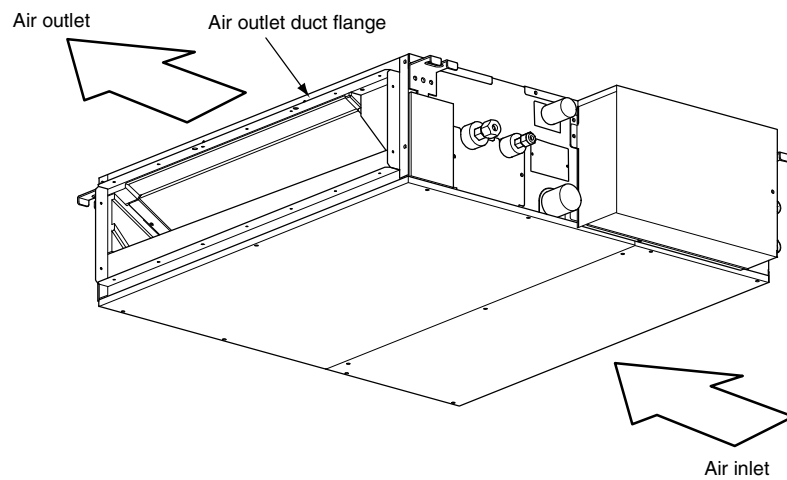


1

PART NAMES AND FUNCTIONS

Indoor Unit
PEA-A12AA4
PEA-A18AA4



2

SPECIFICATIONS

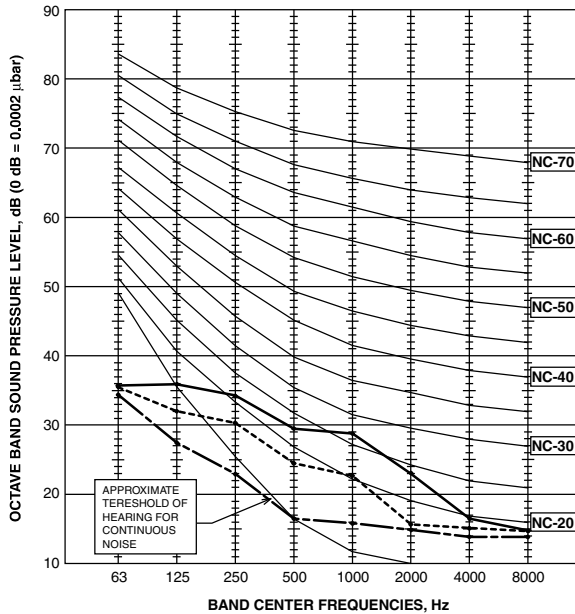
Model Name			PEA-A12AA4		PEA-A18AA4	
Capacity			Cooling	Heating	Cooling	Heating
		BTU/h	12000	-	18000	19000
Power source			208/230V (60Hz)		208/230V (60Hz)	
Power input		kW	0.07	-	0.09	0.07
Current		A	0.57	-	0.74	0.63
Temperature set range Remote controller		°F(°C)	67 to 86 (19 to 30)	-	67 to 86 (19 to 30)	63 to 83 (17 to 28)
Airflow direction			-		-	
Fan	Type x Quantity		Sirocco fan x 2		Sirocco fan x 4	
	External static press	in.WG(Pa)	0.02-0.06-0.14-0.20 (5-15-35-50)		0.02-0.06-0.14-0.20 (5-15-35-50)	
	Motor type		DC brushless motor		DC brushless motor	
	Motor output	kW	0.096		0.096	
	Driving mechanism		Direct-driven		Direct-driven	
	Airflow rate(Low-Mid-High)	m³/min	7.0-9.0-11.0		12.0-15.0-18.0	
	Airflow rate(Low-Mid-High)	CFM	247-317-388		423-529-635	
Airflow rate(Low-Mid-High)		L/S	116-150-183		200-250-300	
External finish			Galvanized		Galvanized	
External dimension H x W x D		mm	200 x 990 x 700		200 x 1190 x 700	
		In.	7-7/8 x 39 x 27-9/16		7-7/8 x 46-7/8 x 27-9/16	
Net weight		kg	22		28	
Wiring	Min.size of wire		in.(mm)		1/8 (1.6)	
	Amperage of wire breaker		A		15	
Refrigerant piping diameter	Liquid R410A	in.(mm)	ø1/4 (ø6.35) Flare		ø1/4 (ø6.35) Flare	
	Gas R410A	in.(mm)	ø1/2 (ø12.7) Flare		ø1/2 (ø12.7) Flare	
Drain piping diameter		in.(mm)	O.D. 1-1/4 (32)		O.D. 1-1/4 (32)	
Sound level (Low-Mid-High) (measured in anechoic room)		dB<A>	23-28-33		30-34-38	
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam		Polystyrene foam, Polyethylene foam, Urethane foam	
Air filter			PP Honeycomb fabric (washable)		PP Honeycomb fabric (washable)	
Refrigerant control device			-		-	
Protection devices			Fuse (250V 6.3A)		Fuse (250V 6.3A)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)		Cross fin (Aluminum fin and copper tube)	
Varistor			ERZV10D471		ERZV10D471	
Terminal block			To outdoor unit : 3P To wired remote controller : 2P		To outdoor unit : 3P To wired remote controller : 2P	
Power outlet		A	10		20	
Standard attachment	Document		Installation Manual, Instruction Book		Installation Manual, Instruction Book	
	Accessory		Drain hose (flexible joint)		Drain hose (flexible joint)	
Remark						
Note			1.Cooling/Heating capacity indicates the maximum value at operation under the following condition. <Cooling> Indoor: 80°F D.B. / 67°F W.B. (26.7°C D.B. / 19.4°C W.B.) Outdoor:95°F D.B. (35°C D.B.) <Heating> Indoor:70°F D.B. (21.1°C D.B.) Outdoor:47°F D.B. / 43°F W.B. (8.3°C D.B. / 6.1°C W.B.) Pipe length: 24-9/16ft (7.5m) Height difference: 0ft (0m) 2.Power consumption. Run current at 0.060[in.WG] (15Pa) (external static pressure) 3.Cooling capacity value at 1:1system Heating capacity value at 1:1system			

SOUND CRITERION CURVES

PEA-A12AA4

External static pressure :
0.020[in.WG](5Pa)

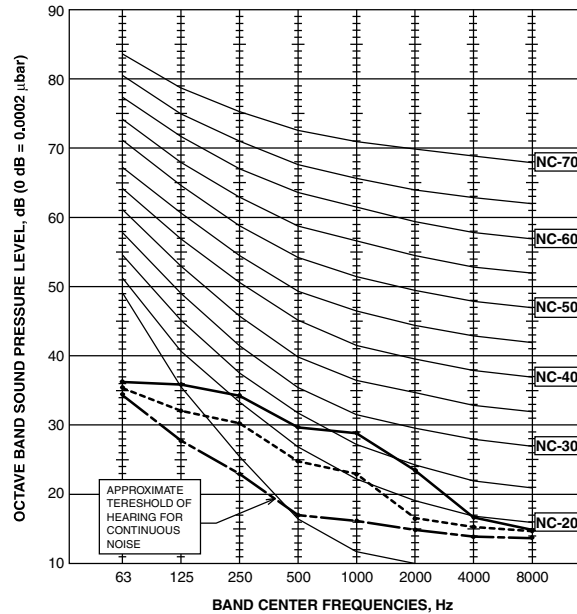
<60Hz>		
NOTCH	SPL(dB)	LINE
High	33	—
Middle	28	----
Low	23	- - -



PEA-A12AA4

External static pressure :
0.060[in.WG](15Pa)

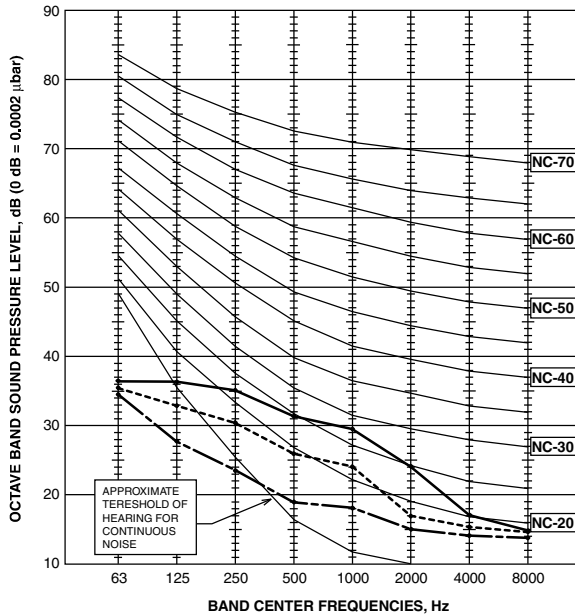
<60Hz>		
NOTCH	SPL(dB)	LINE
High	33	—
Middle	28	----
Low	23	- - -



PEA-A12AA4

External static pressure :
0.140[in.WG](35Pa)

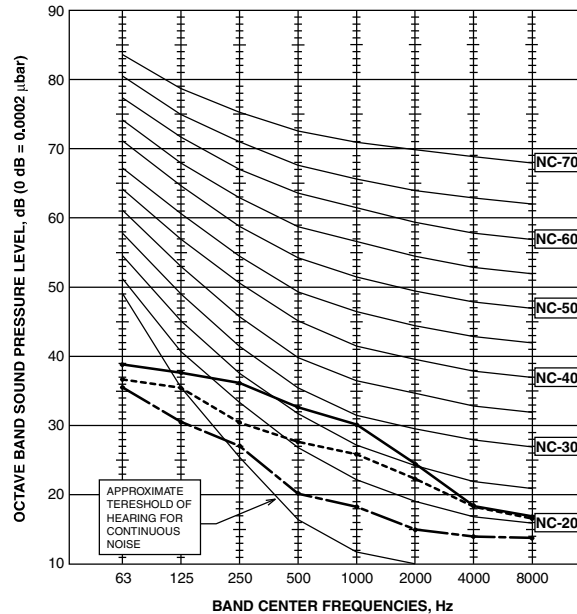
<60Hz>		
NOTCH	SPL(dB)	LINE
High	34	—
Middle	29	----
Low	24	- - -



PEA-A12AA4

External static pressure :
0.200[in.WG](50Pa)

<60Hz>		
NOTCH	SPL(dB)	LINE
High	35	—
Middle	31	----
Low	25	- - -

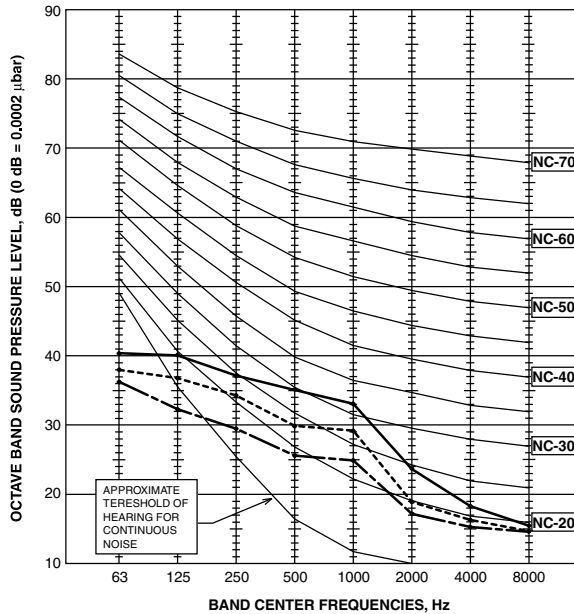


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

PEA-A18AA4

External static pressure :
0.020[in.WG](5Pa)

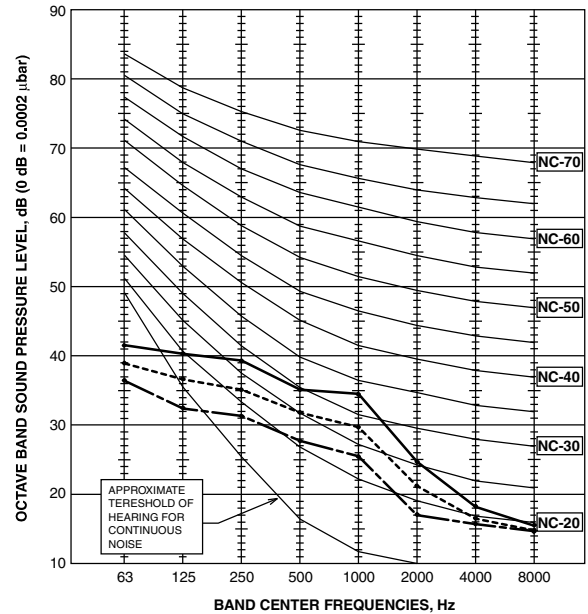
<60Hz>		
NOTCH	SPL(dB)	LINE
High	37	————
Middle	33	-----
Low	29	-----



PEA-A18AA4

External static pressure :
0.060[in.WG](15Pa)

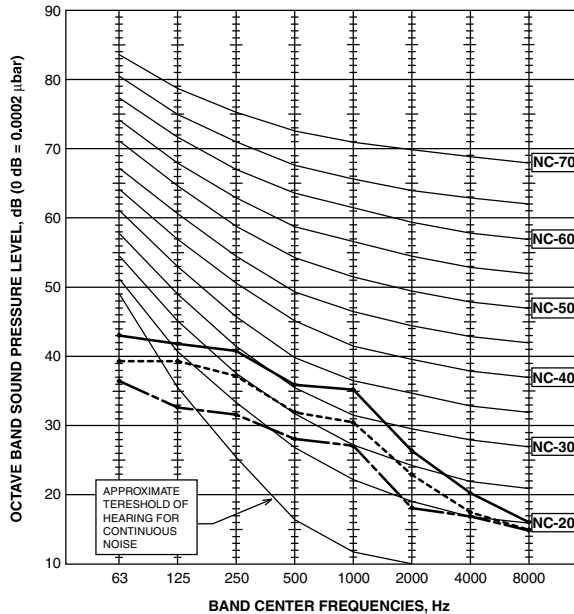
<60Hz>		
NOTCH	SPL(dB)	LINE
High	38	————
Middle	34	-----
Low	30	-----



PEA-A18AA4

External static pressure :
0.140[in.WG](35Pa)

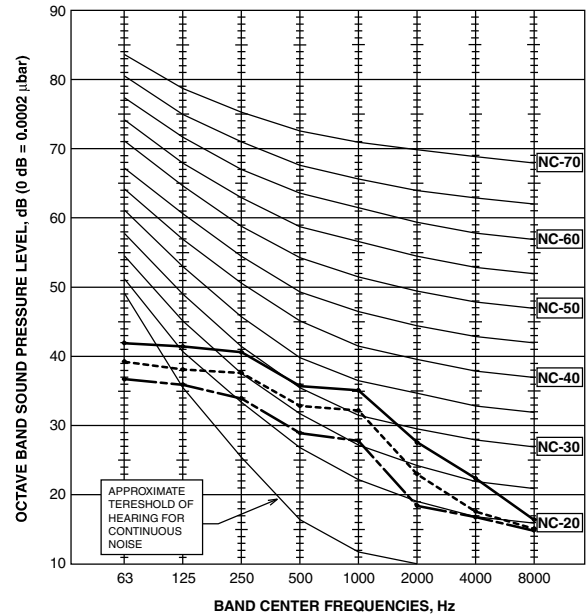
<60Hz>		
NOTCH	SPL(dB)	LINE
High	39	————
Middle	35	-----
Low	31	-----



PEA-A18AA4

External static pressure :
0.200[in.WG](50Pa)

<60Hz>		
NOTCH	SPL(dB)	LINE
High	39	————
Middle	36	-----
Low	32	-----

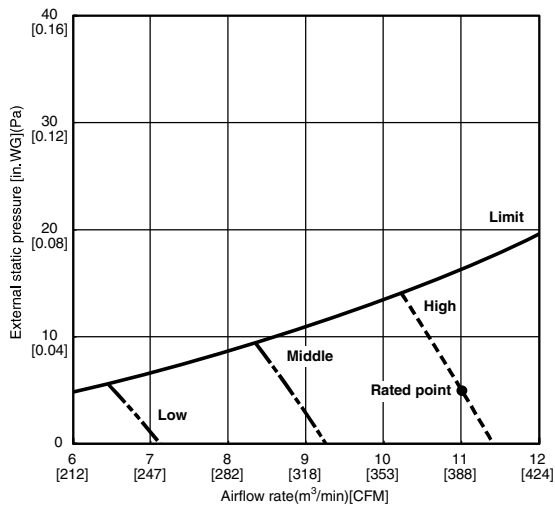


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW

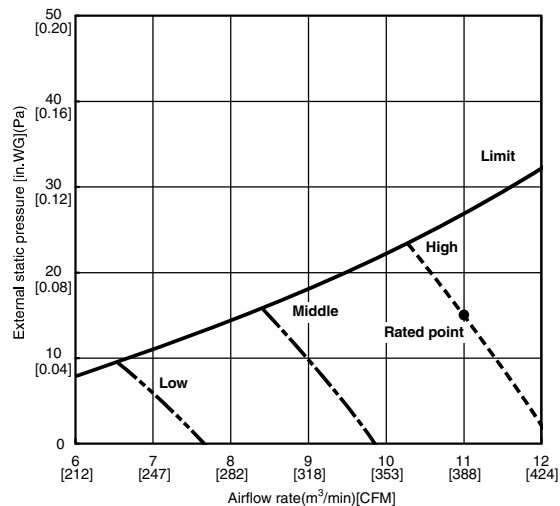
PEA-A12AA4

(External static pressure 0.020[in.WG](5Pa) 208/230V 60Hz



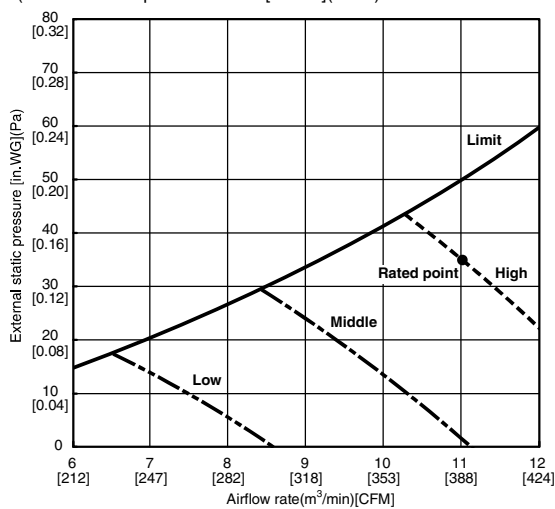
PEA-A12AA4

(External static pressure 0.060[in.WG](15Pa) 208/230V 60Hz



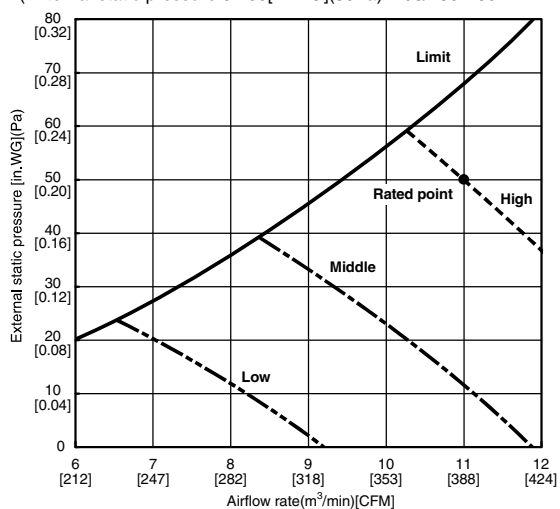
PEA-A12AA4

(External static pressure 0.140[in.WG](35Pa) 208/230V 60Hz



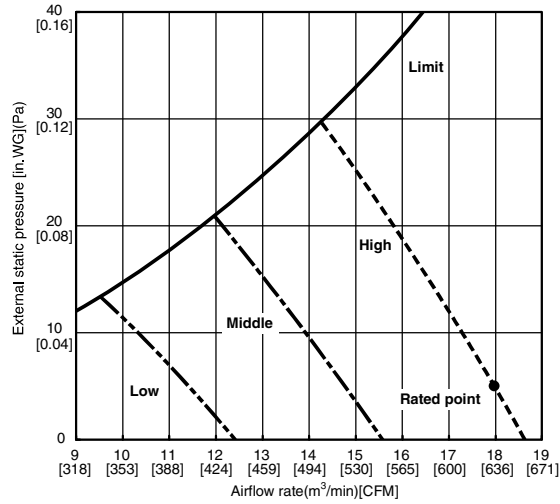
PEA-A12AA4

(External static pressure 0.200[in.WG](50Pa) 208/230V 60Hz



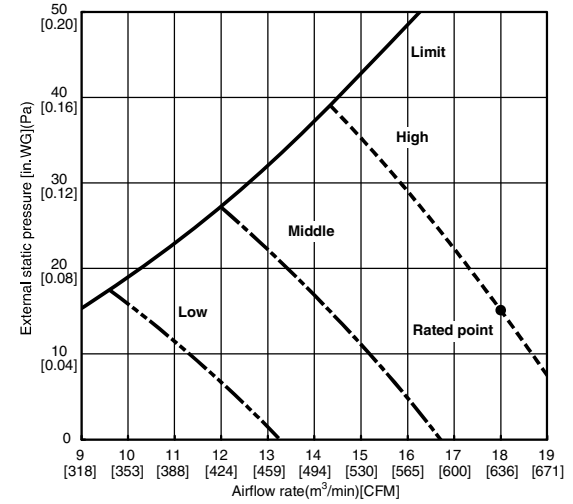
PEA-A18AA4

(External static pressure 0.020[in.WG](5Pa) 208/230V 60Hz



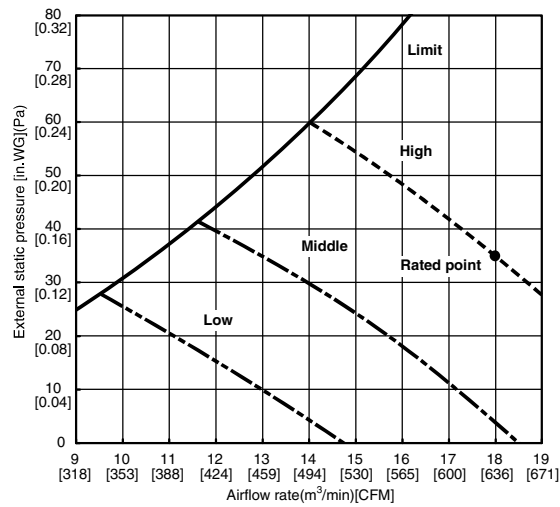
PEA-A18AA4

(External static pressure 0.060[in.WG](15Pa) 208/230V 60Hz



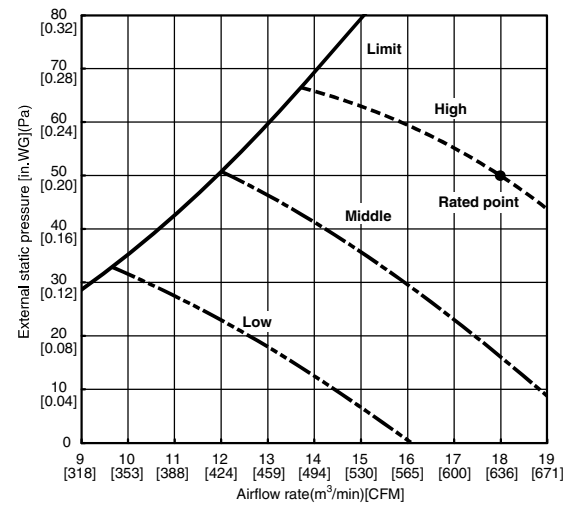
PEA-A18AA4

(External static pressure 0.140[in.WG](35Pa) 208/230V 60Hz



PEA-A18AA4

(External static pressure 0.200[in.WG](50Pa) 208/230V 60Hz

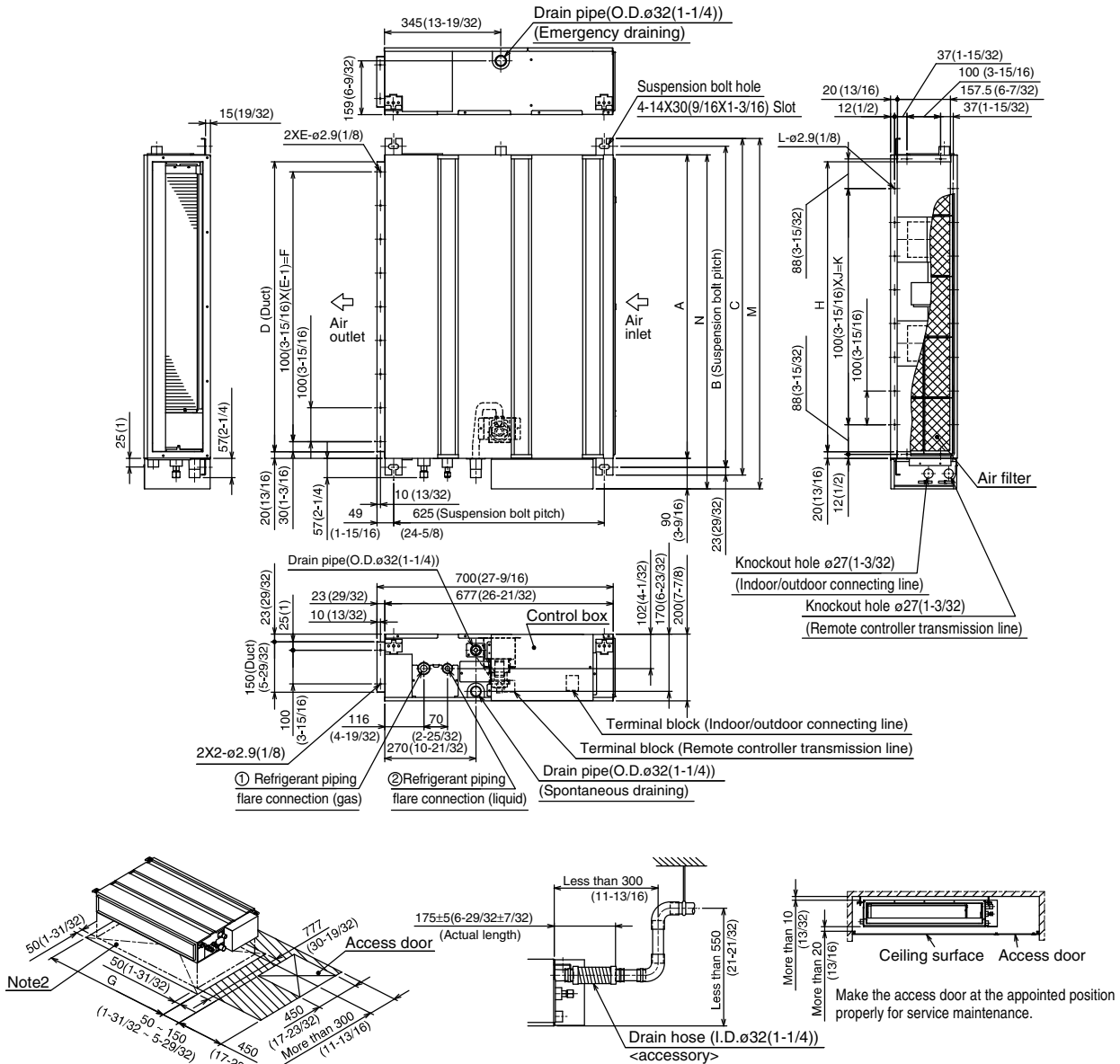


3

OUTLINES AND DIMENSIONS

PEA-A12AA4
PEA-A18AA4

Unit : mm(in.)



Required space for service and maintenance

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	① Gas pipe	② Liquid pipe
PEA-A12AA4	900 (35-7/16)	952 (37-1/2)	998 (39-5/16)	860 (33-7/8)	9 (3/8)	800 (31-1/2)	1000 (39-3/8)	860 (33-7/8)	7 (3/8)	700 (27-9/16)	20 (13/16)	1039 (40-29/32)	990 (39)	$\phi 12.7(1/2)$	$\phi 6.35(1/4)$
PEA-A18AA4	1100 (43-3/8)	1152 (45-3/8)	1198 (47-3/16)	1060 (41-3/4)	11 (7/16)	1000 (39-3/8)	1200 (47-1/4)	1060 (41-3/4)	9 (3/8)	900 (35-7/16)	24 (1 1/2)	1239 (48-25/32)	1190 (46-7/8)	$\phi 12.7(1/2)$	$\phi 6.35(1/4)$

- Note1. Use M10 screw for the suspension bolt (field supply).
 Note2. Keep the service space for the maintenance at the bottom.
 Note3. This chart indicates for PEA-A12AA4 model, which has 2 fans.
 PEA-A18AA4 models have 4 fans.
 Note4. In case an inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.