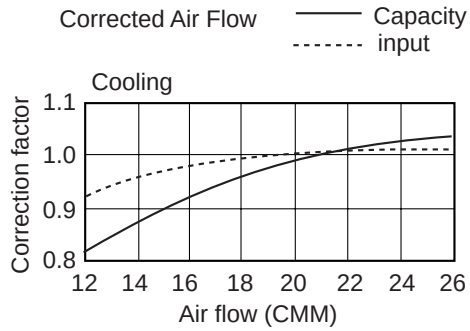
Fan Performance <30Pa>

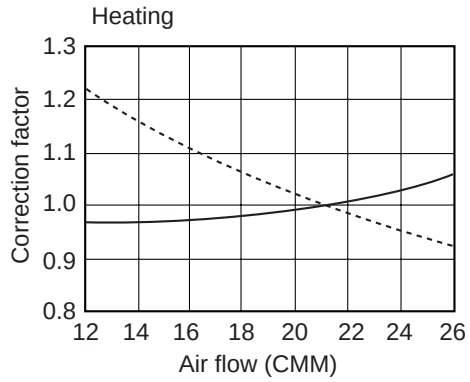


Fan Performance <70Pa>



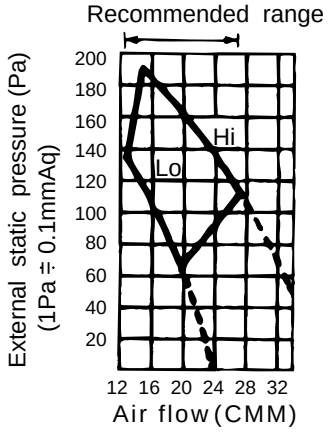
Corrected Air Flow



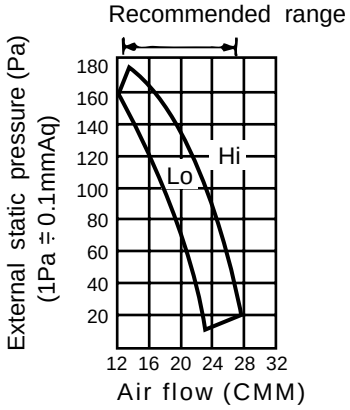


PEAD-RP71EA PEHD-P71EAH

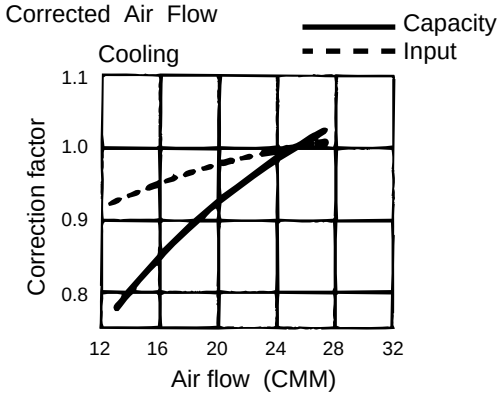
Fan performance <130Pa>

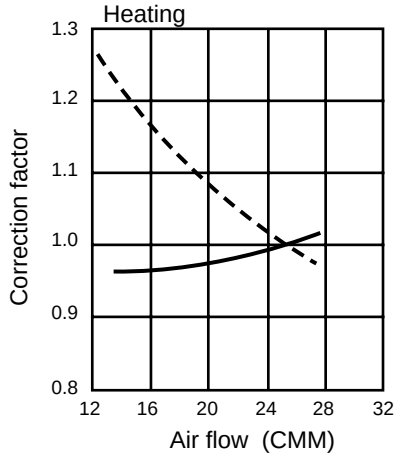


Fan performance <70Pa>



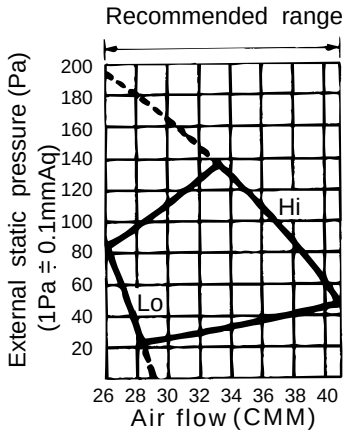
Corrected Air Flow



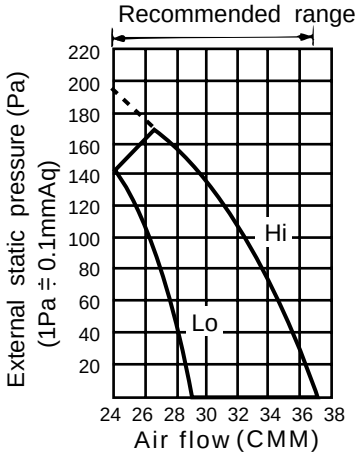


PEAD-RP100EA PEHD-P100EAH

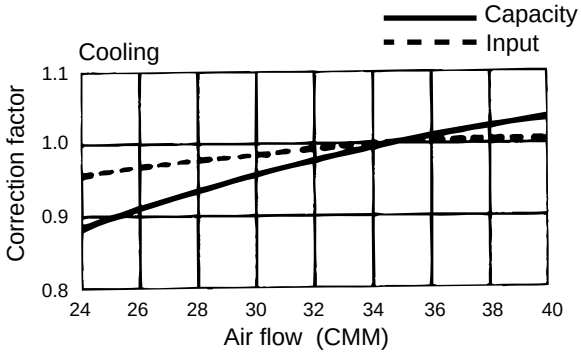
Fan performance <130Pa>



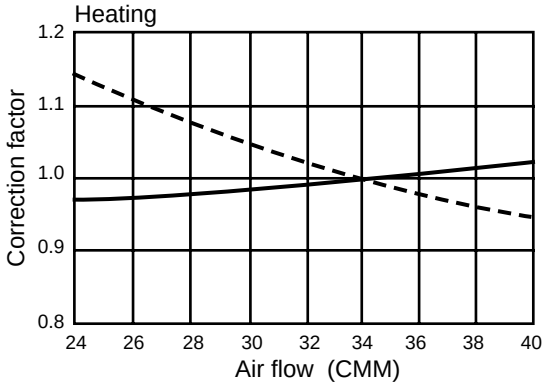
Fan performance <70Pa>



Corrected Air Flow

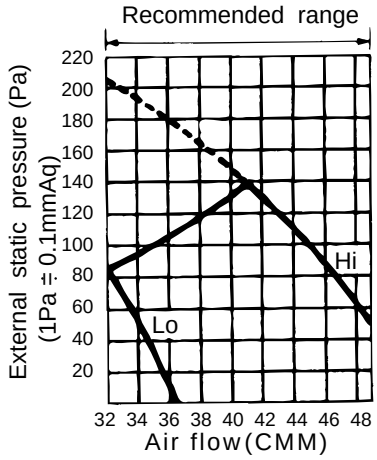


Heating

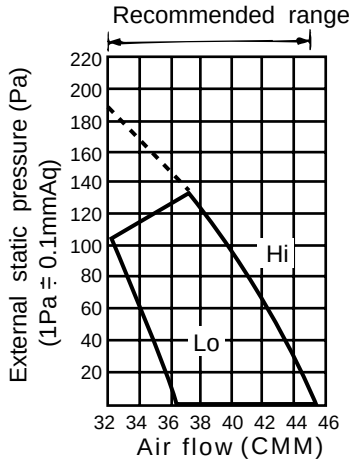


PEAD-RP125EA PEHD-P125EAH

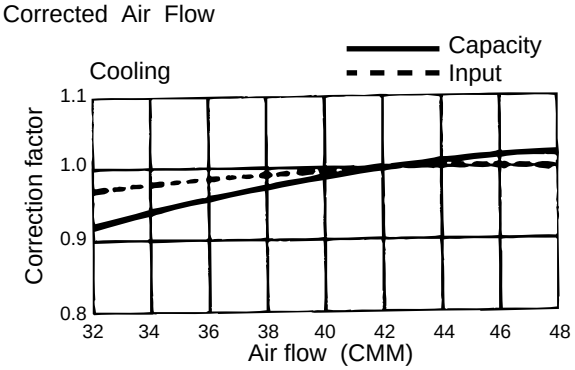
Fan performance <130Pa>



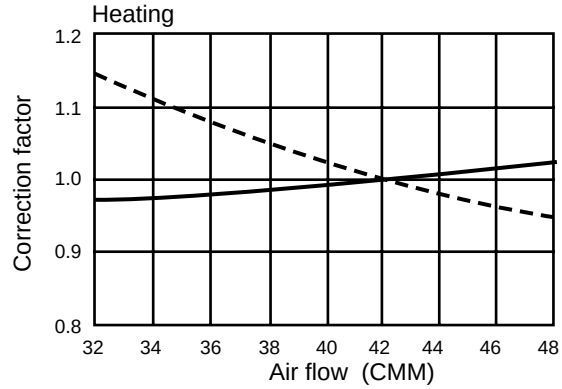
Fan performance <70Pa>



Corrected Air Flow

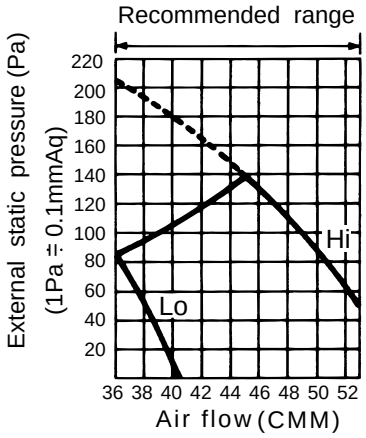


Heating

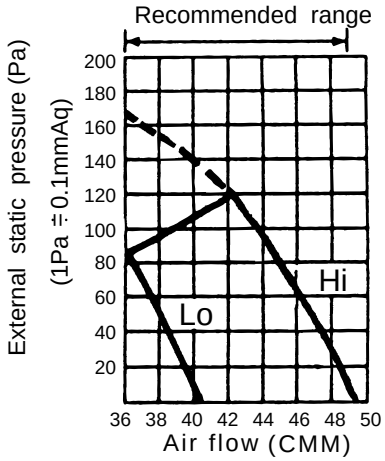


PEAD-RP140EA PEHD-P140EAH

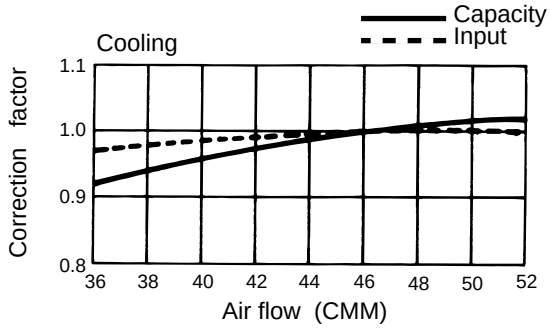
Fan performance <130Pa>

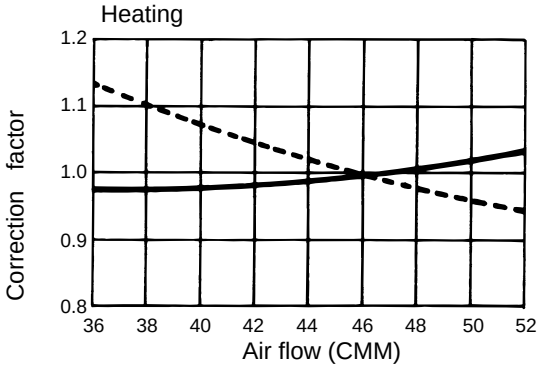


Fan performance <70Pa>



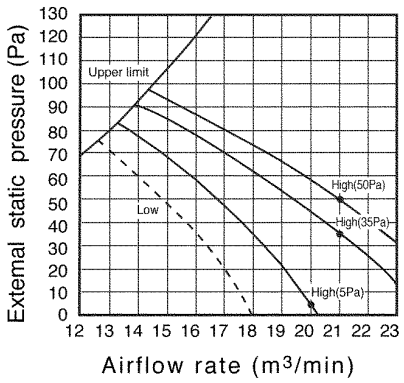
Corrected Air Flow



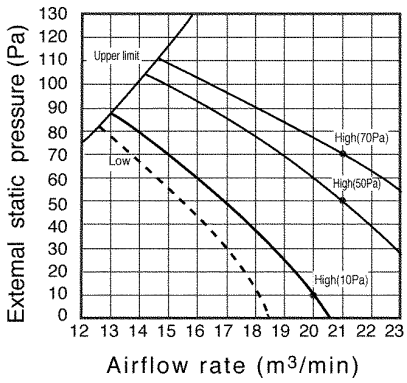


PEAD-RP60GA

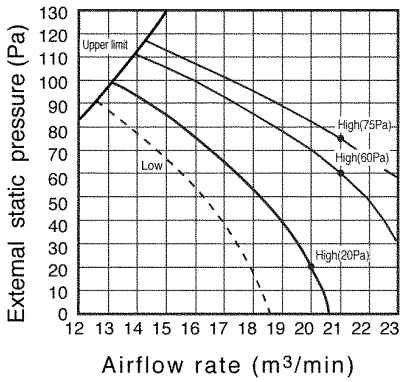
Fan performance <220V>



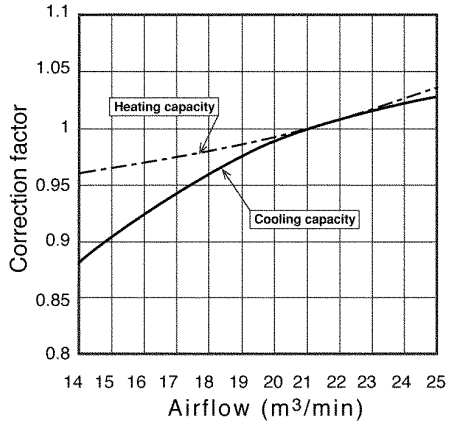
Fan performance <230V>



Fan performance <240V>

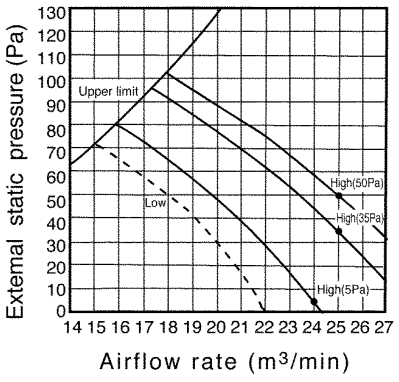


Corrected air flow

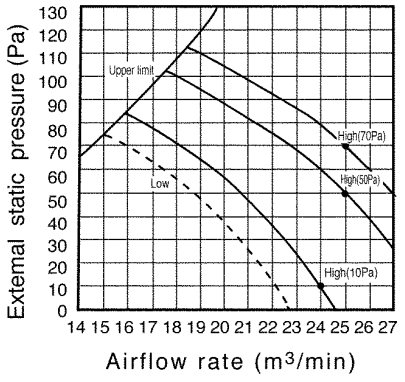


PEAD-RP71GA

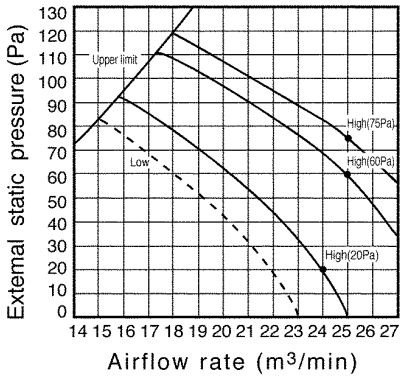
Fan performance <220V>



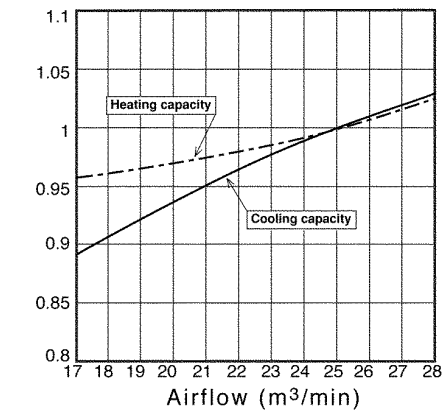
Fan performance <230V>



Fan performance <240V>

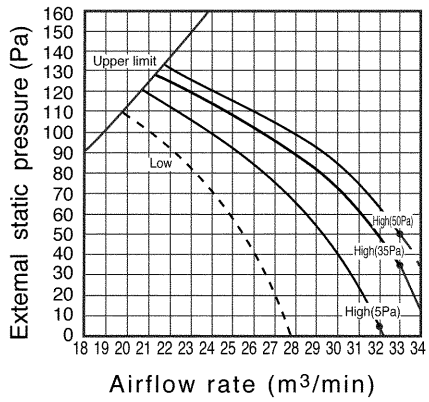


Corrected air flow

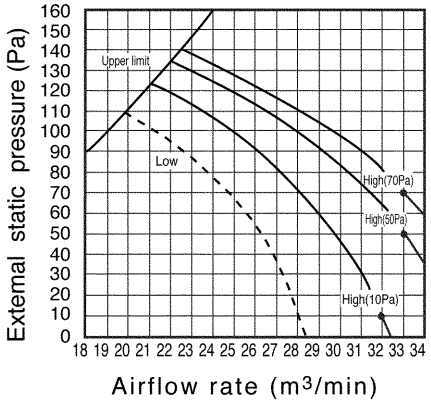


PEAD-RP100GA

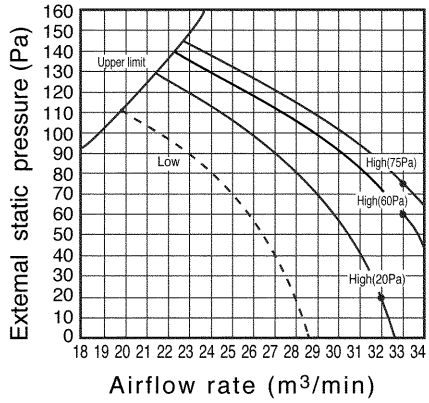
Fan performance <220V>



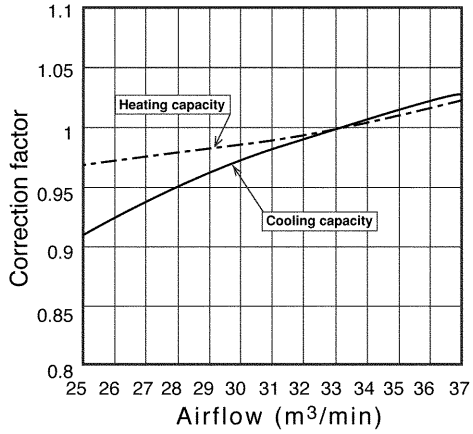
Fan performance <230V>



Fan performance <240V>



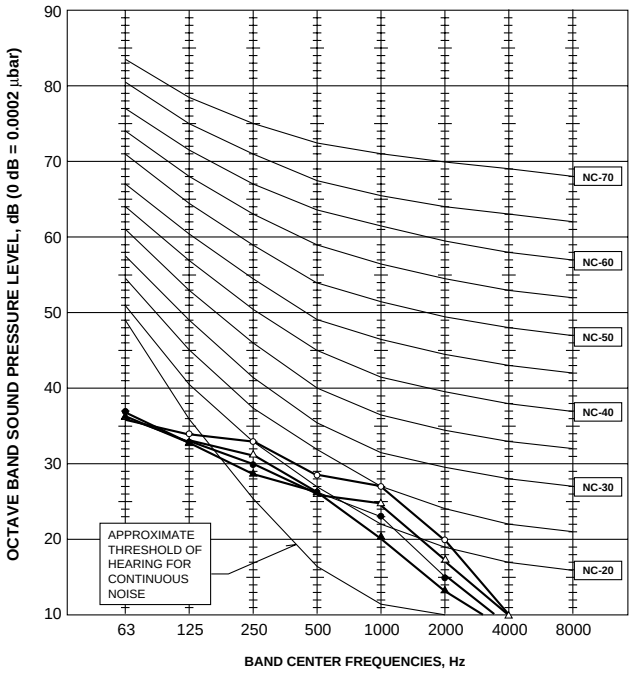
Corrected air flow



9 NOISE CRITERION CURVES

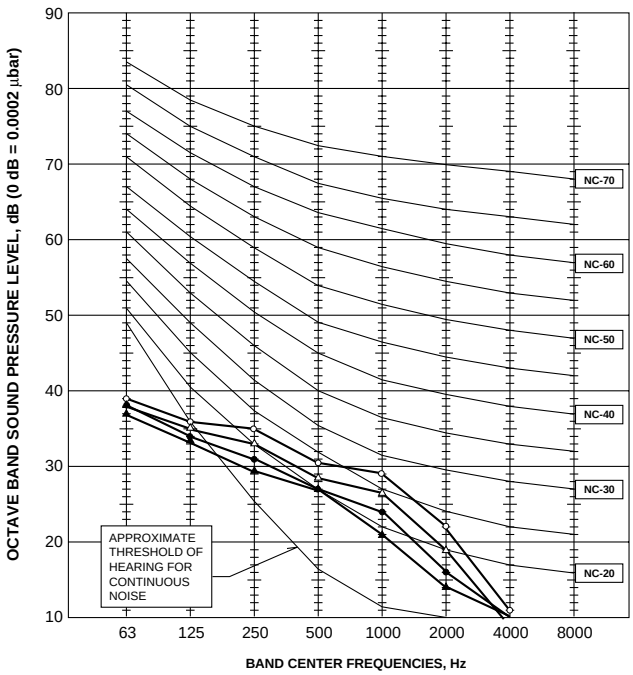
PLA-RP35AA
PLH-P35AAH

NOTCH	SPL(dB)	LINE
High	31	
Medium1	29	
Medium2	28	
Low	27	



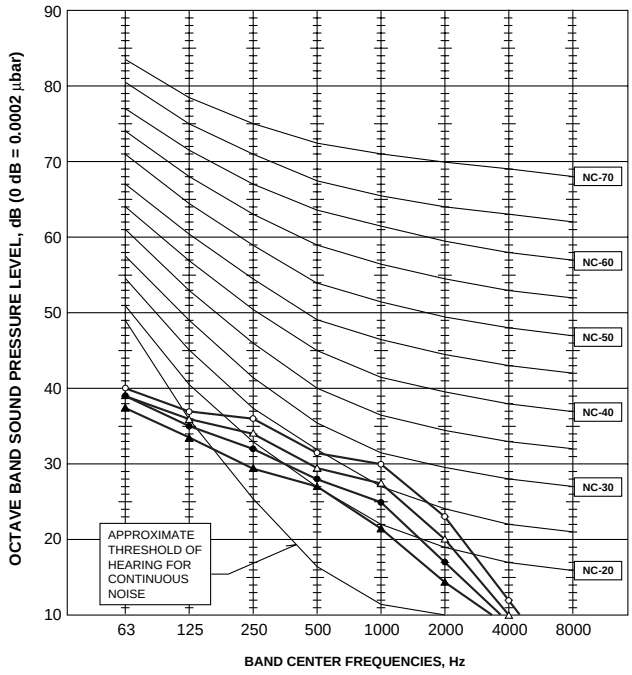
PLA-RP50AA
PLA-RP60AA
PLH-P50AAH
PLH-P60AAH

NOTCH	SPL(dB)	LINE
High	33	
Medium1	31	
Medium2	29	
Low	28	



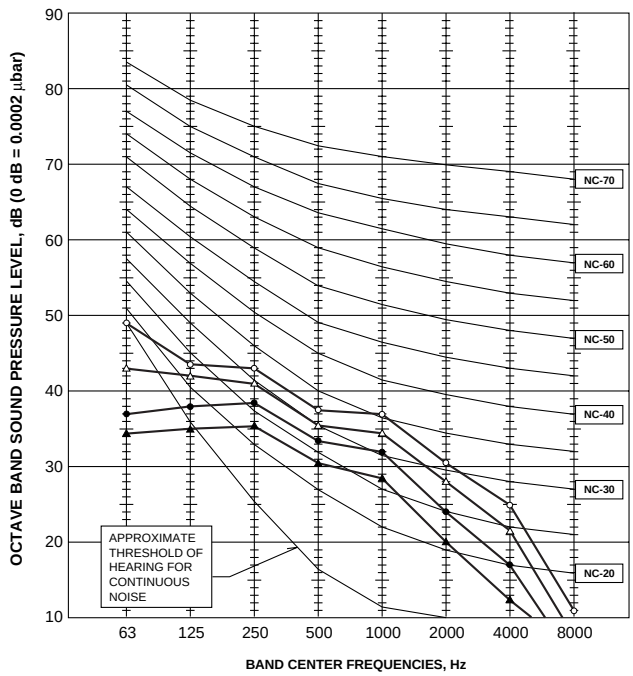
PLA-RP71AA
PLH-P71AAH

NOTCH	SPL(dB)	LINE
High	34	
Medium1	32	
Medium2	30	
Low	28	



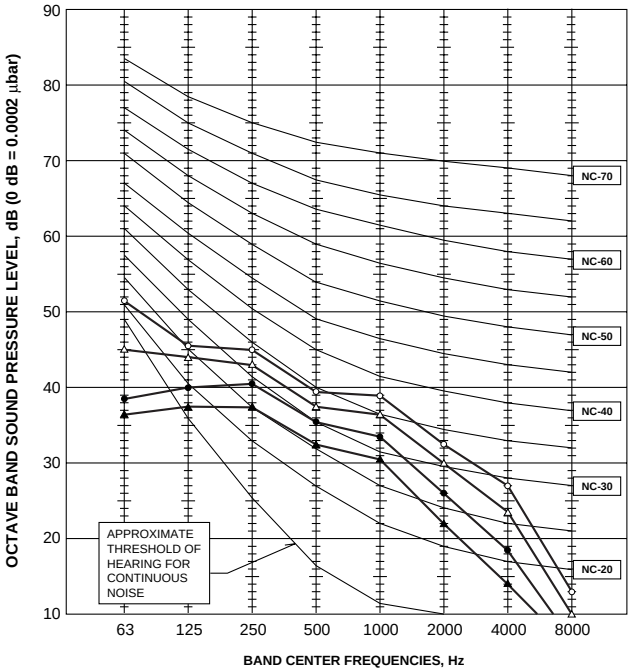
PLA-RP100AA
PLH-P100AAH

NOTCH	SPL(dB)	LINE
High	41	
Medium1	39	
Medium2	36	
Low	33	



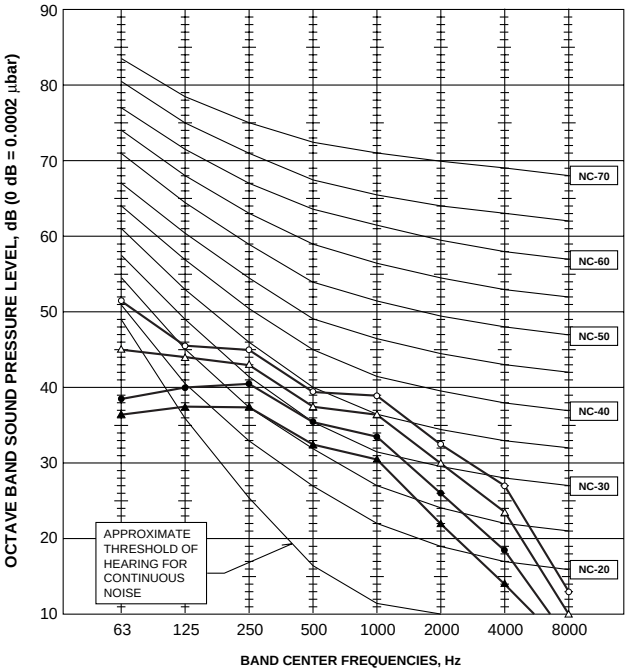
PLA-RP125AA
PLH-P125AAH

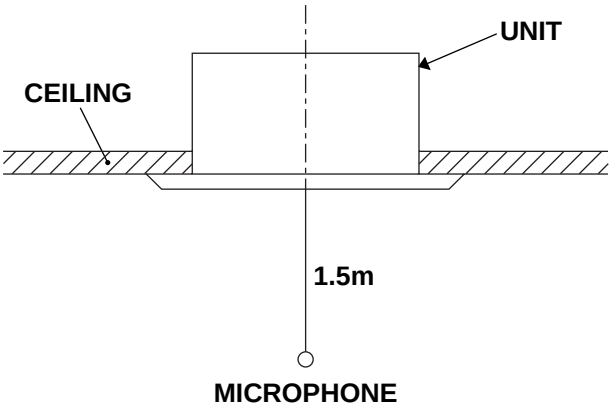
NOTCH	SPL(dB)	LINE
High	45	
Medium1	43	
Medium2	40	
Low	37	



PLA-RP140AA
PLH-P140AAH

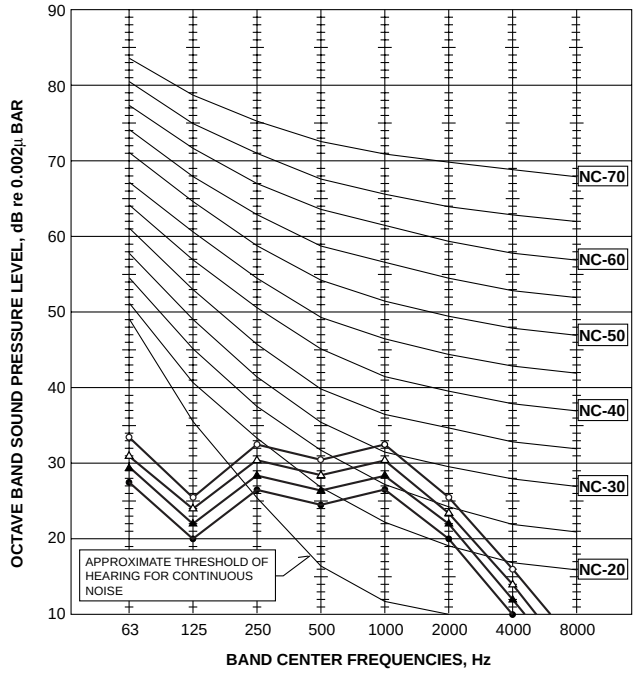
NOTCH	SPL(dB)	LINE
High	45	
Medium1	43	
Medium2	40	
Low	37	





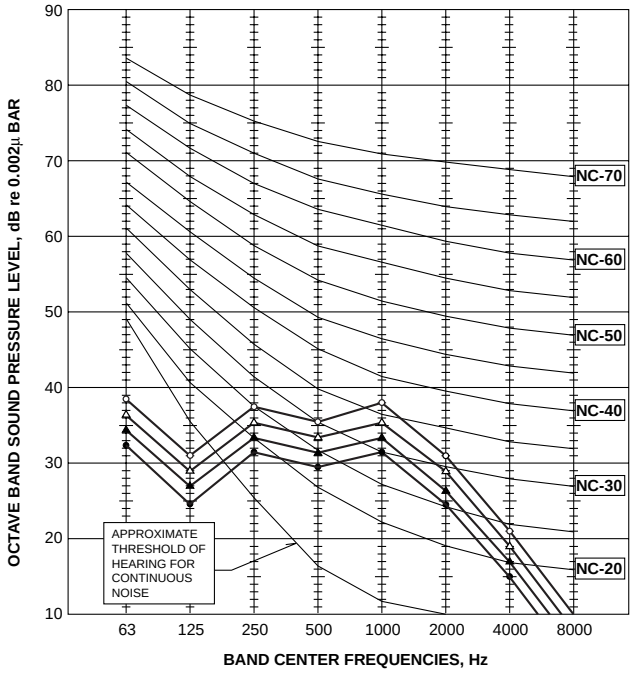
PMH-P25BA

NOTCH	SPL(dB)	LINE
High	35	
Medium1	33	
Medium2	31	
Low	29	



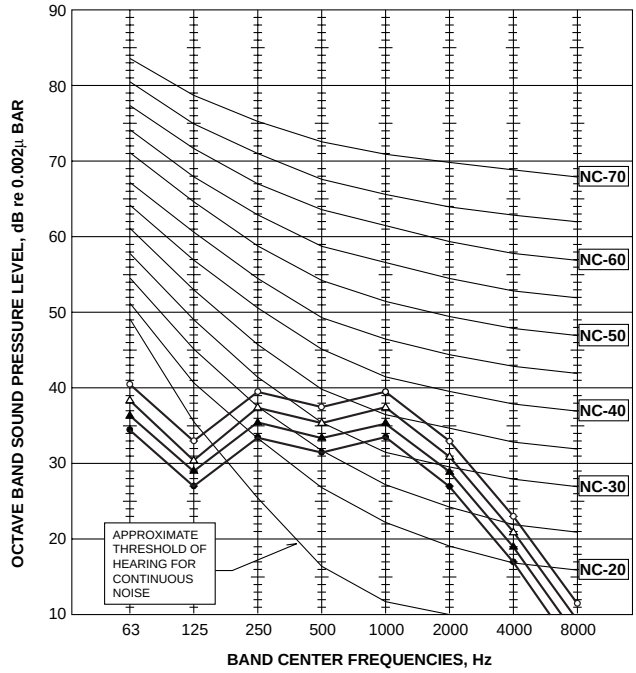
PMH-P35BA

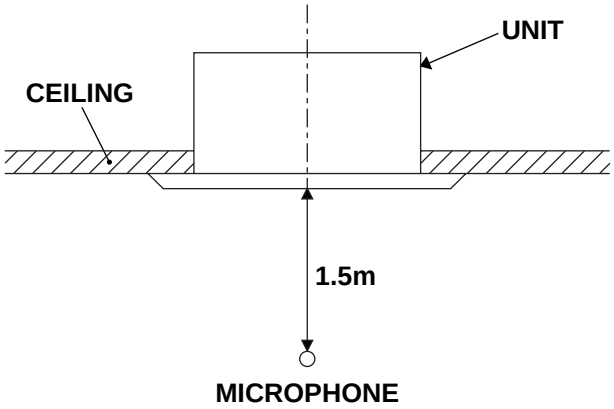
NOTCH	SPL(dB)	LINE
High	40	
Medium1	38	
Medium2	36	
Low	34	



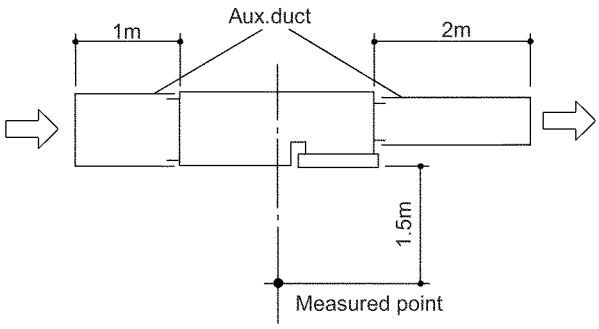
PMH-P50BA

NOTCH	SPL(dB)	LINE
High	42	
Medium1	40	
Medium2	38	
Low	36	





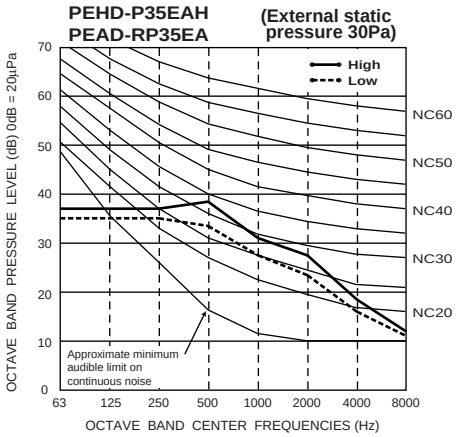
Ceiling concealed

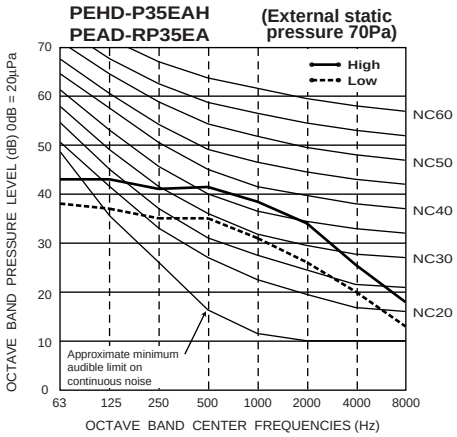


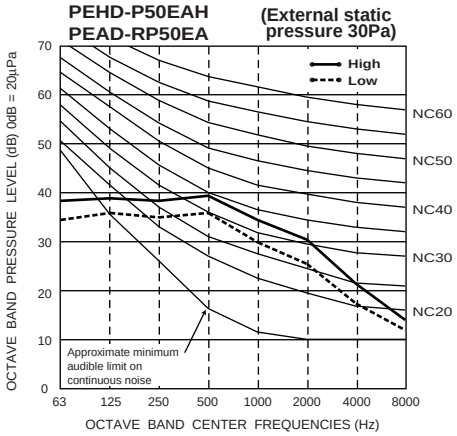
Noise level at anechoic room (Low-High) Unit : dB(A)

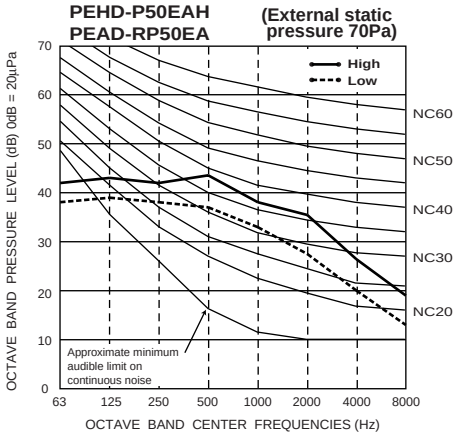
Model	External static pressure		
	30Pa	70Pa	130Pa
(R)P35EA(H)	34-38	36-43	-
(R)P50EA(H)	36-40	38-44	-
(R)P60EA(H)	37-41	39-46	-
(R)P71EA(H)	-	37-41	40-45 ❊
(R)P100EA(H)	-	41-46	42-48 ❊
(R)P125EA(H)	-	44-50	46-52 ❊
(R)P140EA(H)	-	46-51	47-53 ❊

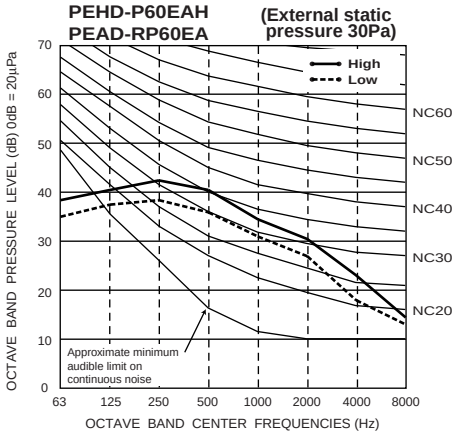
❊ Optional motor

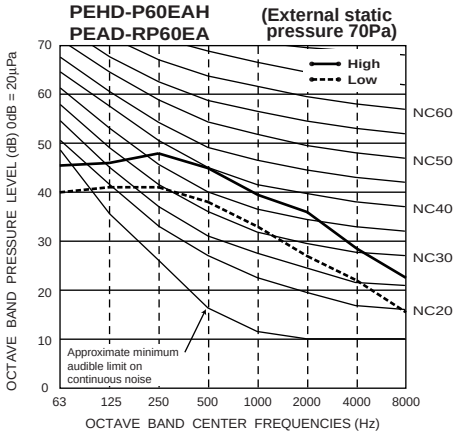




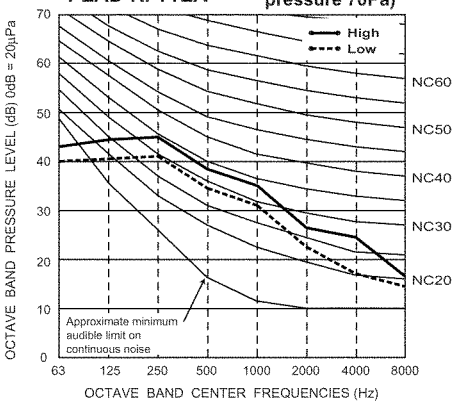




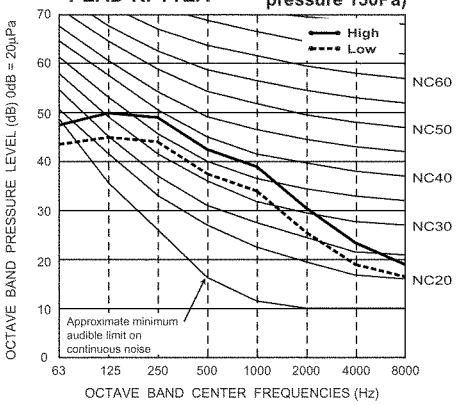




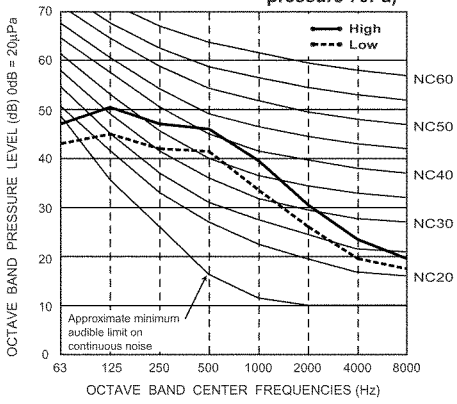
PEHD-P71EAH
PEAD-RP71EA (External static pressure 70Pa)



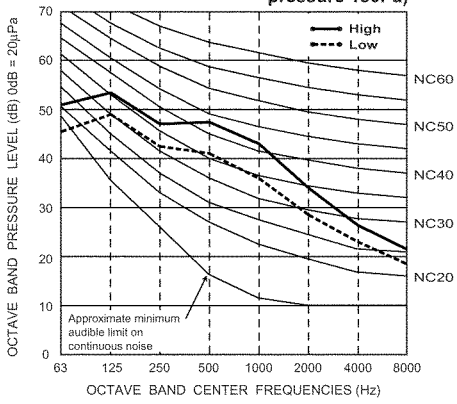
PEHD-P71EAH
PEAD-RP71EA (External static pressure 130Pa)



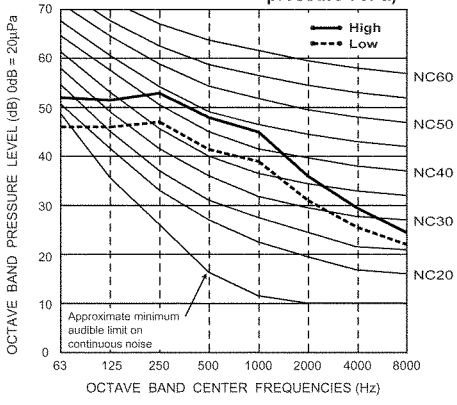
PEHD-P100EAH
PEAD-RP100EA (External static pressure 70Pa)



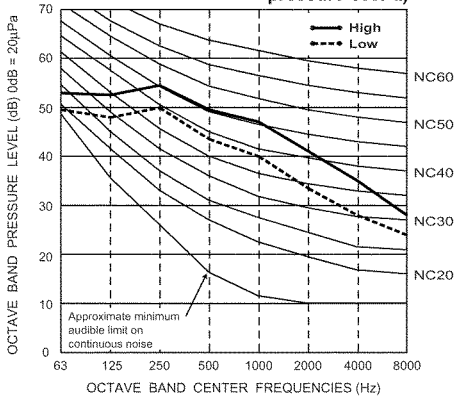
PEHD-P100EAH
PEAD-RP100EA (External static pressure 130Pa)



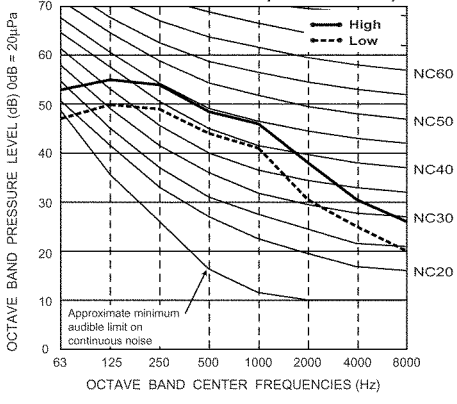
PEHD-P125EAH
PEAD-RP125EA (External static pressure 70Pa)



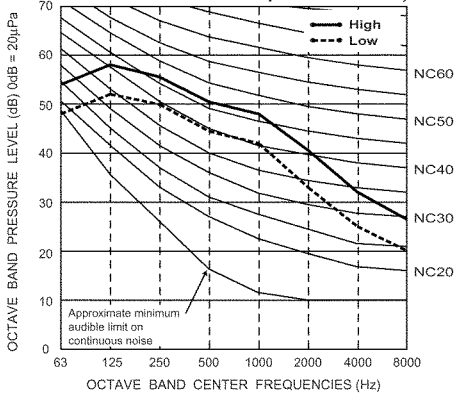
PEHD-P125EAH
PEAD-RP125EA (External static pressure 130Pa)



PEHD-P140EAH
PEAD-RP140EA (External static pressure 70Pa)

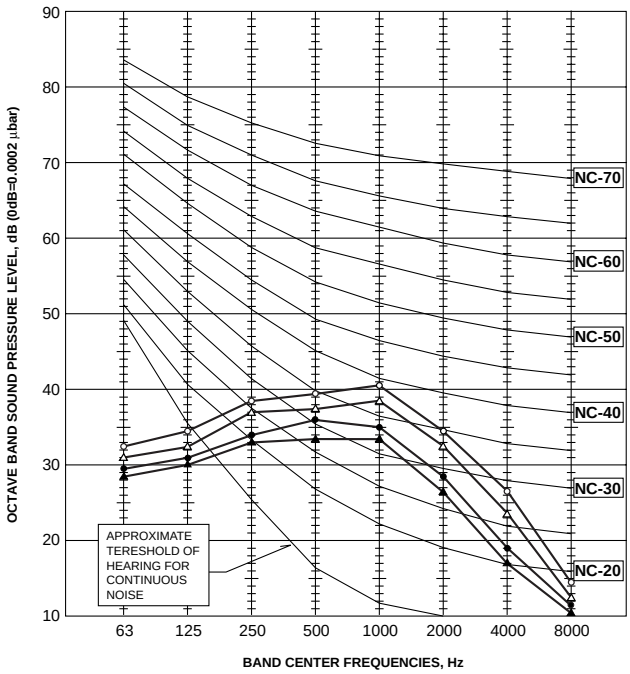


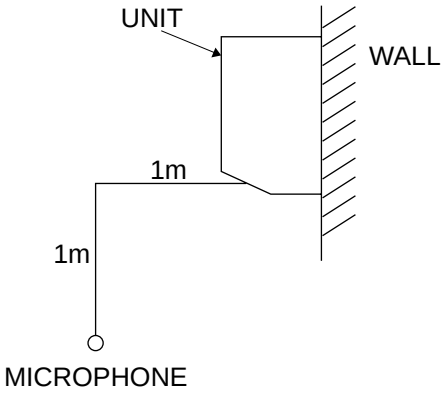
PEHD-P140EAH
PEAD-RP140EA (External static pressure 130Pa)



PKA-RP35GAL
PKA-RP50GAL
PKH-P35GALH
PKH-P50GALH

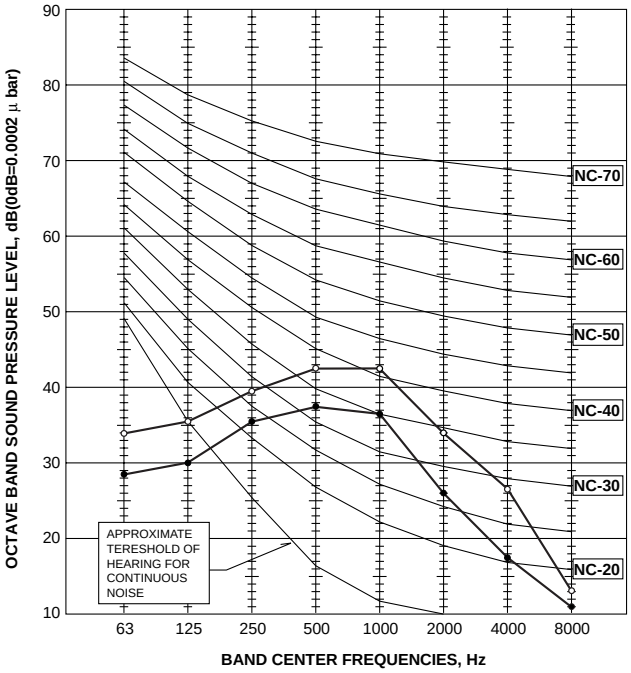
NOTCH	SPL(dB)	LINE
High	43	○—○
Medium1	41	△—△
Medium2	38	●—●
Low	36	▲—▲





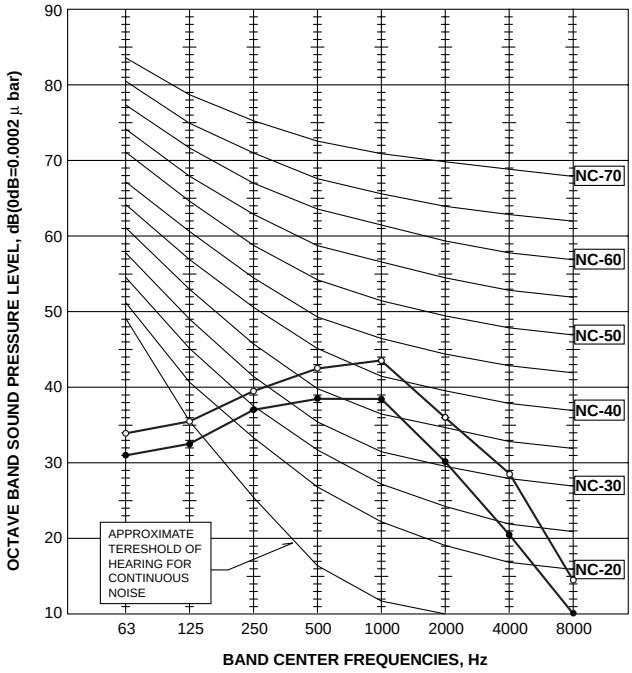
PKA-RP60FAL
PKA-RP71FAL
PKH-P60FALH
PKH-P71FALH

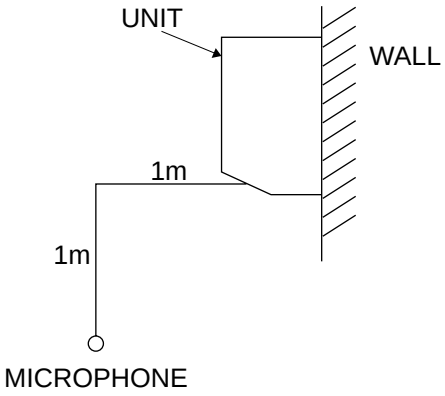
NOTCH	SPL(dB)	LINE
High	45	○—○
Low	39	●—●



PKA-RP100FAL
PKH-P100FALH

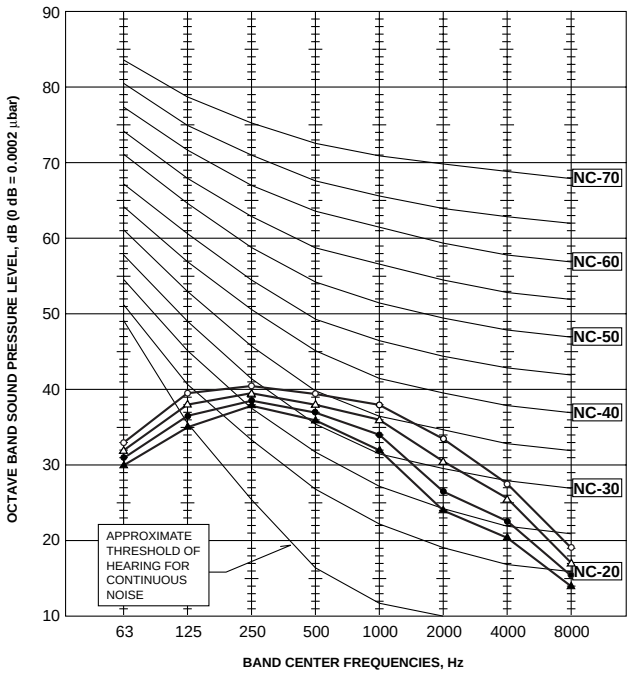
NOTCH	SPL(dB)	LINE
High	46	○—○
Low	41	●—●





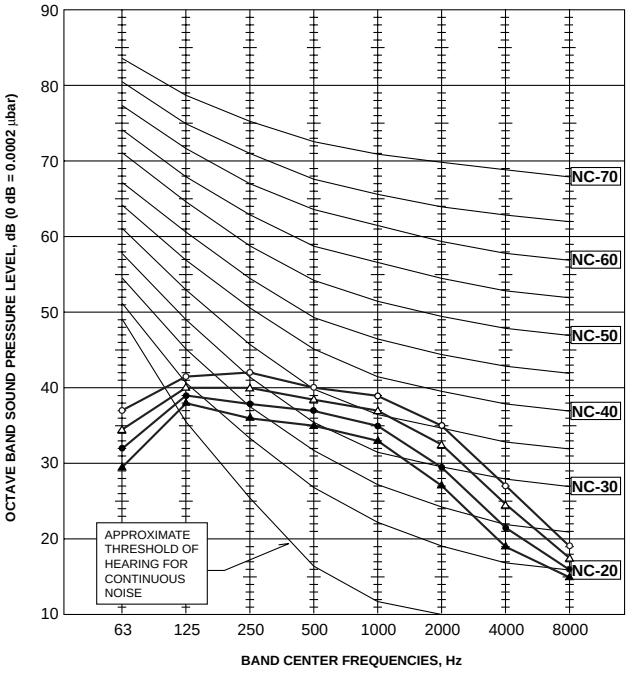
PCA-RP50GA
PCH-P50GAH

NOTCH	SPL(dB)	LINE
High	42	
Medium1	40	
Medium2	38	
Low	37	



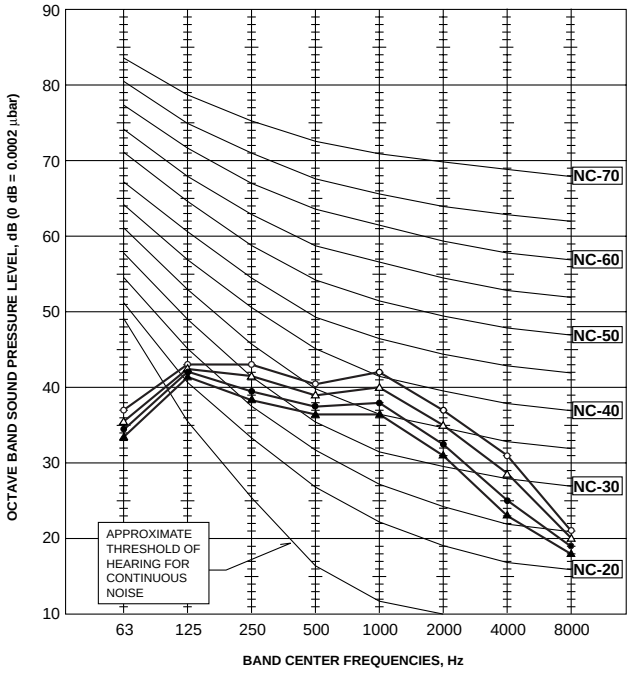
PCA-RP60GA
PCA-RP71GA
PCH-P60GAH
PCH-P71GAH

NOTCH	SPL(dB)	LINE
High	43	
Medium1	41	
Medium2	39	
Low	37	



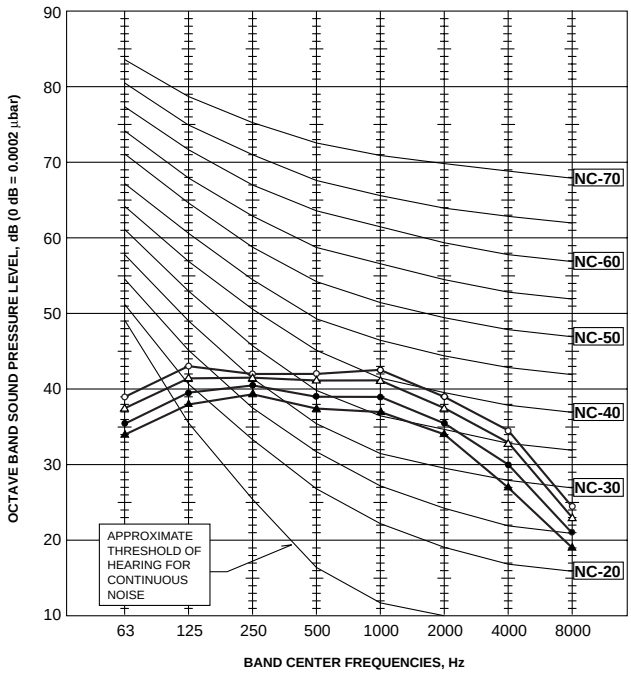
PCA-RP100GA
PCH-P100GAH

NOTCH	SPL(dB)	LINE
High	45	
Medium1	43	
Medium2	41	
Low	40	



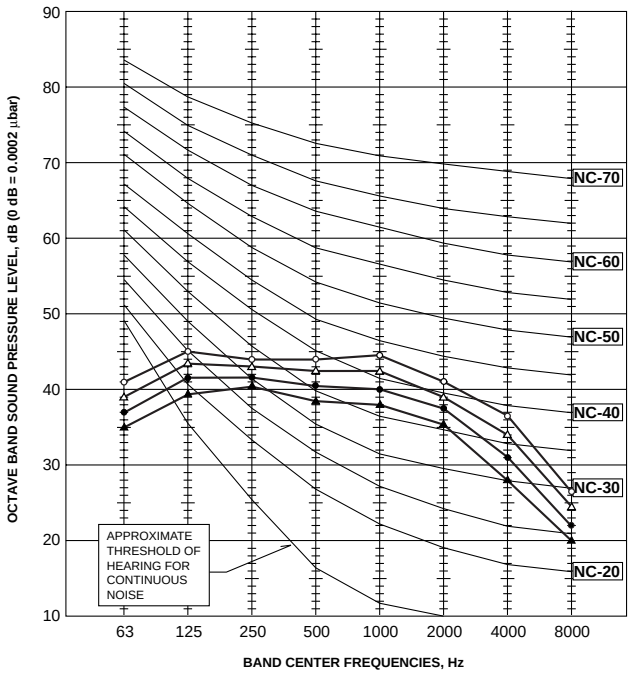
PCA-RP125GA
PCH-P125GAH

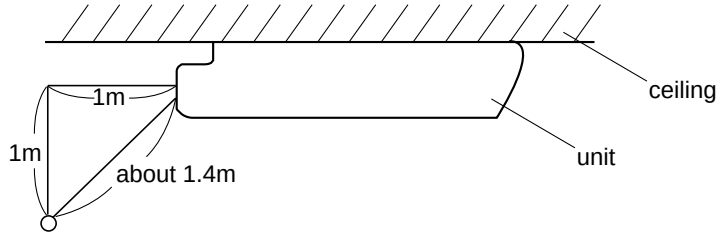
NOTCH	SPL(dB)	LINE
High	46	
Medium1	45	
Medium2	43	
Low	41	



PCA-RP140GA
PCH-P140GAH

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

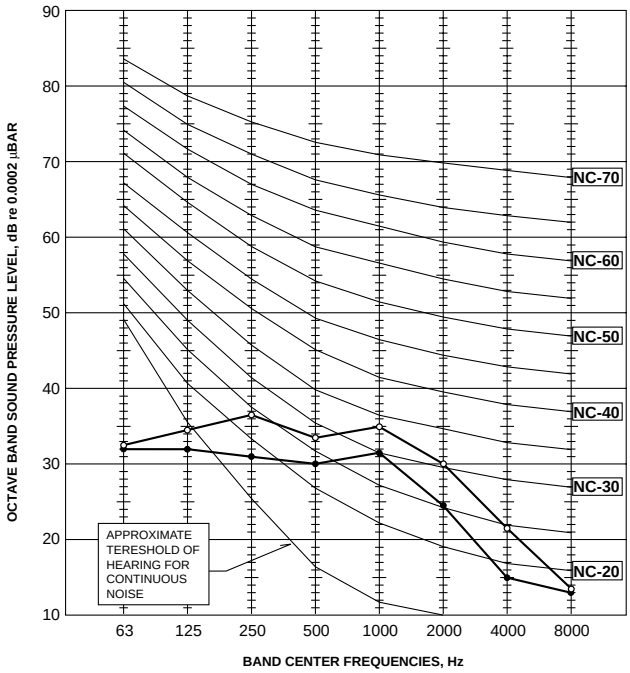




MICROPHONE

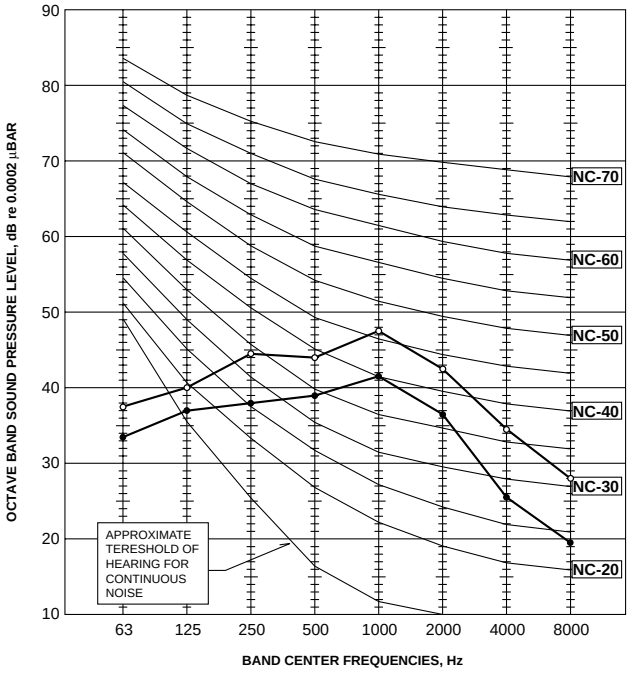
PCA-RP71HA

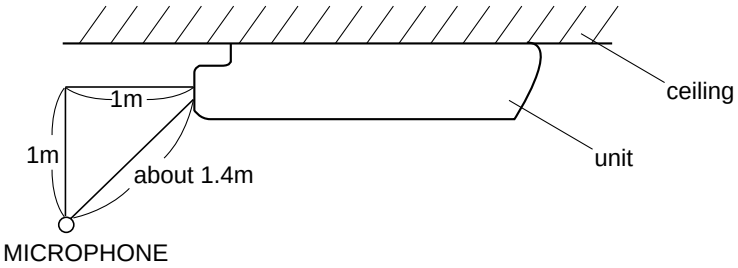
NOTCH	SPL(dB)	LINE
High	38	○——○
Low	34	●——●



PCA-RP125HA

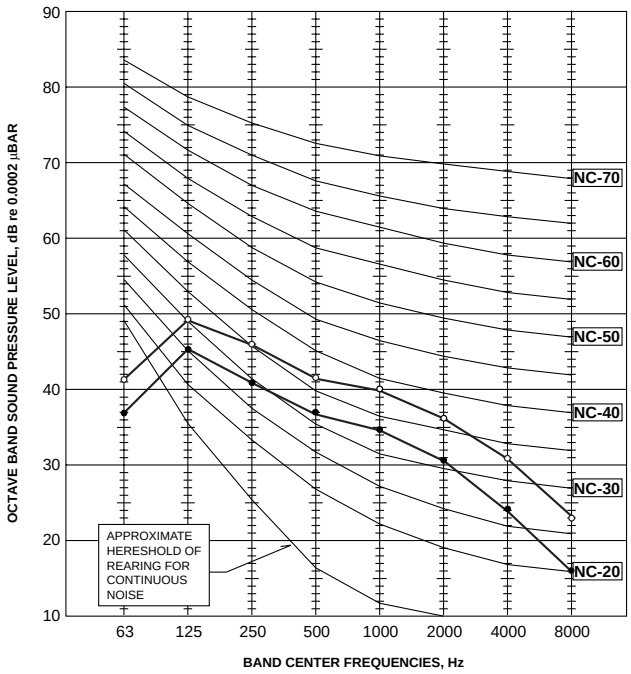
NOTCH	SPL(dB)	LINE
High	50	○——○
Low	44	●——●





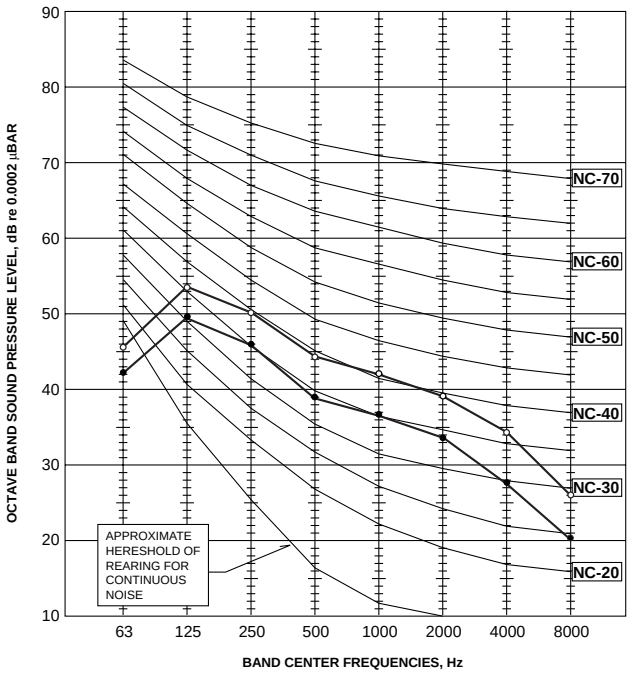
PSA-RP71GA
PSH-P71GAH

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



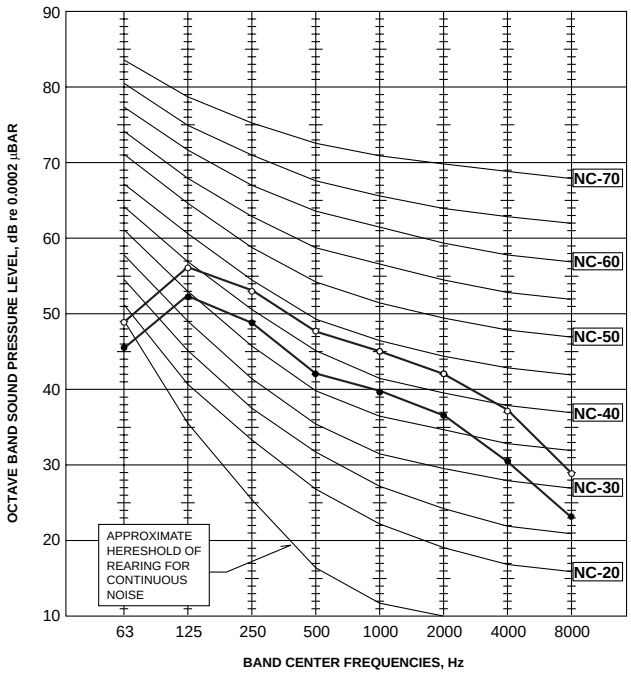
PSA-RP100GA
PSH-P100GAH

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



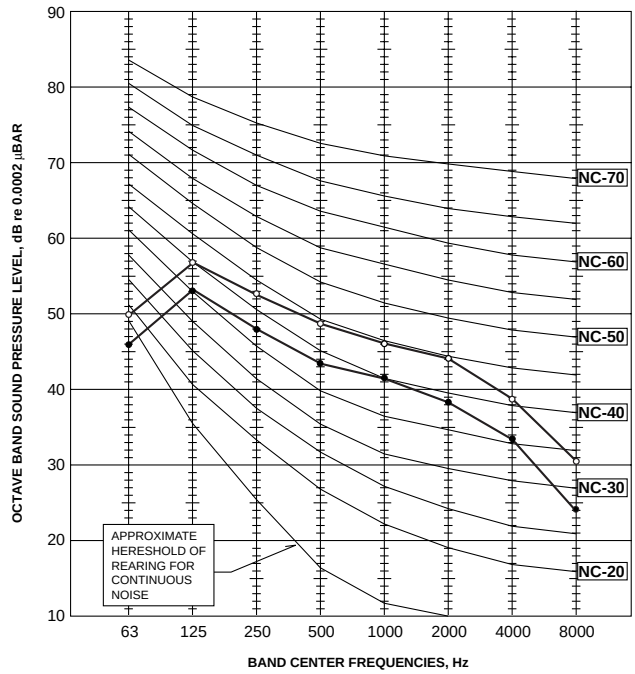
PSA-RP125GA
PSH-P125GAH

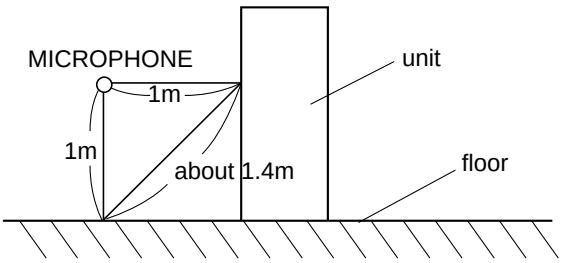
NOTCH	SPL(dB)	LINE
High	51	○—○
Low	46	●—●

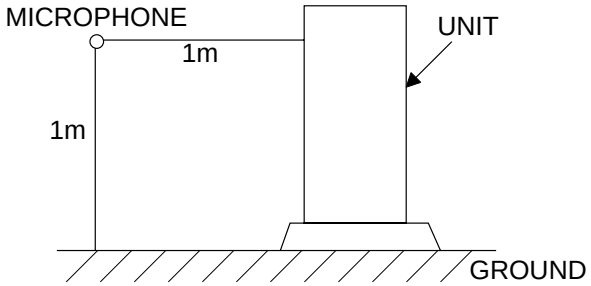


PSA-RP140GA
PSH-P140GAH

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

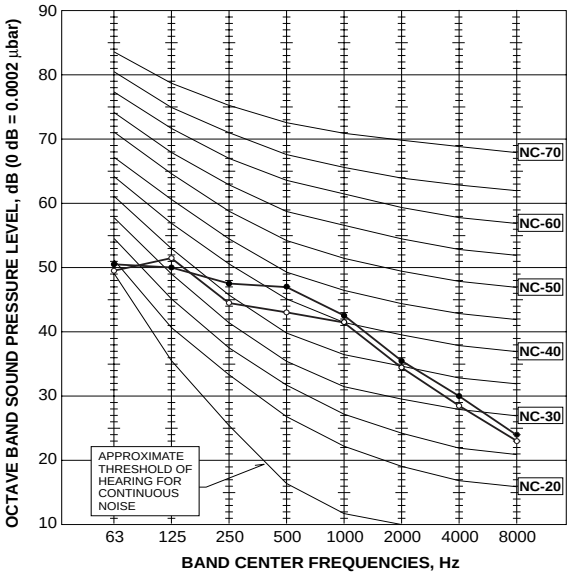






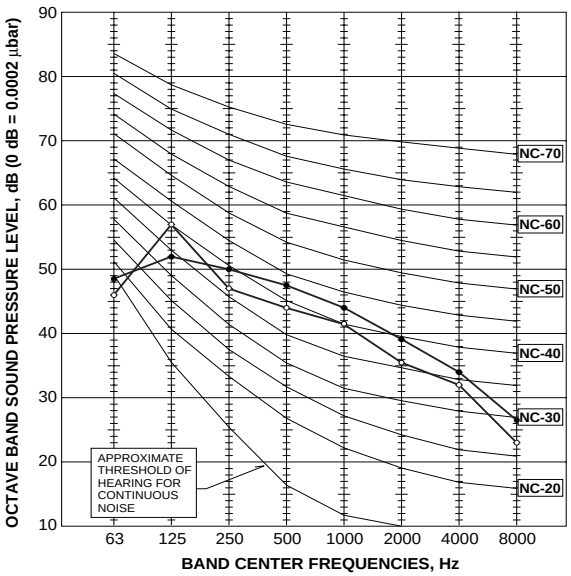
PUH-P25VGAA

MODE	SPL(dB)	LINE
COOLING	46	
HEATING	48	



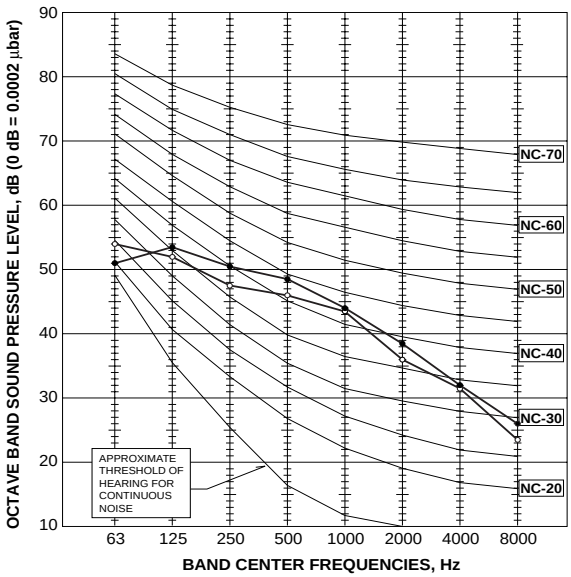
PUH-P35VGAA
PUH-P35YGAA
PU-P35VGAA
PU-P35YGAA

MODE	SPL(dB)	LINE
COOLING	47	
HEATING	49	



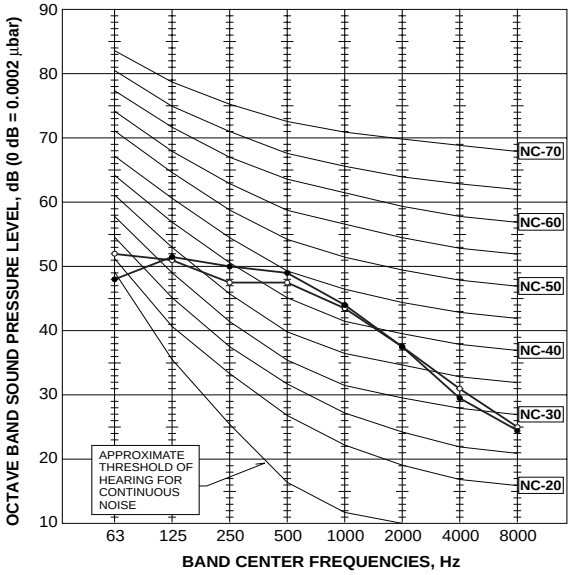
PUH-P50VGAA
PUH-P50YGAA
PU-P50VGAA
PU-P50YGAA

MODE	SPL(dB)	LINE
COOLING	48	
HEATING	49	



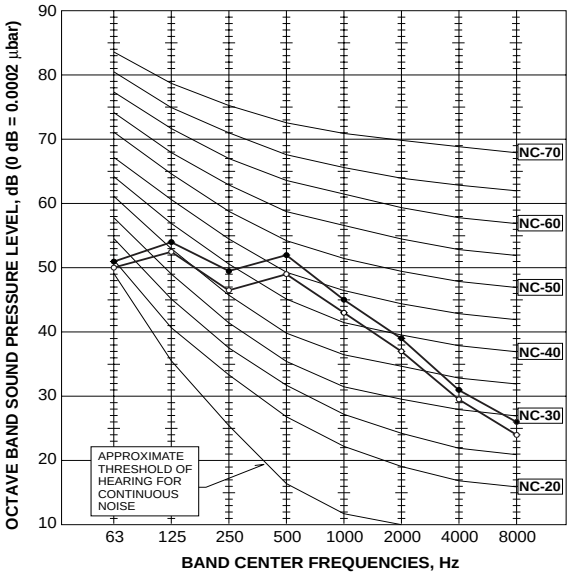
PUH-P60VGAA
PUH-P60YGAA
PU-P60VGAA
PU-P60YGAA

MODE	SPL(dB)	LINE
COOLING	48	
HEATING	50	



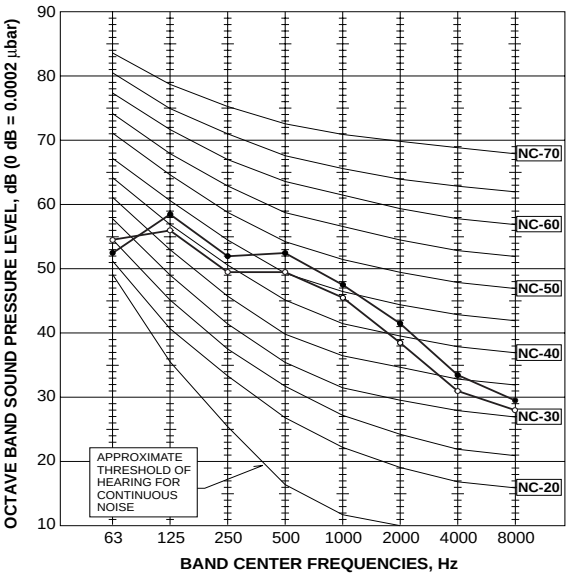
PUH-P71VGAA
PUH-P71YGAA
PU-P71VGAA
PU-P71YGAA

MODE	SPL(dB)	LINE
COOLING	49	
HEATING	51	



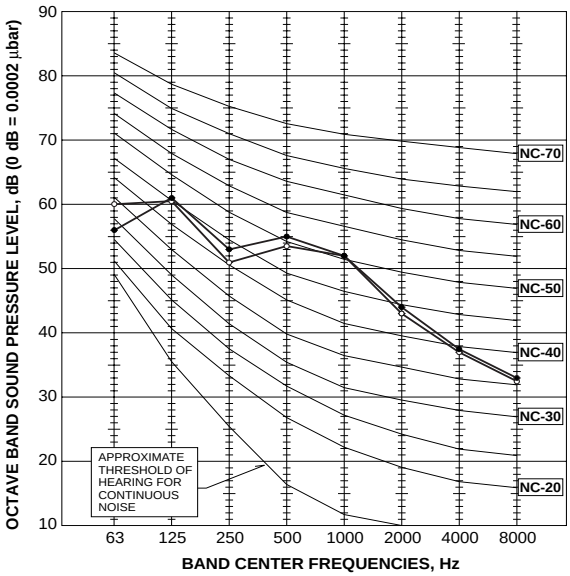
PUH-P100VGAA
PUH-P100YGAA
PU-P100VGAA
PU-P100YGAA

MODE	SPL(dB)	LINE
COOLING	51	
HEATING	53	



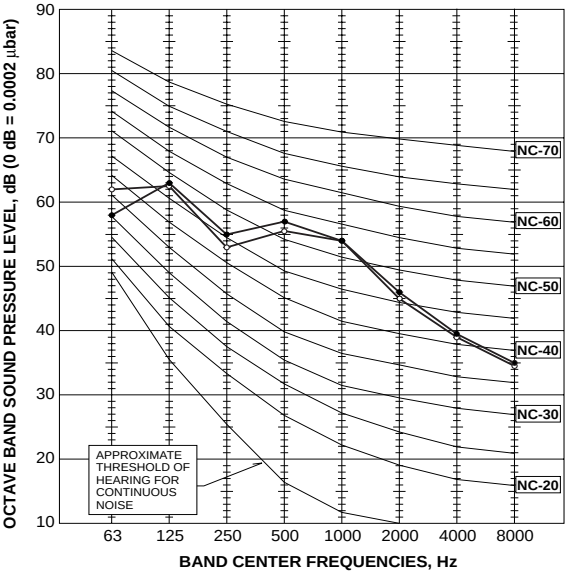
PUH-P125YGAA
PU-P125YGAA

MODE	SPL(dB)	LINE
COOLING	55	
HEATING	56	



PUH-P140YGAA
PU-P140YGAA

MODE	SPL(dB)	LINE
COOLING	57	
HEATING	58	



10 OPTIONAL PARTS

10-1. 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	
Multi-functional casement	PAC-SG03TM-E	PLA-RP·AA PLH-P·AAH
High-efficiency filter element (PAC-SG03TM-E is needed.)	PAC-SG01KF-E	
Grille·Wireless remote controller	PLP-6AALM	
Grille·Wired remote controller	PLP-6AAMD	
Space panel	PAC-SG04AS-E	
Air outlet shutter plate (20 set, 2pcs/set)	PAC-SG06SP-E	
Wireless remote controller·Wireless Adapter	PAR-SL99B-E	PCA-RP·GA, PCH-P·GAH
Drain lift up mechanism	PAC-SH20DM-E	PCA-RP50,60GA
	PAC-SH21DM-E	PCA-RP71GA PCH-P50,60,71GAH
	PAC-SH22DM-E	PCA-RP100,125,140GA PCH-P100,125,140GAH
High-efficiency filter	PAC-SE80KF-E	PCA-RP50GA PCH-P50GAH
	PAC-SE81KF-E	PCA-RP60,71,100GA PCH-P60,71,100GAH
	PAC-SE82KF-E	PCA-RP125,140GA PCH-P125,140GAH
Duct flange for fresh air	PAC-SF28OF-E	PCA-RP·HA
Oil mist filter element (12pieces)	PAC-SG38KF-E	
Decoration cover	PAC-SF81KC-E	PCA-RP71HA
(Front·Suspending bracket cover)	PAC-SF82KC-E	PCA-RP125HA
Wired remote controller	PAR-21MAAT-E	PKA-RP·GAL, PKH-P·GALH
(with terminal bed)		PKA-RP·FAL, PKH-P·FALH
Drain lift up mechanism	PAC-SE90DM-E	PKA-RP·FAL, PKH-P·FALH
L-shape connection pipe	PAC-SC84PI-E	PKA-RP60,71FAL PKH-P60,71FALH
	PAC-SC85PI-E	PKA-RP100FAL PKH-P100FALH
Motor	PAC-SK005MT-F	PEAD-RP71EA, PEHD-P71EAH
(for high external static pressure)	PAC-SK004MT-F	PEAD-RP100EA, PEHD-P100EAH
	PAC-SK003MT-F	PEAD-RP125,140EA PEHD-P125,140EAH
Drain lift up mechanism	PAC-KE03DM-F	PEAD-RP·EA, PEHD-P·EAH
Insulation kit	PAC-SK010DK	PEAD-RP·GA
Wiring kit	PAC-SK020EC	

10-2. 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-SF37DS-E	
Air outlet guide (P100,125,140 needs two piece.)		PAC-SF08SG-E	
Drain pan		PAC-SF16DP-E	PU(H)-P25-100
		PAC-SF17DP-E	PU(H)-P125,140
Distribution pipe	(Twin 50:50)	MSDD-50SR-E	PU(H)-P71,100,125,140
	(Triple 33:33:33)	MSDT-111R-E	PU(H)-P140
	(Triple 25:25:50)	SDT-112SA-E	PU(H)-P140

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