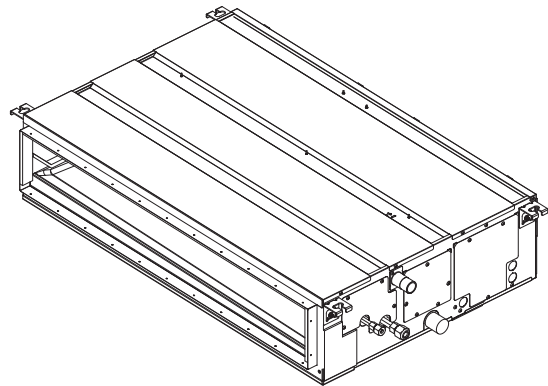


Technical & Service Manual

Series PEAD Ceiling Concealed R454B

[Model Name]	[Service Ref.]
PEAD-AA09NL	PEAD-AA09NL-U1
PEAD-AA12NL	PEAD-AA12NL-U1
PEAD-AA15NL	PEAD-AA15NL-U1
PEAD-AA18NL	PEAD-AA18NL-U1
PEAD-AA24NL	PEAD-AA24NL-U1
PEAD-AA30NL	PEAD-AA30NL-U1
PEAD-AA36NL	PEAD-AA36NL-U1
PEAD-AA42NL	PEAD-AA42NL-U1



INDOOR UNIT

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1. SAFETY PRECAUTION

MEANINGS OF SYMBOLS DISPLAYED ON THE UNIT

	Refrigerant Safety Group A2L	WARNING (Risk of fire)	This unit uses flammable refrigerant. If refrigerant leaks and comes in contact with fire or heating part, it will create harmful gas and there is risk of fire.
	Read the OPERATION MANUAL carefully before operation.		
	Service personnel are required to carefully read the OPERATION MANUAL and INSTALLATION MANUAL before operation.		
	Further information is available in the OPERATION MANUAL, INSTALLATION MANUAL, and the like.		

1-1. ALWAYS OBSERVE FOR SAFETY

Before obtaining access to terminal, all supply circuits must be disconnected.

1-2. CAUTIONS RELATED TO NEW REFRIGERANT

Caution for units utilizing refrigerant R454B

Do not use the existing refrigerant piping.

The old refrigerant and lubricant in the existing piping contains a large amount of chlorine which may cause the lubricant deterioration of the new unit.

Make sure that the inside and outside of refrigerant piping is clean and it has no contaminants such as sulfur, oxides, dirt, shaving particles, etc., which are hazard to refrigerant cycle. In addition, use pipes with specified thickness.

Contamination inside refrigerant piping can cause deterioration of refrigerant oil, etc.

Store the piping indoors, and keep both ends of the piping sealed until just before brazing. (Leave elbow joints, etc. in their packaging.)

If dirt, dust or moisture enters into refrigerant cycle, that can cause deterioration of refrigerant oil or malfunction of compressor.

The refrigerant oil applied to flare and flange connections must be ester oil, ether oil or alkylbenzene oil in a small amount.

If large amount of mineral oil enters, that can cause deterioration of refrigerant oil, etc.

Charge refrigerant from liquid phase of gas cylinder.

If the refrigerant is charged from gas phase, composition change may occur in refrigerant and the efficiency will be lowered.

Ventilate the room if refrigerant leaks during operation. If refrigerant comes into contact with a flame, poisonous gases will be released.

Use a vacuum pump with a reverse flow check valve.

Vacuum pump oil may flow back into refrigerant cycle and that can cause deterioration of refrigerant oil, etc.

Use the following tools specifically designed for use with R454B refrigerant.

The following tools are necessary to use R454B refrigerant.

Tools for R454B	
Gauge manifold	Flare tool
Charge hose	Size adjustment gauge
Gas leak detector	Vacuum pump adaptor
Torque wrench	Electronic refrigerant charging scale

Handle tools with care.

If dirt, dust or moisture enters into refrigerant cycle, that can cause deterioration of refrigerant oil or malfunction of compressor.

Do not use a charging cylinder.

If a charging cylinder is used, the composition of refrigerant will change and the efficiency will be lowered.

Use the specified refrigerant only.

Never use any refrigerant other than that specified.

Doing so may cause a burst, an explosion, or fire when the unit is being used, serviced, or disposed of. Correct refrigerant is specified on name plate of outdoor unit.

If other refrigerant (R22, etc.) is used, chlorine in refrigerant can cause deterioration of refrigerant oil, etc. We will not be held responsible for mechanical failure, system malfunction, unit breakdown or accidents caused by failure to follow the instructions.

<1> Warning for service

- (1) Do not alter the unit.
- (2) For installation and relocation work, follow the instructions in the Installation Manual and use tools and pipe components specifically made for use with refrigerant specified in the outdoor unit installation manual.
- (3) Ask a dealer or an authorized technician to install, relocate and repair the unit.
- (4) This unit should be installed in rooms which exceed the floor space specified in outdoor unit installation manual. Refer to outdoor unit installation manual.
- (5) Install the indoor unit at least 2.5 m above floor or grade level.
- (6) All field joints shall be accessible for inspection prior to being covered or enclosed.
- (7) If the air conditioner is installed in a small room or closed room, measures must be taken to prevent the refrigerant concentration in the room from exceeding the safety limit in the event of refrigerant leakage. Should the refrigerant leak and cause the concentration limit to be exceeded, hazards due to lack of oxygen in the room may result.
- (8) Keep gas-burning appliances, electric heaters, and other fire sources (ignition sources) away from the location where installation, repair, and other air conditioner work will be performed.
If refrigerant comes into contact with a flame, poisonous gases will be released.
- (9) When installing or relocating, or servicing the air conditioner, use only the specified refrigerant written on outdoor unit to charge the refrigerant lines.
Do not mix it with any other refrigerant and do not allow air to remain in the lines.
If air is mixed with the refrigerant, then it can be the cause of abnormal high pressure in the refrigerant line, and may result in an explosion and other hazards.
- (10) After installation has been completed, check for refrigerant leaks. If refrigerant leaks into the room and comes into contact with the flame of a heater or portable cooking range, poisonous gases will be released.
- (11) When a FLAMMABLE REFRIGERANT is used, alloys used indoors to join refrigerant containing connections shall have a melting point (liquidus temperature) greater than 427°C [801°F].
- (12) When performing brazing work, be sure to ventilate the room sufficiently. Make sure that there are no hazardous or flammable materials nearby.
When performing the work in a closed room, small room, or similar location, make sure that there are no refrigerant leaks before performing the work.
If refrigerant leaks and accumulates, it may ignite or poisonous gases may be released.
- (13) Do not install the unit in places where refrigerant may build-up or places with poor ventilation such as a semibasement or a sunken place in outdoor: Refrigerant is heavier than air, and inclined to fall away from the leak source.
- (14) Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- (15) The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- (16) Do not pierce or burn.
- (17) Be aware that refrigerants may not contain an odour.
- (18) Pipe-work shall be protected from physical damage.
- (19) The installation of pipe-work shall be kept to a minimum.
- (20) Compliance with national gas regulations shall be observed.
- (21) Keep any required ventilation openings clear of obstruction.
- (22) Servicing shall be performed only as recommended by the manufacturer.
- (23) The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- (24) Maintenance, service and repair operations shall be performed by authorized technician with required qualification.

<2> Cautions for service

- (1) Perform service after recovering the refrigerant left in unit completely.
- (2) Do not release refrigerant in the air.
- (3) After completing service, charge the cycle with specified amount of refrigerant.
- (4) When performing service, install a filter drier simultaneously.
Be sure to use a filter drier for new refrigerant.

<3> Additional refrigerant charge

When charging directly from cylinder

- Check that cylinder for R454B on the market is syphon type.
- Charging should be performed with the cylinder of syphon stood vertically. (Refrigerant is charged from liquid phase.)

<4> Cautions for unit using R454B refrigerant

Basic work procedures are the same as those for conventional units using refrigerant R410A. However, pay careful attention to the following points.

(1) Information on servicing

(1-1) Checks to the area

Prior to beginning work on systems containing FLAMMABLE REFRIGERANTS, safety checks are necessary to ensure that the risk of ignition is minimized.

For repair to the REFRIGERATING SYSTEM, (1-2) to (1-6) shall be completed prior to conducting work on the system.

(1-2) Work Procedure

Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or vapour being present while the work is being performed.

(1-3) General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.

(1-4) Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres.

Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

(1-5) Presence of fire extinguisher

If any hot work is to be conducted on the refrigerating equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand.

Have a dry powder or CO₂ fire extinguisher adjacent to the charging area.

(1-6) No ignition sources

No person carrying out work in relation to a REFRIGERATING SYSTEM which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion.

All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space.

Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. "No Smoking" signs shall be displayed.

(1-7) Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out.

The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

(1-8) Checks to the refrigerating equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt, consult the manufacturer's technical department for assistance.

The following checks shall be applied to installations using FLAMMABLE REFRIGERANTS:

- the actual REFRIGERANT CHARGE is in accordance with the room size within which the refrigerant containing parts are installed.
- the ventilation machinery and outlets are operating adequately and are not obstructed.
- marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected.
- refrigerating pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

(1-9) Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with.

If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

- that capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking.
- that no live electrical components and wiring are exposed while charging, recovering or purging the system.
- that there is continuity of earth bonding.

(2) Repairs to sealed components

Sealed electrical components shall be replaced.

(3) Repair to intrinsically safe components

Intrinsically safe components must be replaced.

(4) Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects.

The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

(5) Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

The following leak detection methods are deemed acceptable for all refrigerant systems.

Electronic leak detectors may be used to detect refrigerant leaks but, in the case of FLAMMABLE REFRIGERANTS, the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.)

Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used.

Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed, and the appropriate percentage of gas (25% maximum) is confirmed.

Leak detection fluids are also suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.

If a leak is suspected, all naked flames shall be removed/extinguished.

If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Removal of refrigerant shall be according to (6).

(6) Removal and evacuation

When breaking into the refrigerant circuit to make repairs - or for any other purpose -conventional procedures shall be used. However, for flammable refrigerants it is important that best practice be followed, since flammability is a consideration.

The following procedure shall be adhered to:

- safely remove refrigerant following local and national regulations;
 - evacuate
 - purge the circuit with inert gas
 - evacuate
 - continuously flush or purge with inert gas when using flame to open circuit
 - open the circuit

The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes.

For appliances containing flammable refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe for flammable refrigerants. This process might need to be repeated several times.

Compressed air or oxygen shall not be used for purging refrigerant systems.

For appliances containing flammable refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum.

This process shall be repeated until no refrigerant is within the system. When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place.

The outlet for the vacuum pump shall not be close to any potential ignition sources, and ventilation shall be available.

(7) Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed.

- Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimize the amount of REFRIGERANT contained in them.
- Cylinders shall be kept in an appropriate position according to the instructions.
- Ensure that the REFRIGERATING SYSTEM is earthed prior to charging the system with refrigerant.
- Label the system when charging is complete (if not already).
- Extreme care shall be taken not to overfill the REFRIGERATING SYSTEM.

Prior to recharging the system, it shall be pressure-tested with the appropriate purging gas. The system shall be leak-tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

(8) Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely.

Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of recovered refrigerant. It is essential that electrical power is available before the task is commenced.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure, ensure that:

- mechanical handling equipment is available, if required, for handling refrigerant cylinders.
- all personal protective equipment is available and being used correctly.
- the recovery process is supervised at all times by a competent person.
- recovery equipment and cylinders conform to the appropriate standards.

d) Pump down refrigerant system, if possible.

e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

f) Make sure that cylinder is situated on the scales before recovery takes place.

g) Start the recovery machine and operate in accordance with instructions.

h) Do not overfill cylinders. (no more than 80 % volume liquid charge)

i) Do not exceed the maximum working pressure of the cylinder, even temporarily.

j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.

k) Recovered refrigerant shall not be charged into another REFRIGERATING SYSTEM unless it has been cleaned and checked.

(9) Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant.

The label shall be dated and signed. For appliances containing FLAMMABLE REFRIGERANTS, ensure that there are labels on the equipment stating the equipment contains FLAMMABLE REFRIGERANT.

(10) Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge is available.

All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure-relief valve and associated shut-off valves in good working order.

Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of the flammable refrigerant.

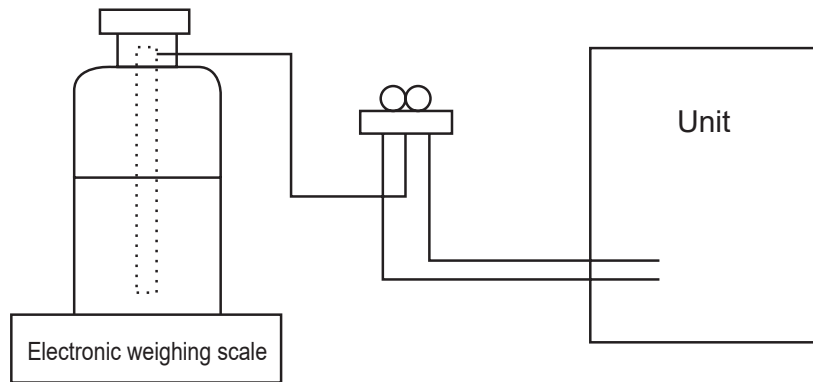
If in doubt, the manufacturer should be consulted. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition.

The recovered refrigerant shall be processed according to local legislation in the correct recovery cylinder, and the relevant waste transfer note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.

If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant.

The compressor body shall not be heated by an open flame or other ignition sources to accelerate this process.

When oil is drained from a system, it shall be carried out safely.



<5> Service tools

Use the below service tools as exclusive tools for R410A refrigerant.

No.	Tool name	Specifications
①	Gauge manifold	· Only for R454B · Use the existing fitting specifications. (UNF1/2) · Use high-tension side pressure of 768.7 PSIG [5.3 MPa.G] or over.
②	Charge hose	· Only for R454B · Use pressure performance of 738.2 PSIG [5.09 MPa.G] or over.
③	Electronic weighing scale	—
④	Gas leak detector	· Use the detector for R454B.
⑤	Adaptor for reverse flow check	· Attach on vacuum pump.
⑥	Refrigerant charge base	—
⑦	Refrigerant cylinder	· Only for R454B · Cylinder with syphon
⑧	Refrigerant recovery equipment	—

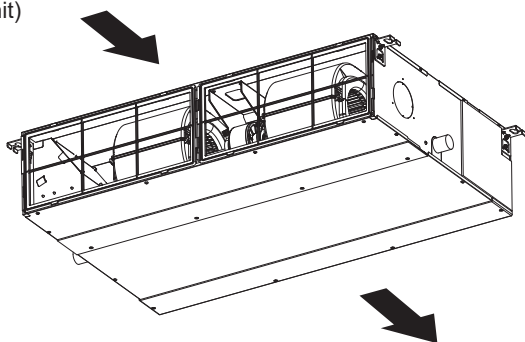
1-3. CAUTIONS RERATED TO HEATER

- Exercise caution when using any auxiliary heat source and follow all third party manufacturer instructions and safety guidelines for installation and usage.
- Any auxiliary heat source connected to this unit via the CN24 connection must have an independent temperature control mechanism. Failure to install and maintain such temperature control mechanism may void the warranty for this unit.
- Mitsubishi Electric shall not bear any warranty obligation or other liability for any damage or loss in connection with such third party auxiliary heaters.

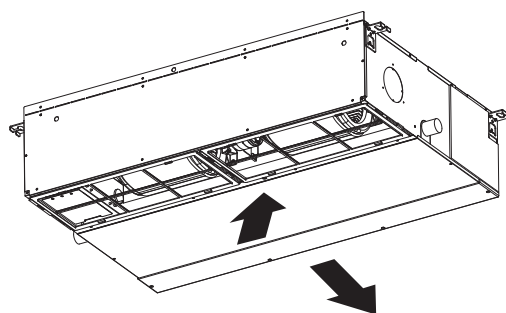
2. PART NAMES AND FUNCTIONS

• Indoor Unit

Air intake (sucks the air inside the room into the unit)



In case of rear inlet



In case of bottom inlet

3. SPECIFICATION

INDOOR UNIT

Service Ref.			PEAD-AA09NL-U1
Power supply (phase, cycle, voltage)			1 phase, 60Hz, 208/230V
	Max. Fuse Size	A	15
	Min. Circuit Ampacity	A	2.13
External finish			Galvanized sheets
Heat exchanger			Plate fin coil
Fan	Fan (drive) × No.		Sirocco fan × 2
	Fan motor output	kW	0.121
	Fan motor	F.L.A	1.70
	Airflow (Low Mid2 Mid1 High)	m³/min (CFM)	7.5-8.0-9.0-10.0 (265-283-318-353)
	External static pressure	Pa (in.WG)	35-50-70-100-150 (0.14-0.20-0.28-0.40-0.60)
Operation control & Thermostat			Remote controller & built-in
Sound pressure level (Low Mid2 Mid1 High)	35Pa (0.14 in.WG)	dB (A)	23-24-26-28
	50Pa (0.20 in.WG)		25-26-28-31
	70Pa (0.28 in.WG)		26-27-30-33
	100Pa (0.40 in.WG)		28-29-32-35
	150Pa (0.60 in.WG)		32-33-36-39
Field drain pipe O.D		mm (in.)	32 (1-1/4)
Dimensions	W	mm (in.)	900 (35-7/16)
	D	mm (in.)	732 (28-7/8)
	H	mm (in.)	250 (9-7/8)
Weight		kg (lbs)	26 (58)

INDOOR UNIT	Service Ref.		PEAD-AA12NL-U1	
	Power supply (phase, cycle, voltage)		1 phase, 60Hz, 208/230V	
	Max. Fuse Size	A	15	
	Min. Circuit Ampacity	A	2.50	
	External finish		Galvanized sheets	
	Heat exchanger		Plate fin coil	
	Fan	Fan (drive) × No.		Sirocco fan × 2
		Fan motor output	kW	0.121
		Fan motor	F.L.A	2.00
		Airflow (Low Mid2 Mid1 High)	m ³ /min (CFM)	10.0-11.0-12.0-14.0 (353-388-424-494)
		External static pressure	Pa (in.WG)	35-50-70-100-150 (0.14-0.20-0.28-0.40-0.60)
	Operation control & Thermostat		Remote controller & built-in	
	Sound pressure level (Low Mid2 Mid1 High)	35Pa (0.14 in.WG)	dB (A)	25-27-29-33
		50Pa (0.20 in.WG)		27-29-31-34
		70Pa (0.28 in.WG)		28-30-32-36
		100Pa (0.40 in.WG)		31-33-35-39
		150Pa (0.60 in.WG)		33-36-38-42
Field drain pipe O.D		mm (in.)	32 (1-1/4)	
Dimensions	W	mm (in.)	900 (35-7/16)	
	D	mm (in.)	732 (28-7/8)	
	H	mm (in.)	250 (9-7/8)	
Weight		kg (lbs)	26 (58)	

INDOOR UNIT	Service Ref.		PEAD-AA15NL-U1	
	Power supply (phase, cycle, voltage)		1 phase, 60Hz, 208/230V	
		Max. Fuse Size	A	15
		Min. Circuit Ampacity	A	2.25
	External finish		Galvanized sheets	
	Heat exchanger		Plate fin coil	
	Fan	Fan (drive) × No.		Sirocco fan × 2
		Fan motor output	kW	0.121
		Fan motor	F.L.A	1.80
		Airflow (Low Mid2 Mid1 High)	m ³ /min (CFM)	11.4-12.0-14.5-17.0 (403-424-512-600)
		External static pressure	Pa (in.WG)	35-50-70-100-150 (0.14-0.20-0.28-0.40-0.60)
	Operation control & Thermostat		Remote controller & built-in	
	Sound pressure level (Low Mid2 Mid1 High)	35Pa (0.14 in.WG)	dB (A)	27-28-33-36
		50Pa (0.20 in.WG)		28-29-34-37
		70Pa (0.28 in.WG)		30-32-35-39
		100Pa (0.40 in.WG)		32-33-37-41
		150Pa (0.60 in.WG)		34-35-40-44
	Field drain pipe O.D		mm (in.)	32 (1-1/4)
	Dimensions	W	mm (in.)	900 (35-7/16)
		D	mm (in.)	732 (28-7/8)
		H	mm (in.)	250 (9-7/8)
	Weight		kg (lbs)	27 (60)

INDOOR UNIT	Service Ref.		PEAD-AA18NL-U1	
	Power supply (phase, cycle, voltage)		1 phase, 60Hz, 208/230V	
		Max. Fuse Size	A	15
		Min. Circuit Ampacity	A	2.25
	External finish		Galvanized sheets	
	Heat exchanger		Plate fin coil	
	Fan	Fan (drive) × No.		Sirocco fan × 2
		Fan motor output	kW	0.121
		Fan motor	F.L.A	1.80
		Airflow (Low Mid2 Mid1 High)	m ³ /min (CFM)	11.4-12.0-14.5-17.0 (403-424-512-600)
		External static pressure	Pa (in.WG)	35-50-70-100-150 (0.14-0.20-0.28-0.40-0.60)
	Operation control & Thermostat		Remote controller & built-in	
	Sound pressure level (Low Mid2 Mid1 High)	35Pa (0.14 in.WG)	dB (A)	27-28-33-36
		50Pa (0.20 in.WG)		28-29-34-37
		70Pa (0.28 in.WG)		30-32-35-39
		100Pa (0.40 in.WG)		32-33-37-41
		150Pa (0.60 in.WG)		34-35-40-44
	Field drain pipe O.D		mm (in.)	32 (1-1/4)
	Dimensions	W	mm (in.)	900 (35-7/16)
		D	mm (in.)	732 (28-7/8)
		H	mm (in.)	250 (9-7/8)
	Weight		kg (lbs)	27 (60)

INDOOR UNIT	Service Ref.		PEAD-AA24NL-U1	
	Power supply (phase, cycle, voltage)		1 phase, 60Hz, 208/230V	
	Max. Fuse Size	A	15	
	Min. Circuit Ampacity	A	2.25	
	External finish		Galvanized sheets	
	Heat exchanger		Plate fin coil	
	Fan	Fan (drive) × No.		Sirocco fan × 2
		Fan motor output	kW	0.121
		Fan motor	F.L.A	1.80
		Airflow (Low Mid2 Mid1 High)	m³/min (CFM)	14.5-16.0-18.0-21.0 (512-565-636-742)
		External static pressure	Pa (in.WG)	35-50-70-100-150 (0.14-0.20-0.28-0.40-0.60)
	Operation control & Thermostat		Remote controller & built-in	
	Sound pressure level (Low Mid2 Mid1 High)	35Pa (0.14 in.WG)	dB (A)	26-28-30-34
		50Pa (0.20 in.WG)		27-29-31-35
		70Pa (0.28 in.WG)		28-30-33-37
		100Pa (0.40 in.WG)		30-32-35-39
		150Pa (0.60 in.WG)		33-35-38-42
Field drain pipe O.D		mm (in.)	32 (1-1/4)	
Dimensions	W	mm (in.)	1100 (43-5/16)	
	D	mm (in.)	732 (28-7/8)	
	H	mm (in.)	250 (9-7/8)	
Weight		kg (lbs)	30 (67)	

INDOOR UNIT	Service Ref.		PEAD-AA30NL-U1	
	Power supply (phase, cycle, voltage)		1 phase, 60Hz, 208/230V	
	Max. Fuse Size	A	15	
	Min. Circuit Ampacity	A	2.25	
	External finish		Galvanized sheets	
	Heat exchanger		Plate fin coil	
	Fan	Fan (drive) × No.		Sirocco fan × 2
		Fan motor output	kW	0.121
		Fan motor	F.L.A	1.80
		Airflow (Low Mid2 Mid1 High)	m³/min (CFM)	17.5-19.0-21.0-25.0 (618-671-742-883)
		External static pressure	Pa (in.WG)	35-50-70-100-150 (0.14-0.20-0.28-0.40-0.60)
	Operation control & Thermostat		Remote controller & built-in	
	Sound pressure level (Low Mid2 Mid1 High)	35Pa (0.14 in.WG)	dB (A)	29-31-33-37
		50Pa (0.20 in.WG)		30-32-34-38
		70Pa (0.28 in.WG)		31-33-35-39
		100Pa (0.40 in.WG)		33-35-37-41
		150Pa (0.60 in.WG)		35-37-39-43
	Field drain pipe O.D		mm (in.)	32 (1-1/4)
	Dimensions	W	mm (in.)	1100 (43-5/16)
		D	mm (in.)	732 (28-7/8)
		H	mm (in.)	250 (9-7/8)
	Weight		kg (lbs)	30 (67)

INDOOR UNIT

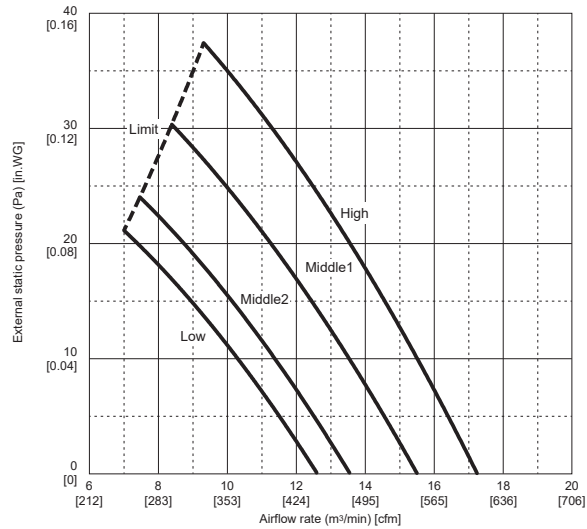
Service Ref.			PEAD-AA36NL-U1	
Power supply (phase, cycle, voltage)		1 phase, 60Hz, 208/230V		
		Max. Fuse Size	A	15
		Min. Circuit Ampacity	A	3.50
External finish			Galvanized sheets	
Heat exchanger			Plate fin coil	
Fan	Fan (drive) × No.		Sirocco fan × 3	
	Fan motor output	kW	0.300	
	Fan motor	F.L.A	2.80	
	Airflow (Low Mid2 Mid1 High)	m ³ /min (CFM)	24.0-26.5-29.0-34.0 (848-936-1024-1201)	
	External static pressure	Pa (in.WG)	35-50-70-100-150 (0.14-0.20-0.28-0.40-0.60)	
Operation control & Thermostat			Remote controller & built-in	
Sound pressure level (Low Mid2 Mid1 High)	35Pa (0.14 in.WG)	dB (A)	33-35-37-41	
	50Pa (0.20 in.WG)		34-36-38-42	
	70Pa (0.28 in.WG)		35-37-39-43	
	100Pa (0.40 in.WG)		37-39-41-44	
	150Pa (0.60 in.WG)		39-41-43-47	
Field drain pipe O.D		mm (in.)	32 (1-1/4)	
Dimensions	W	mm (in.)	1400 (55-1/8)	
	D	mm (in.)	732 (28-7/8)	
	H	mm (in.)	250 (9-7/8)	
Weight		kg (lbs)	37 (82)	

INDOOR UNIT	Service Ref.		PEAD-AA42NL-U1	
	Power supply (phase, cycle, voltage)		1 phase, 60Hz, 208/230V	
	Max. Fuse Size	A	15	
	Min. Circuit Ampacity	A	4.25	
	External finish		Galvanized sheets	
	Heat exchanger		Plate fin coil	
	Fan	Fan (drive) × No.		Sirocco fan × 3
		Fan motor output	kW	0.300
		Fan motor	F.L.A	3.40
		Airflow (Low Mid2 Mid1 High)	m ³ /min (CFM)	29.5-32.5-35.5-42.0 (1042-1148-1254-1483)
		External static pressure	Pa (in.WG)	35-50-70-100-150 (0.14-0.20-0.28-0.40-0.60)
	Operation control & Thermostat		Remote controller & built-in	
	Sound pressure level (Low Mid2 Mid1 High)	35Pa (0.14 in.WG)	dB (A)	37-39-41-45
		50Pa (0.20 in.WG)		37-39-41-45
		70Pa (0.28 in.WG)		38-41-42-47
		100Pa (0.40 in.WG)		40-42-44-48
		150Pa (0.60 in.WG)		42-44-46-50
	Field drain pipe O.D		mm (in.)	32 (1-1/4)
	Dimensions	W	mm (in.)	1400 (55-1/8)
		D	mm (in.)	732 (28-7/8)
		H	mm (in.)	250 (9-7/8)
	Weight		kg (lbs)	39 (86)

4. FAN PERFORMANCE AND CORRECTED AIR FLOW

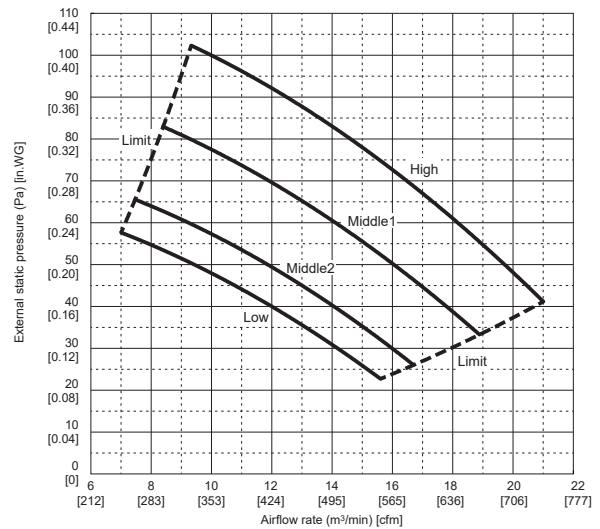
PEAD-AA09NL

(External static pressure 35Pa) 208-230V 60Hz



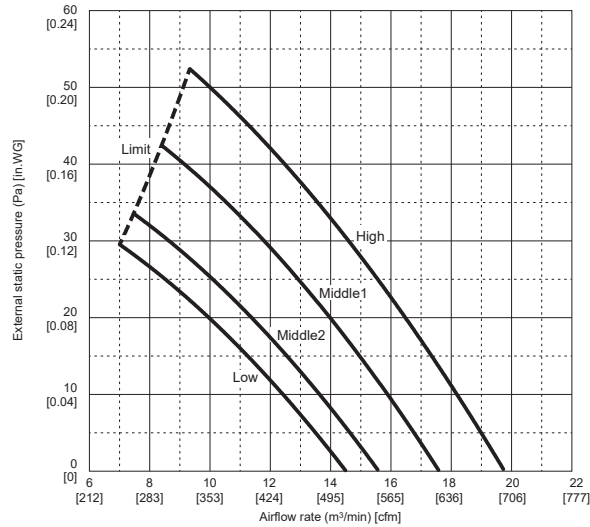
PEAD-AA09NL

(External static pressure 100Pa) 208-230V 60Hz



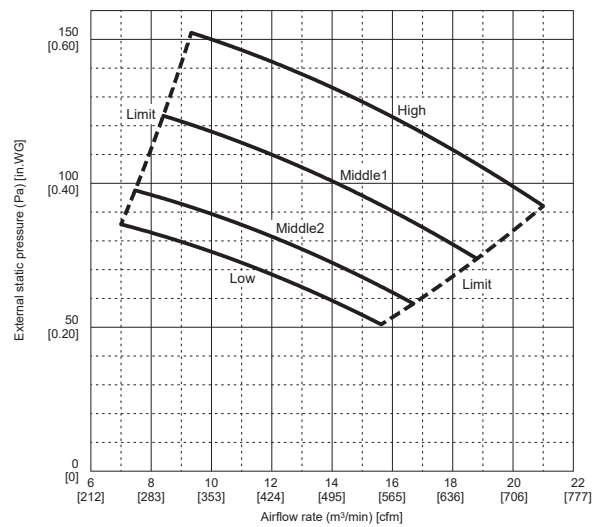
PEAD-AA09NL

(External static pressure 50Pa) 208-230V 60Hz



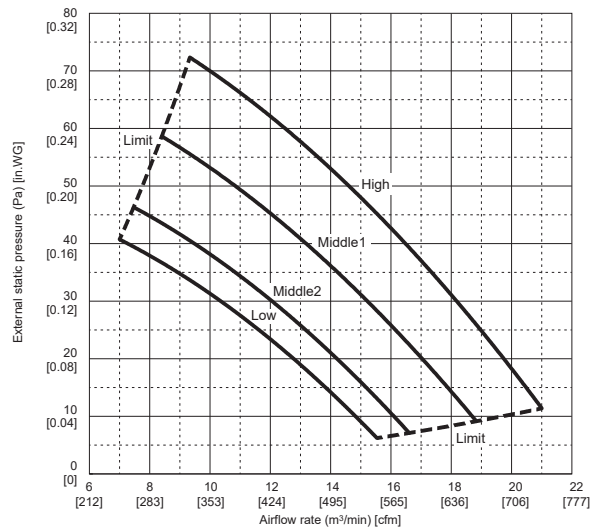
PEAD-AA09NL

(External static pressure 150Pa) 208-230V 60Hz



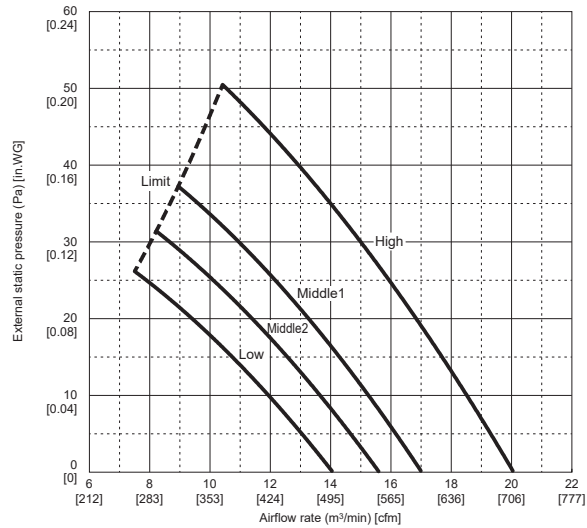
PEAD-AA09NL

(External static pressure 70Pa) 208-230V 60Hz

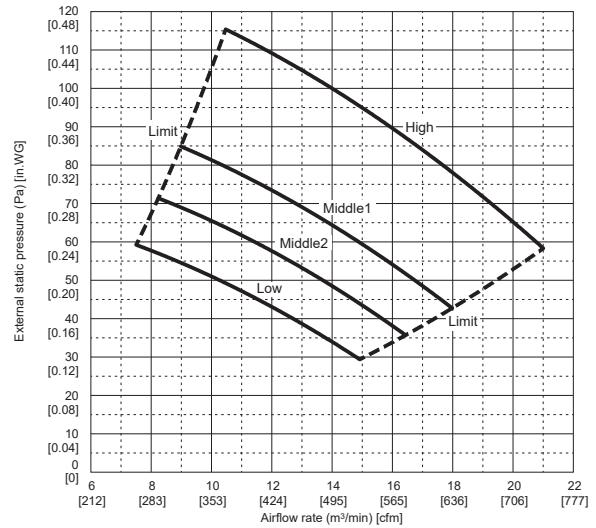


PEAD-AA12NL

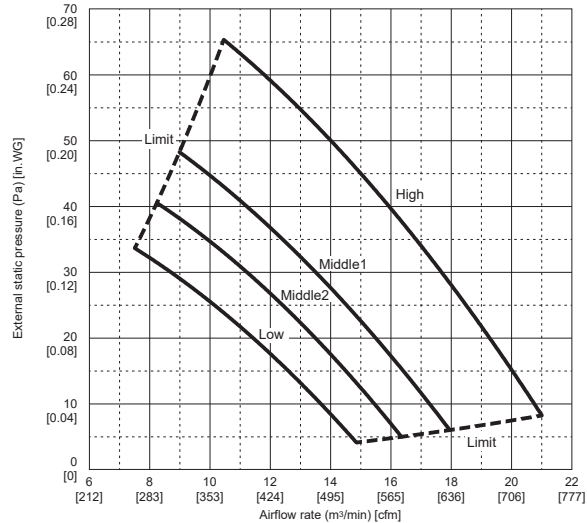
(External static pressure 35Pa) 208-230V 60Hz

**PEAD-AA12NL**

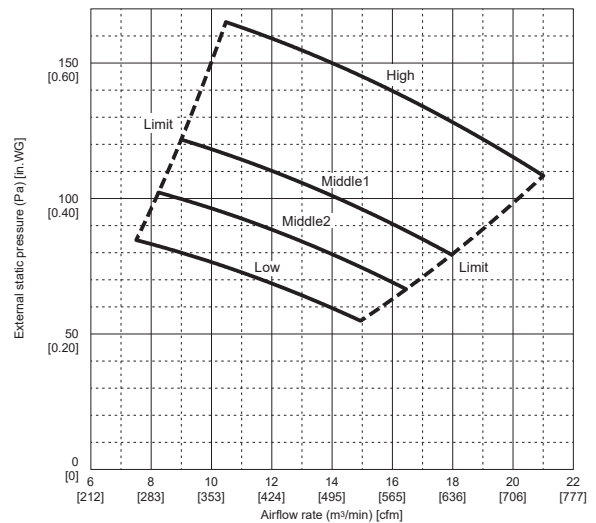
(External static pressure 100Pa) 208-230V 60Hz

**PEAD-AA12NL**

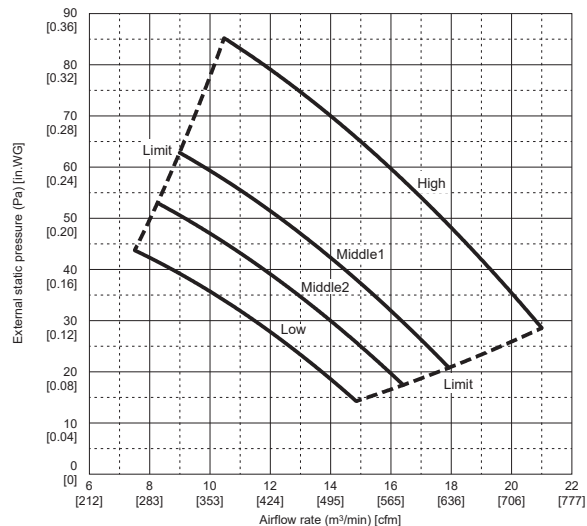
(External static pressure 50Pa) 208-230V 60Hz

**PEAD-AA12NL**

(External static pressure 150Pa) 208-230V 60Hz

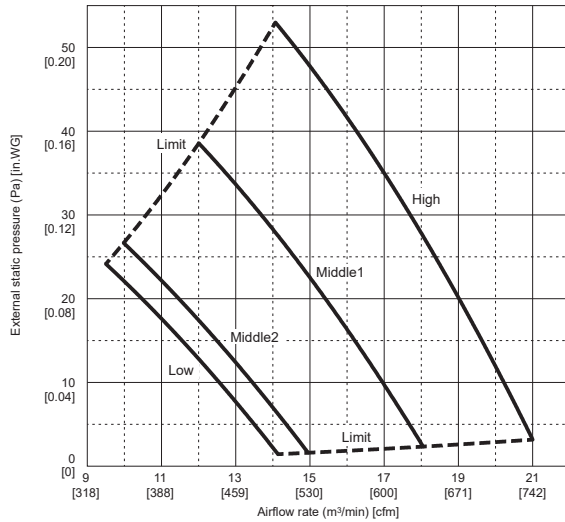
**PEAD-AA12NL**

(External static pressure 70Pa) 208-230V 60Hz

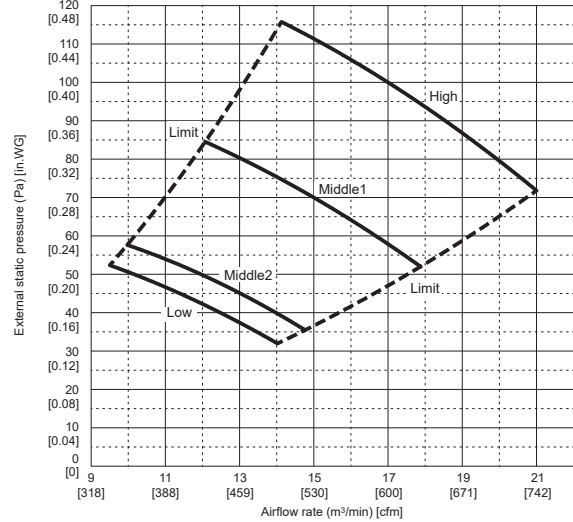


PEAD-AA15, 18NL

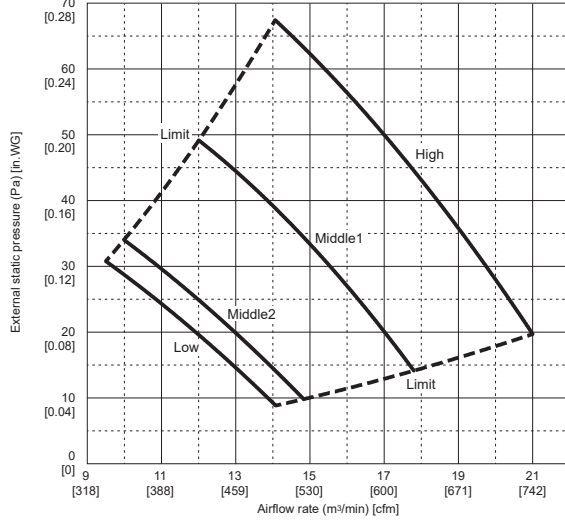
(External static pressure 35Pa) 208-230V 60Hz

**PEAD-AA15, 18NL**

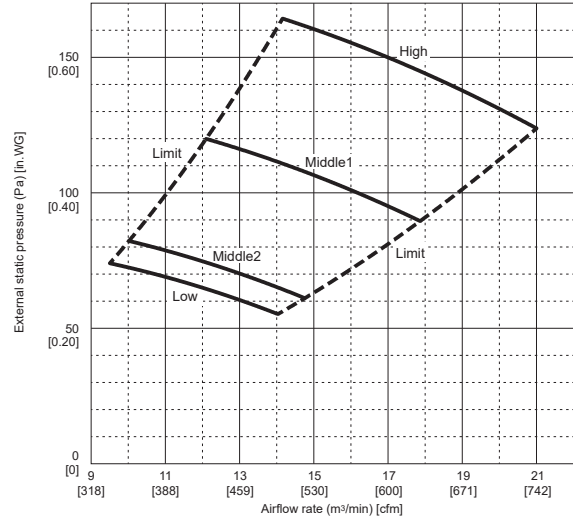
(External static pressure 100Pa) 208-230V 60Hz

**PEAD-AA15, 18NL**

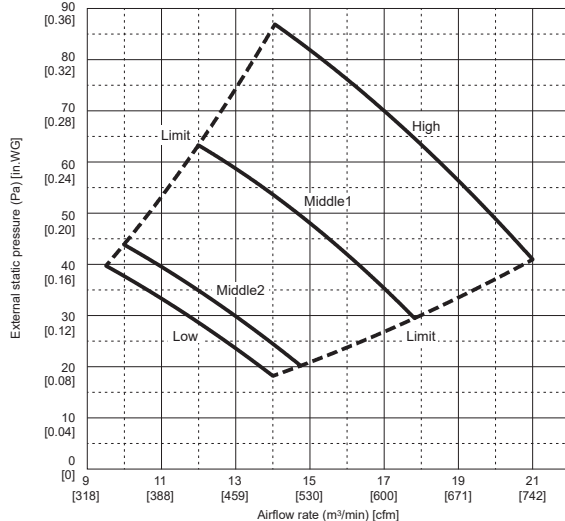
(External static pressure 50Pa) 208-230V 60Hz

**PEAD-AA15, 18NL**

(External static pressure 150Pa) 208-230V 60Hz

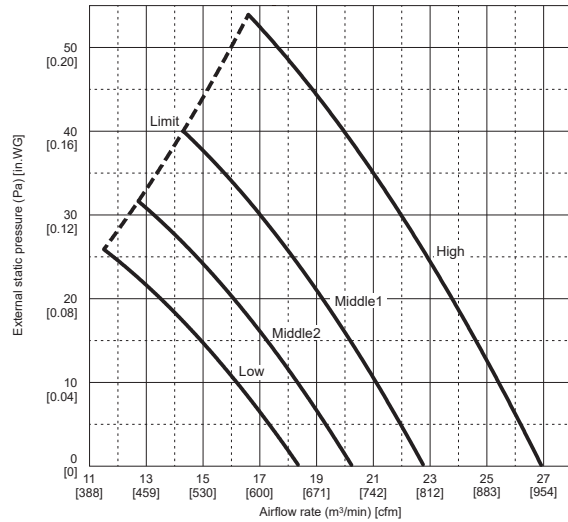
**PEAD-AA15, 18NL**

(External static pressure 70Pa) 208-230V 60Hz

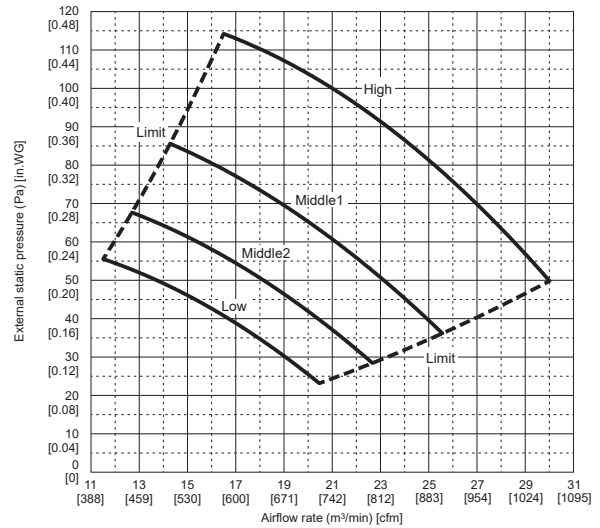


PEAD-AA24NL

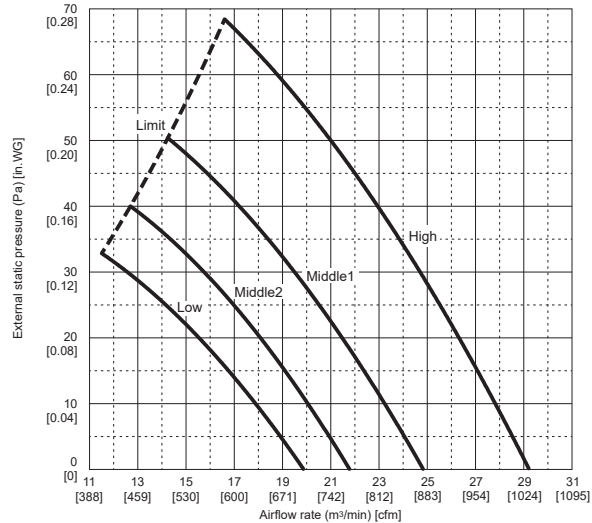
(External static pressure 35Pa) 208-230V 60Hz

**PEAD-AA24NL**

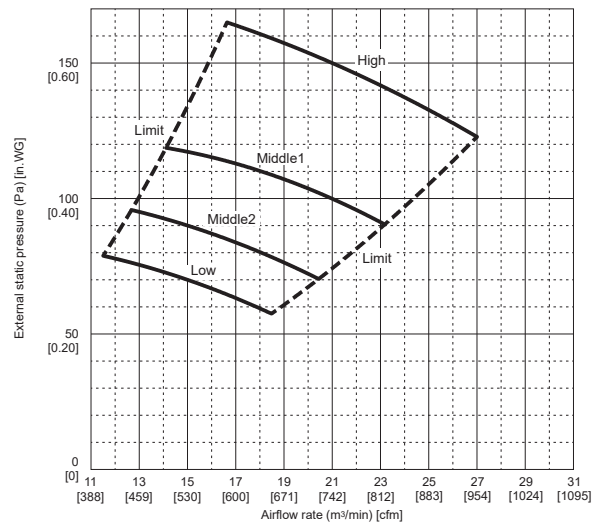
(External static pressure 100Pa) 208-230V 60Hz

**PEAD-AA24NL**

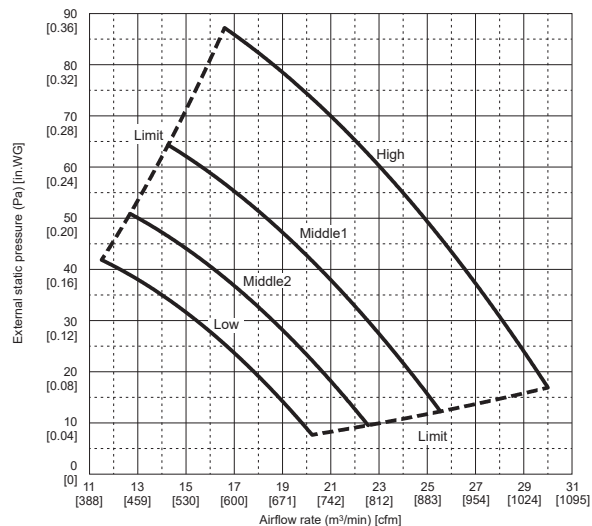
(External static pressure 50Pa) 208-230V 60Hz

**PEAD-AA24NL**

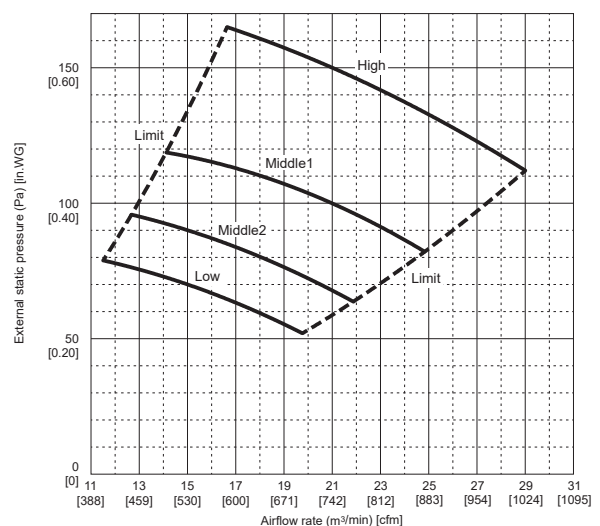
(External static pressure 150Pa) 208V 60Hz

**PEAD-AA24NL**

(External static pressure 70Pa) 208-230V 60Hz

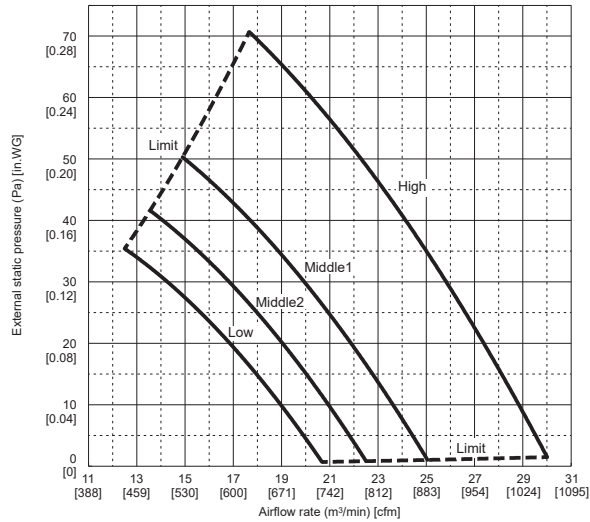
**PEAD-AA24NL**

(External static pressure 150Pa) 230V 60Hz

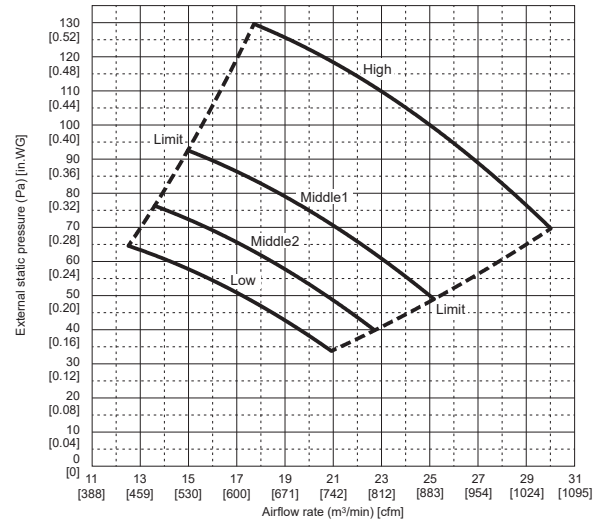


PEAD-AA30NL

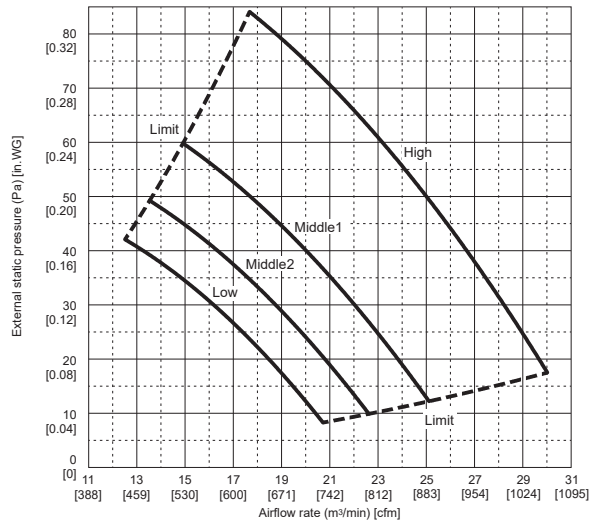
(External static pressure 35Pa) 208-230V 60Hz

**PEAD-AA30NL**

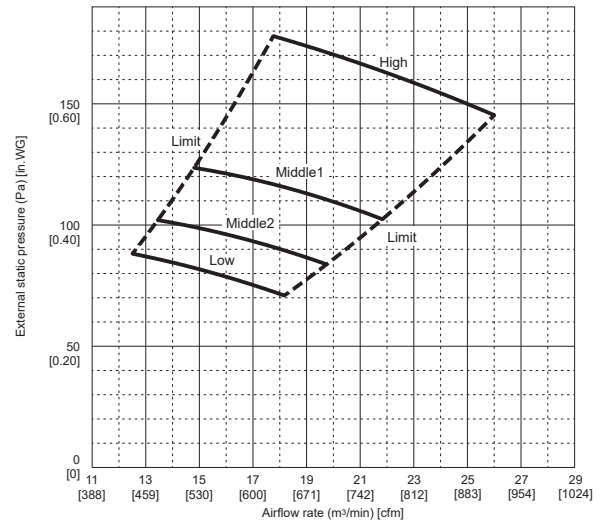
(External static pressure 100Pa) 208-230V 60Hz

**PEAD-AA30NL**

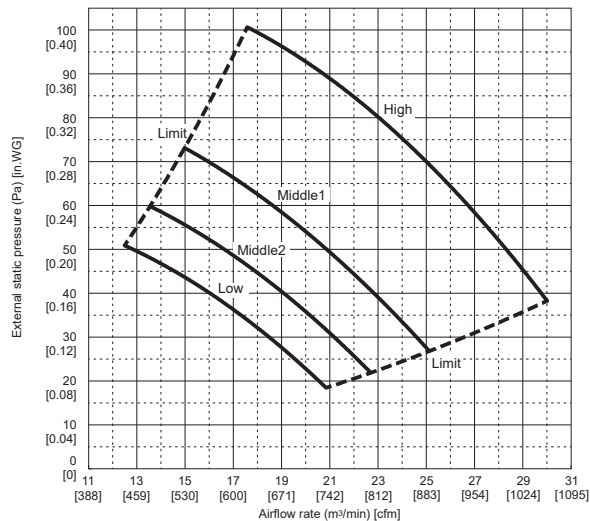
(External static pressure 50Pa) 208-230V 60Hz

**PEAD-AA30NL**

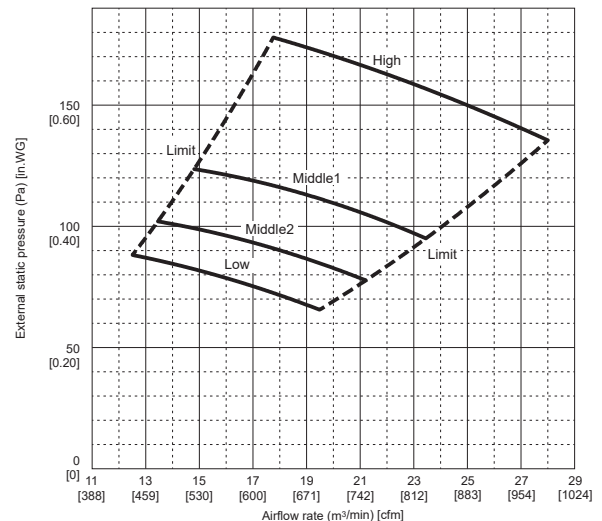
(External static pressure 150Pa) 208V 60Hz

**PEAD-AA30NL**

(External static pressure 70Pa) 208-230V 60Hz

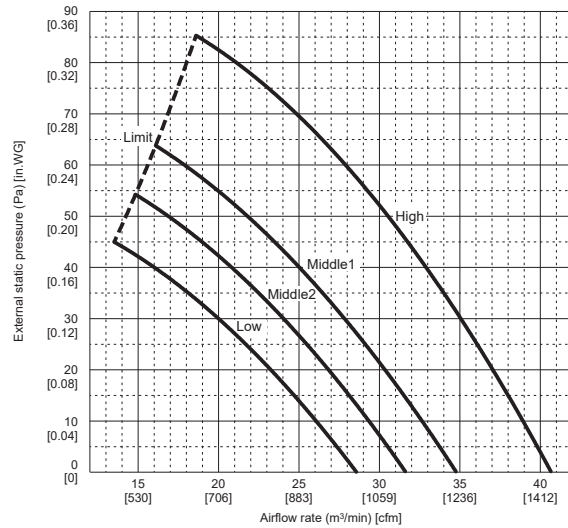
**PEAD-AA30NL**

(External static pressure 150Pa) 230V 60Hz

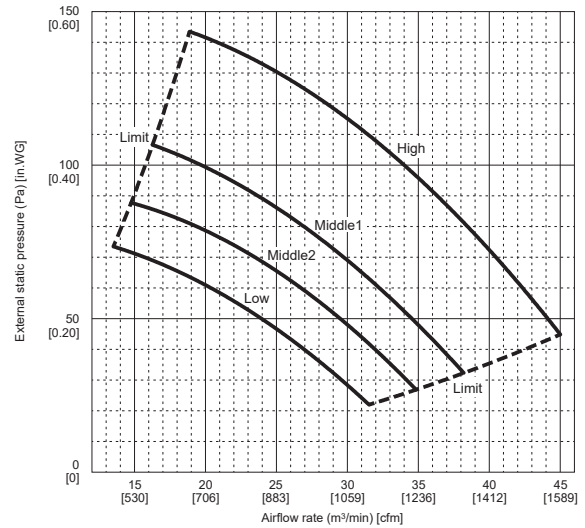


PEAD-AA36NL

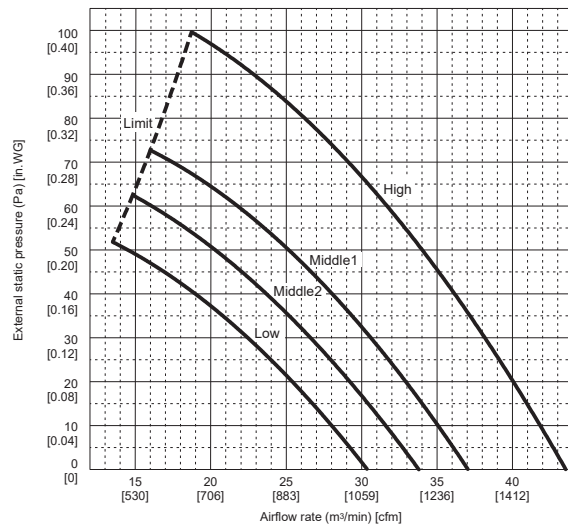
(External static pressure 35Pa) 208-230V 60Hz

**PEAD-AA36NL**

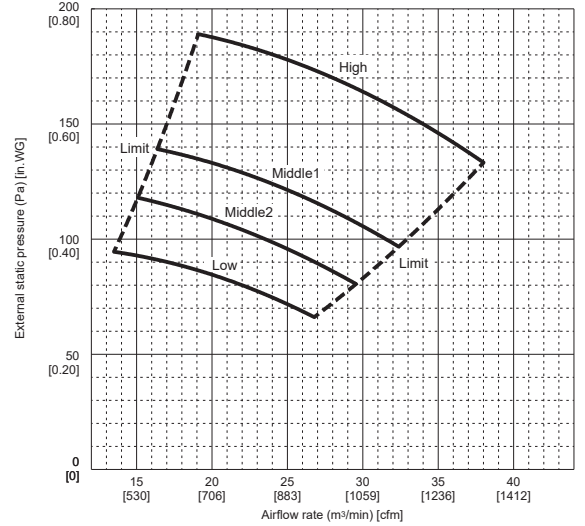
(External static pressure 100Pa) 208-230V 60Hz

**PEAD-AA36NL**

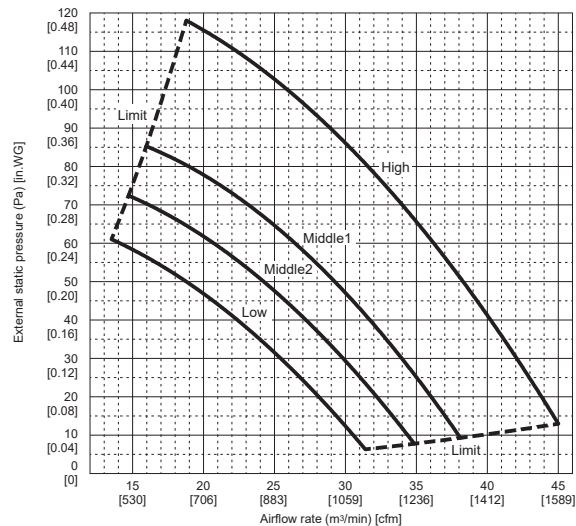
(External static pressure 50Pa) 208-230V 60Hz

**PEAD-AA36NL**

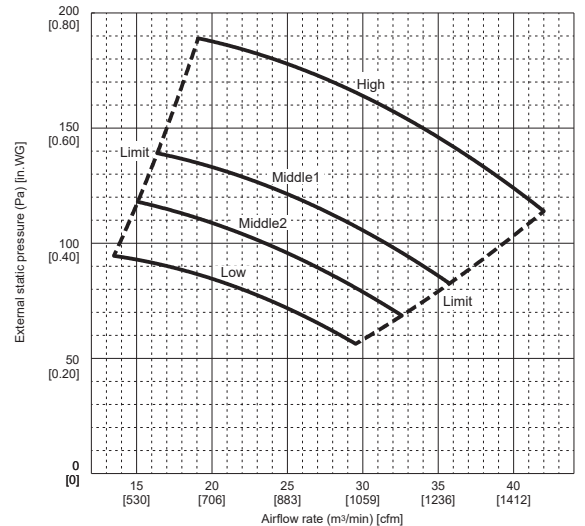
(External static pressure 150Pa) 208V 60Hz

**PEAD-AA36NL**

(External static pressure 70Pa) 208-230V 60Hz

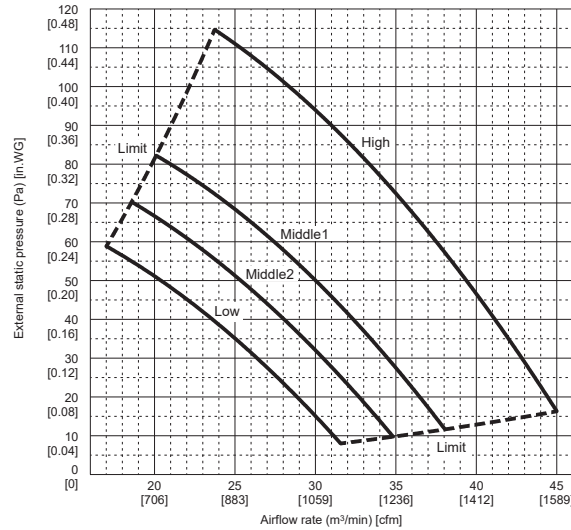
**PEAD-AA36NL**

(External static pressure 150Pa) 230V 60Hz

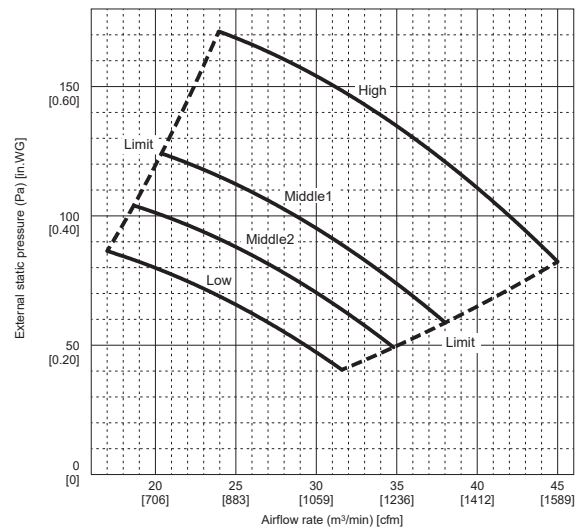


PEAD-AA42NL

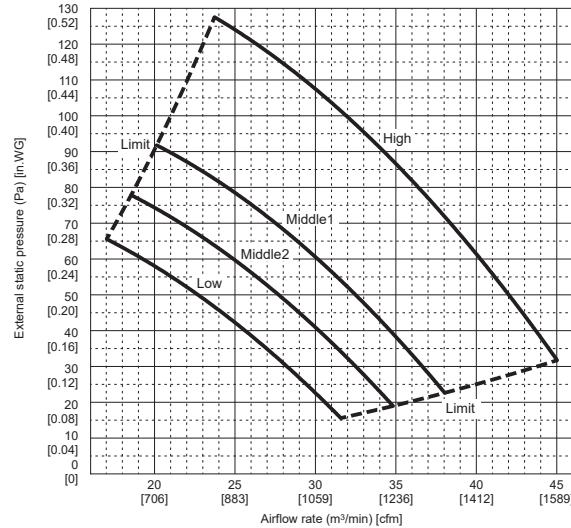
(External static pressure 35Pa) 208-230V 60Hz

**PEAD-AA42NL**

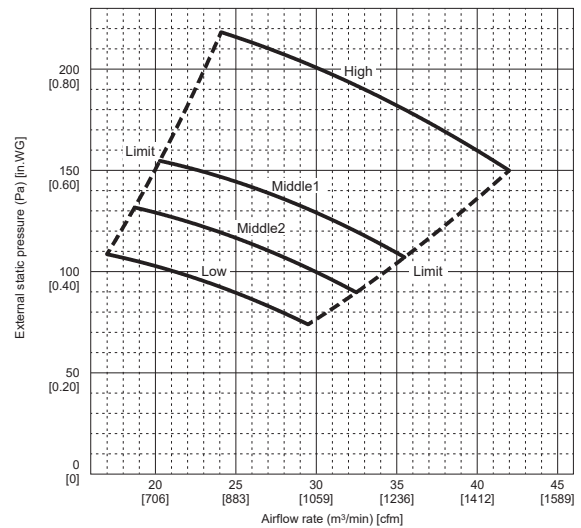
(External static pressure 100Pa) 208-230V 60Hz

**PEAD-AA42NL**

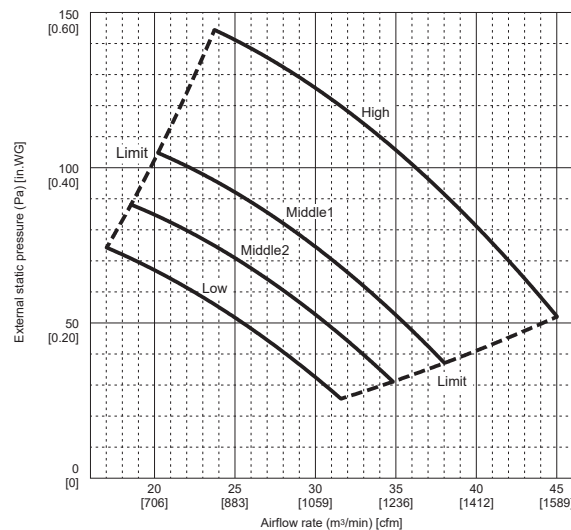
(External static pressure 50Pa) 208-230V 60Hz

**PEAD-AA42NL**

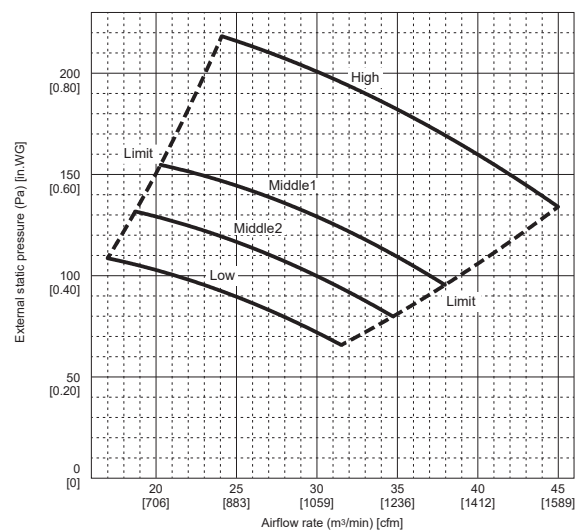
(External static pressure 150Pa) 208V 60Hz

**PEAD-AA42NL**

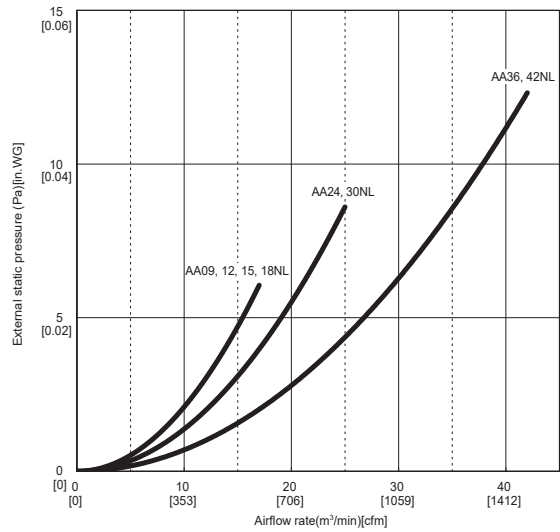
(External static pressure 70Pa) 208-230V 60Hz

**PEAD-AA42NL**

(External static pressure 150Pa) 230V 60Hz



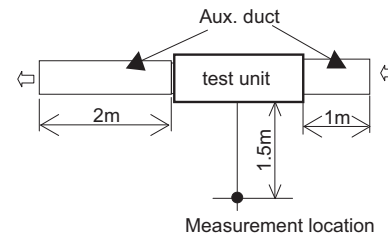
PEAD-AA09, 12, 15, 18, 24, 30, 36, 42NL
Air filter 208-230V 60Hz



5. SOUND PRESSURE LEVELS

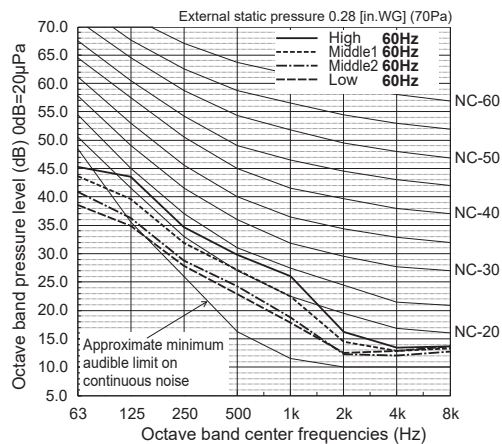
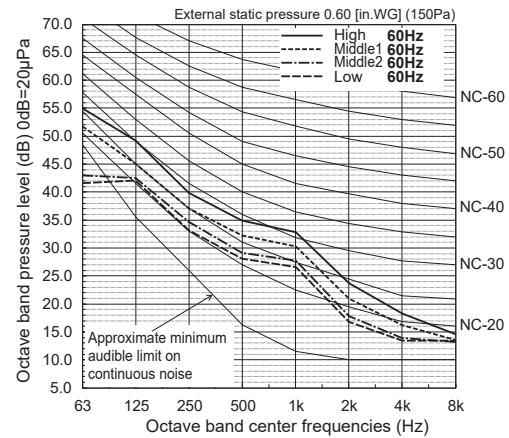
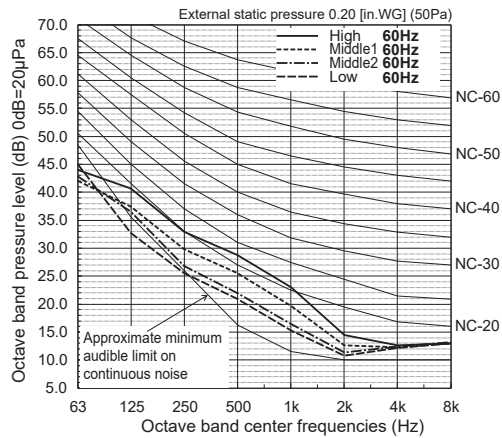
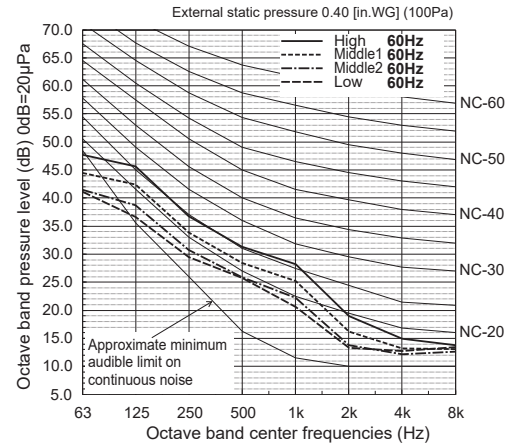
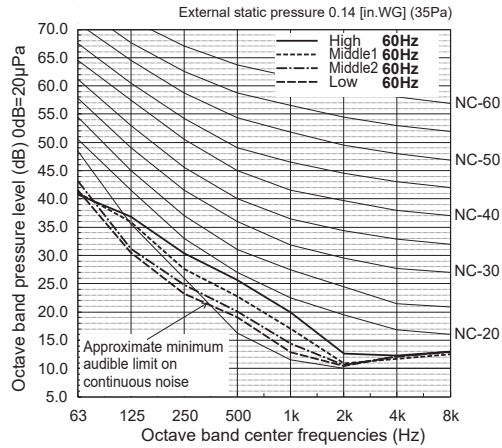
5-1. Sound pressure level

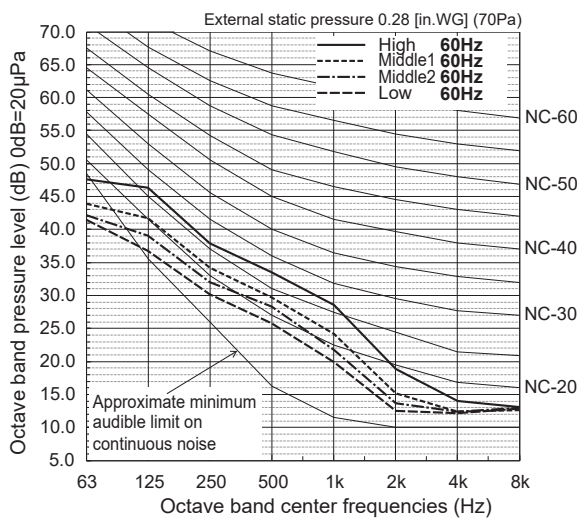
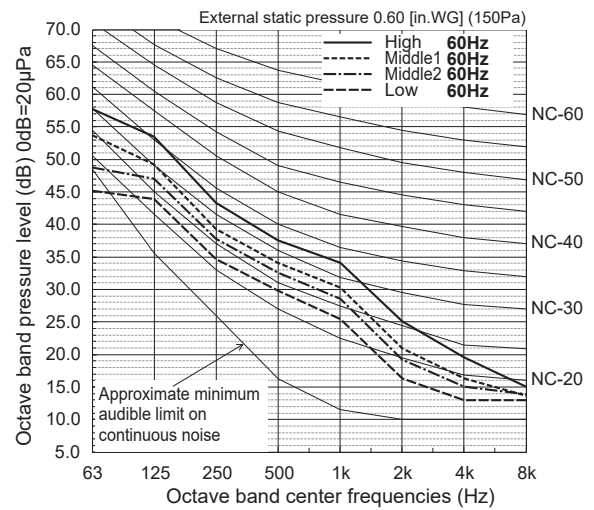
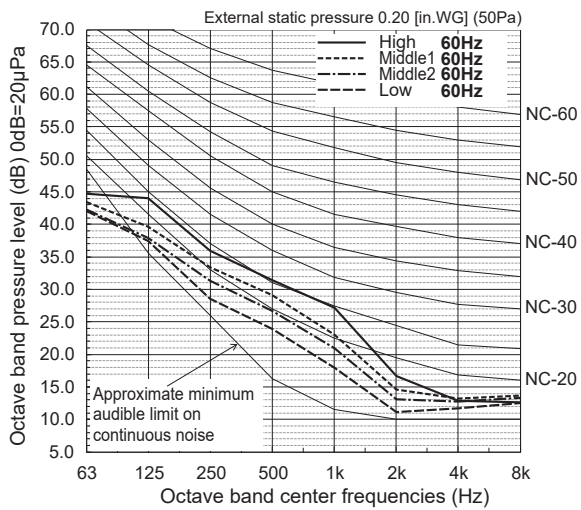
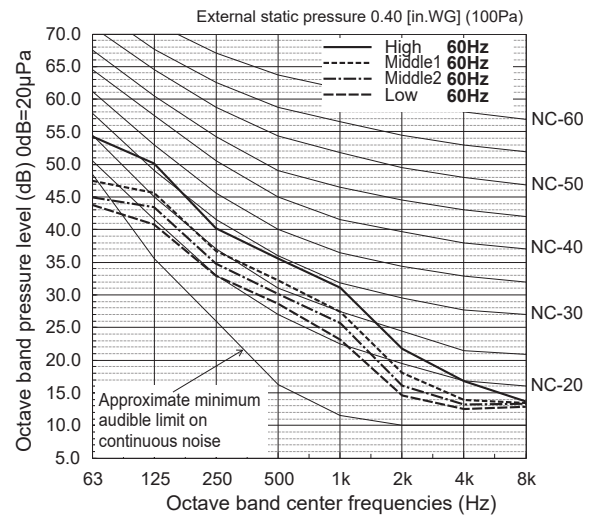
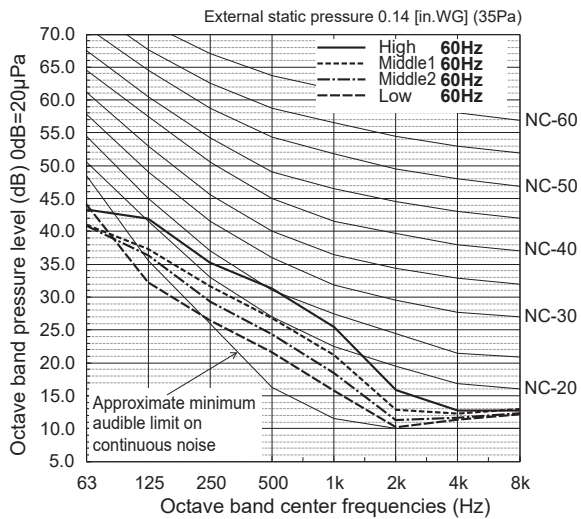
Ceiling concealed

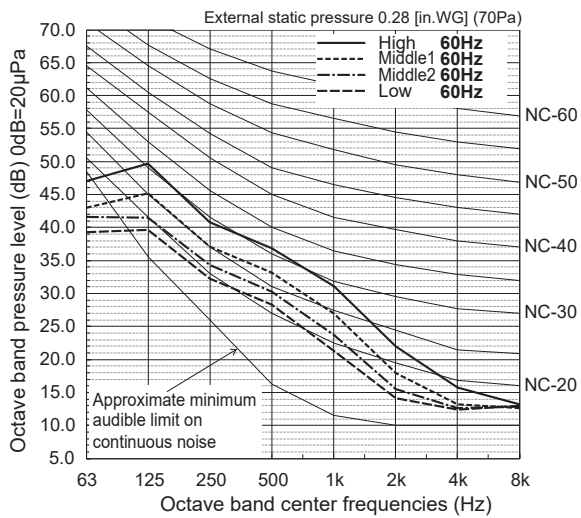
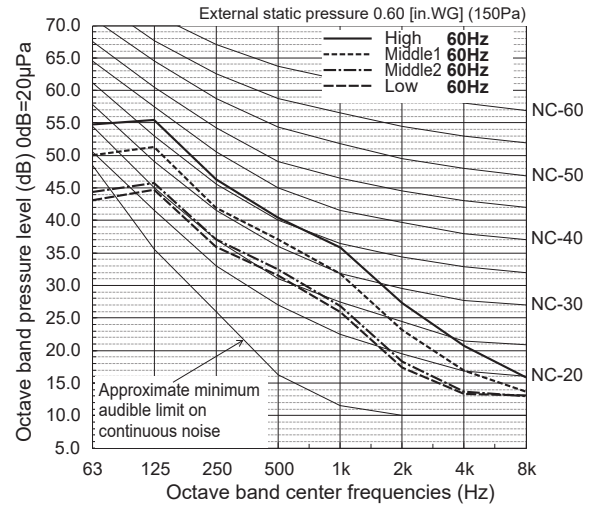
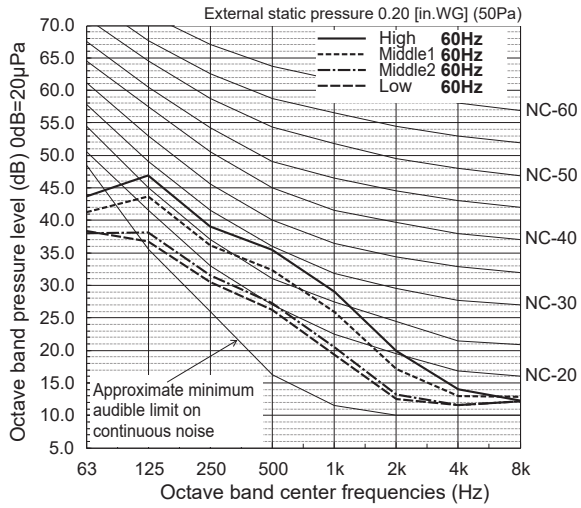
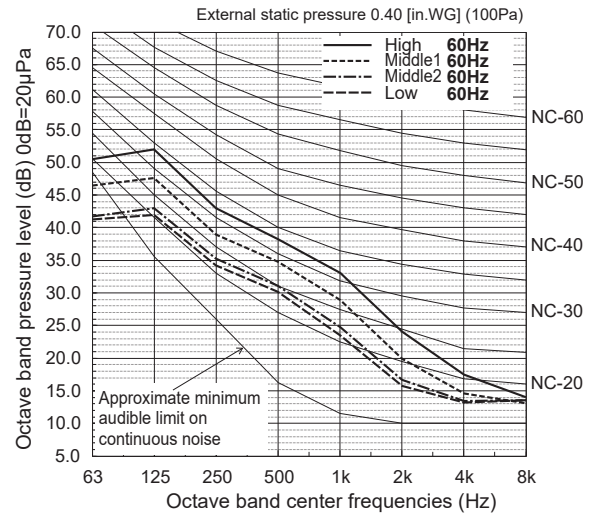
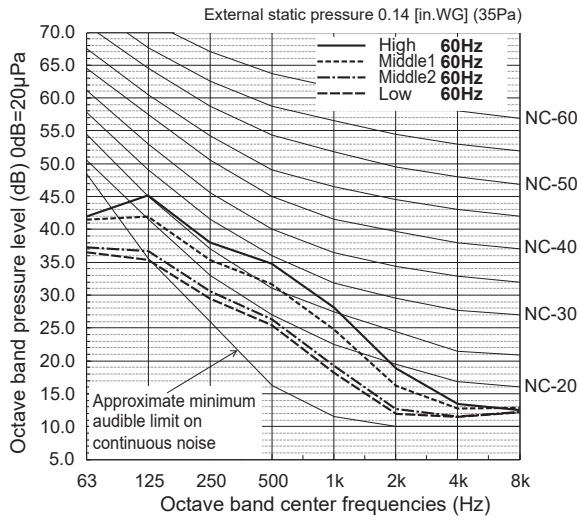


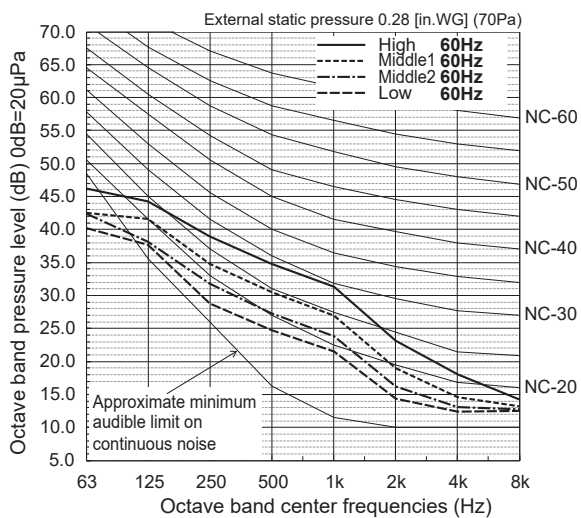
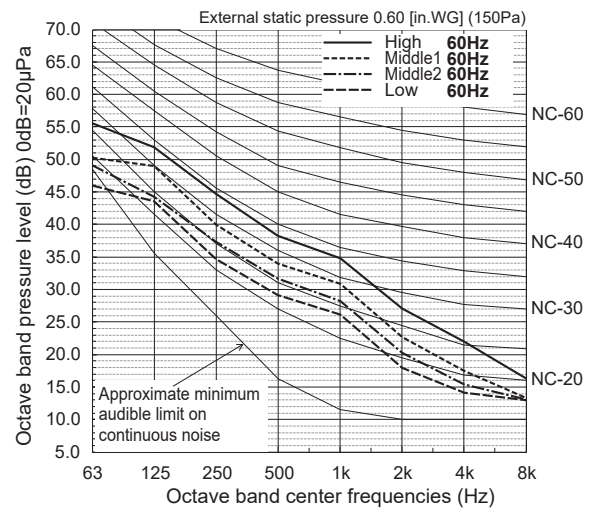
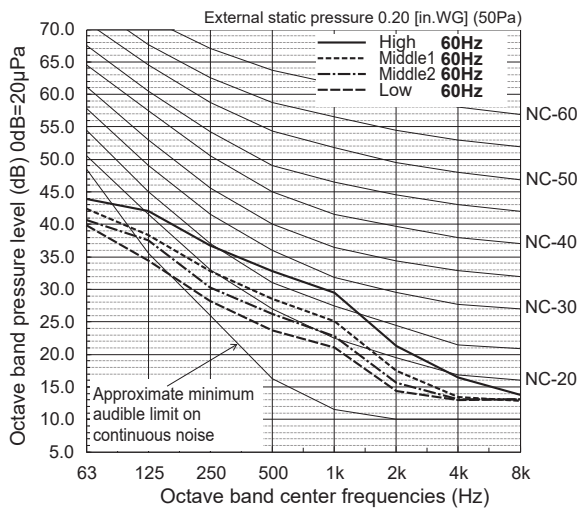
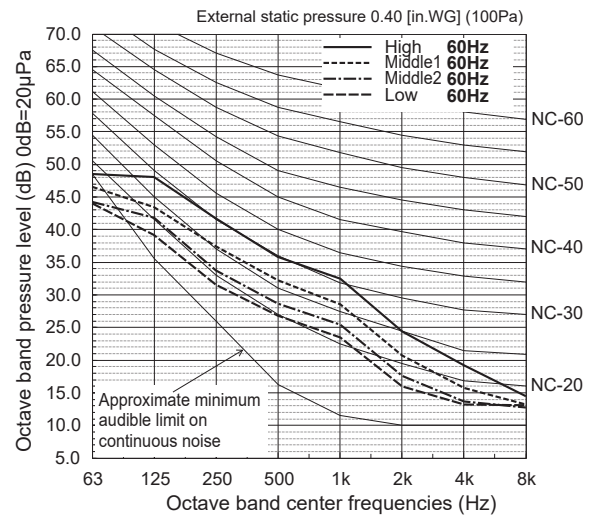
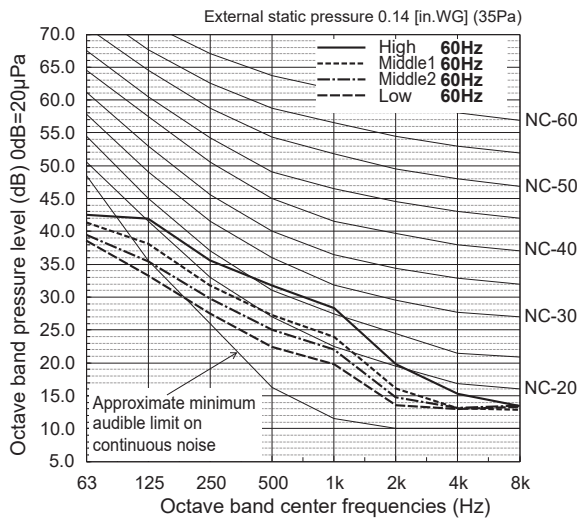
5-2. NC curves

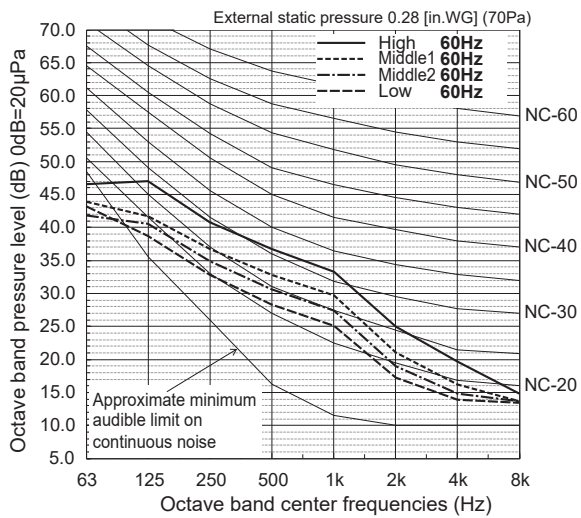
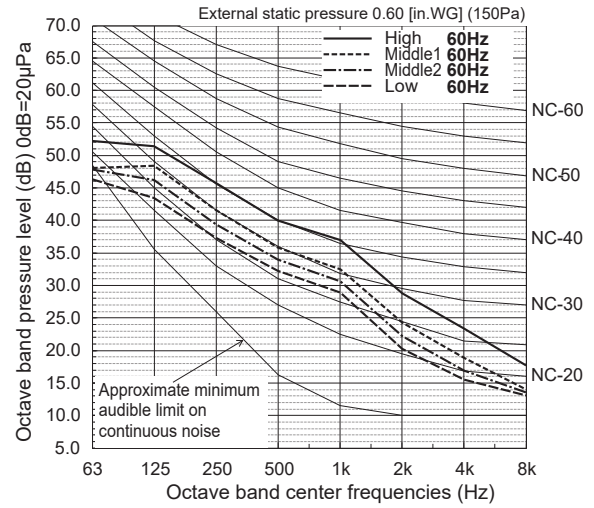
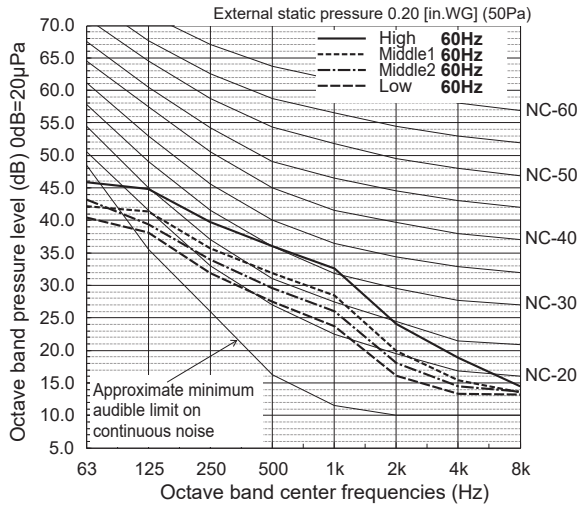
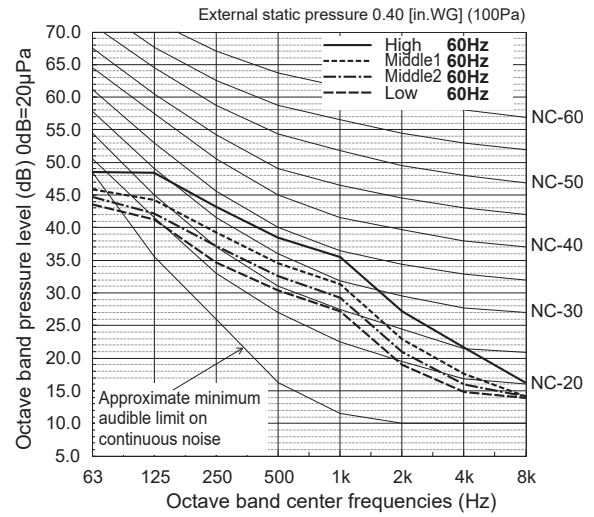
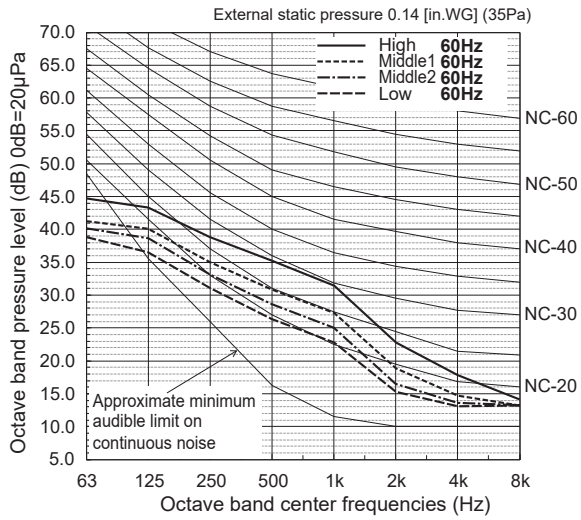
PEAD-AA09NL

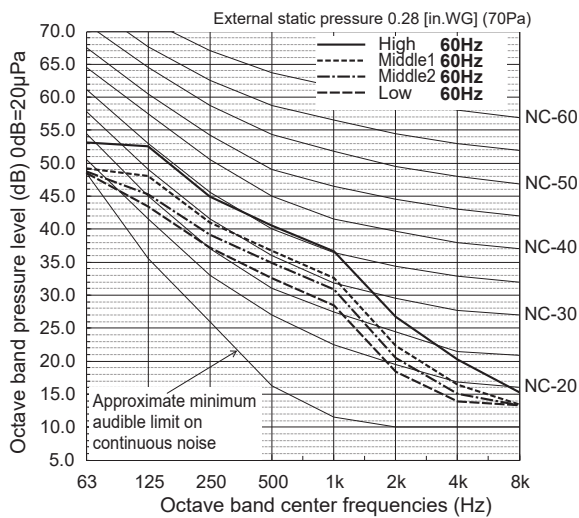
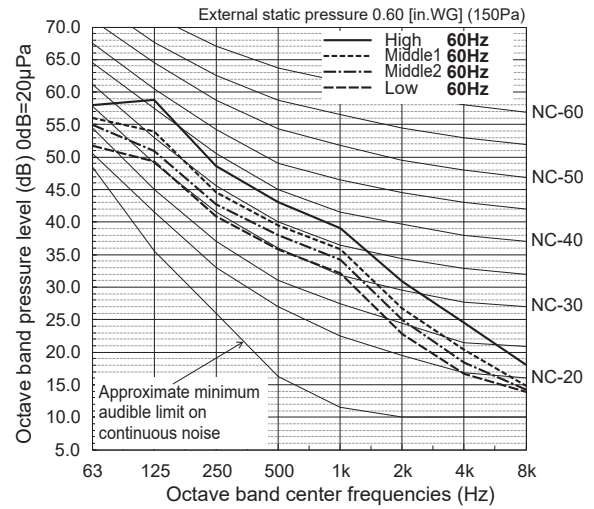
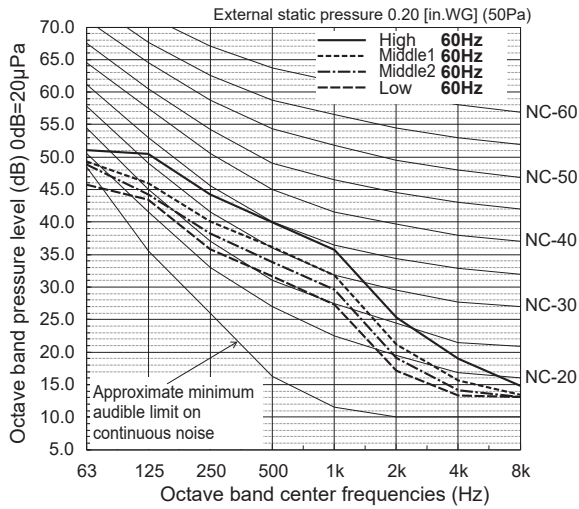
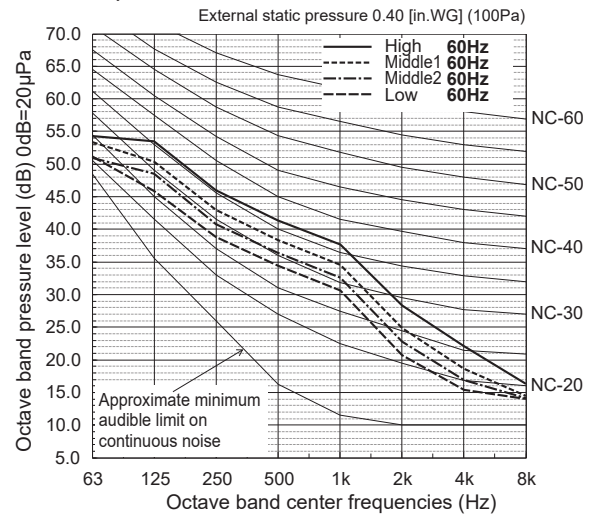
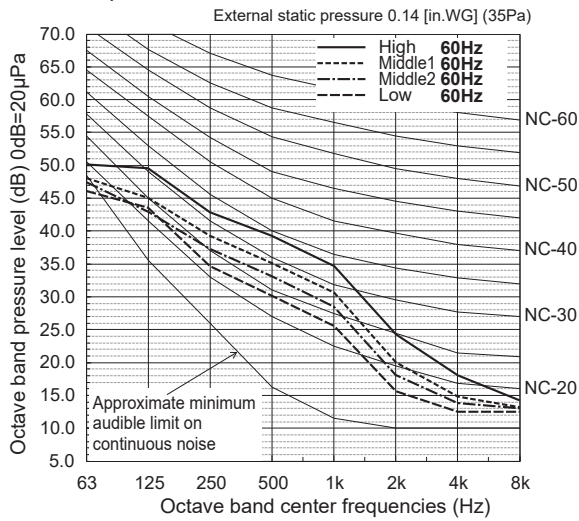


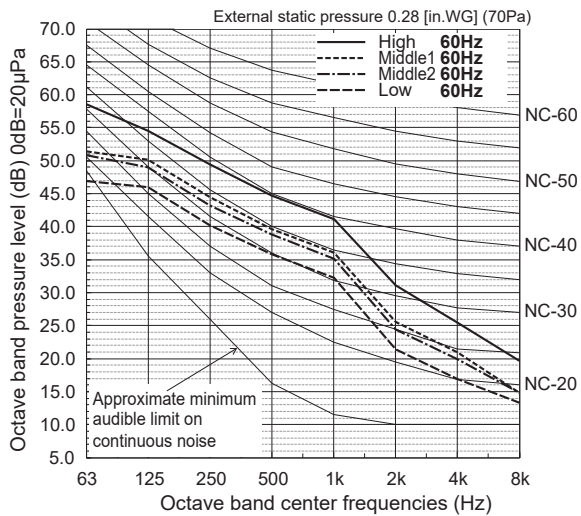
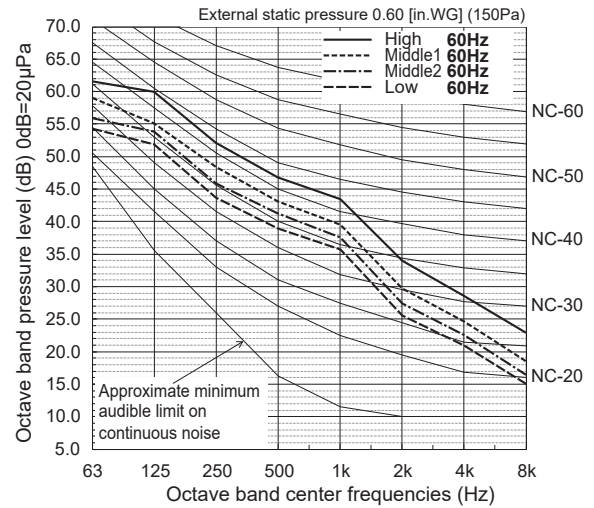
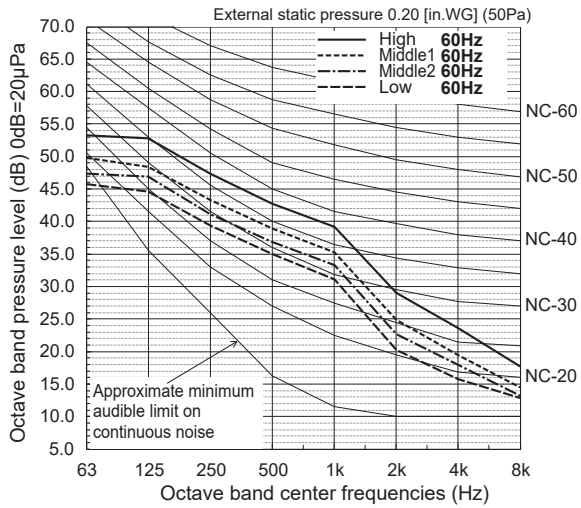
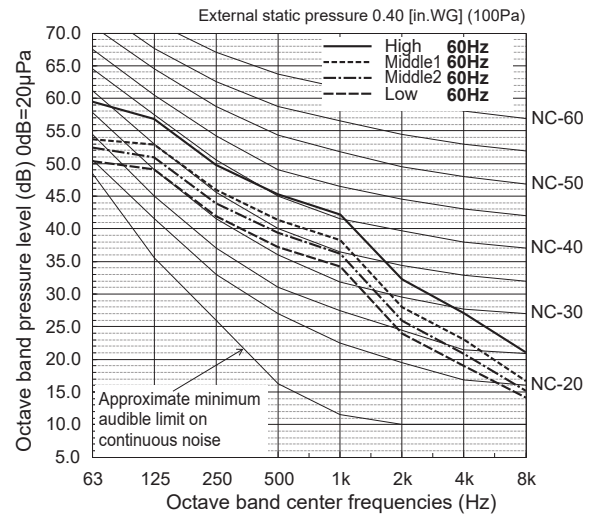
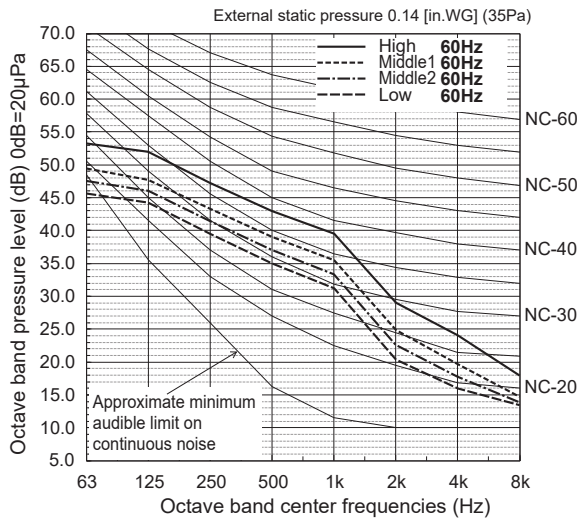
PEAD-AA12NL

PEAD-AA15, 18NL

PEAD-AA24NL

PEAD-AA30NL

PEAD-AA36NL

PEAD-AA42NL

PEAD-AA09, 12, 15, 18, 24, 30, 36, 42NL

[illegible]

Model	J	Unit:mm (in.)	
		① Gas pipe	② Liquid pipe
FEAD-AA09NL	62 (2-1/2)	ø9.52 (3/8)	ø6.35 (1/4)
FEAD-AA1215, 18NL		ø12.7 (1/2)	
FEAD-AA2430, 36, 42NL	66 (2-5/8)	ø15.88 (5/8)	ø9.52 (3/8)

Model	A	C	D	E	F	G	H	Unit:mm (in.)
PEAD-A09.12 151.8N	900 (35-7/16)	954 (37-9/16)	1000 (39-3/8)	860 (33-7/8)	9	800 (31-1/2)	858 (33-13/16)	72 (2-7/8)
PEAD-A24.30N	1100 (43-5/16)	1154 (45-7/16)	1200 (47-1/4)	1060 (41-3/4)	11	1000 (39-3/8)	1058 (41-11/16)	78 (3-1/8)
PEAD-A36.42N	1400 (55-1/8)	1454 (59-1/16)	1500 (59-1/8)	1360 (53-9/16)	14	1300 (51-3/16)	1358 (53-1/2)	

[Maintenance access space]

Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, drain pump, heat exchanger, and control box in one of the following ways.
Select an installation site for the indoor unit so that its maintenance access space will not be obstructed by beams or other objects.

- (1) When a space of 300mm or more is available below the unit between the unit and the ceiling. (Fig.1)
 - Create access door 1 and 2 (450x450mm each) as shown in Fig.2.
 - (Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)
- (2) When a space of less than 300mm is available below the unit between the unit and the ceiling.
 - (At least 20mm of space should be left below the unit as shown in Fig.3.)
 - Create access door 1 diagonally below the control box and access door 3 below the unit as shown in Fig.4.
 - or
 - Create access door 4 below the control box and the unit as shown in Fig.5.

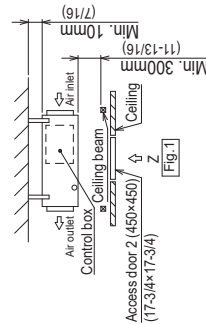


Fig.1

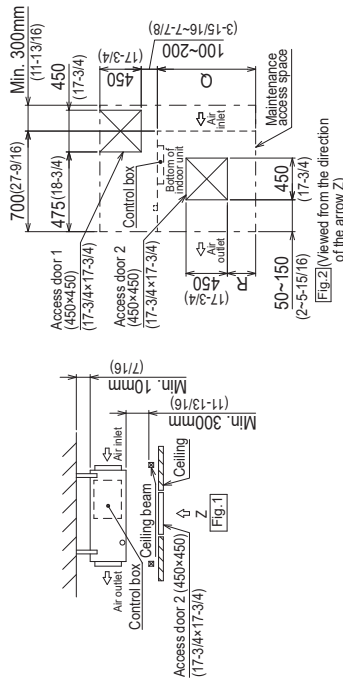


Fig.2 (Viewed from the direction of the arrow Z)

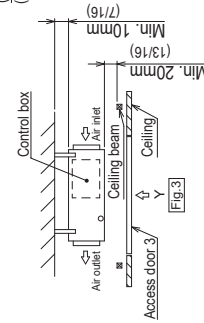


Fig.3

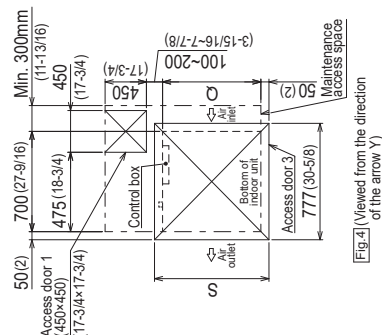


Fig.4 (Viewed from the direction of the arrow Y)

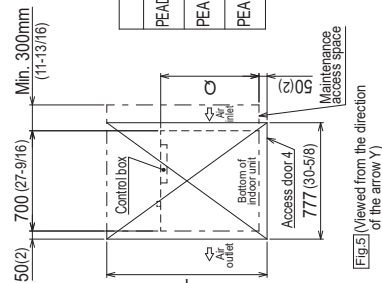
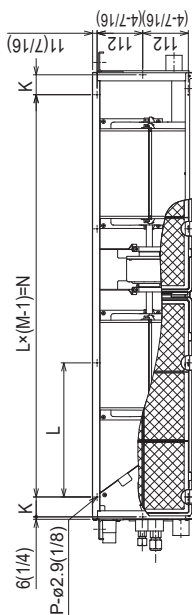
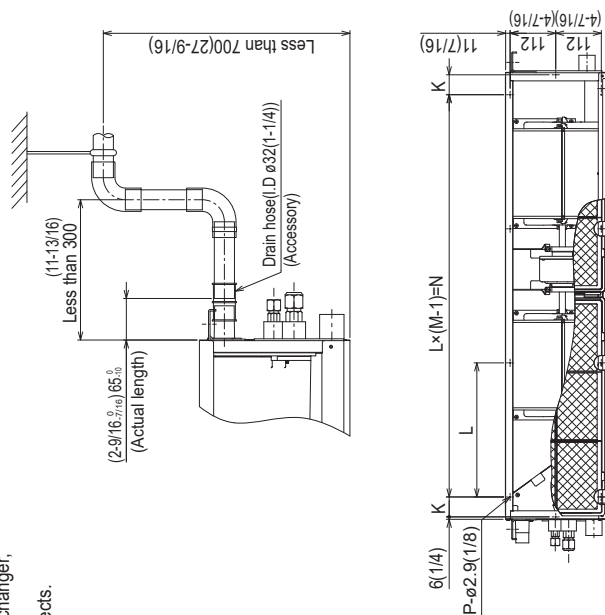


Fig.5 (Viewed from the direction of the arrow Y)

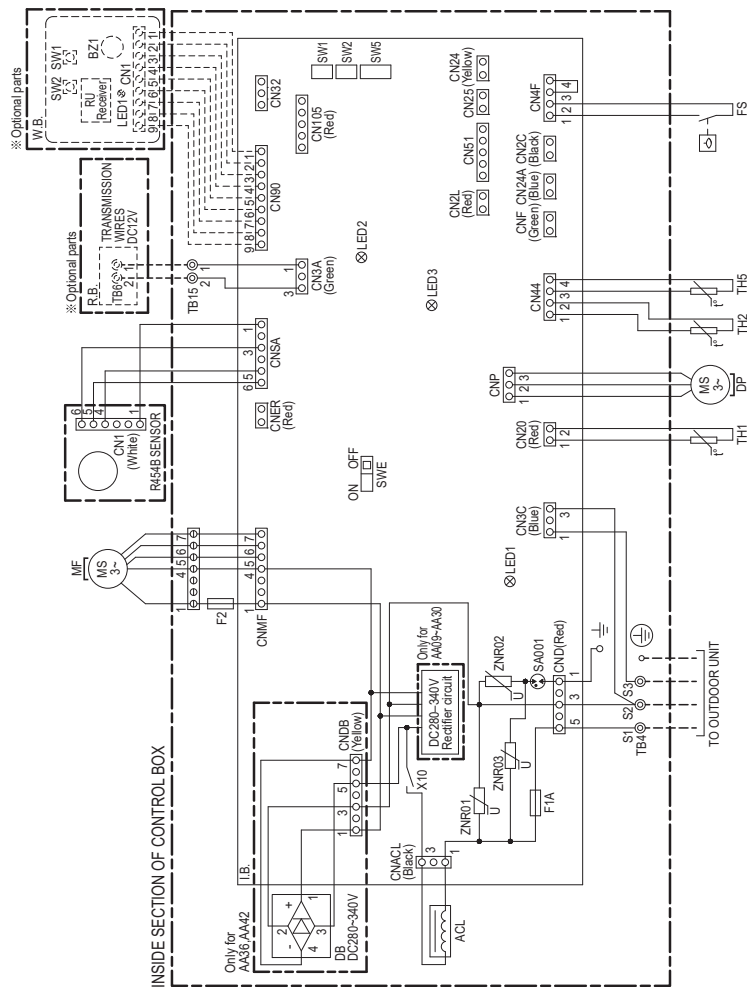


Model	K	L	M	N	P	Q	R	S	T
PEAD-AA09, 12, 15, 18NL	54 (2-3/16)	260 (10-1/4)	4 (3/32)	780 (30-3/4)	10 (3/16)	900 (35-7/16)	150-250 (5-15/16)-(9-7/8)	1000 (39-3/8)	1500 (59-1/16)
PEAD-AA24, 30NL	49 (1-15/16)	330 (13)	4 (3/32)	990 (39)	10 (3/16)	1100 (43-5/16)	250-350 (9-7/8)-(13-13/16)	1200 (47-1/4)	1700 (66-15/16)
PEAD-AA36, 42NL	54 (2-3/16)	320 (12-5/8)	5 (5/32)	1280 (51-1/4)	12 (3/4)	1400 (55-1/8)	400-500 (15-3/4)-(19-11/16)	1500 (59-1/16)	2000 (78-3/4)

Unit:mm(in.)

7. WIRING DIAGRAM

PEAD-AA09, 12, 15, 18, 24, 30, 36, 42NL



SYMBOL EXPLANATION

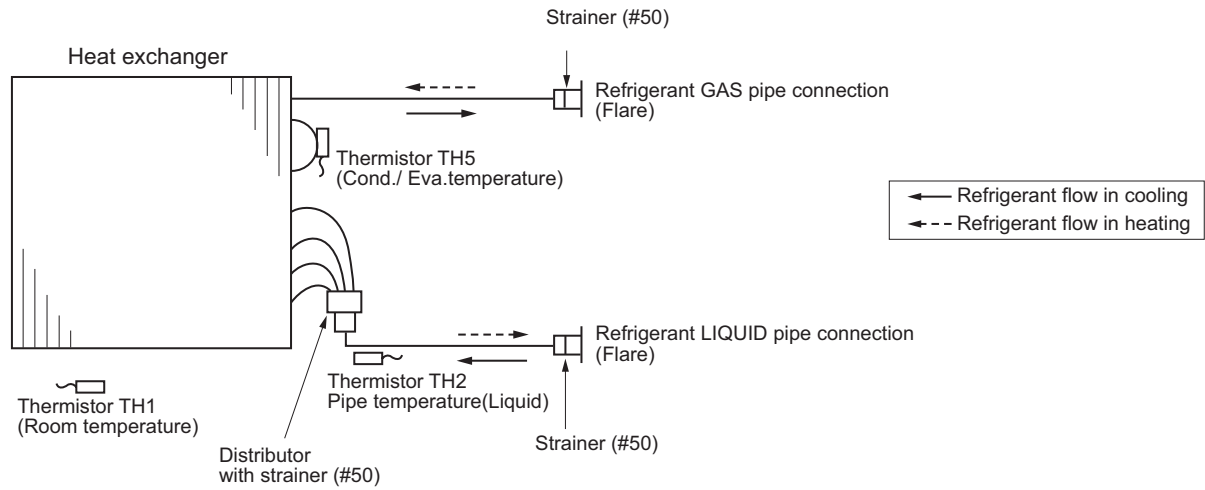
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	INDOOR CONTROLLER BOARD	I.B.	INDOOR CONTROLLER BOARD	DP	DRAIN PUMP
CN24	CONNECTOR (HEATER CONTROL 1ST)	SW1	SWITCH (FOR MODEL SELECTION)	F2	FUSE DC400V 3A SHV11
CN24A	CONNECTOR (HEATER CONTROL 2ND)	SW2	SWITCH (FOR CAPACITY CODE)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN25	CONNECTOR (HUMIDITY OUTPUT)	SW5	SWITCH (FOR MODE SELECTION)	TB15	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN26	CONNECTOR (ERV OUTPUT)	SWE	CONNECTOR (EMERGENCY OPERATION)	OPTIONAL PARTS	
CN2L	CONNECTOR (LOSSNAV)	F1A	FUSE AC250V 6.3A	W.B.	IR WIRELESS REMOTE CONTROLLER BOARD
CN32	CONNECTOR (REMOTE SWITCH)	ZNR01,Z2,Z3	VARISTOR	RU	RECEIVING UNIT
CN51	CONNECTOR (CENTRALLY CONTROL)	SA001	ARRESTOR	BZ1	BUZZER
CN80	CONNECTOR (T.T. TERMINAL)	X10	AUX. RELAY	LED1	LED (RUN INDICATOR)
CN105	CONNECTOR (T.T. TERMINAL)	TH1	INTAKE AIR TEMP. THERMISTOR	SW1	SWITCH (HEATING ON/OFF)
LED1	LED (POWER SUPPLY)	TH5	PIPE TEMP. THERMISTOR LIQUID	SW2	SWITCH (COOLING ON/OFF)
LED2	LED (REMOTE CONTROLLER SUPPLY)	ACL	COND.EVA. TEMP. THERMISTOR	W.B.	WIRED REMOTE CONTROLLER BOARD
LED3	LED (TRANSMISSION INDOOR-OUTDOOR)	FS	FAN MOTOR	TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CNER	CONNECTOR (ERV INPUT)				
CNF	CONNECTOR (HUMIDITY INPUT)				



- 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 as follows.
- ◎ : TERMINAL
--- (HEAVY DOTTED LINE): FIELD WIRING
--- (THIN DOTTED LINE): OPTIONAL PARTS
4 Use copper supply wires.
Utiliser des fils d'alimentation en cuivre.

8. REFRIGERANT SYSTEM DIAGRAM

PEAD-AA09, 12, 15, 18, 24, 30, 36, 42NL



9. HEATER CONTROL

9-1. CAUTIONS RERATED TO HEATER

- Exercise caution when using any auxiliary heat source and follow all third party manufacturer instructions and safety guidelines for installation and usage.
- Any auxiliary heat source connected to this unit via the CN24 connection must have an independent temperature control mechanism. Failure to install and maintain such temperature control mechanism may void the warranty for this unit.
- Mitsubishi Electric shall not bear any warranty obligation or other liability for any damage or loss in connection with such third party auxiliary heaters.

9-2. CONTROL SPECIFICATIONS AND FUNCTION SETTING

- Table 1 shows the mode setting for the field-installed heater.

Table. 1 [Function Table]

Select unit numbers 01 to 03 or all units (AL [wired remote controller] / 07 [IR wireless remote controller])

Mode (function) No.		Factory Setting	Mode	Heater Operation In Error	Heater Operation During Defrost	Heater Operation During Refrigerant Leakage	Fan Control When Heater ON
Wired remote controller (RF thermostat)							
11 (111)	23 (123)						
1	1	●	No Heater Present				
2	1	-	Heater Available	OFF	OFF	OFF	High
			Disable heater during Defrost and Error				
2	2	-	Heater Available	ON *1	ON	OFF *2	High
			Enable heater and fan during Defrost and Error *1				

Default setting: No.11: 1, No.23: 1

*1 Heater On signal can not be output in the following cases for safety reasons.

E4, E5: Communication error

A0 to A8: M-NET error

P1: Inlet thermistor error

E6, E7: Indoor/Outdoor unit communication error (In case of SW5-5: OFF)

*2 Heater will not operate during the following error.

Error code: FL (1521), FH (5558)

- Table 2 shows how the field-installed heater is controlled.

Table. 2 [Heater Control Table]

Mode Change	Condition				
EH1 ON	$(T_o - T_{RA}) > 2.7\text{ }^{\circ}\text{F [1.5 }^{\circ}\text{C]}$	AND	T_{RA} has not increased by $0.9\text{ }^{\circ}\text{F [0.5}^{\circ}\text{C]}$ in X min		
EH2 ON	$(T_o - T_{RA}) > 2.7\text{ }^{\circ}\text{F [1.5 }^{\circ}\text{C]}$	AND	T_{RA} has not increased by $0.9\text{ }^{\circ}\text{F [0.5}^{\circ}\text{C]}$ in 8 min	AND	EH1 ON for > 8 min
EH1 OFF	$(T_o - T_{RA}) \leq 0.9\text{ }^{\circ}\text{F [0.5}^{\circ}\text{C]}$				
EH2 OFF					
KEY • EH1: Electric Heater 1 • EH2: Electric Heater 2 • To: Set point temperature • T_{RA}: Return Air temperature • X: Time delay (Selectable. Default is 20 min. Selectable to 1, 5, 10, 15, or 25 min)					

- Table 3 shows how the time delay is selected

Table. 3 [Time Delay Selection Table]

Request Code*1	Action*3
390	Monitor Time Delay Setting
391	Set Time Delay to 10 minutes
392	Set Time Delay to 15 minutes
393	Set Time Delay to 20 minutes*2
394	Set Time Delay to 25 minutes
395	Set Time Delay to 5 minutes
396	Set Time Delay to 1 minute

Notes:

1. Both main and sub unit should be set in the same setting.
2. Every time replacing indoor controller board for serving, the function should be set again.
3. Stop the air-conditioner operation before changing the heater ON delay time.

*1 Time delay can only be selected with MA controller. If use of a non-MA controller is desired, the time delay must first be selected with the MA controller. Then the non-MA controller can be attached and used.

*2 The default time delay setting is 20 minutes.

*3 All delay times are approximate. It takes a few minutes to turn heater ON after the heater ON delay time has passed.

Step	Condition			Result
①	$(T_o - T_{RA}) > 2.7\text{ }^{\circ}\text{F}$ [1.5 °C]	AND	T_{RA} has not increased by 0.9 °F [0.5°C] in X min	EH1 ON
②	$(T_o - T_{RA}) < 2.7\text{ }^{\circ}\text{F}$ [1.5 °C]	AND	T_{RA} increasing faster than 0.9 °F [0.5°C] in 8 min	EH2 not ON
③	$(T_o - T_{RA}) < 0.9\text{ }^{\circ}\text{F}$ [0.5°C]			EH1 OFF
④	$(T_o - T_{RA}) > 2.7\text{ }^{\circ}\text{F}$ [1.5 °C]	AND	T_{RA} has not increased by 0.9 °F [0.5°C] in X min	EH1 ON
⑤	$(T_o - T_{RA}) > 2.7\text{ }^{\circ}\text{F}$ [1.5 °C]	AND	T_{RA} not increasing faster than 0.9 °F [0.5°C] in 8 min	EH2 ON
⑥	$(T_o - T_{RA}) < 0.9\text{ }^{\circ}\text{F}$ [0.5°C]			EH1 OFF EH2 OFF

9-3. FAN CONTROLL

By setting the Mode No. 11 in the Function Table in section 9-2 and using panel heater connector on the optional parts PAC-YU25HT, the following patterns of fan control will become possible when [DEFROST] or [ERROR] is displayed.

Fan control patterns when [DEFROST] or [ERROR] is displayed

	Heater is installed in the duct.	No heater is installed in the duct.
Use of panel heater connector (PAC-YU25HT)	Unused*	Used
Heater is off.	Fan OFF	Fan OFF
Heater is on.	Fan ON (High)	Fan OFF

While the heater is on, the fan will operate at high speed regardless of the fan setting on the remote controller.



*** If a heater is installed in the duct, do not use panel heater connector. By doing so, the fan will turn off when the heater is on, which may result in fire.**

9-4. PAC-YU25HT (OPTIONAL PARTS) INSTALLATION

The following section describes installation of the External Heater Adapter that connects to PEAD-AA-NL series indoor unit. This products is the special wiring parts to drive an electric heater with the air conditioner.

(1) Parts list

◆Check that the following parts are included in the package.

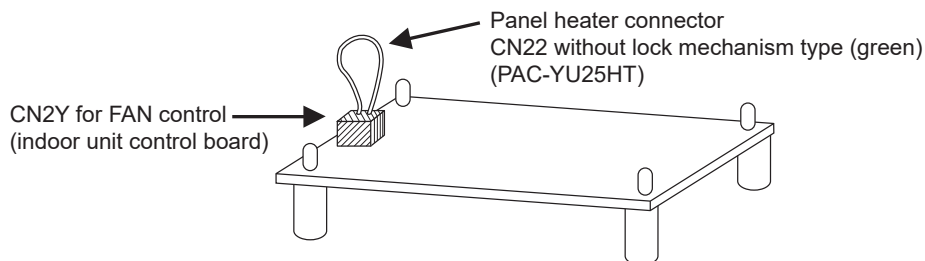
- 1) External output cable (with a yellow connector).....2 in total
Two types of cables with different connectors are included.
- 2) Panel heater connector..... 3 in total
White: 1
Green: 2 (2 types)

(2) Connection to the indoor unit

◆Use the cables that fit the connectors on the indoor unit control board.

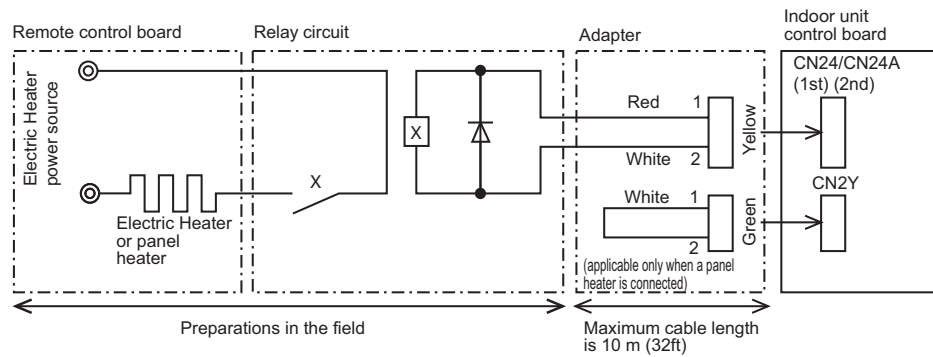
- 1) External output cable (with a yellow connector)
This cable is used to connect a relay circuit for an interlocked operation with either an electric or a panel heater. Select the heater output pattern (1st = CN24 or 2nd = CN24A) to use, and connect the cable to the connector on the indoor unit control board that corresponds to the selection.
- 2) Panel heater connector (with a green connector)
This connector is used to perform an interlocked operation with a panel heater. Depending on the indoor unit control board specification, connect the cable to CN2Y as appropriate.

<Image>



(3) Locally procured wiring

◆A basic connection method is shown below.



◆For relay X, use the specifications given below.

Operation coil

Rated voltage: 12VDC

Power consumption: 0.9W or less

* Use the diode that is recommended by the relay manufacturer at both ends of the relay coil.

◆The length of the electrical wiring for the PAC-YU25HT is 2 meters (6-1/2 ft.)

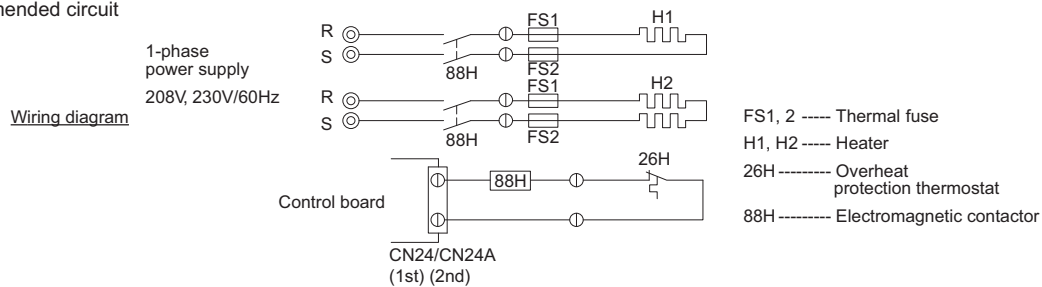
◆To extend this length, use sheathed 2-core cable.

Control cable type: CVV, CVS, CPEV or equivalent.

Cable size: 0.5 mm² ~ 1.25 mm² (16 to 22 AWG)

Don't extend the cable more than 10 meters (32ft)

Recommended circuit



(4) Wiring restrictions

◆Keep the length of the cable connecting to the circuit board of the indoor unit shorter than 10 meters (32ft).

- ◆ Longer than 10 meters (32ft) could cause improper operation.

- ◆Use a transit relay when extending wiring such as remote wiring.

10. HUMIDIFIER CONTROL

10-1. Control Specifications

The below table shows how the field installed humidifier and fan speed is controlled.

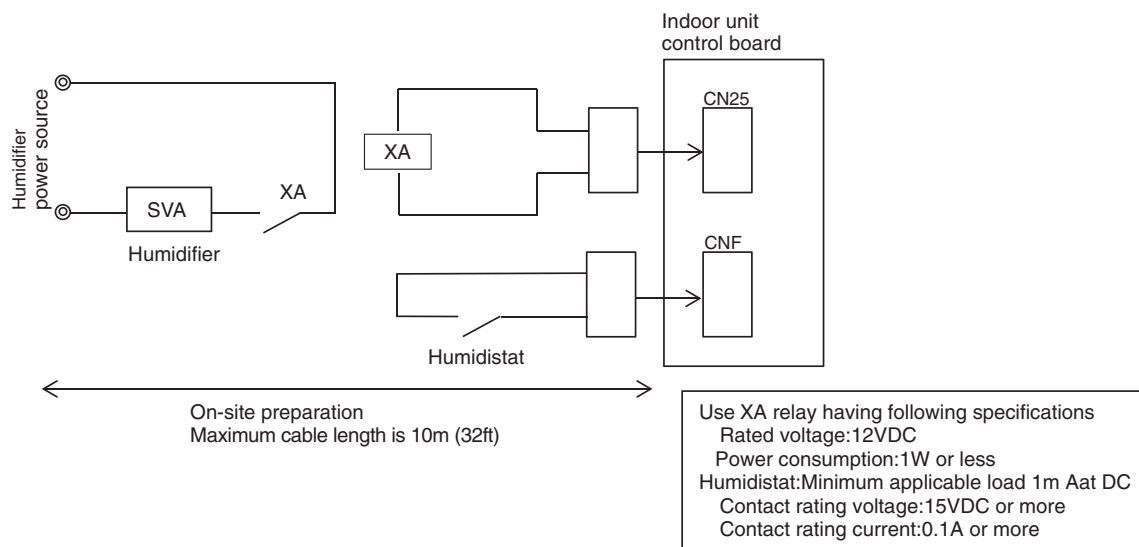
Mode (function) No.		Humidistat output	Condition (no defrost/no error)	CN25 output	Fan speed
Wired remote controller (RF thermostat)					
13 (113)	16 (116)	CNF input			
2	1	OFF	Heat operation & Thermo OFF	OFF	RC setting
			Heat operation & Thermo ON		
		ON	Heat operation & Thermo OFF	OFF	RC setting
			Heat operation & Thermo ON	ON	High
	2	OFF	Heat operation & Thermo OFF	OFF	RC setting
			Heat operation & Thermo ON		
		ON	Heat operation & Thermo OFF	ON	High
			Heat operation & Thermo ON		
1	—	—	Heat operation & Thermo OFF	OFF	RC setting
			Heat operation & Thermo ON	OFF	RC setting
—	—	—	Except for heat operation	OFF	RC setting

RC: Remote controller

The fan continues to run for 30 seconds after the humidifier stops.

10-2. Installation

A basic connection method is shown below.



11. ERV (ENERGY RECOVERY VENTILATION) CONTROL

11-1. Control Specifications

The below table show how the field installed ERV is controlled.

ERV output CNER input	Function Mode26	Condition	Fan speed	CN2C output (=Fan output)
OFF	—	Cool/Heat/Fan operation	RC setting	ON
		Defrost	STOP	OFF
		STOP	STOP	OFF
ON	"1" ^{*1}	Cool/Heat/Fan operation	RC setting	ON
		Defrost	STOP	OFF
		STOP	STOP	OFF
	"2"	Cool/Heat/Fan operation	RC setting	ON
		Defrost	STOP	OFF
		STOP	RC setting ^{*2, *3}	ON

^{*1} Factory setting.

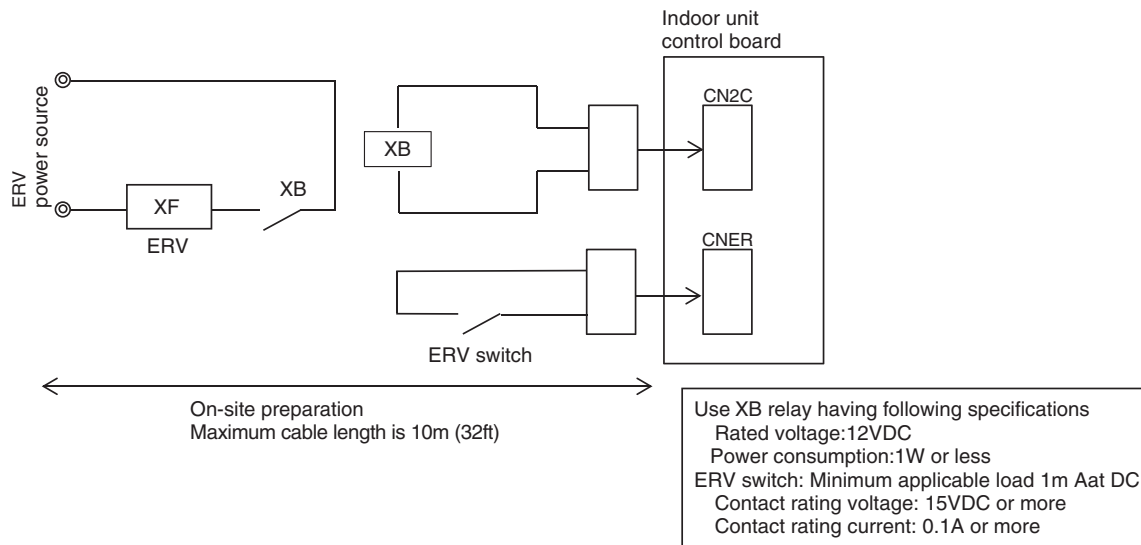
^{*2} When fan speed setting by RC is "Auto", Fan speed is fixed to "HIGH".

^{*3} If ERV control is effective when STOP, IDU doesn't report fan status or PB error (Fan motor error).

RC: Remote controller

11-2. Installation

A basic connection method is shown below.



12. TROUBLESHOOTING

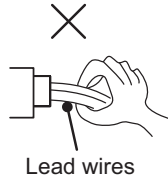
12-1. CAUTIONS ON TROUBLESHOOTING

(1) Before troubleshooting, check the followings:

- 1 Check the power supply voltage.
- 2 Check the indoor/outdoor connecting wire for mis-wiring.

(2) Take care the followings during servicing.

- 1 Before servicing the air conditioner, be sure to turn off the remote controller first to stop the main unit, and then turn off the breaker.
- 2 When removing the indoor controller board, hold the edge of the board with care NOT to apply stress on the components.
- 3 When connecting or disconnecting the connectors, hold the housing of the connector. DO NOT pull the lead wires.



12-2. SELF-CHECK FUNCTION

- Refer to the installation manual that comes with each remote controller for details.
- RF thermostat is not established.

[Output pattern A] Errors detected by indoor unit

IR wireless remote controller	Wired remote controller RF thermostat	Symptom	Remark
Beeper sounds/OPERATION INDICATOR lamp flashes (Number of times)	Check code		
1	P1	Intake sensor error	
2	P2, P9	Pipe (Liquid or 2-phase pipe) sensor error	
3	E6, E7	Indoor/outdoor unit communication error	
4	P4	Float switch connector open	
5	P5	Drain pump error	
6	P6	Freezing/Overheating safeguard operation	
7	EE	Communication error between indoor and outdoor units	
8	P8	Pipe temperature error	
9	E4, E5	Communication error between wired remote controller and indoor unit	
10	—	—	
11	—	—	
12	Fb	Indoor unit control system error (memory error, etc.)	
	FL	Refrigerant leakage	
	FH	Refrigerant sensor error	
14	PL	Refrigerant circuit abnormal	
No sound	E0, E3	Remote controller transmission error	
No sound	E1, E2	Remote controller control board error	
No sound	— —	No corresponding	

[Output pattern B] Errors detected by unit other than indoor unit (outdoor unit, etc.)

IR wireless remote controller	Wired remote controller RF thermostat	Symptom	Remark
Beeper sounds/OPERATION INDICATOR lamp flashes (Number of times)	Check code		
1	E9	Indoor/outdoor unit communication error (Transmitting error) (Outdoor unit)	For details, check the LED display of the outdoor controller board.
2	UP	Compressor overcurrent interruption	
3	U3, U4	Open/short of outdoor unit thermistors	
4	UF	Compressor overcurrent interruption (When compressor locked)	
5	U2	Abnormal high discharging temperature/49C worked/ insufficient refrigerant	
6	U1, Ud	Abnormal high pressure (63H worked)/ Overheating safeguard operation	
7	U5	Abnormal temperature of heat sink	
8	U8	Outdoor unit fan protection stop	
9	U6	Compressor overcurrent interruption/Abnormal of power module	
10	U7	Abnormality of super heat due to low discharge temperature	
11	U9, UH	Abnormality such as overvoltage or voltage shortage and abnormal synchronous signal to main circuit/Current sensor error	
12	—	—	
13	—	—	
14	Others	Other errors (Refer to the technical manual for the outdoor unit.)	
	FL	Refrigerant leakage or Refrigerant sensor error caused by other rooms	

***1 If the beeper does not sound again after the initial two beeps to confirm the self-check start signal was received and the OPERATION INDICATOR lamp does not come on, there are no error records.**

***2 If the beeper sounds three times continuously “beep, beep, beep (0.4 + 0.4 + 0.4 sec.)” after the initial two beeps to confirm the self-check start signal was received, the specified refrigerant address is incorrect.**

- On IR wireless remote controller
The continuous buzzer sounds from receiving section of indoor unit.
Blink of operation lamp
- On wired remote controller
Check code displayed on the LCD.

- If the unit cannot be operated properly after the test run has been performed, refer to the following table to remove the cause.

Symptom			Cause
Wired remote controller		LED 1, 2 (PCB in outdoor unit)	
PLEASE WAIT	For about 2 minutes following power-on	After LED 1, 2 are lighted, LED 2 is turned off, then only LED 1 is lighted. (Correct operation)	• For about 2 minutes after power-on, operation of the remote controller is not possible due to system start-up. (Correct operation)
PLEASE WAIT → Error code	After about 2 minutes has expired following power-on	Only LED 1 is lighted. → LED 1, 2 blink.	• Connector for the outdoor unit's protection device is not connected. • Reverse or open phase wiring for the outdoor unit's power terminal block (L1, L2, L3)
Display messages do not appear even when operation switch is turned ON (operation lamp does not light up).		Only LED 1 is lighted. → LED 1, 2 blinks twice, LED 2 blinks once.	• Incorrect wiring between indoor and outdoor units (incorrect polarity of S1, S2, S3) • Remote controller wire short

On the IR wireless remote controller with conditions above, following phenomena takes place.

- No signals from the remote controller are accepted.
- OPE lamp is blinking.
- The buzzer makes a short ping sound.

Note:

Operation is not possible for about 30 seconds after cancellation of function selection. (Correct operation)

For description of each LED (LED1, 2, 3) provided on the indoor controller, refer to the following table.

LED1 (power for microcomputer)	Indicates whether control power is supplied. Make sure that this LED is always lit.
LED2 (power for remote controller)	Indicates whether power is supplied to the remote controller. This LED lights only in the case of the indoor unit which is connected to the outdoor unit refrigerant address "0".
LED3 (communication between indoor and outdoor units)	Indicates state of communication between the indoor and outdoor units. Make sure that this LED is always blinking.

AUTO RESTART FUNCTION

Indoor controller board

This model is equipped with the AUTO RESTART FUNCTION.

When the indoor unit is controlled with the remote controller, the operation mode, set temperature, and the fan speed are memorized by the indoor controller board.

The auto restart function sets to work the moment the power has restored after power failure, then, the unit will restart automatically.

Set the AUTO RESTART FUNCTION using the wireless remote controller. (Mode no.1).

12-3. SELF-DIAGNOSIS ACTION TABLE

Note: Refer to the manual of outdoor unit for the details of display such as F, U, and other E.

Error Code	Abnormal point and detection method	Cause	Countermeasure
P1	Room temperature thermistor (TH1) 1. The unit is in three-minute resume prevention mode if short/open of thermistor is detected. Abnormal if the unit does not reset normally after three minutes. (The unit returns to normal operation, if it has normally reset.) 2. Constantly detected during cooling, drying and heating operation Short: 90°C[194°F] or more Open: -40°C[-40°F] or less	1. Defective thermistor characteristics 2. Contact failure of connector (CN20) on the indoor controller board (Insert failure) 3. Breaking of wire or contact failure of thermistor wiring 4. Defective indoor controller board	1-3. Check resistance value of thermistor. 0°C[32°F].....15.0kΩ 10°C[50°F].....9.6kΩ 20°C[68°F].....6.3kΩ 30°C[86°F].....4.3kΩ 40°C[104°F]...3.0kΩ If you put force on (draw or bend) the lead wire with measuring resistance value of thermistor breaking of wire or contact failure can be detected. 2. Check contact failure of connector (CN20) on the indoor controller board. Refer to 12-5. Turn the power on again and check restart after inserting connector again. 4. Check room temperature display on remote controller. Replace indoor controller board if there is abnormal difference with actual room temperature. Turn the power off, and on again to operate after check.
P2	Pipe temperature thermistor/Liquid (TH2) 1. The unit is in three-minute resume prevention mode if short/open of thermistor is detected. Abnormal if the unit does not reset normally after three minutes. (The unit returns to normal operation, if it has normally reset.) 2. Constantly detected during cooling, drying, and heating (except defrosting) operation. Short: 90°C[194°F] or more Open: -40°C[-40°F] or less	1. Defective thermistor characteristics 2. Contact failure of connector (CN44) on the indoor controller board (Insert failure) 3. Breaking of wire or contact failure of thermistor wiring 4. Defective refrigerant circuit is causing thermistor temperature of 90°C[194°F] or more or -40°C[-40°F] or less. 5. Defective indoor controller board	1-3. Check resistance value of thermistor. For characteristics, refer to (P1) above. 2. Check contact failure of connector (CN44) on the indoor controller board. Refer to 12-5. Turn the power on again and check restart after inserting connector again. 4. Check pipe <liquid> temperature with remote controller in test run mode. If pipe <liquid> temperature is extremely low (in cooling mode) or high (in heating mode), refrigerant circuit may have defective. 5. Check pipe <liquid> temperature with remote controller in test run mode. If there is extreme difference with actual pipe <liquid> temperature, replace indoor controller board. Turn the power off, and on again to operate after check.
P4 (5701)	Contact failure of drain float switch (CN4F) 1. Extract when the connector of drain float switch is disconnected. (3 and 4 of connector CN4F is not short-circuited.) 2. Constantly detected during operation.	1. Contact failure of connector (Insert failure) 2. Defective indoor controller board	1. Check contact failure of float switch connector. Turn the power on again and check after inserting connector again. 2. Operate with connector (CN4F) short-circuited. Replace indoor controller board if abnormality reappears.
P5	Drain overflow protection operation 1. Suspensive abnormality, if drain float switch is detected to be underwater for 1 minute and 30 seconds continuously with drain pump on. Turn off compressor and indoor fan. 2. Drain pump is abnormal if the condition above is detected during suspensive abnormality. 3. Constantly detected during drain pump operation.	1. Malfunction of drain pump 2. Defective drain Clogged drain pump Clogged drain pipe 3. Defective drain float switch Catch of drain float switch or malfunction of moving parts cause drain float switch to be detected under water (Switch On) 4. Defective indoor-controller board	1. Check if drain-up machine works. 2. Check drain function. 3. Remove drain float switch connector CN4F and check if it is short (Switch On) with the moving part of float switch UP, or OPEN with the moving part of float switch down. Replace float switch if it is short with the moving part of float switch down. 4. Replace indoor controller board if it is short-circuited between 3-4 of the drain float switch connector CN4F and abnormality reappears. It is not abnormal if there is no problem about the above-mentioned 1-4. Turn the power off, and on again to operate after check.

Error Code	Abnormal point and detection method	Cause	Countermeasure
P6	Freezing/overheating protection is working 1. Freezing protection (Cooling mode) The unit is in six-minute resume prevention mode if pipe <liquid or condenser/evaporator> temperature stays under -15°C[5°F] for three minutes after the compressor started. Abnormal if it stays under -15°C[5°F] for three minutes again within 16 minutes after six-minute resume prevention mode. 2. Overheating protection (Heating mode) The units is in six-minute resume prevention mode if pipe <Liquid or condenser / evaporator> temperature is detected as over 70°C[158°F] after the compressor started. Abnormal if the temperature of over 70°C[158°F] is detected again within 30 minutes after six-minute resume prevention mode.	(Cooling or drying mode) 1. Clogged filter (reduced airflow) 2. Short cycle of air path 3. Low-load (low temperature) operation beyond the tolerance range 4. Defective indoor fan motor • Fan motor is defective. • Indoor controller board is defective. 5. Defective outdoor fan control 6. Overcharge of refrigerant 7. Defective refrigerant circuit (clogs) (Heating mode) 1. Clogged filter (reduced airflow) 2. Short cycle of air path 3. Over-load (high temperature) operation beyond the tolerance range 4. Defective indoor fan motor • Fan motor is defective. • Indoor controller board is defective. 5. Defective outdoor fan control 6. Overcharge of refrigerant 7. Defective refrigerant circuit (clogs) 8. Bypass circuit of outdoor unit is defective.	(Cooling or drying mode) 1. Check clogging of the filter. 2. Remove shields. 4. Refer to 12-8. DC FAN MOTOR (FAN MOTOR/INDOOR CONTROLLER BOARD) 5. Check outdoor fan motor. 6. 7. Check operating condition of refrigerant circuit. (Heating mode) 1. Check clogs of the filter. 2. Remove shields. 4. Refer to 12-8. DC FAN MOTOR (FAN MOTOR/INDOOR CONTROLLER BOARD) 5. Check outdoor fan motor. 6~8. Check operating condition of refrigerant circuit.
P8	Pipe temperature <Cooling mode> Detected as abnormal when the pipe temperature is not in the cooling range 3 minutes after compressor start and 6 minutes after the liquid or condenser/evaporator pipe is out of cooling range. Note 1) It takes at least 9 minutes to detect. Note 2) Abnormality P8 is not detected in drying mode. Cooling range : -3 deg°C(-5.4deg°F) ≥ (TH-TH1) TH: Lower temperature between: liquid pipe temperature (TH2) and condenser/evaporator temperature (TH5) TH1: Intake temperature <Heating mode> When 10 seconds have passed after the compressor starts operation and the hot adjustment mode has finished, the unit is detected as abnormal when condenser/evaporator pipe temperature is not in heating range within 20 minutes. Note 3) It takes at least 27 minutes to detect abnormality. Note 4) It excludes the period of defrosting (Detection restarts when defrosting mode is over) Heating range : 3 deg°C(5.4deg°F) ≤ (TH5-TH1)	1. Slight temperature difference between indoor room temperature and pipe <liquid or condenser / evaporator> temperature thermistor • Shortage of refrigerant • Disconnected holder of pipe <liquid or condenser / evaporator> thermistor • Defective refrigerant circuit 2. Converse connection of extension pipe (on plural units connection) 3. Converse wiring of indoor/outdoor unit connecting wire (on plural units connection) 4. Defective detection of indoor room temperature and pipe <condenser / evaporator> temperature thermistor 5. Stop valve is not opened completely.	1~4. Check pipe <liquid or condenser / evaporator> temperature with room temperature display on remote controller and outdoor controller circuit board. Pipe <liquid or condenser / evaporator> temperature display is indicated by setting SW2 of outdoor controller circuit board. (Conduct temperature check with outdoor controller circuit board after connecting 'A-Control Service Tool (PAC-SK52ST)') 2. 3. Check converse connection of extension pipe or converse wiring of indoor/outdoor unit connecting wire.

Error Code	Abnormal point and detection method	Cause	Countermeasure
P9	Abnormality of pipe temperature thermistor / Condenser-Evaporator (TH5) 1. The unit is in three-minute resume protection mode if short/open of thermistor is detected. Abnormal if the unit does not get back to normal within three minutes. (The unit returns to normal operation, if it has normally reset.) 2. Constantly detected during cooling, drying, and heating operation (except defrosting) Short: 90°C[194°F] or more Open: -40°C[-40°F] or less	1. Defective thermistor characteristics 2. Contact failure of connector (CN44) on the indoor controller board (Insert failure) 3. Breaking of wire or contact failure of thermistor wiring 4. Temperature of thermistor is 90°C[194°F] or more or -40°C[-40°F] or less caused by defective refrigerant circuit. 5. Defective indoor controller board	1-3. Check resistance value of thermistor. For characteristics, refer to (P1) above. 2. Check contact failure of connector (CN44) on the indoor controller board. Refer to 12-5. Turn the power on and check restart after inserting connector again. 4. Operate in test run mode and check pipe <condenser / evaporator> temperature. If pipe <condenser / evaporator> temperature is extremely low (in cooling mode) or high (in heating mode), refrigerant circuit may have defect. 5. When no problems are found in 1-4 above, replace the indoor unit control board.
E0 or E4	Remote controller transmission error(E0)/signal receiving error(E4) 1. Abnormal if main or sub remote controller can not receive normally any transmission from indoor unit of refrigerant address "0" for three minutes. (Error code : E0) 2. Abnormal if sub remote controller could not receive for any signal for two minutes. (Error code: E0) 1. Abnormal if indoor controller board can not receive normally any data from remote controller board or from other indoor controller board for three minutes. (Error code: E4) 2. Indoor controller board cannot receive any signal from remote controller for two minutes. (Error code: E4)	1. Contact failure at transmission wire of remote controller 2. All remote controllers are set as "sub" remote controller. In this case, E0 is displayed on remote controller, and E4 is displayed at LED (LED1, LED2) on the outdoor controller circuit board. 3. Mis-wiring of remote controller 4. Defective transmitting receiving circuit of remote controller 5. Defective transmitting receiving circuit of indoor controller board of refrigerant address "0" 6. Noise has entered into the transmission wire of remote controller.	1. Check disconnection or looseness of indoor unit or transmission wire of remote controller. 2. Set one of the remote controllers "main". If there is no problem with the action above. 3. Check wiring of remote controller. • Total wiring length: max.500m (Do not use cable × 3 or more) • The number of connecting indoor units: max.16units • The number of connecting remote controller: max.2units When it is not the above-mentioned problem of 1~3 4. Diagnose remote controllers. a) When "RC OK" is displayed, Remote controllers have no problem. Turn the power off, and on again to check. If abnormality generates again, replace indoor controller board. b) When "RC NG" is displayed, Replace remote controller. c) When "RC E3" is displayed, d) When "ERC 00-06" is displayed, [c),d)→Noise may be causing abnormality.] * If the unit is not normal after replacing indoor controller board in group control, indoor controller board of address "0" may be abnormal.
E3 or E5	Remote controller transmission error(E3)/signal receiving error(E5) 1. Abnormal if remote controller could not find blank of transmission path for six seconds and could not transmit. (Error code: E3) 2. Remote controller receives transmitted data at the same time, compares the data, and when detecting it, judges different data to be abnormal 30 continuous times. (Error code: E3) 1. Abnormal if indoor controller board could not find blank of transmission path. (Error code: E5) 2. Indoor controller board receives transmitted data at the same time, compares the data, and when detecting it, judges different data to be abnormal 30 continuous times. (Error code: E5)	1. Two remote controllers are set as "main." (In case of 2 remote controllers) 2. Remote controller is connected with two indoor units or more. 3. Repetition of refrigerant address 4. Defective transmitting receiving circuit of remote controller 5. Defective transmitting receiving circuit of indoor controller board 6. Noise has entered into transmission wire of remote controller.	1. Set a remote controller to main, and the other to sub. 2. Remote controller is connected with only one indoor unit. 3. The address changes to a separate setting. 4~6. Diagnose remote controller. a) When "RC OK" is displayed, remote controllers have no problem. Turn the power off, and on again to check. When becoming abnormal again, replace indoor controller board. b) When "RC NG" is displayed, replace remote controller. c) When "RC E3" or "ERC 00-66" is displayed, noise may be causing abnormality.

Error Code	Abnormal point and detection method	Cause	Countermeasure
E6	Indoor/outdoor unit communication error (Signal receiving error) 1. Abnormal if indoor controller board cannot receive any signal normally for six minutes after turning the power on. 2. Abnormal if indoor controller board cannot receive any signal normally for three minutes. 3. Consider the unit as abnormal under the following condition: When two or more indoor units are connected to an outdoor unit, indoor controller board cannot receive a signal for three minutes from outdoor controller circuit board, a signal which allows outdoor controller circuit board to transmit signals.	1. Contact failure, short circuit or, mis-wiring (converse wiring) of indoor/outdoor unit connecting wire 2. Defective transmitting receiving circuit of indoor controller board 3. Defective transmitting receiving circuit of indoor controller board 4. Noise has entered into indoor/outdoor unit connecting wire.	* Check LED display on the outdoor control circuit board. (Connect A-control service tool, PAC-SK52ST.) Refer to EA-EC item of the service manual of outdoor unit if LED displays EA-EC. 1. Check disconnection or looseness of indoor/outdoor unit connecting wire of indoor unit or outdoor unit. Check all the units in case of twin triple indoor unit system. 2-4. Turn the power off, and on again to check. If abnormality generates again, replace indoor controller board or outdoor controller circuit board. * Other indoor controller board may have defect in case of twin triple indoor unit system.
E7	Indoor/outdoor unit communication error (Transmitting error) Abnormal if "1" receiving is detected 30 times continuously though indoor controller board has transmitted "0".	1. Defective transmitting receiving circuit of indoor controller board 2. Noise has entered into power supply. 3. Noise has entered into outdoor control wire.	1-3. Turn the power off, and on again to check. If abnormality generates again, replace indoor controller board.
Fb	Indoor controller board Abnormal if data cannot be read normally from the nonvolatile memory of the indoor controller board.	1. Defective indoor controller board	1. Replace indoor controller board.
FH	Refrigerant sensor error Abnormal if refrigerant sensor cannot detect errors normally.	1. The refrigerant sensor mounted on the indoor unit does not work. 2. The refrigerant sensor is not connected properly or the wire is broken.	• While the error is being displayed, the indoor unit fan continues operating. • Ventilate the room well, make sure that there is no ignition source, and then turn off the power. • Check the connection of some parts such as connectors and turn the power on again. When the error has not been cleared, replace the refrigerant sensor.
FL	Refrigerant leakage Abnormal if refrigerant leakage detected by a refrigerant sensor.	1. Refrigerant leaks from the piping or the heat exchanger in the indoor unit. 2. The following items are used around the indoor unit. • Spray (LP gas including Freon, and whose main ingredient is propane and butane) • Aerosol insecticide (including ethanol) • Air spray painting (including dichloromethane) • Charcoal (charcoal fire) • Chemicals (such as ethanol) 3. Refrigerant leaks from piping or heat exchangers, or sensor errors in indoor units in other rooms.	• While the error is being displayed, the indoor unit fan continues operating. • Ventilate the room well, make sure that there is no ignition source, and then turn off the power. • Check the indoor unit to detect the part where refrigerant leaks. • Repair the part where refrigerant leaks. • Turn on the power again. • Replace the refrigerant sensor if the problem is not fixed.
E1 or E2	Remote controller control board 1. Abnormal if data cannot be read normally from the nonvolatile memory of the remote controller control board. (Error code: E1) 2. Abnormal if the clock function of remote controller cannot be operated normally. (Error code: E2)	1. Defective remote controller	1. Replace remote controller.

Error Code	Abnormal point and detection method	Cause	Countermeasure
PA (2500)	Water leakage This detection is performed during the operation (stop, heating, fan, or error stop mode etc.) other than cooling and dry. 1. When a) and b) are found, water leakage occurs. a) Pipe <liquid> temperature - inlet temperature < -10°C for 30 minutes b) When drain float switch is detected to be soaked in the water for 15 minutes or more. * When drain float switch is detected to be NOT soaked in the water, each counting of a) and b) is cleared. <u>*When this error is detected, the error will not be reset until the main power is reset.</u>	1. Mis-piping of extension pipes (When connected with multiple units) 2. Mis-wiring of indoor/outdoor unit connecting wire (When connected with multiple units) 3. Detection failure of the indoor unit inlet/pipes <liquid> thermistor 4. Drain pump failure 5. Drainage failure • Clogged drain pump • Clogged drain pipe 6. Drain float switch failure • Drain float switch is detected to be soaked in the water (ON status) due to the operation failure of the moving parts. • Contact failure of drain float switch connector (Loose connector)	1. Check the extension pipes for mis-piping. 2. Check the Indoor/outdoor unit connecting wire for mis-wiring. 3. Check room temperature display on remote controller and indoor pipe <liquid> temperature. (Refer to the countermeasure on P2.) 4. Check if drain-up machine works. 5. Check drain function. 6. Check drain float switch. (Refer to the countermeasure on P4 and P5.)

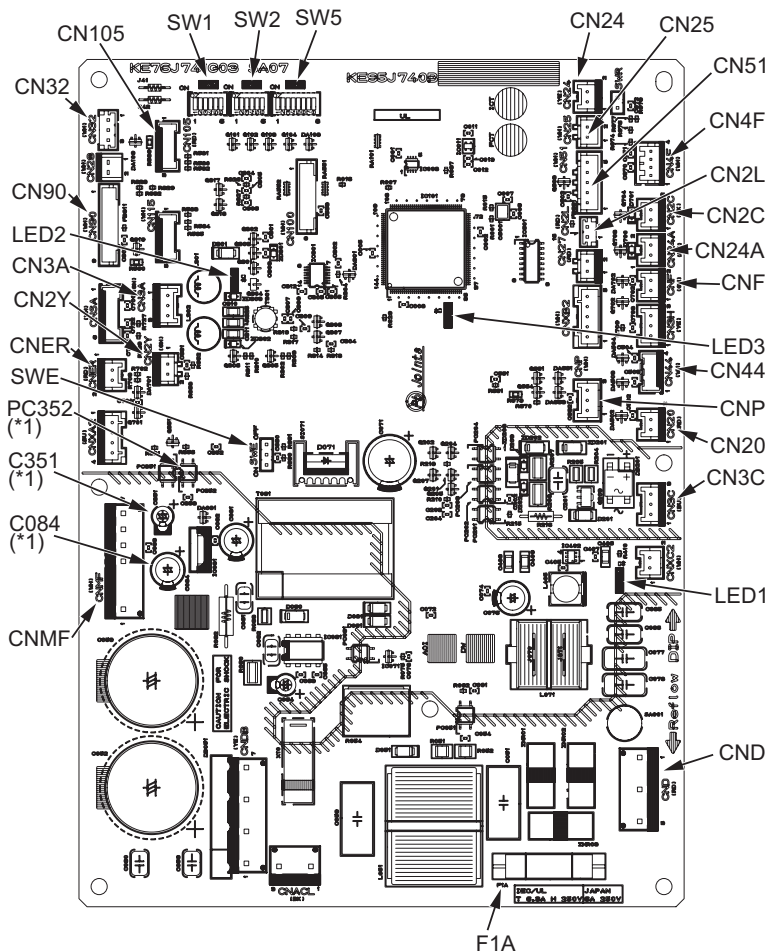
12-4. TROUBLESHOOTING BY INFERIOR PHENOMENA

Note: Refer to the manual of outdoor unit for the detail of remote controller.

Phenomena	Cause	Countermeasure
(1)LED2 on indoor controller board is off.	- When LED1 on indoor controller board is also off. - Power supply of rated voltage is not supplied to outdoor unit. - Defective outdoor controller circuit board - Power supply of 208~230V is not supplied to indoor unit. - Defective indoor controller board	- Check the voltage of outdoor power supply terminal block (L,N) or (L₃,N). - When AC 208~230V is not detected. Check the power wiring to outdoor unit and the breaker. - When AC 208~230V is detected. —Check 2 (below). - Check the voltage between outdoor terminal block S1 and S2. - When AC 208~230V is not detected. Check the fuse on outdoor controller circuit board. Check the wiring connection. - When AC 208~230V is detected. —Check 3 (below). - Check the voltage between indoor terminal block S1 and S2. - When AC 208~230V is not detected. Check indoor/outdoor unit connecting wire for mis-wiring. - When AC 208~230V is detected. —Check 4 (below). - Check the fuse on indoor controller board. Check the wiring connection. If no problem are found, indoor controller board is defective.
(2)LED2 on indoor controller board is blinking.	- When LED1 on indoor controller board is also blinking. Connection failure of indoor/outdoor unit connecting wire - When LED1 is lit. - Mis-wiring of remote controller wires Under twin triple indoor unit system, 2 or more indoor units are wired together. - Refrigerant address for outdoor unit is wrong or not set. Under grouping control system, there are some units whose refrigerant address is 0. - Short-cut of remote controller wires - Defective remote controller	Check indoor/outdoor unit connecting wire for connection failure. - Check the connection of remote controller wires in case of twin triple indoor unit system. When 2 or more indoor units are wired in one refrigerant system, connect remote controller wires to one of those units. - Check the setting of refrigerant address in case of grouping control system. If there are some units whose refrigerant addresses are 0 in one group, set one of the units to 0 using SW1 (3-6) on outdoor controller circuit board. 4. Remove remote controller wires and check LED2 on indoor controller board. - When LED2 is blinking, check the short-cut of remote controller wires. - When LED2 is lit, connect remote controller wires again and: if LED2 is blinking, remote controller is defective; if LED2 is lit, connection failure of remote controller terminal block etc. has returned to normal.

12-5. TEST POINT DIAGRAM

12-5-1. Indoor controller board



(*1)

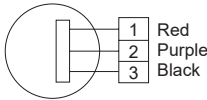
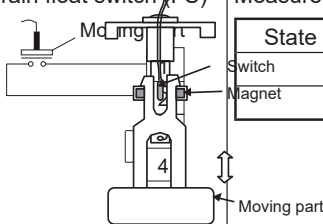
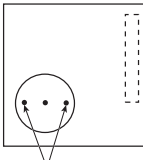
VFG Voltage on the (-) side of PC352 and C084
(Same with the voltage between 7 (+) and 4 (-) of CNMF)

VCC Voltage between the C084 pins 15 VDC
(Same with the voltage between 5 (+) and 4 (-) of CNMF)

Vsp Voltage between the C351 pins 0VDC (with the fan stopped)
1 - 6.5VDC (with the fan in operation)
(Same with the voltage between 6 (+) and 4 (-) of CNMF)

CND	Power supply voltage (208V – 230VAC)
CNMF	Fan motor output 1-4 : 294-325VDC 5-4 : 15VDC 6-4 : 0-6.5VDC 7-4 : STOP 0 or 15VDC Run 7.5VDC (0-15 pulse)
CNP	Drain-up mechanism output (13VDC (Between 1 and 3.))
SWE	Emergency operation
SW1	Model selection
SW2	Capacity setting
SW5	Mode selection
LED1	Power supply
LED2	Remote controller supply
LED3	Transmission indoor-outdoor
F1A	Fuse (250V / 6.3A)
CN105	Radio frequency interface
CN32	Remote start/stop adapter
CN3A	For MA remote controller cable connection (10 - 13 VDC (Between 1 and 3.))
CN51	Centralized control
CN44	Thermistor (liquid/condenser/ evaporator temperature)
CN4F	Float switch
CN20	Thermistor (Inlet temperature)
CN24	Heater control 1st (12VDC)
CN24A	Heater control 2nd (12VDC)
CN2Y	For fan control
CN2L	LOSSNAY
CN3C	Indoor-outdoor transmission (0 - 24 VDC)
CN90	Wireless remote controller
CNF	Humidity input
CN25	Humidity output
CNER	ERV input
CN2C	ERV output

12-6. TROUBLE CRITERION OF MAIN PARTS

Part name	Check method and criterion											
Room temperature thermistor (TH1)	Measure the resistance with a tester. (Part temperature 10°C (50°F) ~ 30°C (86°F)) <table><tr><td>Normal</td><td>Abnormal</td></tr><tr><td>4.3 kΩ~9.6 kΩ</td><td>Opened or short-circuited</td></tr></table>			Normal	Abnormal	4.3 kΩ~9.6 kΩ	Opened or short-circuited					
Normal				Abnormal								
4.3 kΩ~9.6 kΩ				Opened or short-circuited								
Pipe temperature thermistor/liquid (TH2)												
Condenser/evaporator temperature thermistor (TH5)												
Drain pump (DP) 	① Check if the drain float switch works properly. ② Check if the drain pump works and drains water properly in cooling operation. ③ If no water drains, confirm that the check code P5 will not be displayed 10 minutes after the operation starts. Note: The drain pump for this model is driven by the internal DC motor of controller board, so it is not possible to measure the resistance between the terminals. Normal Red–Black: Input 13 VDC → The motor starts to rotate. Purple–Black: Abnormal (check code P5) if it outputs 0–13 V square wave (5 pulses/rotation), and the number of rotation is not normal.											
Drain float switch (FS) 	Measure the resistance between the terminals with a tester. <table><tr><td>State of moving part</td><td>Normal</td><td>Abnormal</td></tr><tr><td>Switch UP</td><td>Short</td><td>Other than short</td></tr><tr><td>Magnet DOWN</td><td>Open</td><td>Other than open</td></tr></table>			State of moving part	Normal	Abnormal	Switch UP	Short	Other than short	Magnet DOWN	Open	Other than open
State of moving part	Normal	Abnormal										
Switch UP	Short	Other than short										
Magnet DOWN	Open	Other than open										
Refrigerant sensor	Measure the resistance between the terminals with a multimeter. <table><tr><td>Normal</td><td>Abnormal</td></tr><tr><td>Below 10 Ω</td><td>Open (10 Ω or more)</td></tr></table> After turning off the indoor unit breaker and leaving it for 5 minutes, measure the resistance value between the sensor terminals. < Back side of the sensor >  Measure the both sides of the sensor pin.			Normal	Abnormal	Below 10 Ω	Open (10 Ω or more)					
Normal	Abnormal											
Below 10 Ω	Open (10 Ω or more)											

12-7. Thermistor

<Thermistor Characteristic graph>

Thermistor for
lower temperature

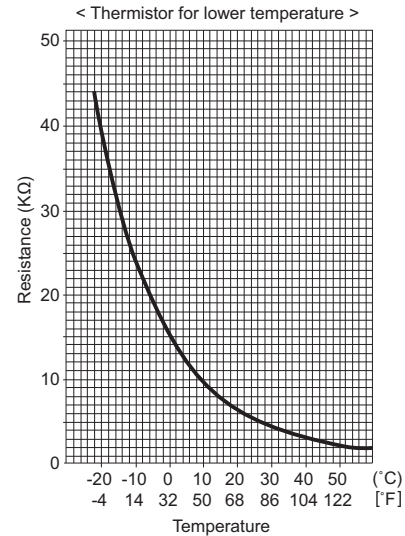
Room temperature thermistor (TH1)
Pipe temperature thermistor (TH2)
Condenser/evaporator temperature
thermistor (TH5)

Thermistor $R_0 = 15k\Omega \pm 3\%$

Fixed number of $B = 3480k\Omega \pm 2\%$

$$R_t = 15 \exp \left\{ 3480 \left(\frac{1}{273+t} - \frac{1}{273} \right) \right\}$$

0°C	(32°F)	15kΩ
10°C	(50°F)	9.6kΩ
20°C	(68°F)	6.3kΩ
25°C	(77°F)	5.2kΩ
30°C	(86°F)	4.3kΩ
40°C	(104°F)	3.0kΩ



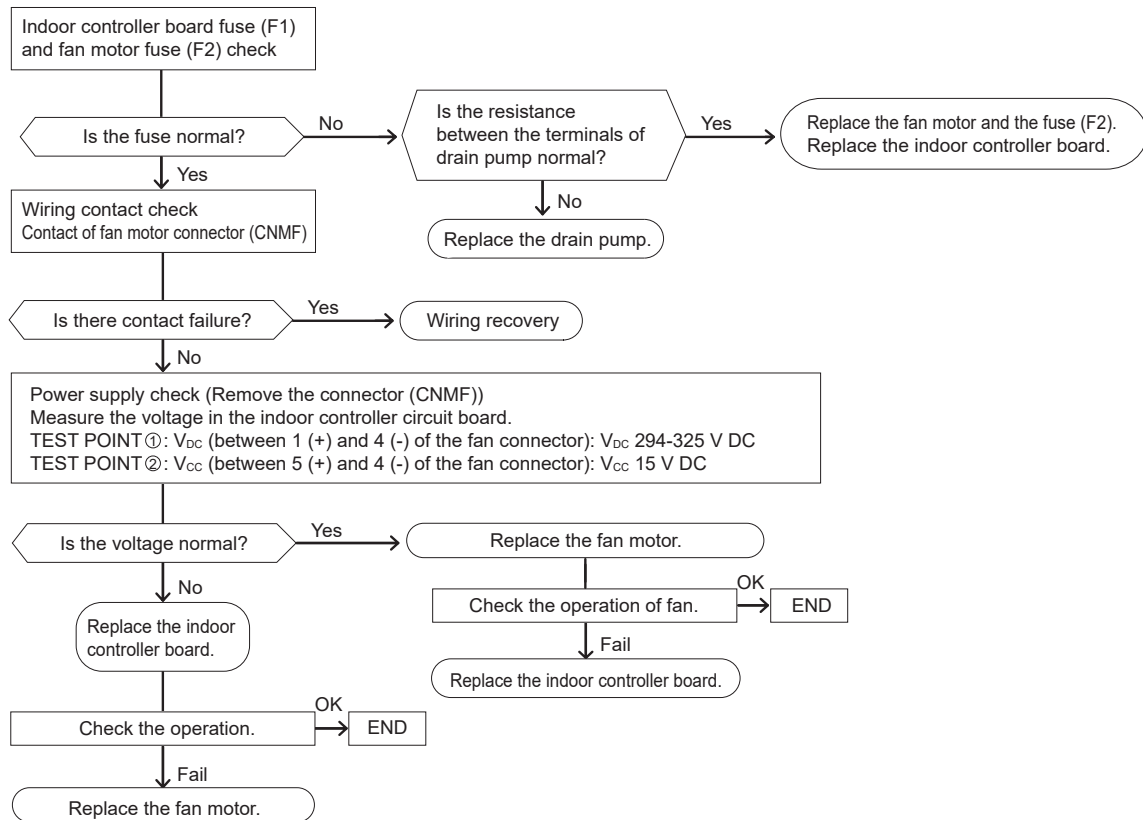
12-8. DC FAN MOTOR (FAN MOTOR/INDOOR CONTROLLER BOARD)

1. CAUTION

- A high voltage is applied to the connector for connection to the fan motor (CNMF).
- Do not unplug the connector CNMF with the unit energized to avoid damage to the indoor control board and fan motor.

2. Troubleshooting

- Symptom: Indoor unit fan does not run.



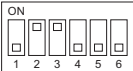
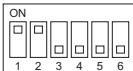
12-9. FUNCTIONS OF DIP SWITCH AND JUMPER WIRE

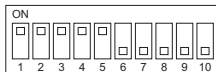
Each function is controlled by the dip switch and the jumper wire on control p.c. board.

SW1 and SW2 are equipped only for service parts.

Model setting and capacity setting are memorized in the nonvolatile memory of the control p.c. board of the unit.

(Marks in the table below) Jumper wire (○: Short ×: Open)

Jumper wire	Functions	Setting by the dip switch and jumper wire		Remarks																	
SW1	Model settings	For service board 																			
SW2	Capacity settings	MODELS	Service board																		
		PEAD-AA09NL																			
		PEAD-AA12NL																			
		PEAD-AA15NL																			
		PEAD-AA18NL																			
		PEAD-AA24NL																			
		PEAD-AA30NL																			
		PEAD-AA36NL																			
		PEAD-AA42NL																			
J41 J42	Pair number setting with wireless remote controller	<table><tr><th rowspan="2">Wireless remote controller setting</th><th colspan="2">Control PCB setting</th></tr><tr><th>J41</th><th>J42</th></tr><tr><td>0</td><td>○</td><td>○</td></tr><tr><td>1</td><td>×</td><td>○</td></tr><tr><td>2</td><td>○</td><td>×</td></tr><tr><td>3 ~ 9</td><td>×</td><td>×</td></tr></table>		Wireless remote controller setting	Control PCB setting		J41	J42	0	○	○	1	×	○	2	○	×	3 ~ 9	×	×	<Settings at time of factory shipment> Wireless remote controller: 0 Control PCB: ○ (for both J41 and J42) Four pair number settings are supported. The pair number settings of the wireless remote controller and indoor control PCB (J41/J42) are given in the table on the left. ('×' in the table indicates the jumper line is disconnected.)
Wireless remote controller setting	Control PCB setting																				
	J41	J42																			
0	○	○																			
1	×	○																			
2	○	×																			
3 ~ 9	×	×																			



The figure at left shows that the switches 1 through 5 are set to ON and 6 through 10 are set to OFF.

13. DISASSEMBLY PROCEDURE

Exercise caution when removing heavy parts.

1. Control box

1. Removing the control box cover
 - (1) Remove the three fixing screws on the cover (A) to remove it.
 - Tighten screws to a torque of 2.0 ± 0.2 N·m.

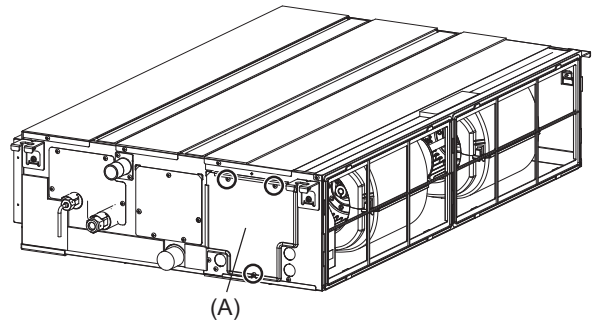


Fig. 1

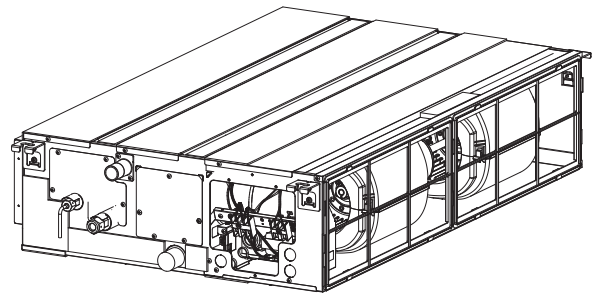


Fig. 2

2. Thermistor (Intake air)

1. Remove the control box cover according to the procedure in section 1.
 - (1) Pull out the thermistor holder (B) and thermistor (C) on the control box.

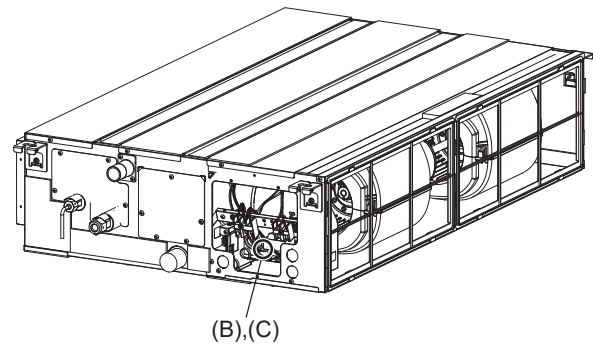
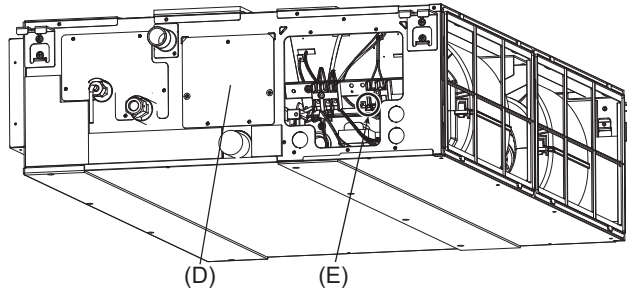


Fig. 3

Exercise caution when removing heavy parts.

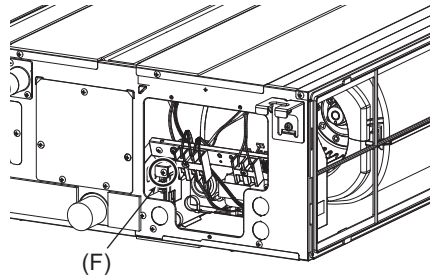
3. Drain pump

1. Remove the control box cover according to the procedure in section 1.
2. Remove the drain pump.
 - (1) Remove the drain pump from connector (E) in control box.
 - (2) Remove the cover (D) and the drain pump.

**Fig. 4**

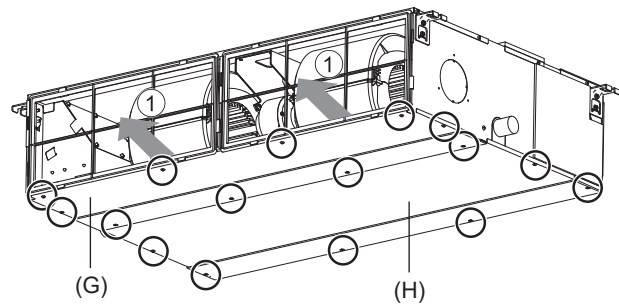
4. R454B sensor

1. Remove the control box cover according to the procedure in section 1.
2. Remove the R454B sensor.
 - (1) Remove the R454B sensor connector (CNSA) in control box.
 - (2) Remove the fixing screw (F) to remove R454B sensor.

**Fig. 5**

5. Drain pan

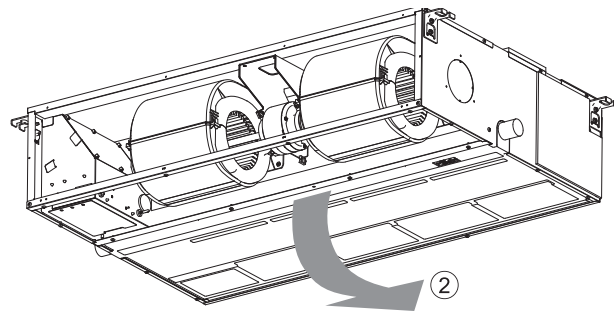
1. Removing the filter and the bottom plate
 - (1) Push up the tab on the filter, and pull out the filter in the direction of the arrow 1.
 - (2) Remove the fixing screws on the bottom plate (G), (H) to remove it.
 - Tighten screws to a torque of 1.4 ± 0.2 N·m.

**Fig. 6**

2. Removing the drain pan
 - (1) Pull out the drain pan in the direction of the arrow 2.

Note

- Drain the water out of the drain pan before removing it.

**Fig. 7**

Exercise caution when removing heavy parts.

6. Thermistor (Condenser/evaporator) (Liquid pipe)

1. Remove the drain pan according to the procedure in section 5.
2. Removing the Heat exchanger cover
 - (1) Remove the three fixing screws on the heat exchanger cover (J) to remove it.
 - Tighten screws to a torque of $1.4 \pm 0.2 \text{ N} \cdot \text{m}$.

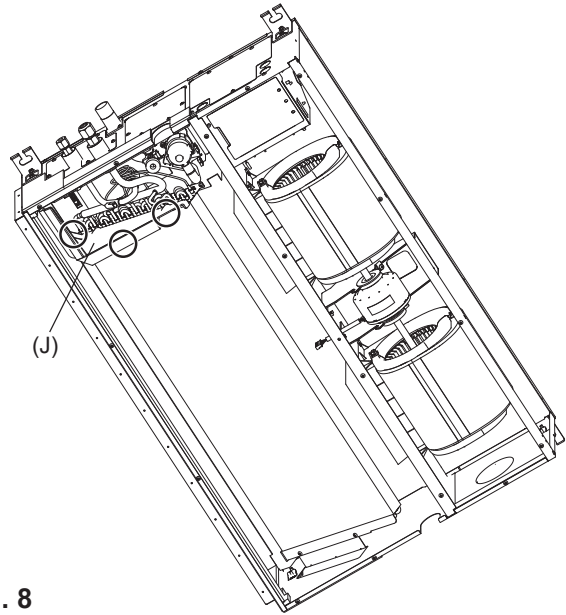


Fig. 8

3. Removing the thermistors
 - (1) Remove the thermistors (K) from the thermistor holders (L) on the copper tube.

Thermistor size

Liquid pipe: $\varnothing 8 \text{ mm}$

Condenser/evaporator: $\varnothing 6 \text{ mm}$

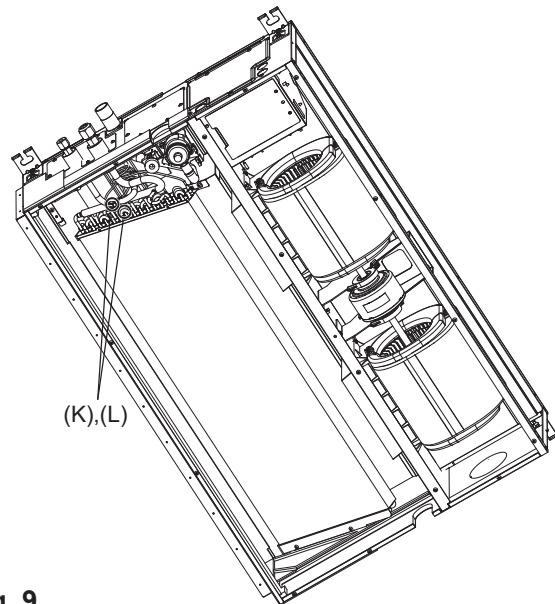


Fig. 9

7. Fan and fan motor

1. Removing the filter and the bottom plate

- (1) Push down the tab on the filter, and pull out the filter in the direction of the arrow 1.
- (2) Remove the fixing screws on the bottom plate (M) to remove it.
 - Tighten screws to a torque of $1.4 \pm 0.2 \text{ N}\cdot\text{m}$.

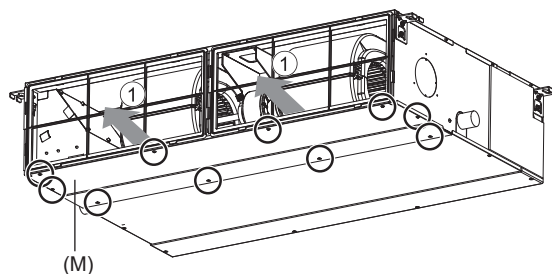


Fig. 10

2. Removing the fan casing (bottom half)

- (1) Squeeze the tabs (a) on the fan casing to remove it in the direction of arrow 2.

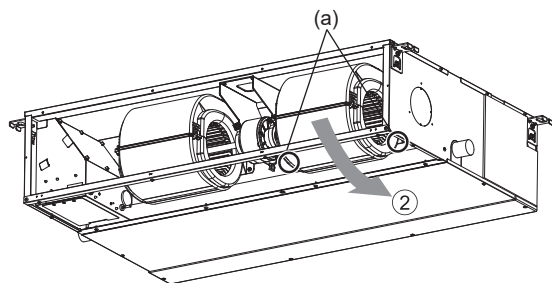


Fig. 11

3. Removing the motor cable

- (1) Remove the motor cable through the rubber bush.

4. Removing the fan motor and the Sirocco fan

- (1) Loosen either of the two rubber joint (N) fixing screws.
- (2) To remove the Sirocco fans (b) and (c) of PEAD-AA36, 42NL, loosen only the screw (d) on the bearing support (P), and remove the other screws on it.
- (3) Remove the two motor fixing screws to remove the motor and the Sirocco fan in the direction of arrow 3.
 - Tighten screws to a torque of $3.5 \pm 0.2 \text{ N}\cdot\text{m}$.

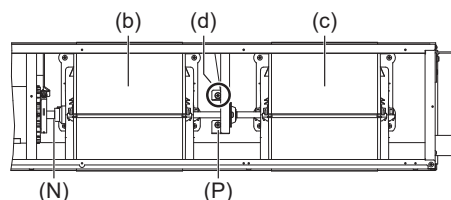


Fig. 12

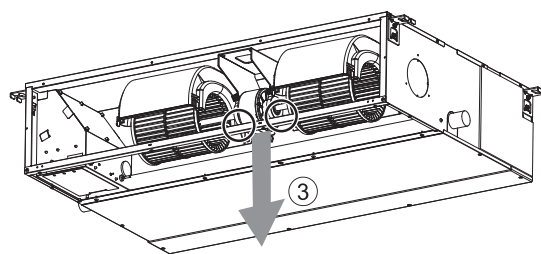


Fig. 13

- (4) Remove the four fan case fixing screws to take the top half of the fan casing off.
 - Tighten screws to a torque of $1.4 \pm 0.2 \text{ N}\cdot\text{m}$.

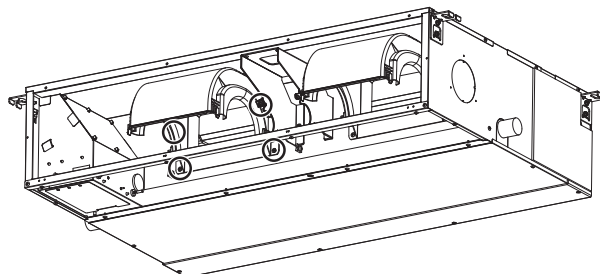
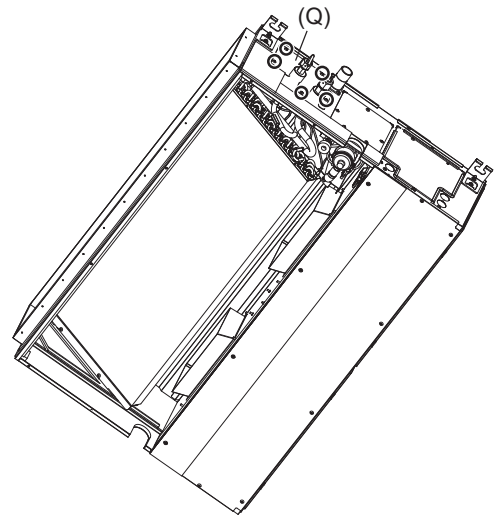


Fig. 14

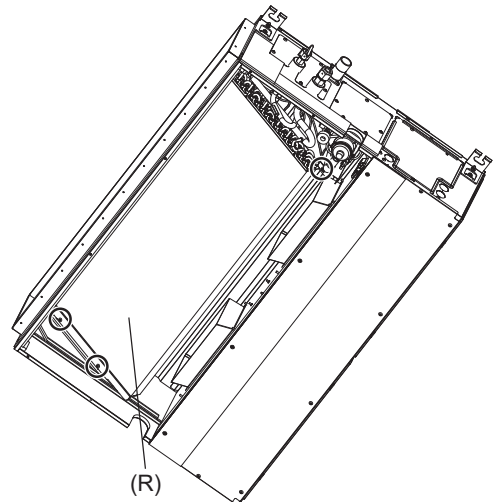
Exercise caution when removing heavy parts.

8. Heat exchanger

1. Remove the drain pan according to the procedure in section 5.
2. Remove the heat exchanger cover according to the procedure in section 6.2.
3. Removing the cover
 - (1) Remove the five fixing screws on the cover (Q) to remove it.
 - Tighten screws to a torque of 2.0 ± 0.2 N·m.

**Fig. 15**

4. Removing the Heat exchanger
 - (1) Remove the fixing screws on the heat exchanger (R) to remove it.
 - Tighten screws to a torque of 1.4 ± 0.2 N·m.

**Fig. 16**

14. INSPECTION AND MAINTENANCE

14-1. GUIDELINE FOR PREVENTIVE MAINTENANCE

The following maintenance intervals indicate the estimated intervals of parts replacement and repair to be required as a result of periodic inspections. They do not necessarily mean that replacement is required at the maintenance intervals. The maintenance intervals do not indicate the warranty period.

Parts	Inspection interval	Maintenance interval*
Motor (Fan, drain pump)	1 year	20,000 hours
Bearing		15,000 hours
Electrical box		25,000 hours
Heat exchanger		5 years
Electronic expansion valve		20,000 hours
Sensor (Thermistor, refrigerant sensor, etc)		5 years
Drain pan		8 years

- The table above shows the main parts. Check the maintenance contract for details.
- This maintenance interval is an estimated period until the day when the maintenance should be conducted to use the product safely for a long time.
Make use of the table above for maintenance planning (such as planning budget for maintenance inspection cost). Depending on the contents of the maintenance contract, the actual inspection and maintenance intervals may shorter than those in the table above.
- The maintenance and inspection items may differ depending on maintenance providers.
Please check with your maintenance provider when concluding a maintenance contract.

*The following usage conditions are assumed.

- Normal use without frequent START/STOPs (The number of START/STOPs is assumed to be less than 6 times per hour in normal use)
- Operating hours are assumed to be 10 hours per day/2500 hours per year.

When the equipment is used under the following conditions, the maintenance interval may be shortened.

- When equipment is used in an environment where temperature and humidity are high or change dramatically
- When equipment is used in an environment where power supply fluctuations (the distortion of voltage, frequency, and waveform) are large (only within the allowable range)
- When equipment is used in an environment where the equipment may receive vibration or mechanical shock
- When equipment is used in an environment where dust, salt, toxic gases such as sulfur dioxide and hydrogen sulfide, and oil mist are present
- When equipment starts/stops frequently and operates for long periods (24-hour air-conditioning operation)

14-2. RECOMMENDED PARTS INSPECTION INTERVAL

Parts	Inspection interval	Maintenance interval	Inspection items	Criteria	Measures
Long-life filter	1 year	5 years	Visual check for dirt or torn.	- Filter element is seen through. - No torn or deformation.	- Clean the filter if it is dirty. - Replace the filter if it is torn.
High-performance filter		1 year	- Check for clogging. - Check the appearance.	- No notable clogging in a short period of time. - No deformation or damage.	- Replace the filter if it is clogged. - Replace the filter if it is deformed or damaged. - Replace the filter periodically.
Smoothing capacitor		10 years	Check the appearance of electrolytic capacitors.	No liquid leakage, deformation, or sleeve (outer film) shrinkage.	Replace the electrolytic capacitor if there is leakage, deformation, or shrinkage of the sleeve (outer film).
Fuse		10 years	Check the appearance.	No deformation or discoloration.	Replace the fuse if the circuit is cut off.
Motor (Fan, drain pump)		20,000 hours	- Auditory check for operating sounds. - Measure the insulation resistance.	- No abnormal sounds. - Insulation resistance must be 1 MΩ or above.	Replace the fan motor if an insulation problem is found.
Bearing		15,000 hours	Fill oil periodically.	No abnormal sound.	Periodically replace the parts.
Electrical box		25,000 hours	- Check the insulation resistance of the circuit (500 V) - Check for loose terminals and connectors.	- Insulation resistance must be 1 MΩ or above. - No loose connections. - No accumulated foreign objects. - No error display.	- Clean with a brush if dust accumulation is found. - Replace the electrical part if the insulation resistance is 1 MΩ or below. - Tighten the loose terminals and reconnect the connectors.
Heat exchanger		5 years	Check for clogging, contamination, and damage.	No clogging, contamination, or damage.	Perform cleaning.
Electronic expansion valve		20,000 hours	Operation check using operation data.	Temperature must change in proportion to the valve position. (Check the temperature variation with the centralized controller.)	Replace the valve if the operation data show an operation failure due to valve problems.
Sensor (Thermistor, refrigerant sensor, etc)		5 years	- Check for breakage and deterioration of the cables, and for disconnection of the connectors. - Measure the insulation resistance.	- No breakage or deterioration of the cables or disconnected connectors. - Insulation resistance must be 1 MΩ or above.	Replace the sensor if the cable is broken, short-circuited, or severely deteriorated, or an insulation problem is found.
Drain pan		8 years	- Check for clogging and drain water flow. - Check for coating's peeling or separation.	- No drain clogging. - No abnormal rust or hole.	- Clean the drain pan and check that the drain pan is tilted properly. - Replace the drain pan depending on the repairing coating or conditions.

- The table above shows the main parts. Check the maintenance contract for details.
- This maintenance interval is an estimated period until the day when the maintenance should be conducted to use the product safely for a long time.
Make use of the table above for maintenance planning (such as planning budget for parts replacement cost).
- The inspection intervals depend on the usage and environment.
The inspection intervals do not indicate the warranty period.
- The maintenance and inspection items may differ depending on maintenance providers. Please check with your maintenance provider when concluding a maintenance contract.
- Repairs outside the warranty period will be charged, even if periodic inspections have been performed at the recommended intervals.

PEAD-AA09NL PEAD-AA12NL PEAD-AA15NL PEAD-AA18NL PEAD-AA24NL PEAD-AA30NL
 PEAD-AA36NL
 (SUZ-AA**NL Combination)

Model name		Indoor unit		PEAD-AA09NL	PEAD-AA12NL	PEAD-AA15NL	PEAD-AA18NL	PEAD-AA24NL	PEAD-AA30NL	PEAD-AA36NL	
Cooling	at 95°F *1	Outdoor unit		SUZ-AA09NL	SUZ-AA12NL	SUZ-AA15NL	SUZ-AA18NL	SUZ-AA24NL	SUZ-AA30NL	SUZ-AA36NL	
		Max. Capacity	Btu/h	9,000	12,000	15,000	18,000	24,000	27,000	33,000	
		Rated Capacity	Btu/h	9,000	12,000	15,000	18,000	24,000	27,000	33,000	
		Min. Capacity	Btu/h	1,900	3,100	3,600	5,500	9,100	9,500	9,900	
		Total Input	W	680	960	1,220	1,410	1,900	2,270	3,070	
		EER2	W/W	13.2	12.5	12.2	12.7	12.2	11.7	10.7	
		Moisture Removal	Pints/h	0.4	1.0	1.8	2.9	4.6	4.4	4.4	
		SHF		0.95	0.91	0.87	0.82	0.79	0.82	0.85	
		Power factor	%	85	94	97	95	95	95	95	
			Btu/h/W	18.8	19.7	18.8	17.2	21.2	20.3	19.4	
Heating	at 47°F *2	SEER2									
		Max. Capacity	Btu/h	13,000	15,000	20,900	23,500	28,200	31,400	36,000	
		Rated Capacity	Btu/h	12,000	15,000	18,000	20,000	25,000	30,000	34,000	
		Min. Capacity	Btu/h	4,800	5,000	4,300	8,300	8,200	8,400	8,600	
		Total Input	W	930	1,280	1,280	1,510	2,020	2,600	2,670	
		COP	W/W	3.7	3.4	4.1	3.8	3.6	3.3	3.7	
		Power factor	%	88	98	97	97	97	97	97	
		Rated Capacity	Btu/h	7,800	9,700	10,400	13,100	17,100	18,700	21,000	
		Total Input	W	770	1,060	1,040	1,250	1,620	1,980	2,110	
		COP	W/W	2.9	2.6	2.9	3.0	3.0	2.7	2.9	
HSPF2(IV/V)	Btu/h/W	11.5	9.7	9.7	10.4	10.0	9.5	9.3			
Power supply		Phase,Cycle,Voltage		1 phase, 60 Hz, 208/230 V							
		Breaker size		A		15		20		30	
voltage		Indoor - Outdoor S1-S2		AC208 V / 230 V							
		Indoor - Outdoor S2-S3		DC24 V							
		Indoor - Remote controller		DC12 V							
Indoor unit		MCA		A		2.13		2.50		2.25	
		MOCP		A				15		2.25	
		Fan Motor Output		W		121		121		121	
		Air flow		DRY (CFM)		265-283-318-353		353-388-424-494		403-424-512-600	
		(LoLo-Lo-Mid-Hi)		WET (CFM)		-		-		-	
		External Static Pressure		in. WG [Pa]		0.14-0.20-0.28-0.40-0.60 [35-50-70-100-150]					
		Sound Pressure Level (LoLo-Lo-Mid-Hi)		dB (A)		25-26-28-31		27-29-31-34		28-29-34-37	
		Dimensions		W: mm [inch]		900 [35-7/16]		900 [35-7/16]		900 [35-7/16]	
				D: mm [inch]				732 [28-7/8]		1100 [43-5/16]	
				H: mm [inch]				250 [9-7/8]		1100 [43-5/16]	
		Weight Unit		kg [lbs]		26 [58]		26 [58]		27 [60]	
		Field Drain pipe size		mm [inch]				32 [1-1/4]		30 [67]	
		Refrigerant pipe size Gas		mm [inch]		9.52 [3/8]		12.7 [1/2]		12.7 [1/2]	
		Refrigerant pipe size Liquid		mm [inch]		6.35 [1/4]		6.35 [1/4]		6.35 [1/4]	
Remote controller		Attached in Indoor Unit									
Outdoor unit		MCA		A		13		14		17	
		MOCP		A		22		23		29	
		SCCR		A				5		25	
		Inverter input		A		8.7		11.7		17.2	
		Fan Motor Output		W		55		50		50	
		Compressor		Model		SRB092FQFMC		SRB140FQHMC		SRB172FQHMT	
		Air flow (Cooling/Heating)		CFM		1229/1172		2193/1949		SRB220FQYMT	
		Refrigerant Control				Electronic Expansion Valve					
		Defrost Method				Reverse Cycle					
		Sound Pressure Level at cooling		dB (A)		48		49		54	
		Sound Pressure Level at heating		dB (A)		50		51		55	
		External Finish Color				Ivory Munsell 3Y 7.8/1.1					
		Dimension		W: mm [inch]		800 [31-8/16]		330 [33-2/16]		330 [33]	
				D: mm [inch]		285 [11-4/16]		880 [34-11/16]			
				H: mm [inch]		550 [21-11/16]					
		Weight Unit		kg [lbs]		40 [88.2]		60.33 [133]		61.24 [135]	
Refrigerant		Type				R454B					
		Charge		kg [lbs.oz]		0.9 [2]		1.02 [2.4]		1.35 [2.16]	
		Oil		Model				RM68EH		1.47 [3.4]	
				L [oz]		0.35 [11.8]		0.43 [14.5]		0.46 [15.6]	
Refrigerant pipe size		Gas side O.D.		mm [inch]		9.52 [3/8]		12.7 [1/2]		15.88 [5/8]	
		Liquid side O.D.		mm [inch]				6.35 [1/4]			
Refrigerant pipe length		Height difference		m [ft]		12 [40]		15 [50]		30 [100]	
		Length		m [ft]		20 [65]		30 [100]		30 [100]	
Refrigerant piping		Not Supplied									
Connection Method		Indoor/Outdoor				Flared					

NOTES :

*1 Rating conditions (cooling)-Indoor : D.B. 26.7°C (80°F), W.B. 19.4°C (67°F) Outdoor: D.B. 35°C (95°F), W.B. 23.9°C (75°F)

*2. Rating conditions (heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. 8.3°C (47°F), W.B. 6.1°C (43°F)

*3. Rating conditions (heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. -8.3°C (17°F), W.B. -9.4°C (15°F)

Operating range

		Indoor intake air temperature		Outdoor intake air temperature	
Cooling	Maximum	D.B. 35°C (95°F), W.B. 21.7°C (71°F)		D.B. 46°C (115°F)	
	Minimum	D.B. 19.4°C (67°F), W.B. 13.9°C (57°F)		D.B. -10°C (14°F)	
Heating	Maximum	D.B. 26.7°C (80°F), W.B. 19.4°C (67°F)		D.B. 24°C (75°F), W.B. 18°C (65°F)	
	Minimum	D.B. 21.1°C (70°F), W.B. 15.6°C (60°F)		D.B. -20°C (-4°F), W.B. -21°C (-5°F)	

PEAD-AA09NL PEAD-AA12NL PEAD-AA15NL PEAD-AA18NL
(SUZ-AANLHZ Combination)**

Model name		Indoor unit		PEAD-AA09NL	PEAD-AA12NL	PEAD-AA15NL	PEAD-AA18NL
		Outdoor unit		SUZ-AA09NLHZ	SUZ-AA12NLHZ	SUZ-AA15NLHZ	SUZ-AA18NLHZ
Cooling	at 95°F *1	Max. Capacity	Btu/h	9,000	12,000	15,000	18,000
		Rated Capacity	Btu/h	9,000	12,000	15,000	18,000
		Min. Capacity	Btu/h	5,300	5,500	5,900	5,500
		Total Input	W	750	880	1,150	1,410
		EER2	W/W	12.0	13.6	13.0	12.7
		Moisture Removal	Pints/h	0.6	1.3	1.7	2.9
		SHF		0.93	0.87	0.88	0.82
		Power factor	%	85	94	97	95
		SEER2	Btu/h/W	15.8	17.0	17.2	17.3
	Heating	at 47°F *2	Max. Capacity	Btu/h	14,700	18,000	20,400
Rated Capacity			Btu/h	12,000	15,000	18,000	20,000
Min. Capacity			Btu/h	7,700	7,900	8,300	8,300
Total Input			W	1,010	1,200	1,290	1,510
COP			W/W	3.4	3.6	4.0	3.8
Power factor			%	88	98	97	97
at 17°F *3		Rated Capacity	Btu/h	7,400	9,300	11,600	13,100
		Total Input	W	940	1,090	1,220	1,380
		COP	W/W	2.3	2.5	2.7	2.7
		HSPF2(IV/V)	Btu/h/W	9.1	9.5	10.2	10.0
Power supply	Phase,Cycle,Voltage		1 phase, 60 Hz, 208/230 V				
voltage	Breaker size	A	25	30			
	Indoor - Outdoor S1-S2	AC208 V / 230 V					
	Indoor - Outdoor S2-S3	DC24 V					
Indoor unit	Indoor - Remote controller		DC12 V				
	MCA	A	2.13	2.50	2.25	2.25	
	MOCP	A	15				
	Fan Motor Output	W	121	121	121	121	
	Air flow	DRY (CFM)	265-283-318-353	353-388-424-494	403-424-512-600	403-424-512-600	
	(LoLo-Lo-Mid-Hi)	WET (CFM)	-	-	-	-	
	External Static Pressure	in. WG [Pa]	0.14-0.20-0.28-0.40-0.60 [35-50-70-100-150]				
	Sound Pressure Level (LoLo-Lo-Mid-Hi)	dB(A)	25-26-28-31	27-29-31-34	28-29-34-37	28-29-34-37	
	Dimensions	W: mm [inch]	900 [35-7/16]	900 [35-7/16]	900 [35-7/16]	900 [35-7/16]	
		D: mm [inch]	732 [28-7/8]				
		H: mm [inch]	250 [9-7/8]				
	Weight Unit	kg [lbs]	26 [58]	26 [58]	27 [60]	27 [60]	
	Field Drain pipe size	mm [inch]	32 [1-1/4]				
	Refrigerant pipe size Gas	mm [inch]	9.52 [3/8]	12.7 [1/2]	12.7 [1/2]	12.7 [1/2]	
	Refrigerant pipe size Liquid	mm [inch]	6.35 [1/4]	6.35 [1/4]	6.35 [1/4]	6.35 [1/4]	
Remote controller		Attached in Indoor Unit					
Outdoor unit	MCA	A	24	25			
	MOCP	A	41	42			
	SCCR	A	5				
	Inverter input	A	17.2				
	Fan Motor Output	W	50				
	Compressor	Model	SRB172FQHMT				
	Air flow (Cooling/Heating)	CFM	2193/1949				
	Refrigerant Control		Electronic Expansion Valve				
	Defrost Method		Reverse Cycle				
	Sound Pressure Level at cooling	dB(A)	54				
	Sound Pressure Level at heating	dB(A)	55				
	External Finish Color		Ivory Munsell 3Y 7.8/1.1				
	Dimension	W: mm [inch]	330 [33-2/16]				
		D: mm [inch]	330 [13]				
		H: mm [inch]	880 [34-11/16]				
	Weight Unit	kg [lbs]	60.33 [133]				
	Refrigerant	Type	R454B				
Charge		kg [lbs.oz]	1.35 [2.16]				
Oil		Model	RM68EH				
		L [oz]	0.43 [14.5]				
Refrigerant pipe size	Gas side O.D.	mm [inch]	9.52 [3/8]	12.7 [1/2]			
	Liquid side O.D.	mm [inch]	6.35 [1/4]				
Refrigerant pipe length	Height difference	m [ft]	15 [50]				
	Length	m [ft]	30 [100]				
Refrigerant piping		Not Supplied					
Connection Method		Indoor/Outdoor	Flared				

NOTES :

*1. Rating conditions (cooling)-Indoor : D.B. 26.7°C (80°F), W.B. 19.4°C (67°F) Outdoor: D.B. 35°C (95°F), W.B. 23.9°C (75°F)

*2. Rating conditions (heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. 8.3°C (47°F), W.B. 6.1°C (43°F)

*3. Rating conditions (heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. -8.3°C (17°F), W.B. -9.4°C (15°F)

Operating range

		Indoor intake air temperature		Outdoor intake air temperature	
Cooling	Maximum	D.B. 35°C (95°F), W.B. 21.7°C (71°F)		D.B. 46°C (115°F)	
	Minimum	D.B. 19.4°C (67°F), W.B. 13.9°C (57°F)		D.B. -10°C (14°F)	
Heating	Maximum	D.B. 26.7°C (80°F), W.B. 19.4°C (67°F)		D.B. 24°C (75°F), W.B. 18°C (65°F)	
	Minimum	D.B. 21.1°C (70°F), W.B. 15.6°C (60°F)		D.B. -25°C (-13°F), W.B. -26°C (-14°F)	

PEAD-AA24NL PEAD-AA30NL PEAD-AA36NL
(SUZ-AKNLHZ Combination)**

Model name		Indoor unit		PEAD-AA24NL	PEAD-AA30NL	PEAD-AA36NL
Cooling	at 95°F *1	Outdoor unit		SUZ-AK24NLHZ	SUZ-AK30NLHZ	SUZ-AK36NLHZ
		Max. Capacity	Btu/h	24,800	30,800	37,000
		Rated Capacity	Btu/h	24,000	30,000	36,000
		Min. Capacity	Btu/h	12,700	12,200	14,600
		Total Input	W	1,950	2,420	2,910
		EER2	Btu/h/W	12.3	12.3	12.3
		Moisture Removal	Pints/h	8.2	6.9	11.8
		SHF		0.63	0.75	0.65
		Power factor	%	93	95	95
		SEER2		Btu/h/W	17.3	19.5
Heating	at 47°F *2	Max. Capacity	Btu/h	28,000	34,000	40,000
		Rated Capacity	Btu/h	25,000	32,000	38,000
		Min. Capacity	Btu/h	12,800	11,500	13,000
		Total Input	W	1,900	2,500	2,700
		COP	W/W	3.8	3.7	4.1
		Power factor	%	94	95	95
	at 17°F *3	Rated Capacity	Btu/h	17,000	21,800	24,400
		Total Input	W	2,000	2,400	2,800
		COP	W/W	2.4	2.6	2.5
		HSPF2(IV/V)	Btu/h/W	8.5 / 7.1	8.5 / 7.2	8.5 / 7.0
Power supply	Phase,Cycle,Voltage		1 phase, 60 Hz, 208/230 V			
voltage	Breaker size	A	25	30		
	Indoor - Outdoor S1-S2		AC208 V / 230 V			
	Indoor - Outdoor S2-S3		DC24 V			
	Indoor - Remote controller		DC12 V			
Indoor unit	MCA	A	2.25	2.25	3.50	
	MOCP	A	15			
	Fan Motor Output	W	121		300	
	Air flow (LoLo-Lo-Mid-Hi)	DRY (CFM)	512-565-636-742	618-671-742-883	848-936-1024-1201	
		WET (CFM)	512-565-636-742	618-671-742-883	848-936-1024-1201	
	External Static Pressure	in. WG [Pa]	0.14/0.20/0.28/0.40/0.60 [35/50/70/100/150]			
	Sound Pressure Level (LoLo-Lo-Mid-Hi)	0.14 inWG* [dB(A)]	26-26-28-30	29-29-31-33	33-33-35-37	
		0.14 inWG [dB(A)]	26-28-30-34	29-31-33-37	33-35-37-41	
	*Air flow down mode	0.20 inWG [dB(A)]	27-29-31-35	30-32-34-38	34-36-38-42	
		0.28 inWG [dB(A)]	28-30-33-37	31-33-35-39	35-37-39-43	
		0.40 inWG [dB(A)]	30-32-35-39	33-35-37-41	37-39-41-44	
		0.60 inWG [dB(A)]	33-35-38-42	35-37-39-43	39-41-43-47	
	Dimensions	W: mm [inch]	1100 [43-5/16]		1400 [55-1/8]	
		D: mm [inch]	732 [28-7/8]			
		H: mm [inch]	250 [9-7/8]			
	Weight Unit	kg [lbs]	30 [67]	37 [82]		
	Field Drain pipe size	mm [inch]	32 [1-1/4]			
	Refrigerant pipe size Gas	mm [inch]	9.52 [3/8]			
	Refrigerant pipe size Liquid	mm [inch]	15.88 [5/8]			
Remote controller		Attached in Indoor Unit				
Outdoor unit	MCA	A	24	29		
	MOCP	A	39	48		
	SCCR	kA	5			
	Inverter input	A	16	19		
	Fan Motor Output	W	74 × 2			
	Compressor	Model	MRK36FFGMC			
	Air flow(Cooling/Heating)	CFM	3,740			
	Refrigerant Control		Electronic Expansion Valve			
	Defrost Method		Reverse Cycle			
	Sound Pressure Level at cooling	dB(A)	52			
	Sound Pressure Level at heating	dB(A)	53			
	External Finish Color		Ivory Munsell 3Y 7.8/1.1			
	Dimension	W: mm [inch]	1050 [41-11/32]			
		D: mm [inch]	25 + 330 [63/64+12-63/64]			
		H: mm [inch]	1338 [52-43/64]			
	Weight Unit	kg [lbs]	105 (231)			
	Refrigerant	Type		R454B		
		Charge	kg [lbs,oz]	4.5 [9 lbs + 14 oz]		
		Oil	Model	RM68EH		
			L [oz]	1.4 [45]		
	Refrigerant pipe size	Gas side O.D.	mm [inch]	ø15.88 (5/8F)		
		Liquid side O.D.	mm [inch]	ø 9.52 (3/8F)		
	Refrigerant pipe length	Height difference	m [ft]	Max. 30 m [Max. 100 ft]		
Length		m [ft]	Max. 50 m [Max. 165 ft]	Max. 75 m [Max. 245 ft]		
Refrigerant piping		Not Supplied				
Connection Method		Indoor/Outdoor	Flared			

NOTES :

*1. Rating conditions (cooling)-Indoor : D.B. 26.7°C (80°F), W.B. 19.4°C (67°F) Outdoor: D.B. 35°C (95°F), W.B. 23.9°C (75°F)

*2. Rating conditions (heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. 8.3°C (47°F), W.B. 6.1°C (43°F)

*3. Rating conditions (heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. -8.3°C (17°F), W.B. -9.4°C (15°F)

Operating range

		Indoor intake air temperature		Outdoor intake air temperature	
Cooling	Maximum	D.B. 32°C (90°F), W.B. 23°C (73°F)		D.B. 46°C (115°F)	
	Minimum	D.B. 19°C (66°F), W.B. 15°C (59°F)		D.B. -5°C (23°F) D.B. -18°C (0°F) *4	
Heating	Maximum	D.B. 28°C (82°F)		D.B. 21.1°C (70°F), W.B. 15°C (59°F)	
	Minimum	D.B. 10°C (50°F)		D.B. -25°C (-13°F), W.B. -25°C (-13°F)	

*4. In case that the wind baffle is installed. (In case that the wind baffle is not installed, the minimum temperature will be -5°C (23°F) DB.)

PEAD-AA12NL PEAD-AA18NL PEAD-AA24NL PEAD-AA30NL
(PUZ-AK-AHNL Combination)**

Model name			PEAD-AA12NL	PEAD-AA18NL	PEAD-AA24NL	PEAD-AA30NL	
Cooling	at 95°F *1	Indoor unit	PUZ-AK12NL	PUZ-AK18NL	PUZ-AH24NL	PUZ-AH30NL	
		Outdoor unit					
		Max. Capacity	Btu/h	12,400	18,500	24,000	30,000
		Rated Capacity	Btu/h	12,000	18,000	21,200	27,000
		Min. Capacity	Btu/h	4,400	4,700	9,900	9,800
		Total Input	W	830	1,530	1,760	2,720
		EER2	Btu/h/W	14.4	11.7	12.0	9.9
		Moisture Removal	Pints/h	3.0	5.9	2.9	9.7
		SHF		0.73	0.65	0.85	0.61
		Power factor	%	82	92	93	95
		SEER2	Btu/h/W	20.0	20.1	19.6	18.2
	Heating	at 47°F *2	Max. Capacity	Btu/h	18,000	22,000	31,400
Rated Capacity			Btu/h	14,000	19,000	26,000	30,800
Min. Capacity			Btu/h	4,200	4,200	8,300	8,300
Total Input			W	1,020	1,540	2,160	2,600
COP			W/W	4.0	3.6	3.5	3.4
Power factor			%	94	95	95	96
at 17°F *3		Rated Capacity	Btu/h	9,200	11,600	15,300	18,000
		Total Input	W	1,000	1,380	1,680	2,000
		COP	W/W	2.6	2.4	2.6	2.6
		HSPF2(IV/V)	Btu/h/W	9.5 / 7.6	8.8 / 7.1	9.1 / 7.4	9.1 / 7.4
		Power supply	Phase,Cycle,Voltage		1 phase, 60 Hz, 208/230 V		
voltage	Breaker size	A	20	25			
	Indoor - Outdoor S1-S2	AC208 V / 230 V					
	Indoor - Outdoor S2-S3	DC24 V					
	Indoor - Remote controller	DC12 V					
Indoor unit	MCA	A	2.50	2.25	2.25	2.25	
	MOCP	A					
	Fan Motor Output	W		15			
	Air flow	DRY (CFM)	353-388-424-494	403-424-512-600	512-565-636-742	618-671-742-883	
	(LoLo-Lo-Mid-Hi)	WET (CFM)	353-388-424-494	403-424-512-600	512-565-636-742	618-671-742-883	
	External Static Pressure	in. WG [Pa]	0.14/0.2/0.28/0.4/0.6 [35/50/70/100/150]				
	Sound Pressure Level (LoLo-Lo-Mid-Hi)	0.14 inWG* [dB(A)]	25-25-27-29	27-27-28-33	26-26-28-30	29-29-31-33	
	*Air flow down mode	0.14 inWG [dB(A)]	25-27-29-33	27-28-33-36	26-28-30-34	29-31-33-37	
		0.20 inWG [dB(A)]	27-29-31-34	28-29-34-37	27-29-31-35	30-32-34-38	
		0.28 inWG [dB(A)]	28-30-32-36	30-32-35-39	28-30-33-37	31-33-35-39	
		0.40 inWG [dB(A)]	31-33-35-39	32-33-37-41	30-32-35-39	33-35-37-41	
		0.60 inWG [dB(A)]	33-36-38-42	34-35-40-44	33-35-38-42	35-37-39-43	
		Dimensions	W: mm [inch]	900 [35-7/16]		1100 [43-5/16]	
		D: mm [inch]		732 [28-7/8]			
		H: mm [inch]		250 [9-7/8]			
	Weight Unit	kg [lbs]	26 [58]	27 [60]	30 [67]		
	Field Drain pipe size	mm [inch]	32 [1-1/4]				
Refrigerant pipe size Gas	mm [inch]	6.35 [1/4]		9.52 [3/8]			
Refrigerant pipe size Liquid	mm [inch]	12.7 [1/2]		15.88 [5/8]			
Remote controller	Attached in Indoor Unit						
Outdoor unit	MCA	A	16		22		
	MOCP	A	27		37		
	SCCR	kA		5			
	Inverter input	A	12		18		
	Fan Motor Output	W	51 × 1		74 × 1		
	Compressor	Model	SRB140FQHMC-L1		SRB172FQHMC-L1		
	Air flow (Cooling/Heating)	CFM	1,590		1,940		
	Refrigerant Control	Electronic Expansion Valve					
	Defrost Method	Reverse Cycle					
	Sound Pressure Level at cooling	dB (A)	44		49		
	Sound Pressure Level at heating	dB (A)	46		52		
	External Finish Color	Ivory Munsell 3Y 7.8/1.1					
	Dimension	W: mm [inch]	809 + 62 [31-13/16+2-7/16]		950 [37-13/32]		
		D: mm [inch]	300 [11-13/16]		330 + 25 [13 + 63/64]		
		H: mm [inch]	630 [24-13/16]		943 [37-1/8]		
		Weight Unit	kg [lbs]	45 [99]		70 [155]	
	Refrigerant	Type	R454B				
Charge		kg [lbs,oz]	2.0 [4 lbs + 6 oz]		3.5 [7 lbs + 11 oz]		
Oil		Model		RM68EH			
Refrigerant pipe size		L [oz]	0.5 [16]		0.7 [23]		
	Gas side O.D.	mm [inch]	ø12.7 [1/2F]		ø15.88 [5/8F]		
	Liquid side O.D.	mm [inch]	ø6.35 [1/4F]		ø9.52 [3/8F]		
Refrigerant pipe length	Height difference	m [ft]	Max. 30 m [Max. 100 ft]				
	Length	m [ft]	Max. 30 m [Max. 100 ft]				
Refrigerant piping	Not Supplied						
Connection Method	Indoor/Outdoor	Flared					

NOTES :

*1. Rating conditions (cooling)-Indoor : D.B. 26.7°C (80°F), W.B. 19.4°C (67°F) Outdoor: D.B. 35°C (95°F), W.B. 23.9°C (75°F)

*2. Rating conditions (heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. 8.3°C (47°F), W.B. 6.1°C (43°F)

*3. Rating conditions (heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. -8.3°C (17°F), W.B. -9.4°C (15°F)

Operating range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 32°C (90°F), W.B. 23°C (73°F)	D.B. 46°C (115°F)
	Minimum	D.B. 19°C (66°F), W.B. 15°C (59°F)	D.B. -5°C (23°F) / -18°C (0°F) *4
Heating	Maximum	D.B. 28°C (82°F)	D.B. 21°C (70°F), W.B. 15°C (59°F)
	Minimum	D.B. 10°C (50°F)	D.B. -20°C (-4°F), W.B. -20°C (-4°F)

*4. In case that the wind baffle is installed. (In case that the wind baffle is not installed, the minimum temperature will be -5°C (23°F) DB.)

PEAD-AA12NL PEAD-AA18NL PEAD-AA24NL PEAD-AA30NL
(PUY-AK-AHNL Combination)**

Model name			Indoor unit		PEAD-AA12NL	PEAD-AA18NL	PEAD-AA24NL	PEAD-AA30NL
Cooling	at 95°F *1	Outdoor unit		PUY-AK12NL	PUY-AK18NL	PUY-AH24NL	PUY-AH30NL	
		Max. Capacity	Btu/h	12,400	18,500	24,000	30,000	
		Rated Capacity	Btu/h	12,000	18,000	21,200	27,000	
		Min. Capacity	Btu/h	4,400	4,700	9,900	9,800	
		Total Input	W	830	1,530	1,760	2,720	
		EER2	Btu/h/W	14.4	11.7	12.0	9.9	
		Moisture Removal	Pints/h	3.0	5.9	2.9	9.7	
		SHF		0.73	0.65	0.85	0.61	
		Power factor	%	82	92	93	95	
	SEER2	Btu/h/W	20.0	20.1	19.6	18.2		
Power supply		Phase, Cycle, Voltage		1 phase, 60 Hz, 208/230 V				
voltage	Breaker size		A		20		25	
	Indoor - Outdoor S1-S2		AC208 V / 230 V					
	Indoor - Outdoor S2-S3		DC24 V					
	Indoor - Remote controller		DC12 V					
Indoor unit	MCA	A	2.50	2.25	2.25	2.25		
	MOCP	A	15					
	Fan Motor Output	W	121					
	Air flow (LoLo-Lo-Mid-Hi)	DRY (CFM)	353-388-424-494	403-424-512-600	512-565-636-742	618-671-742-883		
		WET (CFM)	353-388-424-494	403-424-512-600	512-565-636-742	618-671-742-883		
	External Static Pressure	in. WG [Pa]	0.14/0.2/0.28/0.4/0.6 [35/50/70/100/150]					
	Sound Pressure Level (LoLo-Lo-Mid-Hi) *Air flow down mode	0.14 inWG* [dB(A)]	25-25-27-29	27-27-28-33	26-26-28-30	29-29-31-33		
		0.14 inWG [dB(A)]	25-27-29-33	27-28-33-36	26-28-30-34	29-31-33-37		
		0.20 inWG [dB(A)]	27-29-31-34	28-29-34-37	27-29-31-35	30-32-34-38		
		0.28 inWG [dB(A)]	28-30-32-36	30-32-35-39	28-30-33-37	31-33-35-39		
		0.40 inWG [dB(A)]	31-33-35-39	32-33-37-41	30-32-35-39	33-35-37-41		
		0.60 inWG [dB(A)]	33-36-38-42	34-35-40-44	33-35-38-42	35-37-39-43		
	Dimensions	W: mm [inch]	900 [35-7/16]		1100 [43-5/16]			
		D: mm [inch]	732 [28-7/8]					
		H: mm [inch]	250 [9-7/8]					
	Weight Unit	kg [lbs]	26 [58]	27 [60]	30 [67]			
	Field Drain pipe size	mm [inch]	32 [1-1/4]					
	Refrigerant pipe size Gas	mm [inch]	6.35 [1/4]		9.52 [3/8]			
	Refrigerant pipe size Liquid	mm [inch]	12.7 [1/2]		15.88 [5/8]			
Remote controller			Attached in Indoor Unit					
Outdoor unit	MCA	A	16		22			
	MOCP	A	27		37			
	SCCR	kA		5				
	Inverter input	A	12		18			
	Fan Motor Output	W	51 × 1		74 × 1			
	Compressor	Model	SRB140FQHMC-L1		SRB172FQHMC-L1			
	Air flow (Cooling/Heating)	CFM	1,590		1,940			
	Refrigerant Control		Electronic Expansion Valve					
	Defrost Method		Reverse Cycle					
	Sound Pressure Level at cooling	dB (A)	44		49			
	Sound Pressure Level at heating	dB (A)	46		52			
	External Finish Color		Ivory Munsell 3Y 7.8/1.1					
	Dimension	W: mm [inch]	809 + 62 [31-13/16+2-7/16]		950 [37-13/32]			
		D: mm [inch]	300 [11-13/16]		330 + 25 [13 + 63/64]			
		H: mm [inch]	630 [24-13/16]		943 [37-1/8]			
	Weight Unit	kg [lbs]	45 [99]		70 [155]			
	Refrigerant	Type	R454B					
		Charge	kg [lbs.oz]	2.0 [4 lbs + 6 oz]	3.5 [7 lbs + 11 oz]			
		Oil	Model	RM68EH				
Refrigerant pipe size	Gas side O.D.	mm [inch]	0.5 [16] ø12.7 [1/2F]	0.7 [23] ø15.88 [5/8F]				
	Liquid side O.D.	mm [inch]	ø6.35 [1/4F]	ø9.52 [3/8F]				
Refrigerant pipe length	Height difference	m [ft]	Max. 30 m [Max. 100 ft]					
	Length	m [ft]	Max. 50 m [Max. 165 ft]	Max. 69m [Max. 225 ft]				
Refrigerant piping			Not Supplied					
Connection Method			Indoor/Outdoor					
			Flared					

NOTES :

*1. Rating conditions (cooling)-Indoor : D.B. 26.7°C (80°F), W.B. 19.4°C (67°F) Outdoor: D.B. 35°C (95°F), W.B. 23.9°C (75°F)

Operating range

		Indoor intake air temperature		Outdoor intake air temperature	
Cooling	Maximum	D.B. 32°C (90°F), W.B. 23°C (73°F)		D.B. 46°C (115°F)	
	Minimum	D.B. 19°C (66°F), W.B. 15°C (59°F)		D.B. -5°C (23°F) / -28.9°C (-20°F) *2	

*2. In case that the wind baffle is installed. (In case that the wind baffle is not installed, the minimum temperature will be -5°C (23°F) DB.)

PEAD-AA36NL PEAD-AA42NL
(PUZ-AKNL Combination)**

Model name		Indoor unit		PEAD-AA36NL		PEAD-AA42NL	
Cooling	at 95°F *1	Outdoor unit		PUZ-AK36NL		PUZ-AK42NL	
		Max. Capacity	Btu/h	37,000	44,000		
		Rated Capacity	Btu/h	36,000	42,000		
		Min. Capacity	Btu/h	13,500	14,200		
		Total Input	W	2,860	3,760		
		EER2	Btu/h/W	12.5	11.1		
		Moisture Removal	Pints/h	11.8	10.8		
		SHF		0.65	0.72		
		Power factor	%	95	95		
	SEER2		Btu/h/W	20.1	18.7		
Heating	at 47°F *2	Max. Capacity	Btu/h	40,000	49,700		
		Rated Capacity	Btu/h	38,000	45,000		
		Min. Capacity	Btu/h	13,200	13,300		
		Total Input	W	2,610	3,400		
		COP	W/W	4.2	3.8		
		Power factor	%	95	95		
	at 17°F *3	Rated Capacity	Btu/h	23,400	29,600		
		Total Input	W	2,400	3,200		
		COP	W/W	2.8	2.7		
		HSPF2(IV/V)	Btu/h/W	9.2 / 7.5	9.3 / 7.7		
Power supply		Phase,Cycle,Voltage		1 phase, 60 Hz, 208/230 V			
Breaker size		A		35			
voltage	Indoor - Outdoor S1-S2		AC208 V / 230 V				
	Indoor - Outdoor S2-S3		DC24 V				
	Indoor - Remote controller		DC12 V				
Indoor unit	MCA		A	3.50	4.25		
	MOCP		A	15			
	Fan Motor Output		W	300			
	Air flow (LoLo-Lo-Mid-Hi)	DRY (CFM)		848-936-1024-1201	1042-1148-1254-1483		
		WET (CFM)		848-936-1024-1201	1042-1148-1254-1483		
	External Static Pressure		in. WG [Pa]	0.14/0.20/0.28/0.40/0.60 [35/50/70/100/150]			
	Sound Pressure Level (LoLo-Lo-Mid-Hi) *Air flow down mode	0.14 inWG* [dB(A)]		33-33-35-37	37-37-39-41		
		0.14 inWG [dB(A)]		33-35-37-41	37-39-41-45		
		0.20 inWG [dB(A)]		34-36-38-42	37-39-41-45		
		0.28 inWG [dB(A)]		35-37-39-43	38-41-42-47		
		0.40 inWG [dB(A)]		37-39-41-44	40-42-44-48		
		0.60 inWG [dB(A)]		39-41-43-47	42-44-46-50		
	Dimensions	W: mm [inch]		1400 [55-1/8]			
		D: mm [inch]		732 [28-7/8]			
		H: mm [inch]		250 [9-7/8]			
	Weight Unit		kg [lbs]	37 [82]	39 [86]		
	Field Drain pipe size		mm [inch]	32 [1-1/4]			
Refrigerant pipe size Gas		mm [inch]	9.52 [3/8]				
Refrigerant pipe size Liquid		mm [inch]	15.88 [5/8]				
Remote controller				Attached in Indoor Unit			
Outdoor unit	MCA		A	34			
	MOCP		A	56			
	SCCR		kA	5			
	Inverter input		A	23			
	Fan Motor Output		W	74 × 2			
	Compressor		Model	MRB36FEGMC			
	Air flow(Cooling/Heating)		CFM	3,910			
	Refrigerant Control		Electronic Expansion Valve				
	Defrost Method		Reverse Cycle				
	Sound Pressure Level at cooling		dB(A)	52			
	Sound Pressure Level at heating		dB(A)	53			
	External Finish Color		Ivory Munsell 3Y 7.8/1.1				
	Dimension	W: mm [inch]		1050 [41-11/32]			
		D: mm [inch]		25 + 330 [63/64+12-63/64]			
		H: mm [inch]		1338 [52-43/64]			
	Weight Unit		kg [lbs]	102 [224]			
Refrigerant	Type		R454B				
	Charge	kg [lbs,oz]	4.5 [9 lbs + 14 oz]				
	Oil	Model	RM68EH				
		L [oz]	1.4 [45]				
Refrigerant pipe size	Gas side O.D.	mm [inch]	ø15.88 (5/8F)				
	Liquid side O.D.	mm [inch]	ø9.52 (3/8F)				
Refrigerant pipe length	Height difference	m [ft]	Max. 30 m [Max. 100 ft]				
	Length	m [ft]	Max. 50 m [Max. 165 ft]				
Refrigerant piping				Not Supplied			
Connection Method		Indoor/Outdoor		Flared			

NOTES :

*1. Rating conditions (cooling)-Indoor : D.B. 26.7°C (80°F), W.B. 19.4°C (67°F) Outdoor: D.B. 35°C (95°F), W.B. 23.9°C (75°F)

*2. Rating conditions (heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. 8.3°C (47°F), W.B. 6.1°C (43°F)

*3. Rating conditions (heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. -8.3°C (17°F), W.B. -9.4°C (15°F)

Operating range

		Indoor intake air temperature		Outdoor intake air temperature	
Cooling	Maximum	D.B. 32°C (90°F), W.B. 23°C (73°F)		D.B. 46°C (115°F)	
	Minimum	D.B. 19°C (66°F), W.B. 15°C (59°F)		D.B. -5°C (23°F) / -18°C (0°F) *4	
Heating	Maximum	D.B. 28°C (82°F)		D.B. 21°C (70°F), W.B. 15°C (59°F)	
	Minimum	D.B. 10°C (50°F)		D.B. -20°C (-4°F), W.B. -20°C (-4°F)	

*4. In case that the wind baffle is installed. (In case that the wind baffle is not installed, the minimum temperature will be -5°C (23°F) DB.)

PEAD-AA36NL PEAD-AA42NL
(PUY-AKNL Combination)**

Model name		Indoor unit		PEAD-AA36NL		PEAD-AA42NL		
Cooling	at 95°F *1	Outdoor unit		PUY-AK36NL		PUY-AK42NL		
		Max. Capacity	Btu/h	37,000		44,000		
		Rated Capacity	Btu/h	36,000		42,000		
		Min. Capacity	Btu/h	13,500		14,200		
		Total Input	W	2,860		3,760		
		EER2	Btu/h/W	12.5		11.1		
		Moisture Removal	Pints/h	11.8		10.8		
		SHF		0.65		0.72		
		Power factor	%	95		95		
	SEER2		Btu/h/W	20.1		18.7		
Power supply		Phase,Cycle,Voltage		1 phase, 60 Hz, 208/230 V				
		Breaker size	A	35				
voltage		Indoor - Outdoor S1-S2		AC208 V / 230 V				
		Indoor - Outdoor S2-S3		DC24 V				
		Indoor - Remote controller		DC12 V				
Indoor unit	MCA		A	3.50		4.25		
	MOCP		A			15		
	Fan Motor Output		W			300		
	Air flow (LoLo-Lo-Mid-Hi)		DRY (CFM)		848-936-1024-1201		1042-1148-1254-1483	
			WET (CFM)		848-936-1024-1201		1042-1148-1254-1483	
	External Static Pressure		in. WG [Pa]		0.14/0.20/0.28/0.40/0.60 [35/50/70/100/150]			
	Sound Pressure Level (LoLo-Lo-Mid-Hi) *Air flow down mode		0.14 inWG* [dB(A)]		33-33-35-37		37-37-39-41	
			0.14 inWG [dB(A)]		33-35-37-41		37-39-41-45	
			0.20 inWG [dB(A)]		34-36-38-42		37-39-41-45	
			0.28 inWG [dB(A)]		35-37-39-43		38-41-42-47	
			0.40 inWG [dB(A)]		37-39-41-44		40-42-44-48	
			0.60 inWG [dB(A)]		39-41-43-47		42-44-46-50	
	Dimensions		W: mm [inch]		1400 [55-1/8]			
			D: mm [inch]		732 [28-7/8]			
			H: mm [inch]		250 [9-7/8]			
	Weight Unit		kg [lbs]	37 [82]		39 [86]		
	Field Drain pipe size		mm [inch]	32 [1-1/4]				
	Refrigerant pipe size Gas		mm [inch]	9.52 [3/8]				
	Refrigerant pipe size Liquid		mm [inch]	15.88 [5/8]				
Remote controller		Attached in Indoor Unit						
Outdoor unit	MCA		A	34				
	MOCP		A	56				
	SCCR		kA	5				
	Inverter input		A	23				
	Fan Motor Output		W	74 × 2				
	Compressor		Model	MRB36FEGMC				
	Air flow(Cooling/Heating)		CFM	3,910				
	Refrigerant Control			Electronic Expansion Valve				
	Defrost Method			Reverse Cycle				
	Sound Pressure Level at cooling		dB(A)	52				
	Sound Pressure Level at heating		dB(A)	53				
	External Finish Color			Ivory Munsell 3Y 7.8/1.1				
	Dimension		W: mm [inch]		1050 [41-11/32]			
			D: mm [inch]		25 + 330 [63/64+12-63/64]			
			H: mm [inch]		1338 [52-43/64]			
	Weight Unit		kg [lbs]	102 [224]				
	Refrigerant	Type			R454B			
Charge		kg [lbs,oz]	4.5 [9 lbs + 14 oz]					
Oil		Model		RM68EH				
		L [oz]		1.4 [45]				
Refrigerant pipe size		Gas side O.D.		mm [inch]	ø15.88 (5/8F)			
	Liquid side O.D.		mm [inch]	ø9.52 (3/8F)				
Refrigerant pipe length	Height difference		m [ft]	Max. 30 m [Max. 100 ft]				
	Length		m [ft]	Max. 69 m [Max. 225 ft]				
Refrigerant piping		Not Supplied						
Connection Method		Indoor/Outdoor		Flared				

NOTES :

*1. Rating conditions (cooling)-Indoor : D.B. 26.7°C (80°F), W.B. 19.4°C (67°F) Outdoor: D.B. 35°C (95°F), W.B. 23.9°C (75°F)

Operating range

		Indoor intake air temperature		Outdoor intake air temperature	
Cooling	Maximum	D.B. 32°C (90°F), W.B. 23°C (73°F)		D.B. 46°C (115°F)	
	Minimum	D.B. 19°C (66°F), W.B. 15°C (59°F)		D.B.-5°C (23°F) / -28.9°C (-20°F) *2	

*2. In case that the wind baffle is installed. (In case that the wind baffle is not installed, the minimum temperature will be -5°C (23°F) DB.)

PEAD-AA24NL PEAD-AA30NL PEAD-AA36NL PEAD-AA42NL
(PUZ-AKNLHZ Combination)**

Model name			Indoor unit	PEAD-AA24NL	PEAD-AA30NL	PEAD-AA36NL	PEAD-AA42NL
Cooling	at 95°F *1	Outdoor unit		PUZ-AK24NLHZ	PUZ-AK30NLHZ	PUZ-AK36NLHZ	PUZ-AK42NLHZ
		Max. Capacity	Btu/h	24,800	30,800	37,000	43,000
		Rated Capacity	Btu/h	24,000	30,000	36,000	42,000
		Min. Capacity	Btu/h	12,700	12,200	14,600	18,000
		Total Input	W	1,790	2,400	2,860	3,790
		EER2	Btu/h/W	13.4	12.5	12.5	11.0
		Moisture Removal	Pints/h	8.2	6.9	11.8	6.6
		SHF		0.63	0.75	0.65	0.83
		Power factor	%	93	95	95	95
		SEER2	Btu/h/W	19.3	21.7	21.7	18.3
Heating	at 47°F *2	Max. Capacity	Btu/h	28,000	34,000	40,000	54,000
		Rated Capacity	Btu/h	25,000	32,000	38,000	48,000
		Min. Capacity	Btu/h	12,800	11,500	13,000	16,100
		Total Input	W	1,760	2,330	2,610	4,600
		COP	W/W	4.1	4.0	4.2	3.4
		Power factor	%	94	95	95	96
		Rated Capacity	Btu/h	17,000	21,800	24,400	33,000
	at 17°F *3	Total Input	W	1,900	2,400	2,580	3,800
		COP	W/W	2.6	2.6	2.7	2.5
		HSPF2(IV/V)	Btu/h/W	9.0 / 7.4	9.3 / 7.8	9.3 / 7.6	8.5 / 7.3
Power supply	Phase,Cycle,Voltage		1 phase, 60 Hz, 208/230 V				
	Breaker size	A	25	30	40		
voltage	Indoor - Outdoor S1-S2		AC208 V / 230 V				
	Indoor - Outdoor S2-S3		DC24 V				
Indoor unit	Indoor - Remote controller		DC12 V				
	MCA	A	2.25	2.25	3.50	4.25	
	MOCP	A	15				
	Fan Motor Output	W	121		300		
	Air flow	DRY (CFM)	512-565-636-742	618-671-742-883	848-936-1024-1201	1042-1148-1254-1483	
	(LoLo-Lo-Mid-Hi)	WET (CFM)	512-565-636-742	618-671-742-883	848-936-1024-1201	1042-1148-1254-1483	
	External Static Pressure	in. WG [Pa]	0.14/0.20/0.28/0.40/0.60 [35/50/70/100/150]				
	Sound Pressure Level (LoLo-Lo-Mid-Hi) *Air flow down mode	0.14 inWG* [dB(A)]	26-26-28-30	29-29-31-33	33-33-35-37	37-37-39-41	
		0.14 inWG [dB(A)]	26-28-30-34	29-31-33-37	33-35-37-41	37-39-41-45	
		0.20 inWG [dB(A)]	27-29-31-35	30-32-34-38	34-36-38-42	37-39-41-45	
		0.28 inWG [dB(A)]	28-30-33-37	31-33-35-39	35-37-39-43	38-41-42-47	
		0.40 inWG [dB(A)]	30-32-35-39	33-35-37-41	37-39-41-44	40-42-44-48	
		0.60 inWG [dB(A)]	33-35-38-42	35-37-39-43	39-41-43-47	42-44-46-50	
	Dimensions	W: mm [inch]	1100 [43-5/16]		1400 [55-1/8]		
		D: mm [inch]	732 [28-7/8]				
		H: mm [inch]	250 [9-7/8]				
	Weight	kg [lbs]	30 [67]	37 [82]	39 [86]		
	Field Drain pipe size	mm [inch]	32 [1-1/4]				
	Refrigerant pipe size Gas	mm [inch]	9.52 [3/8]				
	Refrigerant pipe size Liquid	mm [inch]	15.88 [5/8]				
Remote controller			Attached in Indoor Unit				
Outdoor unit	MCA	A	24	29	35		
	MOCP	A	39	48	60		
	SCCR	kA	5				
	Inverter input	A	16	19	26		
	Fan Motor Output	W	74 × 2				
	Compressor	Model	MRK36FFGMC				
	Air flow(Cooling/Heating)	CFM	3,740				
	Refrigerant Control		Electronic Expansion Valve				
	Defrost Method		Reverse Cycle				
	Sound Pressure Level at cooling	dB (A)	52	60			
	Sound Pressure Level at heating	dB (A)	53	62			
	External Finish Color		Ivory Munsell 3Y 7.8/1.1				
	Dimension	W: mm [inch]	1050 [41-11/32]				
		D: mm [inch]	25 + 330 [63/64+12-63/64]				
		H: mm [inch]	1338 [52-43/64]				
	Weight Unit	kg [lbs]	105 (231)	123 (271)			
	Refrigerant	Type		R454B			
Charge		kg [lbs,oz]	4.5 [9 lbs + 14 oz]		5.2 [11 lbs + 7 oz]		
Oil		Model	RM68EH				
		L [oz]	1.4 [45]				
Refrigerant pipe size	Gas side O.D.	mm [inch]	ø15.88 (5/8F)				
	Liquid side O.D.	mm [inch]	ø9.52 (3/8F)				
Refrigerant pipe length	Height difference	m [ft]	Max. 30 m [Max. 100 ft]				
	Length	m [ft]	Max. 50 m [Max. 165 ft]	Max. 75 m [Max. 245 ft]			
Refrigerant piping			Not Supplied				
Connection Method			Indoor/Outdoor Flared				

NOTES :

*1. Rating conditions (cooling)-Indoor : D.B. 26.7°C (80°F), W.B. 19.4°C (67°F) Outdoor: D.B. 35°C (95°F), W.B. 23.9°C (75°F)

*2. Rating conditions (heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. 8.3°C (47°F), W.B. 6.1°C (43°F)

*3. Rating conditions (heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. -8.3°C (17°F), W.B. -9.4°C (15°F)

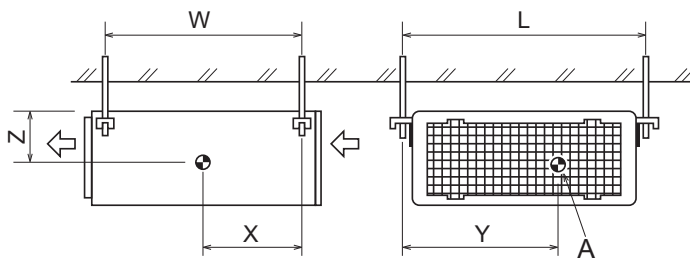
Operating range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 32°C (90°F), W.B. 23°C (73°F)	D.B. 46°C (115°F)
	Minimum	D.B. 19°C (66°F), W.B. 15°C (59°F)	D.B. -5°C (23°F) D.B. -18°C (0°F) *4
Heating	Maximum	D.B. 28°C (82°F)	D.B. 21.1°C (70°F), W.B. 15°C (59°F)
	Minimum	D.B. 10°C (50°F)	D.B. -25°C (-13°F), W.B. -25°C (-13°F)

*4. In case that the wind baffle is installed. (In case that the wind baffle is not installed, the minimum temperature will be -5°C (23°F) DB.)

T2

POSITION OF THE CENTER OF GRAVITY



A: Center of gravity

Model name	W mm [in]	L mm [in]	X mm [in]	Y mm [in]	Z mm [in]	Product Weight kg [lb]
PEAD-AA09NL	643 [25-5/16]	954 [37-9/16]	340 [13-3/8]	375 [14-3/4]	130 [5-1/8]	26 [58]
PEAD-AA12NL	643 [25-5/16]	954 [37-9/16]	340 [13-3/8]	375 [14-3/4]	130 [5-1/8]	26 [58]
PEAD-AA15NL	643 [25-5/16]	954 [37-9/16]	340 [13-3/8]	375 [14-3/4]	130 [5-1/8]	27 [60]
PEAD-AA18NL	643 [25-5/16]	954 [37-9/16]	340 [13-3/8]	375 [14-3/4]	130 [5-1/8]	27 [60]
PEAD-AA24NL	643 [25-5/16]	1154 [45-7/16]	325 [12-13/16]	525 [20-11/16]	130 [5-1/8]	30 [67]
PEAD-AA30NL	643 [25-5/16]	1154 [45-7/16]	325 [12-13/16]	525 [20-11/16]	130 [5-1/8]	30 [67]
PEAD-AA36NL	643 [25-5/16]	1454 [57-1/4]	330 [13]	675 [26-9/16]	130 [5-1/8]	37 [82]
PEAD-AA42NL	643 [25-5/16]	1454 [57-1/4]	330 [13]	675 [26-9/16]	130 [5-1/8]	39 [86]

PEAD-AA09NL/SUZ-AA09NL

Cooling

CAPACITY (Btu/h): 9,000 INPUT (kW): 0.68 SHF: 0.95

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	9,430	7,978	0.85	0.45	8,870	7,504	0.85	0.51	8,160	6,903	0.85	0.56	7,488	6,335	0.85	0.61	6,816	5,766	0.85	0.64	6,143	5,197	0.85	0.67
19	68	18	64	10,307	7,483	0.73	0.50	9,747	7,076	0.73	0.56	9,037	6,561	0.73	0.61	8,365	6,073	0.73	0.65	7,693	5,585	0.73	0.68	7,021	5,097	0.73	0.71
20	68	16	61	9,430	8,355	0.89	0.45	8,870	7,858	0.89	0.51	8,160	7,230	0.89	0.56	7,488	6,634	0.89	0.61	6,816	6,039	0.89	0.64	6,143	5,443	0.89	0.67
20	68	18	64	10,307	7,895	0.77	0.50	9,747	7,466	0.77	0.56	9,037	6,923	0.77	0.61	8,365	6,408	0.77	0.65	7,693	5,893	0.77	0.68	7,021	5,378	0.77	0.71
20	68	20	68	10,755	6,948	0.65	0.52	10,307	6,658	0.65	0.57	9,710	6,272	0.65	0.63	9,000	5,814	0.65	0.68	8,290	5,356	0.65	0.71	7,693	4,970	0.65	0.75
22	72	16	61	9,430	9,109	0.97	0.45	8,870	8,658	0.97	0.51	8,160	7,883	0.97	0.56	7,488	7,233	0.97	0.61	6,816	6,584	0.97	0.64	6,143	5,935	0.97	0.67
22	72	18	64	10,307	8,720	0.85	0.50	9,747	8,246	0.85	0.56	9,037	7,646	0.85	0.61	8,365	7,077	0.85	0.65	7,693	6,508	0.85	0.68	7,021	5,940	0.85	0.71
22	72	20	68	10,755	7,808	0.73	0.52	10,307	7,483	0.73	0.57	9,710	7,049	0.73	0.63	9,000	6,534	0.73	0.68	8,290	6,019	0.73	0.71	7,693	5,585	0.73	0.75
24	75	16	61	9,430	9,430	1.00	0.45	8,870	8,870	1.00	0.51	8,160	8,160	1.00	0.56	7,488	7,488	1.00	0.61	6,816	6,816	1.00	0.64	6,143	6,143	1.00	0.67
24	75	18	64	10,307	9,544	0.93	0.50	9,747	9,026	0.93	0.56	9,037	8,369	0.93	0.61	8,365	7,746	0.93	0.65	7,693	7,124	0.93	0.68	7,021	6,501	0.93	0.71
24	75	20	68	10,755	8,669	0.81	0.52	10,307	8,307	0.81	0.57	9,710	7,826	0.81	0.63	9,000	7,254	0.81	0.68	8,290	6,682	0.81	0.71	7,693	6,201	0.81	0.75
24	75	22	72	11,353	7,788	0.69	0.55	10,979	7,532	0.69	0.61	10,307	7,071	0.69	0.66	9,635	6,610	0.69	0.71	8,963	6,148	0.69	0.74	8,216	5,636	0.69	0.76
26	79	16	61	9,430	9,430	1.00	0.45	8,870	8,870	1.00	0.51	8,160	8,160	1.00	0.56	7,488	7,488	1.00	0.61	6,816	6,816	1.00	0.64	6,143	6,143	1.00	0.67
26	79	18	64	10,307	10,307	1.00	0.50	9,747	9,747	1.00	0.56	9,037	9,037	1.00	0.61	8,365	8,365	1.00	0.65	7,693	7,693	1.00	0.68	7,021	7,021	1.00	0.71
26	79	20	68	10,755	9,529	0.89	0.52	10,307	9,132	0.89	0.57	9,710	8,603	0.89	0.63	9,000	7,974	0.89	0.68	8,290	7,345	0.89	0.71	7,693	6,816	0.89	0.75
26	79	22	72	11,353	8,696	0.77	0.55	10,979	8,410	0.77	0.61	10,307	7,895	0.77	0.66	9,635	7,380	0.77	0.71	8,963	6,865	0.77	0.74	8,216	6,293	0.77	0.76
27	81	16	61	9,430	9,430	1.00	0.45	8,870	8,870	1.00	0.51	8,160	8,160	1.00	0.56	7,488	7,488	1.00	0.61	6,816	6,816	1.00	0.64	6,143	6,143	1.00	0.67
27	81	18	64	10,307	10,307	1.00	0.50	9,747	9,747	1.00	0.56	9,037	9,037	1.00	0.61	8,365	8,365	1.00	0.65	7,693	7,693	1.00	0.68	7,021	7,021	1.00	0.71
27	81	20	68	10,755	9,959	0.93	0.52	10,307	9,544	0.93	0.57	9,710	8,991	0.93	0.63	9,000	8,334	0.93	0.68	8,290	7,677	0.93	0.71	7,693	7,124	0.93	0.75
27	81	22	72	11,353	9,150	0.81	0.55	10,979	8,849	0.81	0.61	10,307	8,307	0.81	0.66	9,635	7,766	0.81	0.71	8,963	7,224	0.81	0.74	8,216	6,622	0.81	0.76
28	82	16	61	9,430	9,430	1.00	0.45	8,870	8,870	1.00	0.51	8,160	8,160	1.00	0.56	7,488	7,488	1.00	0.61	6,816	6,816	1.00	0.64	6,143	6,143	1.00	0.67
28	82	18	64	10,307	10,307	1.00	0.50	9,747	9,747	1.00	0.56	9,037	9,037	1.00	0.61	8,365	8,365	1.00	0.65	7,693	7,693	1.00	0.68	7,021	7,021	1.00	0.71
28	82	20	68	10,755	10,390	0.97	0.52	10,307	9,957	0.97	0.57	9,710	9,379	0.97	0.63	9,000	8,694	0.97	0.68	8,290	8,009	0.97	0.71	7,693	7,431	0.97	0.75
28	82	22	72	11,353	9,604	0.85	0.55	10,979	9,288	0.85	0.61	10,307	8,720	0.85	0.66	9,635	8,151	0.85	0.71	8,963	7,582	0.85	0.74	8,216	6,951	0.85	0.76
30	86	16	61	9,430	9,430	1.00	0.45	8,870	8,870	1.00	0.51	8,160	8,160	1.00	0.56	7,488	7,488	1.00	0.61	6,816	6,816	1.00	0.64	6,143	6,143	1.00	0.67
30	86	18	64	10,307	10,307	1.00	0.50	9,747	9,747	1.00	0.56	9,037	9,037	1.00	0.61	8,365	8,365	1.00	0.65	7,693	7,693	1.00	0.68	7,021	7,021	1.00	0.71
30	86	20	68	10,755	10,755	1.00	0.52	10,307	10,307	1.00	0.57	9,710	9,710	1.00	0.63	9,000	9,000	1.00	0.68	8,290	8,290	1.00	0.71	7,693	7,693	1.00	0.75
30	86	22	72	11,353	10,513	0.93	0.55	10,979	10,167	0.93	0.61	10,307	9,544	0.93	0.66	9,635	8,922	0.93	0.71	8,963	8,299	0.93	0.74	8,216	7,608	0.93	0.76
32	90	16	61	9,430	9,430	1.00	0.45	8,870	8,870	1.00	0.51	8,160	8,160	1.00	0.56	7,488	7,488	1.00	0.61	6,816	6,816	1.00	0.64	6,143	6,143	1.00	0.67
32	90	18	64	10,307	10,307	1.00	0.50	9,747	9,747	1.00	0.56	9,037	9,037	1.00	0.61	8,365	8,365	1.00	0.65	7,693	7,693	1.00	0.68	7,021	7,021	1.00	0.71
32	90	20	68	10,755	10,755	1.00	0.52	10,307	10,307	1.00	0.57	9,710	9,710	1.00	0.63	9,000	9,000	1.00	0.68	8,290	8,290	1.00	0.71	7,693	7,693	1.00	0.75
32	90	22	72	11,353	11,353	1.00	0.55	10,979	10,979	1.00	0.61	10,307	10,307	1.00	0.66	9,635	9,635	1.00	0.71	8,963	8,963	1.00	0.74	8,216	8,216	1.00	0.76

PEAD-AA12NL/SUZ-AA12NL

Cooling

CAPACITY (Btu/h): 12,000 INPUT (kW): 0.96 SHF: 0.91

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																																															
				20 / 68								25 / 77								30 / 86								35 / 95								40 / 104								46 / 115							
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.																				
19	68	16	61	12,573	10,134	0.81	0.64	11,826	9,532	0.81	0.72	10,880	8,769	0.81	0.79	9,984	8,047	0.81	0.86	9,087	7,324	0.81	0.90	8,191	6,602	0.81	0.94																								
19	68	18	64	13,743	9,428	0.69	0.70	12,996	8,915	0.69	0.79	12,050	8,266	0.69	0.85	11,154	7,651	0.69	0.92	10,257	7,036	0.69	0.96	9,361	6,422	0.69	1.01																								
20	68	16	61	12,573	10,637	0.85	0.64	11,826	10,005	0.85	0.72	10,880	9,204	0.85	0.79	9,984	8,446	0.85	0.86	9,087	7,688	0.85	0.90	8,191	6,930	0.85	0.94																								
20	68	18	64	13,743	9,977	0.73	0.70	12,996	9,435	0.73	0.79	12,050	8,748	0.73	0.85	11,154	8,097	0.73	0.92	10,257	7,447	0.73	0.96	9,361	6,796	0.73	1.01																								
20	68	20	68	14,340	8,690	0.61	0.74	13,743	8,328	0.61	0.81	12,946	7,845	0.61	0.89	12,000	7,272	0.61	0.96	11,054	6,699	0.61	1.01	10,257	6,216	0.61	1.05																								
22	72	16	61	12,573	11,643	0.93	0.64	11,826	10,951	0.93	0.72	10,880	10,075	0.93	0.79	9,984	9,245	0.93	0.86	9,087	8,415	0.93	0.90	8,191	7,585	0.93	0.94																								
22	72	18	64	13,743	11,077	0.81	0.70	12,996	10,475	0.81	0.79	12,050	9,712	0.81	0.85	11,154	8,990	0.81	0.92	10,257	8,267	0.81	0.96	9,361	7,545	0.81	1.01																								
22	72	20	68	14,340	9,837	0.69	0.74	13,743	9,428	0.69	0.81	12,946	8,881	0.69	0.89	12,000	8,232	0.69	0.96	11,054	7,583	0.69	1.01	10,257	7,036	0.69	1.05																								
24	75	16	61	12,573	12,573	1.00	0.64	11,826	11,826	1.00	0.72	10,880	10,880	1.00	0.79	9,984	9,984	1.00	0.86	9,087	9,087	1.00	0.90	8,191	8,191	1.00	0.94																								
24	75	18	64	13,743	12,176	0.89	0.70	12,996	11,514	0.89	0.79	12,050	10,676	0.89	0.85	11,154	9,882	0.89	0.92	10,257	9,088	0.89	0.96	9,361	8,294	0.89	1.01																								
24	75	20	68	14,340	10,985	0.77	0.74	13,743	10,527	0.77	0.81	12,946	9,917	0.77	0.89	12,000	9,192	0.77	0.96	11,054	8,467	0.77	1.01	10,257	7,857	0.77	1.05																								
24	75	22	72	15,137	9,778	0.65	0.77	14,639	9,547	0.65	0.85	13,743	8,878	0.65	0.93	12,846	8,299	0.65	1.00	11,950	7,720	0.65	1.05	10,954	7,077	0.65	1.08																								
26	79	16	61	12,573	12,573	1.00	0.64	11,826	11,826	1.00	0.72	10,880	10,880	1.00	0.79	9,984	9,984	1.00	0.86	9,087	9,087	1.00	0.90	8,191	8,191	1.00	0.94																								
26	79	18	64	13,743	13,275	0.97	0.70	12,996	12,554	0.97	0.79	12,050	11,640	0.97	0.85	11,154	10,774	0.97	0.92	10,257	9,909	0.97	0.96	9,361	9,043	0.97	1.01																								
26	79	20	68	14,340	12,132	0.85	0.74	13,743	11,626	0.85	0.81	12,946	10,952	0.85	0.89	12,000	10,152	0.85	0.96	11,054	9,352	0.85	1.01	10,257	8,768	0.85	1.05																								
26	79	22	72	15,137	10,989	0.73	0.77	14,639	10,628	0.73	0.85	13,743	9,977	0.73	0.93	12,846	9,327	0.73	1.00	11,950	8,676	0.73	1.05	10,954	7,953	0.73	1.08																								
27	81	16	61	12,573	12,573	1.00	0.64	11,826	11,826	1.00	0.72	10,880	10,880	1.00	0.79	9,984	9,984	1.00	0.86	9,087	9,087	1.00	0.90	8,191	8,191	1.00	0.94																								
27	81	18	64	13,743	13,743	1.00	0.70	12,996	12,996	1.00	0.79	12,050	12,050	1.00	0.85	11,154	11,154	1.00	0.92	10,257	10,257	1.00	0.96	9,361	9,361	1.00	1.01																								
27	81	20	68	14,340	12,705	0.89	0.74	13,743	12,176	0.89	0.81	12,946	11,470	0.89	0.89	12,000	10,632	0.89	0.96	11,054	9,794	0.89	1.01	10,257	9,088	0.89	1.05																								
27	81	22	72	15,137	11,595	0.77	0.77	14,639	11,213	0.77	0.85	13,743	10,527	0.77	0.93	12,846	9,840	0.77	1.00	11,950	9,154	0.77	1.05	10,954	8,391	0.77	1.08																								
28	82	16	61	12,573	12,573	1.00	0.64	11,826	11,826	1.00	0.72	10,880	10,880	1.00	0.79	9,984	9,984	1.00	0.86	9,087	9,087	1.00	0.90	8,191	8,191	1.00	0.94																								
28	82	18	64	13,743	13,743	1.00	0.70	12,996	12,996	1.00	0.79	12,050	12,050	1.00	0.85	11,154	11,154	1.00	0.92	10,257	10,257	1.00	0.96	9,361	9,361	1.00	1.01																								
28	82	20	68	14,340	13,279	0.93	0.74	13,743	12,726	0.93	0.81	12,946	11,988	0.93	0.89	12,000	11,112	0.93	0.96	11,054	10,236	0.93	1.01	10,257	9,498	0.93	1.05																								
28	82	22	72	15,137	12,200	0.81	0.77	14,639	11,799	0.81	0.85	13,743	11,077	0.81	0.93	12,846	10,354	0.81	1.00	11,950	9,632	0.81	1.05	10,954	8,829	0.81	1.08																								
30	86	16	61	12,573	12,573	1.00	0.64	11,826	11,826	1.00	0.72	10,880	10,880	1.00	0.79	9,984	9,984	1.00	0.86	9,087	9,087	1.00	0.90	8,191	8,191	1.00	0.94																								
30	86	18	64	13,743	13,743	1.00	0.70	12,996	12,996	1.00	0.79	12,050	12,050	1.00	0.85	11,154	11,154	1.00	0.92	10,257	10,257	1.00	0.96	9,361	9,361	1.00	1.01																								
30	86	20	68	14,340	14,340	1.00	0.74	13,743	13,743	1.00	0.81	12,946	12,946	1.00	0.89	12,000	12,000	1.00	0.96	11,054	11,054	1.00	1.01	10,257	10,257	1.00	1.05																								
30	86	22	72	15,137	13,411	0.89	0.77	14,639	12,970	0.89	0.85	13,743	12,146	0.89	0.93	12,846	11,382	0.89	1.00	11,950	10,588	0.89	1.05	10,954	9,706	0.89	1.08																								
32	90	16	61	12,573	12,573	1.00	0.64	11,826	11,826	1.00	0.72	10,880	10,880	1.00	0.79	9,984	9,984	1.00	0.86	9,087	9,087	1.00	0.90	8,191	8,191	1.00	0.94																								
32	90	18	64	13,743	13,743	1.00	0.70	12,996	12,996	1.00	0.79	12,050	12,050	1.00	0.85	11,154	11,154	1.00	0.92	10,257	10,257	1.00	0.96	9,361	9,361	1.00	1.01																								
32	90	20	68	14,340	14,340	1.00	0.74	13,743	13,743	1.00	0.81	12,946	12,946	1.00	0.89	12,000	12,000	1.00	0.96	11,054	11,054	1.00	1.01	10,257	10,257	1.00	1.05																								
32	90	22	72	15,137	14,622	0.97	0.77	14,639	14,141	0.97	0.85	13,743	13,275	0.97	0.93	12,846	12,410	0.97	1.00	11,950	11,544	0.97	1.05	10,954	10,582	0.97	1.08																								

PEAD-AA15NL/SUZ-AA15NL

Cooling

CAPACITY (Btu/h): 15,000 INPUT (kW): 1.22 SHF: 0.87

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	15,716	12,039	0.77	0.81	14,783	11,323	0.77	0.92	13,600	10,418	0.77	1.00	12,480	9,559	0.77	1.09	11,359	8,701	0.77	1.14	10,239	7,843	0.77	1.20
19	68	18	64	17,178	11,097	0.65	0.89	16,245	10,494	0.65	1.00	15,062	9,730	0.65	1.09	13,942	9,006	0.65	1.17	12,822	8,283	0.65	1.23	11,701	7,559	0.65	1.28
20	68	16	61	15,716	12,667	0.81	0.81	14,783	11,915	0.81	0.92	13,600	10,962	0.81	1.00	12,480	10,059	0.81	1.09	11,359	9,156	0.81	1.14	10,239	8,253	0.81	1.20
20	68	18	64	17,178	11,784	0.69	0.89	16,245	11,144	0.69	1.00	15,062	10,333	0.69	1.09	13,942	9,564	0.69	1.17	12,822	8,796	0.69	1.23	11,701	8,027	0.69	1.28
20	68	20	68	17,925	10,146	0.57	0.94	17,178	9,723	0.57	1.03	16,183	9,159	0.57	1.13	15,000	8,490	0.57	1.22	13,817	7,821	0.57	1.28	12,822	7,257	0.57	1.34
22	72	16	61	15,716	13,925	0.89	0.81	14,783	13,097	0.89	0.92	13,600	12,050	0.89	1.00	12,480	11,057	0.89	1.09	11,359	10,064	0.89	1.14	10,239	9,072	0.89	1.20
22	72	18	64	17,178	13,159	0.77	0.89	16,245	12,444	0.77	1.00	15,062	11,538	0.77	1.09	13,942	10,680	0.77	1.17	12,822	9,821	0.77	1.23	11,701	8,963	0.77	1.28
22	72	20	68	17,925	11,580	0.65	0.94	17,178	11,097	0.65	1.03	16,183	10,454	0.65	1.13	15,000	9,690	0.65	1.22	13,817	8,926	0.65	1.28	12,822	8,283	0.65	1.34
24	75	16	61	15,716	15,182	0.97	0.81	14,783	14,280	0.97	0.92	13,600	13,138	0.97	1.00	12,480	12,055	0.97	1.09	11,359	10,973	0.97	1.14	10,239	9,891	0.97	1.20
24	75	18	64	17,178	14,533	0.85	0.89	16,245	13,743	0.85	1.00	15,062	12,743	0.85	1.09	13,942	11,795	0.85	1.17	12,822	10,847	0.85	1.23	11,701	9,899	0.85	1.28
24	75	20	68	17,925	13,014	0.73	0.94	17,178	12,472	0.73	1.03	16,183	11,749	0.73	1.13	15,000	10,890	0.73	1.22	13,817	10,031	0.73	1.28	12,822	9,308	0.73	1.34
24	75	22	72	18,921	11,466	0.61	0.98	18,299	11,089	0.61	1.09	17,178	10,410	0.61	1.18	16,058	9,731	0.61	1.27	14,938	9,052	0.61	1.33	13,693	8,298	0.61	1.37
26	79	16	61	15,716	15,716	1.00	0.81	14,783	14,783	1.00	0.92	13,600	13,600	1.00	1.00	12,480	12,480	1.00	1.09	11,359	11,359	1.00	1.14	10,239	10,239	1.00	1.20
26	79	18	64	17,178	15,907	0.93	0.89	16,245	15,043	0.93	1.00	15,062	13,948	0.93	1.09	13,942	12,910	0.93	1.17	12,822	11,873	0.93	1.23	11,701	10,835	0.93	1.28
26	79	20	68	17,925	14,448	0.81	0.94	17,178	13,846	0.81	1.03	16,183	13,043	0.81	1.13	15,000	12,090	0.81	1.22	13,817	11,137	0.81	1.28	12,822	10,334	0.81	1.34
26	79	22	72	18,921	12,980	0.69	0.98	18,299	12,553	0.69	1.09	17,178	11,784	0.69	1.18	16,058	11,016	0.69	1.27	14,938	10,247	0.69	1.33	13,693	9,393	0.69	1.37
27	81	16	61	15,716	15,716	1.00	0.81	14,783	14,783	1.00	0.92	13,600	13,600	1.00	1.00	12,480	12,480	1.00	1.09	11,359	11,359	1.00	1.14	10,239	10,239	1.00	1.20
27	81	18	64	17,178	16,594	0.97	0.89	16,245	15,692	0.97	1.00	15,062	14,550	0.97	1.09	13,942	13,468	0.97	1.17	12,822	12,386	0.97	1.23	11,701	11,303	0.97	1.28
27	81	20	68	17,925	15,165	0.85	0.94	17,178	14,533	0.85	1.03	16,183	13,690	0.85	1.13	15,000	12,690	0.85	1.22	13,817	11,690	0.85	1.28	12,822	10,847	0.85	1.34
27	81	22	72	18,921	13,737	0.73	0.98	18,299	13,285	0.73	1.09	17,178	12,472	0.73	1.18	16,058	11,658	0.73	1.27	14,938	10,845	0.73	1.33	13,693	9,941	0.73	1.37
28	82	16	61	15,716	15,716	1.00	0.81	14,783	14,783	1.00	0.92	13,600	13,600	1.00	1.00	12,480	12,480	1.00	1.09	11,359	11,359	1.00	1.14	10,239	10,239	1.00	1.20
28	82	18	64	17,178	17,178	1.00	0.89	16,245	16,245	1.00	1.00	15,062	15,062	1.00	1.09	13,942	13,942	1.00	1.17	12,822	12,822	1.00	1.23	11,701	11,701	1.00	1.28
28	82	20	68	17,925	15,882	0.89	0.94	17,178	15,220	0.89	1.03	16,183	14,338	0.89	1.13	15,000	13,290	0.89	1.22	13,817	12,242	0.89	1.28	12,822	11,360	0.89	1.34
28	82	22	72	18,921	14,494	0.77	0.98	18,299	14,017	0.77	1.09	17,178	13,159	0.77	1.18	16,058	12,300	0.77	1.27	14,938	11,442	0.77	1.33	13,693	10,489	0.77	1.37
30	86	16	61	15,716	15,716	1.00	0.81	14,783	14,783	1.00	0.92	13,600	13,600	1.00	1.00	12,480	12,480	1.00	1.09	11,359	11,359	1.00	1.14	10,239	10,239	1.00	1.20
30	86	18	64	17,178	17,178	1.00	0.89	16,245	16,245	1.00	1.00	15,062	15,062	1.00	1.09	13,942	13,942	1.00	1.17	12,822	12,822	1.00	1.23	11,701	11,701	1.00	1.28
30	86	20	68	17,925	17,316	0.97	0.94	17,178	16,594	0.97	1.03	16,183	15,632	0.97	1.13	15,000	14,490	0.97	1.22	13,817	13,348	0.97	1.28	12,822	12,386	0.97	1.34
30	86	22	72	18,921	16,007	0.85	0.98	18,299	15,481	0.85	1.09	17,178	14,533	0.85	1.18	16,058	13,585	0.85	1.27	14,938	12,637	0.85	1.33	13,693	11,584	0.85	1.37
32	90	16	61	15,716	15,716	1.00	0.81	14,783	14,783	1.00	0.92	13,600	13,600	1.00	1.00	12,480	12,480	1.00	1.09	11,359	11,359	1.00	1.14	10,239	10,239	1.00	1.20
32	90	18	64	17,178	17,178	1.00	0.89	16,245	16,245	1.00	1.00	15,062	15,062	1.00	1.09	13,942	13,942	1.00	1.17	12,822	12,822	1.00	1.23	11,701	11,701	1.00	1.28
32	90	20	68	17,925	17,925	1.00	0.94	17,178	17,178	1.00	1.03	16,183	16,183	1.00	1.13	15,000	15,000	1.00	1.22	13,817	13,817	1.00	1.28	12,822	12,822	1.00	1.34
32	90	22	72	18,921	17,521	0.93	0.98	18,299	16,945	0.93	1.09	17,178	15,907	0.93	1.18	16,058	14,870	0.93	1.27	14,938	13,832	0.93	1.33	13,693	12,680	0.93	1.37

PEAD-AA18NL/SUZ-AA18NL

Cooling

CAPACITY (Btu/h): 18,000 INPUT (kW): 1.41 SHF: 0.82

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	18,859	13,503	0.72	0.93	17,739	12,701	0.72	1.06	16,320	11,685	0.72	1.16	14,976	10,723	0.72	1.26	13,631	9,760	0.72	1.32	12,287	8,797	0.72	1.38
19	68	18	64	20,614	12,286	0.60	1.03	19,494	11,618	0.60	1.16	18,075	10,773	0.60	1.26	16,730	9,971	0.60	1.35	15,386	9,170	0.60	1.42	14,041	8,369	0.60	1.48
20	68	16	61	18,859	14,258	0.76	0.93	17,739	13,411	0.76	1.06	16,320	12,338	0.76	1.16	14,976	11,322	0.76	1.26	13,631	10,305	0.76	1.32	12,287	9,289	0.76	1.38
20	68	18	64	20,614	13,111	0.64	1.03	19,494	12,398	0.64	1.16	18,075	11,496	0.64	1.26	16,730	10,640	0.64	1.35	15,386	9,785	0.64	1.42	14,041	8,930	0.64	1.48
20	68	20	68	21,510	11,099	0.52	1.09	20,614	10,637	0.52	1.18	19,419	10,020	0.52	1.30	18,000	9,288	0.52	1.41	16,581	8,556	0.52	1.48	15,386	7,939	0.52	1.55
22	72	16	61	18,859	15,766	0.84	0.93	17,739	14,830	0.84	1.06	16,320	13,644	0.84	1.16	14,976	12,520	0.84	1.26	13,631	11,396	0.84	1.32	12,287	10,272	0.84	1.38
22	72	18	64	20,614	14,760	0.72	1.03	19,494	13,958	0.72	1.16	18,075	12,941	0.72	1.26	16,730	11,979	0.72	1.35	15,386	11,016	0.72	1.42	14,041	10,054	0.72	1.48
22	72	20	68	21,510	12,820	0.60	1.09	20,614	12,286	0.60	1.18	19,419	11,574	0.60	1.30	18,000	10,728	0.60	1.41	16,581	9,882	0.60	1.48	15,386	9,170	0.60	1.55
24	75	16	61	18,859	17,275	0.92	0.93	17,739	16,249	0.92	1.06	16,320	14,949	0.92	1.16	14,976	13,718	0.92	1.26	13,631	12,486	0.92	1.32	12,287	11,255	0.92	1.38
24	75	18	64	20,614	16,409	0.80	1.03	19,494	15,517	0.80	1.16	18,075	14,387	0.80	1.26	16,730	13,317	0.80	1.35	15,386	12,247	0.80	1.42	14,041	11,177	0.80	1.48
24	75	20	68	21,510	14,541	0.68	1.09	20,614	13,935	0.68	1.18	19,419	13,127	0.68	1.30	18,000	12,168	0.68	1.41	16,581	11,209	0.68	1.48	15,386	10,401	0.68	1.55
24	75	22	72	22,705	12,624	0.56	1.13	21,959	12,209	0.56	1.26	20,614	11,461	0.56	1.36	19,270	10,714	0.56	1.47	17,925	9,966	0.56	1.54	16,432	9,136	0.56	1.58
26	79	16	61	18,859	18,784	1.00	0.93	17,739	17,668	1.00	1.06	16,320	16,255	1.00	1.16	14,976	14,916	1.00	1.26	13,631	13,577	1.00	1.32	12,287	12,238	1.00	1.38
26	79	18	64	20,614	18,058	0.88	1.03	19,494	17,077	0.88	1.16	18,075	15,833	0.88	1.26	16,730	14,656	0.88	1.35	15,386	13,478	0.88	1.42	14,041	12,300	0.88	1.48
26	79	20	68	21,510	16,262	0.76	1.09	20,614	15,584	0.76	1.18	19,419	14,681	0.76	1.30	18,000	13,608	0.76	1.41	16,581	12,535	0.76	1.48	15,386	11,632	0.76	1.55
26	79	22	72	22,705	14,441	0.64	1.13	21,959	13,966	0.64	1.26	20,614	13,111	0.64	1.36	19,270	12,256	0.64	1.47	17,925	11,400	0.64	1.54	16,432	10,450	0.64	1.58
27	81	16	61	18,859	18,859	1.00	0.93	17,739	17,739	1.00	1.06	16,320	16,320	1.00	1.16	14,976	14,976	1.00	1.26	13,631	13,631	1.00	1.32	12,287	12,287	1.00	1.38
27	81	18	64	20,614	18,883	0.92	1.03	19,494	17,856	0.92	1.16	18,075	16,556	0.92	1.26	16,730	15,325	0.92	1.35	15,386	14,093	0.92	1.42	14,041	12,862	0.92	1.48
27	81	20	68	21,510	17,122	0.80	1.09	20,614	16,409	0.80	1.18	19,419	15,458	0.80	1.30	18,000	14,328	0.80	1.41	16,581	13,198	0.80	1.48	15,386	12,292	0.80	1.55
27	81	22	72	22,705	15,349	0.68	1.13	21,959	14,844	0.68	1.26	20,614	13,935	0.68	1.36	19,270	13,026	0.68	1.47	17,925	12,118	0.68	1.54	16,432	11,108	0.68	1.58
28	82	16	61	18,859	18,859	1.00	0.93	17,739	17,739	1.00	1.06	16,320	16,320	1.00	1.16	14,976	14,976	1.00	1.26	13,631	13,631	1.00	1.32	12,287	12,287	1.00	1.38
28	82	18	64	20,614	19,707	0.96	1.03	19,494	18,636	0.96	1.16	18,075	17,279	0.96	1.26	16,730	15,994	0.96	1.35	15,386	14,709	0.96	1.42	14,041	13,424	0.96	1.48
28	82	20	68	21,510	17,983	0.84	1.09	20,614	17,233	0.84	1.18	19,419	16,234	0.84	1.30	18,000	15,048	0.84	1.41	16,581	13,862	0.84	1.48	15,386	12,863	0.84	1.55
28	82	22	72	22,705	16,257	0.72	1.13	21,959	15,722	0.72	1.26	20,614	14,760	0.72	1.36	19,270	13,797	0.72	1.47	17,925	12,835	0.72	1.54	16,432	11,765	0.72	1.58
30	86	16	61	18,859	18,859	1.00	0.93	17,739	17,739	1.00	1.06	16,320	16,320	1.00	1.16	14,976	14,976	1.00	1.26	13,631	13,631	1.00	1.32	12,287	12,287	1.00	1.38
30	86	18	64	20,614	20,614	1.00	1.03	19,494	19,494	1.00	1.16	18,075	18,075	1.00	1.26	16,730	16,730	1.00	1.35	15,386	15,386	1.00	1.42	14,041	14,041	1.00	1.48
30	86	20	68	21,510	19,704	0.92	1.09	20,614	18,883	0.92	1.18	19,419	17,788	0.92	1.30	18,000	16,488	0.92	1.41	16,581	15,188	0.92	1.48	15,386	14,093	0.92	1.55
30	86	22	72	22,705	18,073	0.80	1.13	21,959	17,479	0.80	1.26	20,614	16,409	0.80	1.36	19,270	15,339	0.80	1.47	17,925	14,269	0.80	1.54	16,432	13,080	0.80	1.58
32	90	16	61	18,859	18,859	1.00	0.93	17,739	17,739	1.00	1.06	16,320	16,320	1.00	1.16	14,976	14,976	1.00	1.26	13,631	13,631	1.00	1.32	12,287	12,287	1.00	1.38
32	90	18	64	20,614	20,614	1.00	1.03	19,494	19,494	1.00	1.16	18,075	18,075	1.00	1.26	16,730	16,730	1.00	1.35	15,386	15,386	1.00	1.42	14,041	14,041	1.00	1.48
32	90	20	68	21,510	21,424	1.00	1.09	20,614	20,532	1.00	1.18	19,419	19,341	1.00	1.30	18,000	17,928	1.00	1.41	16,581	16,515	1.00	1.48	15,386	15,341	1.00	1.55
32	90	22	72	22,705	19,890	0.88	1.13	21,959	19,236	0.88	1.26	20,614	18,058	0.88	1.36	19,270	16,880	0.88	1.47	17,925	15,703	0.88	1.54	16,432	14,394	0.88	1.58

PEAD-AA24NL/SUZ-AA24NL

Cooling

CAPACITY (Btu/h): 24,000 INPUT (kW): 1.9 SHF: 0.79

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	25,146	17,250	0.69	1.26	23,652	16,225	0.69	1.43	21,760	14,927	0.69	1.56	19,967	13,698	0.69	1.69	18,175	12,468	0.69	1.78	16,382	11,238	0.69	1.87
19	68	18	64	27,485	15,557	0.57	1.39	25,992	14,711	0.57	1.56	24,100	13,640	0.57	1.69	22,307	12,626	0.57	1.82	20,515	11,611	0.57	1.91	18,722	10,597	0.57	2.00
20	68	16	61	25,146	18,256	0.73	1.26	23,652	17,171	0.73	1.43	21,760	15,798	0.73	1.56	19,967	14,496	0.73	1.69	18,175	13,195	0.73	1.78	16,382	11,894	0.73	1.87
20	68	18	64	27,485	16,656	0.61	1.39	25,992	15,751	0.61	1.56	24,100	14,604	0.61	1.69	22,307	13,518	0.61	1.82	20,515	12,432	0.61	1.91	18,722	11,346	0.61	2.00
20	68	20	68	28,680	13,939	0.49	1.47	27,485	13,358	0.49	1.60	25,892	12,584	0.49	1.75	24,000	11,664	0.49	1.90	22,108	10,744	0.49	2.00	20,515	9,970	0.49	2.08
22	72	16	61	25,146	20,268	0.81	1.26	23,652	19,064	0.81	1.43	21,760	17,539	0.81	1.56	19,967	16,094	0.81	1.69	18,175	14,649	0.81	1.78	16,382	13,204	0.81	1.87
22	72	18	64	27,485	18,855	0.69	1.39	25,992	17,830	0.69	1.56	24,100	16,532	0.69	1.69	22,307	15,303	0.69	1.82	20,515	14,073	0.69	1.91	18,722	12,843	0.69	2.00
22	72	20	68	28,680	16,233	0.57	1.47	27,485	15,557	0.57	1.60	25,892	14,655	0.57	1.75	24,000	13,584	0.57	1.90	22,108	12,513	0.57	2.00	20,515	11,611	0.57	2.08
24	75	16	61	25,146	22,279	0.89	1.26	23,652	20,956	0.89	1.43	21,760	19,279	0.89	1.56	19,967	17,691	0.89	1.69	18,175	16,103	0.89	1.78	16,382	14,515	0.89	1.87
24	75	18	64	27,485	21,054	0.77	1.39	25,992	19,910	0.77	1.56	24,100	18,460	0.77	1.69	22,307	17,087	0.77	1.82	20,515	15,714	0.77	1.91	18,722	14,341	0.77	2.00
24	75	20	68	28,680	18,528	0.65	1.47	27,485	17,756	0.65	1.60	25,892	16,726	0.65	1.75	24,000	15,504	0.65	1.90	22,108	14,282	0.65	2.00	20,515	13,252	0.65	2.08
24	75	22	72	30,274	15,924	0.53	1.53	29,278	15,400	0.53	1.69	27,485	14,457	0.53	1.84	25,693	13,514	0.53	1.98	23,900	12,572	0.53	2.07	21,909	11,524	0.53	2.13
26	79	16	61	25,146	24,291	0.97	1.26	23,652	22,848	0.97	1.43	21,760	21,020	0.97	1.56	19,967	19,289	0.97	1.69	18,175	17,557	0.97	1.78	16,382	15,825	0.97	1.87
26	79	18	64	27,485	23,253	0.85	1.39	25,992	21,989	0.85	1.56	24,100	20,388	0.85	1.69	22,307	18,872	0.85	1.82	20,515	17,355	0.85	1.91	18,722	15,839	0.85	2.00
26	79	20	68	28,680	20,822	0.73	1.47	27,485	19,954	0.73	1.60	25,892	18,798	0.73	1.75	24,000	17,424	0.73	1.90	22,108	16,050	0.73	2.00	20,515	14,894	0.73	2.08
26	79	22	72	30,274	18,346	0.61	1.53	29,278	17,742	0.61	1.69	27,485	16,656	0.61	1.84	25,693	15,570	0.61	1.98	23,900	14,484	0.61	2.07	21,909	13,277	0.61	2.13
27	81	16	61	25,146	25,146	1.00	1.26	23,652	23,652	1.00	1.43	21,760	21,760	1.00	1.56	19,967	19,967	1.00	1.69	18,175	18,175	1.00	1.78	16,382	16,382	1.00	1.87
27	81	18	64	27,485	24,352	0.89	1.39	25,992	23,029	0.89	1.56	24,100	21,352	0.89	1.69	22,307	19,764	0.89	1.82	20,515	18,176	0.89	1.91	18,722	16,588	0.89	2.00
27	81	20	68	28,680	21,969	0.77	1.47	27,485	21,029	0.77	1.60	25,892	19,833	0.77	1.75	24,000	18,384	0.77	1.90	22,108	16,935	0.77	2.00	20,515	15,714	0.77	2.08
27	81	22	72	30,274	19,557	0.65	1.53	29,278	18,914	0.65	1.69	27,485	17,756	0.65	1.84	25,693	16,598	0.65	1.98	23,900	15,440	0.65	2.07	21,909	14,153	0.65	2.13
28	82	16	61	25,146	25,146	1.00	1.26	23,652	23,652	1.00	1.43	21,760	21,760	1.00	1.56	19,967	19,967	1.00	1.69	18,175	18,175	1.00	1.78	16,382	16,382	1.00	1.87
28	82	18	64	27,485	25,452	0.93	1.39	25,992	24,068	0.93	1.56	24,100	22,316	0.93	1.69	22,307	20,656	0.93	1.82	20,515	18,996	0.93	1.91	18,722	17,337	0.93	2.00
28	82	20	68	28,680	23,116	0.81	1.47	27,485	22,153	0.81	1.60	25,892	20,869	0.81	1.75	24,000	19,344	0.81	1.90	22,108	17,819	0.81	2.00	20,515	16,535	0.81	2.08
28	82	22	72	30,274	20,768	0.69	1.53	29,278	20,085	0.69	1.69	27,485	18,855	0.69	1.84	25,693	17,625	0.69	1.98	23,900	16,396	0.69	2.07	21,909	15,029	0.69	2.13
30	86	16	61	25,146	25,146	1.00	1.26	23,652	23,652	1.00	1.43	21,760	21,760	1.00	1.56	19,967	19,967	1.00	1.69	18,175	18,175	1.00	1.78	16,382	16,382	1.00	1.87
30	86	18	64	27,485	27,485	1.00	1.39	25,992	25,992	1.00	1.56	24,100	24,100	1.00	1.69	22,307	22,307	1.00	1.82	20,515	20,515	1.00	1.91	18,722	18,722	1.00	2.00
30	86	20	68	28,680	25,411	0.89	1.47	27,485	24,352	0.89	1.60	25,892	22,940	0.89	1.75	24,000	21,264	0.89	1.90	22,108	19,588	0.89	2.00	20,515	18,176	0.89	2.08
30	86	22	72	30,274	23,190	0.77	1.53	29,278	22,427	0.77	1.69	27,485	21,054	0.77	1.84	25,693	19,681	0.77	1.98	23,900	18,308	0.77	2.07	21,909	16,782	0.77	2.13
32	90	16	61	25,146	25,146	1.00	1.26	23,652	23,652	1.00	1.43	21,760	21,760	1.00	1.56	19,967	19,967	1.00	1.69	18,175	18,175	1.00	1.78	16,382	16,382	1.00	1.87
32	90	18	64	27,485	27,485	1.00	1.39	25,992	25,992	1.00	1.56	24,100	24,100	1.00	1.69	22,307	22,307	1.00	1.82	20,515	20,515	1.00	1.91	18,722	18,722	1.00	2.00
32	90	20	68	28,680	27,705	0.97	1.47	27,485	26,551	0.97	1.60	25,892	25,012	0.97	1.75	24,000	23,184	0.97	1.90	22,108	21,356	0.97	2.00	20,515	19,817	0.97	2.08
32	90	22	72	30,274	25,612	0.85	1.53	29,278	24,769	0.85	1.69	27,485	23,253	0.85	1.84	25,693	21,736	0.85	1.98	23,900	20,220	0.85	2.07	21,909	18,535	0.85	2.13

PEAD-AA30NL/SUZ-AA30NL

Cooling

CAPACITY (Btu/h): 27,000 INPUT (kW): 2.27 SHF: 0.82

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	28,289	20,255	0.72	1.50	26,609	19,052	0.72	1.71	24,480	17,528	0.72	1.87	22,463	16,084	0.72	2.02	20,447	14,640	0.72	2.13	18,430	13,196	0.72	2.23
19	68	18	64	30,921	18,429	0.60	1.66	29,241	17,427	0.60	1.86	27,112	16,159	0.60	2.02	25,095	14,957	0.60	2.18	23,079	13,755	0.60	2.28	21,062	12,553	0.60	2.38
20	68	16	61	28,289	21,387	0.76	1.50	26,609	20,116	0.76	1.71	24,480	18,507	0.76	1.87	22,463	16,982	0.76	2.02	20,447	15,458	0.76	2.13	18,430	13,933	0.76	2.23
20	68	18	64	30,921	19,666	0.64	1.66	29,241	18,597	0.64	1.86	27,112	17,243	0.64	2.02	25,095	15,961	0.64	2.18	23,079	14,678	0.64	2.28	21,062	13,396	0.64	2.38
20	68	20	68	32,266	16,649	0.52	1.75	30,921	15,955	0.52	1.91	29,129	15,030	0.52	2.09	27,000	13,932	0.52	2.27	24,871	12,834	0.52	2.38	23,079	11,909	0.52	2.49
22	72	16	61	28,289	23,650	0.84	1.50	26,609	22,245	0.84	1.71	24,480	20,465	0.84	1.87	22,463	18,779	0.84	2.02	20,447	17,094	0.84	2.13	18,430	15,408	0.84	2.23
22	72	18	64	30,921	22,140	0.72	1.66	29,241	20,936	0.72	1.86	27,112	19,412	0.72	2.02	25,095	17,968	0.72	2.18	23,079	16,524	0.72	2.28	21,062	15,081	0.72	2.38
22	72	20	68	32,266	19,230	0.60	1.75	30,921	18,429	0.60	1.91	29,129	17,361	0.60	2.09	27,000	16,092	0.60	2.27	24,871	14,823	0.60	2.38	23,079	13,755	0.60	2.49
24	75	16	61	28,289	25,913	0.92	1.50	26,609	24,373	0.92	1.71	24,480	22,424	0.92	1.87	22,463	20,576	0.92	2.02	20,447	18,729	0.92	2.13	18,430	16,882	0.92	2.23
24	75	18	64	30,921	24,613	0.80	1.66	29,241	23,276	0.80	1.86	27,112	21,581	0.80	2.02	25,095	19,976	0.80	2.18	23,079	18,371	0.80	2.28	21,062	16,766	0.80	2.38
24	75	20	68	32,266	21,812	0.68	1.75	30,921	20,903	0.68	1.91	29,129	19,691	0.68	2.09	27,000	18,252	0.68	2.27	24,871	16,813	0.68	2.38	23,079	15,601	0.68	2.49
24	75	22	72	34,058	18,936	0.56	1.82	32,938	18,313	0.56	2.02	30,921	17,192	0.56	2.20	28,905	16,071	0.56	2.36	26,888	14,950	0.56	2.48	24,647	13,704	0.56	2.55
26	79	16	61	28,289	28,176	1.00	1.50	26,609	26,502	1.00	1.71	24,480	24,382	1.00	1.87	22,463	22,374	1.00	2.02	20,447	20,365	1.00	2.13	18,430	18,356	1.00	2.23
26	79	18	64	30,921	27,087	0.88	1.66	29,241	25,615	0.88	1.86	27,112	23,750	0.88	2.02	25,095	21,984	0.88	2.18	23,079	20,217	0.88	2.28	21,062	18,451	0.88	2.38
26	79	20	68	32,266	24,393	0.76	1.75	30,921	23,676	0.76	1.91	29,129	22,021	0.76	2.09	27,000	20,412	0.76	2.27	24,871	18,803	0.76	2.38	23,079	17,448	0.76	2.49
26	79	22	72	34,058	21,661	0.64	1.82	32,938	20,948	0.64	2.02	30,921	19,666	0.64	2.20	28,905	18,383	0.64	2.36	26,888	17,101	0.64	2.48	24,647	15,676	0.64	2.55
27	81	16	61	28,289	28,289	1.00	1.50	26,609	26,609	1.00	1.71	24,480	24,480	1.00	1.87	22,463	22,463	1.00	2.02	20,447	20,447	1.00	2.13	18,430	18,430	1.00	2.23
27	81	18	64	30,921	28,324	0.92	1.66	29,241	26,784	0.92	1.86	27,112	23,835	0.92	2.02	25,095	22,987	0.92	2.18	23,079	21,140	0.92	2.28	21,062	19,293	0.92	2.38
27	81	20	68	32,266	25,683	0.80	1.75	30,921	24,613	0.80	1.91	29,129	23,186	0.80	2.09	27,000	21,492	0.80	2.27	24,871	19,798	0.80	2.38	23,079	18,371	0.80	2.49
27	81	22	72	34,058	23,023	0.68	1.82	32,938	22,266	0.68	2.02	30,921	20,903	0.68	2.20	28,905	19,539	0.68	2.36	26,888	18,176	0.68	2.48	24,647	16,662	0.68	2.55
28	82	16	61	28,289	28,289	1.00	1.50	26,609	26,609	1.00	1.71	24,480	24,480	1.00	1.87	22,463	22,463	1.00	2.02	20,447	20,447	1.00	2.13	18,430	18,430	1.00	2.23
28	82	18	64	30,921	29,561	0.96	1.66	29,241	27,954	0.96	1.86	27,112	25,919	0.96	2.02	25,095	23,991	0.96	2.18	23,079	22,063	0.96	2.28	21,062	20,136	0.96	2.38
28	82	20	68	32,266	26,974	0.84	1.75	30,921	25,850	0.84	1.91	29,129	24,352	0.84	2.09	27,000	22,572	0.84	2.27	24,871	20,792	0.84	2.38	23,079	19,294	0.84	2.49
28	82	22	72	34,058	24,386	0.72	1.82	32,938	23,583	0.72	2.02	30,921	22,140	0.72	2.20	28,905	20,696	0.72	2.36	26,888	19,252	0.72	2.48	24,647	17,647	0.72	2.55
30	86	16	61	28,289	28,289	1.00	1.50	26,609	26,609	1.00	1.71	24,480	24,480	1.00	1.87	22,463	22,463	1.00	2.02	20,447	20,447	1.00	2.13	18,430	18,430	1.00	2.23
30	86	18	64	30,921	30,921	1.00	1.66	29,241	29,241	1.00	1.86	27,112	27,112	1.00	2.02	25,095	25,095	1.00	2.18	23,079	23,079	1.00	2.28	21,062	21,062	1.00	2.38
30	86	20	68	32,266	29,555	0.92	1.75	30,921	28,324	0.92	1.91	29,129	26,682	0.92	2.09	27,000	24,732	0.92	2.27	24,871	22,782	0.92	2.38	23,079	21,140	0.92	2.49
30	86	22	72	34,058	27,110	0.80	1.82	32,938	26,218	0.80	2.02	30,921	24,613	0.80	2.20	28,905	23,008	0.80	2.36	26,888	21,403	0.80	2.48	24,647	19,619	0.80	2.55
32	90	16	61	28,289	28,289	1.00	1.50	26,609	26,609	1.00	1.71	24,480	24,480	1.00	1.87	22,463	22,463	1.00	2.02	20,447	20,447	1.00	2.13	18,430	18,430	1.00	2.23
32	90	18	64	30,921	30,921	1.00	1.66	29,241	29,241	1.00	1.86	27,112	27,112	1.00	2.02	25,095	25,095	1.00	2.18	23,079	23,079	1.00	2.28	21,062	21,062	1.00	2.38
32	90	20	68	32,266	32,136	1.00	1.75	30,921	30,797	1.00	1.91	29,129	29,012	1.00	2.09	27,000	26,892	1.00	2.27	24,871	24,772	1.00	2.38	23,079	22,987	1.00	2.49
32	90	22	72	34,058	29,835	0.88	1.82	32,938	28,853	0.88	2.02	30,921	27,087	0.88	2.20	28,905	25,320	0.88	2.36	26,888	23,554	0.88	2.48	24,647	21,991	0.88	2.55

PEAD-AA36NL/SUZ-AA36NL

Cooling

CAPACITY (Btu/h): 33,000 INPUT (kW): 3.07 SHF: 0.85

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																											
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115							
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.				
19	68	16	61	34,576	25,793	0.75	2.03	32,522	24,261	0.75	2.31	29,920	22,320	0.75	2.52	27,455	20,482	0.75	2.73	24,991	18,643	0.75	2.88	22,526	16,804	0.75	3.02				
19	68	18	64	37,793	23,658	0.63	2.24	35,739	22,372	0.63	2.52	33,137	20,744	0.63	2.73	30,672	19,201	0.63	2.94	28,207	17,658	0.63	3.08	25,743	16,115	0.63	3.22				
20	68	16	61	34,576	27,176	0.79	2.03	32,522	25,562	0.79	2.31	29,920	23,517	0.79	2.52	27,455	21,580	0.79	2.73	24,991	19,643	0.79	2.88	22,526	17,705	0.79	3.02				
20	68	18	64	37,793	25,170	0.67	2.24	35,739	23,802	0.67	2.52	33,137	22,069	0.67	2.73	30,672	20,428	0.67	2.94	28,207	18,786	0.67	3.08	25,743	17,145	0.67	3.22				
20	68	20	68	39,436	21,532	0.55	2.37	37,793	20,635	0.55	2.58	35,602	19,439	0.55	2.83	33,000	18,018	0.55	3.07	30,398	16,597	0.55	3.22	28,207	15,401	0.55	3.36				
22	72	16	61	34,576	29,942	0.87	2.03	32,522	28,164	0.87	2.31	29,920	25,911	0.87	2.52	27,455	23,776	0.87	2.73	24,991	21,642	0.87	2.88	22,526	19,507	0.87	3.02				
22	72	18	64	37,793	28,193	0.75	2.24	35,739	26,661	0.75	2.52	33,137	24,720	0.75	2.73	30,672	22,881	0.75	2.94	28,207	21,043	0.75	3.08	25,743	19,204	0.75	3.22				
22	72	20	68	39,436	24,687	0.63	2.37	37,793	23,658	0.63	2.58	35,602	22,287	0.63	2.83	33,000	20,658	0.63	3.07	30,398	19,029	0.63	3.22	28,207	17,658	0.63	3.36				
24	75	16	61	34,576	32,709	0.95	2.03	32,522	30,765	0.95	2.31	29,920	28,304	0.95	2.52	27,455	25,973	0.95	2.73	24,991	23,641	0.95	2.88	22,526	21,309	0.95	3.02				
24	75	18	64	37,793	31,217	0.83	2.24	35,739	29,520	0.83	2.52	33,137	27,371	0.83	2.73	30,672	25,335	0.83	2.94	28,207	23,299	0.83	3.08	25,743	21,264	0.83	3.22				
24	75	20	68	39,436	27,842	0.71	2.37	37,793	26,682	0.71	2.58	35,602	25,135	0.71	2.83	33,000	23,298	0.71	3.07	30,398	21,461	0.71	3.22	28,207	19,914	0.71	3.36				
24	75	22	72	41,627	24,393	0.59	2.47	40,257	23,591	0.59	2.73	37,793	22,146	0.59	2.97	35,328	20,702	0.59	3.20	32,863	19,258	0.59	3.35	30,124	17,653	0.59	3.45				
26	79	16	61	34,576	34,576	1.00	2.03	32,522	32,522	1.00	2.31	29,920	29,920	1.00	2.52	27,455	27,455	1.00	2.73	24,991	24,991	1.00	2.88	22,526	22,526	1.00	3.02				
26	79	18	64	37,793	34,240	0.91	2.24	35,739	32,379	0.91	2.52	33,137	30,022	0.91	2.73	30,672	27,789	0.91	2.94	28,207	25,556	0.91	3.08	25,743	23,323	0.91	3.22				
26	79	20	68	39,436	30,996	0.79	2.37	37,793	29,705	0.79	2.58	35,602	27,983	0.79	2.83	33,000	25,938	0.79	3.07	30,398	23,893	0.79	3.22	28,207	22,171	0.79	3.36				
26	79	22	72	41,627	27,723	0.67	2.47	40,257	26,811	0.67	2.73	37,793	25,170	0.67	2.97	35,328	23,528	0.67	3.20	32,863	21,887	0.67	3.35	30,124	20,063	0.67	3.45				
27	81	16	61	34,576	34,576	1.00	2.03	32,522	32,522	1.00	2.31	29,920	29,920	1.00	2.52	27,455	27,455	1.00	2.73	24,991	24,991	1.00	2.88	22,526	22,526	1.00	3.02				
27	81	18	64	37,793	35,752	0.95	2.24	35,739	33,809	0.95	2.52	33,137	31,348	0.95	2.73	30,672	29,016	0.95	2.94	28,207	26,684	0.95	3.08	25,743	24,353	0.95	3.22				
27	81	20	68	39,436	32,574	0.83	2.37	37,793	31,217	0.83	2.58	35,602	29,407	0.83	2.83	33,000	27,258	0.83	3.07	30,398	25,109	0.83	3.22	28,207	23,299	0.83	3.36				
27	81	22	72	41,627	29,388	0.71	2.47	40,257	28,422	0.71	2.73	37,793	26,682	0.71	2.97	35,328	24,941	0.71	3.20	32,863	23,201	0.71	3.35	30,124	21,268	0.71	3.45				
28	82	16	61	34,576	34,576	1.00	2.03	32,522	32,522	1.00	2.31	29,920	29,920	1.00	2.52	27,455	27,455	1.00	2.73	24,991	24,991	1.00	2.88	22,526	22,526	1.00	3.02				
28	82	18	64	37,793	37,263	0.99	2.24	35,739	35,238	0.99	2.52	33,137	32,673	0.99	2.73	30,672	30,243	0.99	2.94	28,207	27,813	0.99	3.08	25,743	25,382	0.99	3.22				
28	82	20	68	39,436	34,151	0.87	2.37	37,793	32,728	0.87	2.58	35,602	30,831	0.87	2.83	33,000	28,578	0.87	3.07	30,398	26,325	0.87	3.22	28,207	24,428	0.87	3.36				
28	82	22	72	41,627	31,053	0.75	2.47	40,257	30,032	0.75	2.73	37,793	28,193	0.75	2.97	35,328	26,355	0.75	3.20	32,863	24,516	0.75	3.35	30,124	22,473	0.75	3.45				
30	86	16	61	34,576	34,576	1.00	2.03	32,522	32,522	1.00	2.31	29,920	29,920	1.00	2.52	27,455	27,455	1.00	2.73	24,991	24,991	1.00	2.88	22,526	22,526	1.00	3.02				
30	86	18	64	37,793	37,793	1.00	2.24	35,739	35,739	1.00	2.52	33,137	33,137	1.00	2.73	30,672	30,672	1.00	2.94	28,207	28,207	1.00	3.08	25,743	25,743	1.00	3.22				
30	86	20	68	39,436	37,306	0.95	2.37	37,793	35,752	0.95	2.58	35,602	33,679	0.95	2.83	33,000	31,218	0.95	3.07	30,398	28,757	0.95	3.22	28,207	26,684	0.95	3.36				
30	86	22	72	41,627	34,384	0.83	2.47	40,257	33,252	0.83	2.73	37,793	31,217	0.83	2.97	35,328	29,181	0.83	3.20	32,863	27,145	0.83	3.35	30,124	24,883	0.83	3.45				
32	90	16	61	34,576	34,576	1.00	2.03	32,522	32,522	1.00	2.31	29,920	29,920	1.00	2.52	27,455	27,455	1.00	2.73	24,991	24,991	1.00	2.88	22,526	22,526	1.00	3.02				
32	90	18	64	37,793	37,793	1.00	2.24	35,739	35,739	1.00	2.52	33,137	33,137	1.00	2.73	30,672	30,672	1.00	2.94	28,207	28,207	1.00	3.08	25,743	25,743	1.00	3.22				
32	90	20	68	39,436	39,436	1.00	2.37	37,793	37,793	1.00	2.58	35,602	35,602	1.00	2.83	33,000	33,000	1.00	3.07	30,398	30,398	1.00	3.22	28,207	28,207	1.00	3.36				
32	90	22	72	41,627	37,714	0.91	2.47	40,257	36,473	0.91	2.73	37,793	34,240	0.91	2.97	35,328	32,007	0.91	3.20	32,863	29,774	0.91	3.35	30,124	27,293	0.91	3.45				

PEAD-AA09-36NL/SUZ-AA09-36NL

Heating

Model Name	Capacity Btu/h	Input kW	Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Outdoor intake air °C/°F D.B.											
					-10 / 14		-5 / 23		0 / 32		5 / 41		10 / 50		15 / 59	
					CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-AA09NL	12,000	0.93	15	59	7,737	0.62	9,422	0.73	10,270	0.78	11,975	0.88	13,690	0.95	15,413	1.00
			20	68	7,317	0.67	9,019	0.78	9,876	0.83	11,587	0.91	13,279	0.98	14,934	1.02
			25	77	6,603	0.71	8,379	0.83	9,263	0.87	11,006	0.96	12,701	1.02	14,324	1.06
PEAD-AA12NL	15,000	1.28	15	59	9,671	0.85	11,778	1.01	12,838	1.08	14,969	1.21	17,112	1.31	19,266	1.37
			20	68	9,146	0.92	11,274	1.07	12,345	1.14	14,483	1.26	16,599	1.35	18,667	1.41
			25	77	8,253	0.98	10,474	1.14	11,578	1.20	13,758	1.32	15,876	1.40	17,905	1.46
PEAD-AA15NL	18,000	1.28	15	59	11,605	0.85	14,134	1.01	15,405	1.08	17,962	1.21	20,535	1.31	23,119	1.37
			20	68	10,975	0.92	13,529	1.07	14,814	1.14	17,380	1.26	19,918	1.35	22,401	1.41
			25	77	9,904	0.98	12,569	1.14	13,894	1.20	16,509	1.32	19,051	1.40	21,486	1.46
PEAD-AA18NL	20,000	1.51	15	59	12,895	1.00	15,704	1.19	17,117	1.27	19,958	1.43	22,816	1.54	25,688	1.62
			20	68	12,194	1.08	15,032	1.27	16,460	1.35	19,311	1.48	22,132	1.59	24,890	1.66
			25	77	11,004	1.16	13,966	1.34	15,438	1.42	18,344	1.55	21,168	1.65	23,873	1.72
PEAD-AA24NL	25,000	2.02	15	59	16,119	1.34	19,630	1.59	21,396	1.70	24,948	1.91	28,521	2.06	32,110	2.16
			20	68	15,243	1.45	18,790	1.70	20,575	1.80	24,139	1.99	27,665	2.13	31,112	2.22
			25	77	13,756	1.55	17,457	1.79	19,297	1.90	22,930	2.08	26,460	2.21	29,841	2.30
PEAD-AA30NL	30,000	2.60	15	59	19,342	1.72	23,556	2.05	25,676	2.19	29,937	2.45	34,225	2.66	38,532	2.79
			20	68	18,292	1.86	22,549	2.18	24,690	2.32	28,967	2.56	33,197	2.74	37,334	2.86
			25	77	16,507	1.99	20,948	2.31	23,157	2.44	27,516	2.67	31,751	2.85	35,810	2.96
PEAD-AA36NL	34,000	2.67	15	59	21,921	1.77	26,697	2.10	29,099	2.25	33,929	2.52	38,788	2.73	43,670	2.86
			20	68	20,730	1.91	25,555	2.24	27,981	2.38	32,829	2.62	37,624	2.81	42,312	2.94
			25	77	18,708	2.04	23,741	2.37	26,244	2.51	31,185	2.75	35,985	2.92	40,584	3.04

PEAD-AA09NL/SUZ-AA09NLHZ

Cooling

CAPACITY (Btu/h): 9,000 INPUT (kW): 0.75 SHF: 0.93

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	9,430	7,789	0.83	0.50	8,870	7,326	0.83	0.56	8,160	6,740	0.83	0.62	7,488	6,185	0.83	0.67	6,816	5,630	0.83	0.70	6,143	5,074	0.83	0.74
19	68	18	64	10,307	7,277	0.71	0.55	9,747	6,881	0.71	0.62	9,037	6,380	0.71	0.67	8,365	5,906	0.71	0.72	7,693	5,431	0.71	0.75	7,021	4,957	0.71	0.79
20	68	16	61	9,430	8,166	0.87	0.50	8,870	7,681	0.87	0.56	8,160	7,067	0.87	0.62	7,488	6,484	0.87	0.67	6,816	5,902	0.87	0.70	6,143	5,320	0.87	0.74
20	68	18	64	10,307	7,689	0.75	0.55	9,747	7,271	0.75	0.62	9,037	6,742	0.75	0.67	8,365	6,240	0.75	0.72	7,693	5,739	0.75	0.75	7,021	5,237	0.75	0.79
20	68	20	68	10,755	6,733	0.63	0.58	10,307	6,452	0.63	0.63	9,710	6,078	0.63	0.69	9,000	5,634	0.63	0.75	8,290	5,190	0.63	0.79	7,693	4,816	0.63	0.82
22	72	16	61	9,430	8,921	0.95	0.50	8,870	8,391	0.95	0.56	8,160	7,719	0.95	0.62	7,488	7,083	0.95	0.67	6,816	6,448	0.95	0.70	6,143	5,812	0.95	0.74
22	72	18	64	10,307	8,514	0.83	0.55	9,747	8,051	0.83	0.62	9,037	7,465	0.83	0.67	8,365	6,910	0.83	0.72	7,693	6,354	0.83	0.75	7,021	5,799	0.83	0.79
22	72	20	68	10,755	7,593	0.71	0.58	10,307	7,277	0.71	0.63	9,710	6,855	0.71	0.69	9,000	6,354	0.71	0.75	8,290	5,853	0.71	0.79	7,693	5,431	0.71	0.82
24	75	16	61	9,430	9,430	1.00	0.50	8,870	8,870	1.00	0.56	8,160	8,160	1.00	0.62	7,488	7,488	1.00	0.67	6,816	6,816	1.00	0.70	6,143	6,143	1.00	0.74
24	75	18	64	10,307	9,338	0.91	0.55	9,747	8,831	0.91	0.62	9,037	8,188	0.91	0.67	8,365	7,579	0.91	0.72	7,693	6,970	0.91	0.75	7,021	6,361	0.91	0.79
24	75	20	68	10,755	8,454	0.79	0.58	10,307	8,101	0.79	0.63	9,710	7,632	0.79	0.69	9,000	7,074	0.79	0.75	8,290	6,516	0.79	0.79	7,693	6,047	0.79	0.82
24	75	22	72	11,353	7,561	0.67	0.60	10,979	7,312	0.67	0.67	10,307	6,864	0.67	0.73	9,635	6,417	0.67	0.78	8,963	5,969	0.67	0.82	8,216	5,472	0.67	0.84
26	79	16	61	9,430	9,430	1.00	0.50	8,870	8,870	1.00	0.56	8,160	8,160	1.00	0.62	7,488	7,488	1.00	0.67	6,816	6,816	1.00	0.70	6,143	6,143	1.00	0.74
26	79	18	64	10,307	10,163	0.99	0.55	9,747	9,610	0.99	0.62	9,037	8,911	0.99	0.67	8,365	8,248	0.99	0.72	7,693	7,585	0.99	0.75	7,021	6,922	0.99	0.79
26	79	20	68	10,755	9,314	0.87	0.58	10,307	8,926	0.87	0.63	9,710	8,408	0.87	0.69	9,000	7,794	0.87	0.75	8,290	7,180	0.87	0.79	7,693	6,662	0.87	0.82
26	79	22	72	11,353	8,469	0.75	0.60	10,979	8,191	0.75	0.67	10,307	7,689	0.75	0.73	9,635	7,188	0.75	0.78	8,963	6,686	0.75	0.82	8,216	6,129	0.75	0.84
27	81	16	61	9,430	9,430	1.00	0.50	8,870	8,870	1.00	0.56	8,160	8,160	1.00	0.62	7,488	7,488	1.00	0.67	6,816	6,816	1.00	0.70	6,143	6,143	1.00	0.74
27	81	18	64	10,307	10,307	1.00	0.55	9,747	9,747	1.00	0.62	9,037	9,037	1.00	0.67	8,365	8,365	1.00	0.72	7,693	7,693	1.00	0.75	7,021	7,021	1.00	0.79
27	81	20	68	10,755	9,744	0.91	0.58	10,307	9,338	0.91	0.63	9,710	8,797	0.91	0.69	9,000	8,154	0.91	0.75	8,290	7,511	0.91	0.79	7,693	6,970	0.91	0.82
27	81	22	72	11,353	8,923	0.79	0.60	10,979	8,630	0.79	0.67	10,307	8,101	0.79	0.73	9,635	7,573	0.79	0.78	8,963	7,045	0.79	0.82	8,216	6,458	0.79	0.84
28	82	16	61	9,430	9,430	1.00	0.50	8,870	8,870	1.00	0.56	8,160	8,160	1.00	0.62	7,488	7,488	1.00	0.67	6,816	6,816	1.00	0.70	6,143	6,143	1.00	0.74
28	82	18	64	10,307	10,307	1.00	0.55	9,747	9,747	1.00	0.62	9,037	9,037	1.00	0.67	8,365	8,365	1.00	0.72	7,693	7,693	1.00	0.75	7,021	7,021	1.00	0.79
28	82	20	68	10,755	10,174	0.95	0.58	10,307	9,750	0.95	0.63	9,710	9,185	0.95	0.69	9,000	8,514	0.95	0.75	8,290	7,843	0.95	0.79	7,693	7,278	0.95	0.82
28	82	22	72	11,353	9,377	0.83	0.60	10,979	9,069	0.83	0.67	10,307	8,514	0.83	0.73	9,635	7,958	0.83	0.78	8,963	7,403	0.83	0.82	8,216	6,786	0.83	0.84
30	86	16	61	9,430	9,430	1.00	0.50	8,870	8,870	1.00	0.56	8,160	8,160	1.00	0.62	7,488	7,488	1.00	0.67	6,816	6,816	1.00	0.70	6,143	6,143	1.00	0.74
30	86	18	64	10,307	10,307	1.00	0.55	9,747	9,747	1.00	0.62	9,037	9,037	1.00	0.67	8,365	8,365	1.00	0.72	7,693	7,693	1.00	0.75	7,021	7,021	1.00	0.79
30	86	20	68	10,755	10,755	1.00	0.58	10,307	10,307	1.00	0.63	9,710	9,710	1.00	0.69	9,000	9,000	1.00	0.75	8,290	8,290	1.00	0.79	7,693	7,693	1.00	0.82
30	86	22	72	11,353	10,286	0.91	0.60	10,979	9,947	0.91	0.67	10,307	9,338	0.91	0.73	9,635	8,729	0.91	0.78	8,963	8,120	0.91	0.82	8,216	7,443	0.91	0.84
32	90	16	61	9,430	9,430	1.00	0.50	8,870	8,870	1.00	0.56	8,160	8,160	1.00	0.62	7,488	7,488	1.00	0.67	6,816	6,816	1.00	0.70	6,143	6,143	1.00	0.74
32	90	18	64	10,307	10,307	1.00	0.55	9,747	9,747	1.00	0.62	9,037	9,037	1.00	0.67	8,365	8,365	1.00	0.72	7,693	7,693	1.00	0.75	7,021	7,021	1.00	0.79
32	90	20	68	10,755	10,755	1.00	0.58	10,307	10,307	1.00	0.63	9,710	9,710	1.00	0.69	9,000	9,000	1.00	0.75	8,290	8,290	1.00	0.79	7,693	7,693	1.00	0.82
32	90	22	72	11,353	11,194	0.99	0.60	10,979	10,826	0.99	0.67	10,307	10,163	0.99	0.73	9,635	9,500	0.99	0.78	8,963	8,837	0.99	0.82	8,216	8,101	0.99	0.84

PEAD-AA12NL/SUZ-AA12NLHZ

Cooling

CAPACITY (Btu/h): 12,000 INPUT (kW): 0.88 SHF: 0.87

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	12,573	9,631	0.77	0.58	11,826	9,059	0.77	0.66	10,880	8,334	0.77	0.72	9,984	7,648	0.77	0.78	9,087	6,961	0.77	0.82	8,191	6,274	0.77	0.86
19	68	18	64	13,743	8,878	0.65	0.64	12,996	8,395	0.65	0.72	12,050	7,784	0.65	0.78	11,154	7,205	0.65	0.84	10,257	6,626	0.65	0.88	9,361	6,047	0.65	0.92
20	68	16	61	12,573	10,134	0.81	0.58	11,826	9,532	0.81	0.66	10,880	8,769	0.81	0.72	9,984	8,047	0.81	0.78	9,087	7,324	0.81	0.82	8,191	6,602	0.81	0.86
20	68	18	64	13,743	9,428	0.69	0.64	12,996	8,915	0.69	0.72	12,050	8,266	0.69	0.78	11,154	7,651	0.69	0.84	10,257	7,036	0.69	0.88	9,361	6,422	0.69	0.92
20	68	20	68	14,340	8,117	0.57	0.68	13,743	7,778	0.57	0.74	12,946	7,327	0.57	0.81	12,000	6,792	0.57	0.88	11,054	6,257	0.57	0.92	10,257	5,806	0.57	0.96
22	72	16	61	12,573	11,140	0.89	0.58	11,826	10,478	0.89	0.66	10,880	9,640	0.89	0.72	9,984	8,846	0.89	0.78	9,087	8,051	0.89	0.82	8,191	7,257	0.89	0.86
22	72	18	64	13,743	10,527	0.77	0.64	12,996	9,955	0.77	0.72	12,050	9,230	0.77	0.78	11,154	8,544	0.77	0.84	10,257	7,857	0.77	0.88	9,361	7,171	0.77	0.92
22	72	20	68	14,340	9,264	0.65	0.68	13,743	8,878	0.65	0.74	12,946	8,363	0.65	0.81	12,000	7,752	0.65	0.88	11,054	7,141	0.65	0.92	10,257	6,626	0.65	0.96
24	75	16	61	12,573	12,145	0.97	0.58	11,826	11,424	0.97	0.66	10,880	10,150	0.97	0.72	9,984	9,644	0.97	0.78	9,087	8,778	0.97	0.82	8,191	7,913	0.97	0.86
24	75	18	64	13,743	11,626	0.85	0.64	12,996	10,994	0.85	0.72	12,050	10,194	0.85	0.78	11,154	9,436	0.85	0.84	10,257	8,678	0.85	0.88	9,361	7,919	0.85	0.92
24	75	20	68	14,340	10,411	0.73	0.68	13,743	9,977	0.73	0.74	12,946	9,399	0.73	0.81	12,000	8,712	0.73	0.88	11,054	8,025	0.73	0.92	10,257	7,447	0.73	0.96
24	75	22	72	15,137	9,173	0.61	0.71	14,639	8,871	0.61	0.78	13,743	8,328	0.61	0.85	12,846	7,785	0.61	0.92	11,950	7,242	0.61	0.96	10,954	6,638	0.61	0.99
26	79	16	61	12,573	12,573	1.00	0.58	11,826	11,826	1.00	0.66	10,880	10,880	1.00	0.72	9,984	9,984	1.00	0.78	9,087	9,087	1.00	0.82	8,191	8,191	1.00	0.86
26	79	18	64	13,743	12,726	0.93	0.64	12,996	12,034	0.93	0.72	12,050	11,158	0.93	0.78	11,154	10,328	0.93	0.84	10,257	9,498	0.93	0.88	9,361	8,668	0.93	0.92
26	79	20	68	14,340	11,558	0.81	0.68	13,743	11,077	0.81	0.74	12,946	10,435	0.81	0.81	12,000	9,672	0.81	0.88	11,054	8,909	0.81	0.92	10,257	8,267	0.81	0.96
26	79	22	72	15,137	10,384	0.69	0.71	14,639	10,042	0.69	0.78	13,743	9,428	0.69	0.85	12,846	8,813	0.69	0.92	11,950	8,198	0.69	0.96	10,954	7,515	0.69	0.99
27	81	16	61	12,573	12,573	1.00	0.58	11,826	11,826	1.00	0.66	10,880	10,880	1.00	0.72	9,984	9,984	1.00	0.78	9,087	9,087	1.00	0.82	8,191	8,191	1.00	0.86
27	81	18	64	13,743	13,275	0.97	0.64	12,996	12,554	0.97	0.72	12,050	11,640	0.97	0.78	11,154	10,774	0.97	0.84	10,257	9,909	0.97	0.88	9,361	9,043	0.97	0.92
27	81	20	68	14,340	12,132	0.85	0.68	13,743	11,626	0.85	0.74	12,946	10,952	0.85	0.81	12,000	10,152	0.85	0.88	11,054	9,352	0.85	0.92	10,257	8,768	0.85	0.96
27	81	22	72	15,137	10,989	0.73	0.71	14,639	10,628	0.73	0.78	13,743	9,977	0.73	0.85	12,846	9,327	0.73	0.92	11,950	8,676	0.73	0.96	10,954	7,953	0.73	0.99
28	82	16	61	12,573	12,573	1.00	0.58	11,826	11,826	1.00	0.66	10,880	10,880	1.00	0.72	9,984	9,984	1.00	0.78	9,087	9,087	1.00	0.82	8,191	8,191	1.00	0.86
28	82	18	64	13,743	13,743	1.00	0.64	12,996	12,996	1.00	0.72	12,050	12,050	1.00	0.78	11,154	11,154	1.00	0.84	10,257	10,257	1.00	0.88	9,361	9,361	1.00	0.92
28	82	20	68	14,340	12,705	0.89	0.68	13,743	12,176	0.89	0.74	12,946	11,470	0.89	0.81	12,000	10,632	0.89	0.88	11,054	9,794	0.89	0.92	10,257	9,088	0.89	0.96
28	82	22	72	15,137	11,595	0.77	0.71	14,639	11,213	0.77	0.78	13,743	10,527	0.77	0.85	12,846	9,840	0.77	0.92	11,950	9,154	0.77	0.96	10,954	8,391	0.77	0.99
30	86	16	61	12,573	12,573	1.00	0.58	11,826	11,826	1.00	0.66	10,880	10,880	1.00	0.72	9,984	9,984	1.00	0.78	9,087	9,087	1.00	0.82	8,191	8,191	1.00	0.86
30	86	18	64	13,743	13,743	1.00	0.64	12,996	12,996	1.00	0.72	12,050	12,050	1.00	0.78	11,154	11,154	1.00	0.84	10,257	10,257	1.00	0.88	9,361	9,361	1.00	0.92
30	86	20	68	14,340	13,853	0.97	0.68	13,743	13,275	0.97	0.74	12,946	12,506	0.97	0.81	12,000	11,592	0.97	0.88	11,054	10,678	0.97	0.92	10,257	9,909	0.97	0.96
30	86	22	72	15,137	12,806	0.85	0.71	14,639	13,285	0.85	0.78	13,743	11,626	0.85	0.85	12,846	10,868	0.85	0.92	11,950	10,110	0.85	0.96	10,954	9,267	0.85	0.99
32	90	16	61	12,573	12,573	1.00	0.58	11,826	11,826	1.00	0.66	10,880	10,880	1.00	0.72	9,984	9,984	1.00	0.78	9,087	9,087	1.00	0.82	8,191	8,191	1.00	0.86
32	90	18	64	13,743	13,743	1.00	0.64	12,996	12,996	1.00	0.72	12,050	12,050	1.00	0.78	11,154	11,154	1.00	0.84	10,257	10,257	1.00	0.88	9,361	9,361	1.00	0.92
32	90	20	68	14,340	14,340	1.00	0.68	13,743	13,743	1.00	0.74	12,946	12,946	1.00	0.81	12,000	12,000	1.00	0.88	11,054	11,054	1.00	0.92	10,257	10,257	1.00	0.96
32	90	22	72	15,137	14,017	0.93	0.71	14,639	13,556	0.93	0.78	13,743	12,726	0.93	0.85	12,846	11,896	0.93	0.92	11,950	11,066	0.93	0.96	10,954	10,144	0.93	0.99

PEAD-AA15NL/SUZ-AA15NLHZ

Cooling

CAPACITY (Btu/h): 15,000 INPUT (kW): 1.15 SHF: 0.88

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	15,716	12,196	0.78	0.76	14,783	11,471	0.78	0.87	13,600	10,554	0.78	0.95	12,480	9,684	0.78	1.02	11,359	8,815	0.78	1.08	10,239	7,945	0.78	1.13
19	68	18	64	17,178	11,269	0.66	0.84	16,245	10,657	0.66	0.94	15,062	9,881	0.66	1.02	13,942	9,146	0.66	1.10	12,822	8,411	0.66	1.16	11,701	7,676	0.66	1.21
20	68	16	61	15,716	12,824	0.82	0.76	14,783	12,063	0.82	0.87	13,600	11,098	0.82	0.95	12,480	10,183	0.82	1.02	11,359	9,269	0.82	1.08	10,239	8,355	0.82	1.13
20	68	18	64	17,178	11,956	0.70	0.84	16,245	11,306	0.70	0.94	15,062	10,483	0.70	1.02	13,942	9,704	0.70	1.10	12,822	8,924	0.70	1.16	11,701	8,144	0.70	1.21
20	68	20	68	17,925	10,325	0.58	0.89	17,178	9,895	0.58	0.97	16,183	9,321	0.58	1.06	15,000	8,640	0.58	1.15	13,817	7,959	0.58	1.21	12,822	7,385	0.58	1.26
22	72	16	61	15,716	14,082	0.90	0.76	14,783	13,245	0.90	0.87	13,600	12,186	0.90	0.95	12,480	11,182	0.90	1.02	11,359	10,178	0.90	1.08	10,239	9,174	0.90	1.13
22	72	18	64	17,178	13,330	0.78	0.84	16,245	12,606	0.78	0.94	15,062	11,688	0.78	1.02	13,942	10,819	0.78	1.10	12,822	9,950	0.78	1.16	11,701	9,080	0.78	1.21
22	72	20	68	17,925	11,759	0.66	0.89	17,178	11,269	0.66	0.97	16,183	10,616	0.66	1.06	15,000	9,840	0.66	1.15	13,817	9,064	0.66	1.21	12,822	8,411	0.66	1.26
24	75	16	61	15,716	15,339	0.98	0.76	14,783	14,428	0.98	0.87	13,600	13,274	0.98	0.95	12,480	12,180	0.98	1.02	11,359	11,087	0.98	1.08	10,239	9,993	0.98	1.13
24	75	18	64	17,178	14,705	0.86	0.84	16,245	13,906	0.86	0.94	15,062	12,893	0.86	1.02	13,942	11,934	0.86	1.10	12,822	10,975	0.86	1.16	11,701	10,016	0.86	1.21
24	75	20	68	17,925	13,193	0.74	0.89	17,178	12,643	0.74	0.97	16,183	11,910	0.74	1.06	15,000	11,040	0.74	1.15	13,817	10,170	0.74	1.21	12,822	9,437	0.74	1.26
24	75	22	72	18,921	11,655	0.62	0.92	18,299	11,272	0.62	1.02	17,178	10,582	0.62	1.11	16,058	9,892	0.62	1.20	14,938	9,202	0.62	1.26	13,693	8,435	0.62	1.29
26	79	16	61	15,716	15,716	1.00	0.76	14,783	14,783	1.00	0.87	13,600	13,600	1.00	0.95	12,480	12,480	1.00	1.02	11,359	11,359	1.00	1.08	10,239	10,239	1.00	1.13
26	79	18	64	17,178	16,079	0.94	0.84	16,245	15,205	0.94	0.94	15,062	14,098	0.94	1.02	13,942	13,050	0.94	1.10	12,822	12,001	0.94	1.16	11,701	10,952	0.94	1.21
26	79	20	68	17,925	14,627	0.82	0.89	17,178	14,018	0.82	0.97	16,183	13,205	0.82	1.06	15,000	12,240	0.82	1.15	13,817	11,275	0.82	1.21	12,822	10,462	0.82	1.26
26	79	22	72	18,921	13,169	0.70	0.92	18,299	12,736	0.70	1.02	17,178	11,956	0.70	1.11	16,058	11,176	0.70	1.20	14,938	10,397	0.70	1.26	13,693	9,530	0.70	1.29
27	81	16	61	15,716	15,716	1.00	0.76	14,783	14,783	1.00	0.87	13,600	13,600	1.00	0.95	12,480	12,480	1.00	1.02	11,359	11,359	1.00	1.08	10,239	10,239	1.00	1.13
27	81	18	64	17,178	16,766	0.98	0.84	16,245	15,855	0.98	0.94	15,062	14,701	0.98	1.02	13,942	13,607	0.98	1.10	12,822	12,514	0.98	1.16	11,701	11,420	0.98	1.21
27	81	20	68	17,925	15,344	0.86	0.89	17,178	14,785	0.86	0.97	16,183	13,852	0.86	1.06	15,000	12,840	0.86	1.15	13,817	11,828	0.86	1.21	12,822	10,975	0.86	1.26
27	81	22	72	18,921	13,926	0.74	0.92	18,299	13,468	0.74	1.02	17,178	12,643	0.74	1.11	16,058	11,819	0.74	1.20	14,938	10,994	0.74	1.26	13,693	10,078	0.74	1.29
28	82	16	61	15,716	15,716	1.00	0.76	14,783	14,783	1.00	0.87	13,600	13,600	1.00	0.95	12,480	12,480	1.00	1.02	11,359	11,359	1.00	1.08	10,239	10,239	1.00	1.13
28	82	18	64	17,178	17,178	1.00	0.84	16,245	16,245	1.00	0.94	15,062	15,062	1.00	1.02	13,942	13,942	1.00	1.10	12,822	12,822	1.00	1.16	11,701	11,701	1.00	1.21
28	82	20	68	17,925	16,061	0.90	0.89	17,178	15,392	0.90	0.97	16,183	14,500	0.90	1.06	15,000	13,440	0.90	1.15	13,817	12,380	0.90	1.21	12,822	11,488	0.90	1.26
28	82	22	72	18,921	14,683	0.78	0.92	18,299	14,200	0.78	1.02	17,178	13,330	0.78	1.11	16,058	12,461	0.78	1.20	14,938	11,592	0.78	1.26	13,693	10,626	0.78	1.29
30	86	16	61	15,716	15,716	1.00	0.76	14,783	14,783	1.00	0.87	13,600	13,600	1.00	0.95	12,480	12,480	1.00	1.02	11,359	11,359	1.00	1.08	10,239	10,239	1.00	1.13
30	86	18	64	17,178	17,178	1.00	0.84	16,245	16,245	1.00	0.94	15,062	15,062	1.00	1.02	13,942	13,942	1.00	1.10	12,822	12,822	1.00	1.16	11,701	11,701	1.00	1.21
30	86	20	68	17,925	17,495	0.98	0.89	17,178	16,766	0.98	0.97	16,183	15,794	0.98	1.06	15,000	14,640	0.98	1.15	13,817	13,486	0.98	1.21	12,822	12,514	0.98	1.26
30	86	22	72	18,921	16,197	0.86	0.92	18,299	15,664	0.86	1.02	17,178	14,705	0.86	1.11	16,058	13,746	0.86	1.20	14,938	12,787	0.86	1.26	13,693	11,721	0.86	1.29
32	90	16	61	15,716	15,716	1.00	0.76	14,783	14,783	1.00	0.87	13,600	13,600	1.00	0.95	12,480	12,480	1.00	1.02	11,359	11,359	1.00	1.08	10,239	10,239	1.00	1.13
32	90	18	64	17,178	17,178	1.00	0.84	16,245	16,245	1.00	0.94	15,062	15,062	1.00	1.02	13,942	13,942	1.00	1.10	12,822	12,822	1.00	1.16	11,701	11,701	1.00	1.21
32	90	20	68	17,925	17,925	1.00	0.89	17,178	17,178	1.00	0.97	16,183	16,183	1.00	1.06	15,000	15,000	1.00	1.15	13,817	13,817	1.00	1.21	12,822	12,822	1.00	1.26
32	90	22	72	18,921	17,710	0.94	0.92	18,299	17,128	0.94	1.02	17,178	16,079	0.94	1.11	16,058	15,030	0.94	1.20	14,938	13,982	0.94	1.26	13,693	12,817	0.94	1.29

PEAD-AA18NL/SUZ-AA18NLHZ

Cooling

CAPACITY (Btu/h): 18,000 INPUT (kW): 1.41 SHF: 0.82

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	18,859	13,503	0.72	0.93	17,739	12,701	0.72	1.06	16,320	11,685	0.72	1.16	14,976	10,723	0.72	1.26	13,631	9,760	0.72	1.32	12,287	8,797	0.72	1.38
19	68	18	64	20,614	12,286	0.60	1.03	19,494	11,618	0.60	1.16	18,075	10,773	0.60	1.26	16,730	9,971	0.60	1.35	15,386	9,170	0.60	1.42	14,041	8,369	0.60	1.48
20	68	16	61	18,859	14,258	0.76	0.93	17,739	13,411	0.76	1.06	16,320	12,338	0.76	1.16	14,976	11,322	0.76	1.26	13,631	10,305	0.76	1.32	12,287	9,289	0.76	1.38
20	68	18	64	20,614	13,111	0.64	1.03	19,494	12,398	0.64	1.16	18,075	11,496	0.64	1.26	16,730	10,640	0.64	1.35	15,386	9,785	0.64	1.42	14,041	8,930	0.64	1.48
20	68	20	68	21,510	11,099	0.52	1.09	20,614	10,637	0.52	1.18	19,419	10,020	0.52	1.30	18,000	9,288	0.52	1.41	16,581	8,556	0.52	1.48	15,386	7,939	0.52	1.55
22	72	16	61	18,859	15,766	0.84	0.93	17,739	14,830	0.84	1.06	16,320	13,644	0.84	1.16	14,976	12,520	0.84	1.26	13,631	11,396	0.84	1.32	12,287	10,272	0.84	1.38
22	72	18	64	20,614	14,760	0.72	1.03	19,494	13,958	0.72	1.16	18,075	12,941	0.72	1.26	16,730	11,979	0.72	1.35	15,386	11,016	0.72	1.42	14,041	10,054	0.72	1.48
22	72	20	68	21,510	12,820	0.60	1.09	20,614	12,286	0.60	1.18	19,419	11,574	0.60	1.30	18,000	10,728	0.60	1.41	16,581	9,882	0.60	1.48	15,386	9,170	0.60	1.55
24	75	16	61	18,859	17,275	0.92	0.93	17,739	16,249	0.92	1.06	16,320	14,949	0.92	1.16	14,976	13,718	0.92	1.26	13,631	12,486	0.92	1.32	12,287	11,255	0.92	1.38
24	75	18	64	20,614	16,409	0.80	1.03	19,494	15,517	0.80	1.16	18,075	14,387	0.80	1.26	16,730	13,317	0.80	1.35	15,386	12,247	0.80	1.42	14,041	11,177	0.80	1.48
24	75	20	68	21,510	14,541	0.68	1.09	20,614	13,935	0.68	1.18	19,419	13,127	0.68	1.30	18,000	12,168	0.68	1.41	16,581	11,209	0.68	1.48	15,386	10,401	0.68	1.55
24	75	22	72	22,705	12,624	0.56	1.13	21,959	12,209	0.56	1.26	20,614	11,461	0.56	1.36	19,270	10,714	0.56	1.47	17,925	9,966	0.56	1.54	16,432	9,136	0.56	1.58
26	79	16	61	18,859	18,784	1.00	0.93	17,739	17,668	1.00	1.06	16,320	16,255	1.00	1.16	14,976	14,916	1.00	1.26	13,631	13,577	1.00	1.32	12,287	12,238	1.00	1.38
26	79	18	64	20,614	18,058	0.88	1.03	19,494	17,077	0.88	1.16	18,075	15,833	0.88	1.26	16,730	14,656	0.88	1.35	15,386	13,478	0.88	1.42	14,041	12,300	0.88	1.48
26	79	20	68	21,510	16,262	0.76	1.09	20,614	15,584	0.76	1.18	19,419	14,681	0.76	1.30	18,000	13,608	0.76	1.41	16,581	12,535	0.76	1.48	15,386	11,632	0.76	1.55
26	79	22	72	22,705	14,441	0.64	1.13	21,959	13,966	0.64	1.26	20,614	13,111	0.64	1.36	19,270	12,256	0.64	1.47	17,925	11,400	0.64	1.54	16,432	10,456	0.64	1.58
27	81	16	61	18,859	18,859	1.00	0.93	17,739	17,739	1.00	1.06	16,320	16,320	1.00	1.16	14,976	14,976	1.00	1.26	13,631	13,631	1.00	1.32	12,287	12,287	1.00	1.38
27	81	18	64	20,614	18,883	0.92	1.03	19,494	17,856	0.92	1.16	18,075	16,556	0.92	1.26	16,730	15,325	0.92	1.35	15,386	14,093	0.92	1.42	14,041	12,862	0.92	1.48
27	81	20	68	21,510	17,122	0.80	1.09	20,614	16,409	0.80	1.18	19,419	15,458	0.80	1.30	18,000	14,328	0.80	1.41	16,581	13,198	0.80	1.48	15,386	12,247	0.80	1.55
27	81	22	72	22,705	15,349	0.68	1.13	21,959	14,844	0.68	1.26	20,614	13,935	0.68	1.36	19,270	13,026	0.68	1.47	17,925	12,118	0.68	1.54	16,432	11,108	0.68	1.58
28	82	16	61	18,859	18,859	1.00	0.93	17,739	17,739	1.00	1.06	16,320	16,320	1.00	1.16	14,976	14,976	1.00	1.26	13,631	13,631	1.00	1.32	12,287	12,287	1.00	1.38
28	82	18	64	20,614	19,707	0.96	1.03	19,494	18,636	0.96	1.16	18,075	17,279	0.96	1.26	16,730	15,994	0.96	1.35	15,386	14,709	0.96	1.42	14,041	13,424	0.96	1.48
28	82	20	68	21,510	17,983	0.84	1.09	20,614	17,233	0.84	1.18	19,419	16,234	0.84	1.30	18,000	15,048	0.84	1.41	16,581	13,862	0.84	1.48	15,386	12,863	0.84	1.55
28	82	22	72	22,705	16,257	0.72	1.13	21,959	15,722	0.72	1.26	20,614	14,760	0.72	1.36	19,270	13,797	0.72	1.47	17,925	12,835	0.72	1.54	16,432	11,765	0.72	1.58
30	86	16	61	18,859	18,859	1.00	0.93	17,739	17,739	1.00	1.06	16,320	16,320	1.00	1.16	14,976	14,976	1.00	1.26	13,631	13,631	1.00	1.32	12,287	12,287	1.00	1.38
30	86	18	64	20,614	20,614	1.00	1.03	19,494	19,494	1.00	1.16	18,075	18,075	1.00	1.26	16,730	16,730	1.00	1.35	15,386	15,386	1.00	1.42	14,041	14,041	1.00	1.48
30	86	20	68	21,510	19,704	0.92	1.09	20,614	18,883	0.92	1.18	19,419	17,788	0.92	1.30	18,000	16,488	0.92	1.41	16,581	15,188	0.92	1.48	15,386	14,093	0.92	1.55
30	86	22	72	22,705	18,073	0.80	1.13	21,959	17,479	0.80	1.26	20,614	16,409	0.80	1.36	19,270	15,339	0.80	1.47	17,925	14,269	0.80	1.54	16,432	13,080	0.80	1.58
32	90	16	61	18,859	18,859	1.00	0.93	17,739	17,739	1.00	1.06	16,320	16,320	1.00	1.16	14,976	14,976	1.00	1.26	13,631	13,631	1.00	1.32	12,287	12,287	1.00	1.38
32	90	18	64	20,614	20,614	1.00	1.03	19,494	19,494	1.00	1.16	18,075	18,075	1.00	1.26	16,730	16,730	1.00	1.35	15,386	15,386	1.00	1.42	14,041	14,041	1.00	1.48
32	90	20	68	21,510	21,424	1.00	1.09	20,614	20,532	1.00	1.18	19,419	19,341	1.00	1.30	18,000	17,928	1.00	1.41	16,581	16,515	1.00	1.48	15,386	15,341	1.00	1.55
32	90	22	72	22,705	19,890	0.88	1.13	21,959	19,236	0.88	1.26	20,614	18,058	0.88	1.36	19,270	16,800	0.88	1.47	17,925	15,703	0.88	1.54	16,432	14,394	0.88	1.58

PEAD-AA24NL/SUZ-AK24NLHZ

Cooling

CAPACITY (Btu/h): 24,000 INPUT(kW): 1.95 SHF: 0.63

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	25,146	13,227	0.53	1.29	23,652	12,441	0.53	1.47	21,760	11,446	0.53	1.60	19,967	10,503	0.53	1.74	18,175	9,560	0.53	1.83	16,382	8,617	0.53	1.92
19	68	18	64	27,485	11,159	0.41	1.42	25,992	10,553	0.41	1.60	24,100	9,784	0.41	1.74	22,307	9,057	0.41	1.87	20,515	8,329	0.41	1.96	18,722	7,601	0.41	2.05
20	68	16	61	25,146	14,233	0.57	1.29	23,652	13,387	0.57	1.47	21,760	12,316	0.57	1.60	19,967	11,302	0.57	1.74	18,175	10,287	0.57	1.83	16,382	9,272	0.57	1.92
20	68	18	64	27,485	12,259	0.45	1.42	25,992	11,592	0.45	1.60	24,100	10,748	0.45	1.74	22,307	9,949	0.45	1.87	20,515	9,149	0.45	1.96	18,722	8,350	0.45	2.05
20	68	20	68	28,680	9,350	0.33	1.50	27,485	8,960	0.33	1.64	25,892	8,441	0.33	1.80	24,000	7,824	0.33	1.95	22,108	7,207	0.33	2.05	20,515	6,688	0.33	2.14
22	72	16	61	25,146	16,244	0.65	1.29	23,652	15,279	0.65	1.47	21,760	14,057	0.65	1.60	19,967	12,899	0.65	1.74	18,175	11,741	0.65	1.83	16,382	10,583	0.65	1.92
22	72	18	64	27,485	14,457	0.53	1.42	25,992	13,672	0.53	1.60	24,100	12,676	0.53	1.74	22,307	11,734	0.53	1.87	20,515	10,791	0.53	1.96	18,722	9,848	0.53	2.05
22	72	20	68	28,680	11,644	0.41	1.50	27,485	11,159	0.41	1.64	25,892	10,512	0.41	1.80	24,000	9,744	0.41	1.95	22,108	8,976	0.41	2.05	20,515	8,329	0.41	2.14
24	75	16	61	25,146	18,256	0.73	1.29	23,652	17,171	0.73	1.47	21,760	15,798	0.73	1.60	19,967	14,496	0.73	1.74	18,175	13,195	0.73	1.83	16,382	11,894	0.73	1.92
24	75	18	64	27,485	16,656	0.61	1.42	25,992	15,751	0.61	1.60	24,100	14,604	0.61	1.74	22,307	13,518	0.61	1.87	20,515	12,432	0.61	1.96	18,722	11,346	0.61	2.05
24	75	20	68	28,680	13,939	0.49	1.50	27,485	13,358	0.49	1.64	25,892	12,584	0.49	1.80	24,000	11,664	0.49	1.95	22,108	10,744	0.49	2.05	20,515	9,970	0.49	2.14
24	75	22	72	30,274	11,080	0.37	1.57	29,278	10,716	0.37	1.74	27,485	10,060	0.37	1.89	25,693	9,404	0.37	2.03	23,900	8,748	0.37	2.13	21,909	8,019	0.37	2.19
26	79	16	61	25,146	20,268	0.81	1.29	23,652	19,064	0.81	1.47	21,760	17,539	0.81	1.60	19,967	16,094	0.81	1.74	18,175	14,649	0.81	1.83	16,382	13,204	0.81	1.92
26	79	18	64	27,485	18,855	0.69	1.42	25,992	17,830	0.69	1.60	24,100	16,532	0.69	1.74	22,307	15,303	0.69	1.87	20,515	14,073	0.69	1.96	18,722	12,843	0.69	2.05
26	79	20	68	28,680	16,233	0.57	1.50	27,485	15,557	0.57	1.64	25,892	14,655	0.57	1.80	24,000	13,584	0.57	1.95	22,108	12,513	0.57	2.05	20,515	11,611	0.57	2.14
26	79	22	72	30,274	13,502	0.45	1.57	29,278	13,058	0.45	1.74	27,485	12,599	0.45	1.89	25,693	11,459	0.45	2.03	23,900	10,660	0.45	2.13	21,909	9,771	0.45	2.19
27	81	16	61	25,146	21,273	0.85	1.29	23,652	20,010	0.85	1.47	21,760	18,409	0.85	1.60	19,967	16,892	0.85	1.74	18,175	15,376	0.85	1.83	16,382	13,860	0.85	1.92
27	81	18	64	27,485	19,954	0.73	1.42	25,992	18,870	0.73	1.60	24,100	17,496	0.73	1.74	22,307	16,195	0.73	1.87	20,515	14,894	0.73	1.96	18,722	13,592	0.73	2.05
27	81	20	68	28,680	17,380	0.61	1.50	27,485	16,656	0.61	1.64	25,892	15,691	0.61	1.80	24,000	14,544	0.61	1.95	22,108	13,397	0.61	2.05	20,515	12,432	0.61	2.14
27	81	22	72	30,274	14,713	0.49	1.57	29,278	14,229	0.49	1.74	27,485	13,358	0.49	1.89	25,693	12,487	0.49	2.03	23,900	11,616	0.49	2.13	21,909	10,648	0.49	2.19
28	82	16	61	25,146	22,279	0.89	1.29	23,652	20,956	0.89	1.47	21,760	19,279	0.89	1.60	19,967	17,691	0.89	1.74	18,175	16,103	0.89	1.83	16,382	14,515	0.89	1.92
28	82	18	64	27,485	21,054	0.77	1.42	25,992	19,910	0.77	1.60	24,100	18,460	0.77	1.74	22,307	17,087	0.77	1.87	20,515	15,714	0.77	1.96	18,722	14,341	0.77	2.05
28	82	20	68	28,680	18,528	0.65	1.50	27,485	17,756	0.65	1.64	25,892	16,726	0.65	1.80	24,000	15,504	0.65	1.95	22,108	14,282	0.65	2.05	20,515	13,252	0.65	2.14
28	82	22	72	30,274	15,924	0.53	1.57	29,278	15,400	0.53	1.74	27,485	14,457	0.53	1.89	25,693	13,514	0.53	2.03	23,900	12,572	0.53	2.13	21,909	11,524	0.53	2.19
30	86	16	61	25,146	24,291	0.97	1.29	23,652	22,848	0.97	1.47	21,760	21,020	0.97	1.60	19,967	19,289	0.97	1.74	18,175	17,557	0.97	1.83	16,382	15,825	0.97	1.92
30	86	18	64	27,485	23,253	0.85	1.42	25,992	21,989	0.85	1.60	24,100	20,388	0.85	1.74	22,307	18,872	0.85	1.87	20,515	17,355	0.85	1.96	18,722	15,839	0.85	2.05
30	86	20	68	28,680	20,822	0.73	1.50	27,485	19,954	0.73	1.64	25,892	18,798	0.73	1.80	24,000	17,424	0.73	1.95	22,108	16,050	0.73	2.05	20,515	14,894	0.73	2.14
30	86	22	72	30,274	18,346	0.61	1.57	29,278	17,742	0.61	1.74	27,485	16,656	0.61	1.89	25,693	15,570	0.61	2.03	23,900	14,484	0.61	2.13	21,909	13,277	0.61	2.19
32	90	16	61	25,146	25,146	1.00	1.29	23,652	23,652	1.00	1.47	21,760	21,760	1.00	1.60	19,967	19,967	1.00	1.74	18,175	18,175	1.00	1.83	16,382	16,382	1.00	1.92
32	90	18	64	27,485	25,452	0.93	1.42	25,992	24,068	0.93	1.60	24,100	22,316	0.93	1.74	22,307	20,656	0.93	1.87	20,515	18,996	0.93	1.96	18,722	17,337	0.93	2.05
32	90	20	68	28,680	23,116	0.81	1.50	27,485	22,153	0.81	1.64	25,892	20,869	0.81	1.80	24,000	19,344	0.81	1.95	22,108	17,819	0.81	2.05	20,515	16,535	0.81	2.14
32	90	22	72	30,274	20,768	0.69	1.57	29,278	20,085	0.69	1.74	27,485	18,855	0.69	1.89	25,693	17,625	0.69	2.03	23,900	16,396	0.69	2.13	21,909	15,029	0.69	2.19

PEAD-AA30NL/SUZ-AK30NLHZ

Cooling

CAPACITY (Btu/h): 30,000 INPUT(kW): 2.42 SHF: 0.75

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	31,432	20,305	0.65	1.60	29,565	19,099	0.65	1.82	27,200	17,571	0.65	1.99	24,959	16,124	0.65	2.16	22,719	14,676	0.65	2.27	20,478	13,229	0.65	2.38
19	68	18	64	34,357	18,072	0.53	1.77	32,490	17,090	0.53	1.99	30,124	15,845	0.53	2.15	27,884	14,667	0.53	2.32	25,643	13,488	0.53	2.43	23,402	12,310	0.53	2.54
20	68	16	61	31,432	21,563	0.69	1.60	29,565	20,282	0.69	1.82	27,200	18,659	0.69	1.99	24,959	17,122	0.69	2.16	22,719	15,585	0.69	2.27	20,478	14,048	0.69	2.38
20	68	18	64	34,357	19,446	0.57	1.77	32,490	18,389	0.57	1.99	30,124	17,050	0.57	2.15	27,884	15,782	0.57	2.32	25,643	14,514	0.57	2.43	23,402	13,246	0.57	2.54
20	68	20	68	35,851	15,989	0.45	1.87	34,357	15,323	0.45	2.03	32,365	14,435	0.45	2.23	30,000	13,380	0.45	2.42	27,635	12,325	0.45	2.54	25,643	11,437	0.45	2.65
22	72	16	61	31,432	24,077	0.77	1.60	29,565	22,647	0.77	1.82	27,200	20,835	0.77	1.99	24,959	19,119	0.77	2.16	22,719	17,402	0.77	2.27	20,478	15,686	0.77	2.38
22	72	18	64	34,357	22,195	0.65	1.77	32,490	20,988	0.65	1.99	30,124	19,460	0.65	2.15	27,884	18,013	0.65	2.32	25,643	16,565	0.65	2.43	23,402	15,118	0.65	2.54
22	72	20	68	35,851	18,857	0.53	1.87	34,357	18,072	0.53	2.03	32,365	17,024	0.53	2.23	30,000	15,780	0.53	2.42	27,635	14,536	0.53	2.54	25,643	13,488	0.53	2.65
24	75	16	61	31,432	26,592	0.85	1.60	29,565	25,012	0.85	1.82	27,200	23,011	0.85	1.99	24,959	21,116	0.85	2.16	22,719	19,220	0.85	2.27	20,478	17,324	0.85	2.38
24	75	18	64	34,357	24,943	0.73	1.77	32,490	23,587	0.73	1.99	30,124	21,870	0.73	2.15	27,884	20,244	0.73	2.32	25,643	18,617	0.73	2.43	23,402	16,990	0.73	2.54
24	75	20	68	35,851	21,725	0.61	1.87	34,357	20,820	0.61	2.03	32,365	19,613	0.61	2.23	30,000	18,180	0.61	2.42	27,635	16,747	0.61	2.54	25,643	15,540	0.61	2.65
24	75	22	72	37,842	18,391	0.49	1.94	36,598	17,786	0.49	2.15	34,357	16,697	0.49	2.34	32,116	15,608	0.49	2.52	29,876	14,520	0.49	2.64	27,386	13,310	0.49	2.72
26	79	16	61	31,432	29,106	0.93	1.60	29,565	27,377	0.93	1.82	27,200	25,187	0.93	1.99	24,959	23,112	0.93	2.16	22,719	21,037	0.93	2.27	20,478	18,963	0.93	2.38
26	79	18	64	34,357	27,692	0.81	1.77	32,490	26,187	0.81	1.99	30,124	24,280	0.81	2.15	27,884	22,474	0.81	2.32	25,643	20,668	0.81	2.43	23,402	18,862	0.81	2.54
26	79	20	68	35,851	24,594	0.69	1.87	34,357	23,569	0.69	2.03	32,365	22,202	0.69	2.23	30,000	20,580	0.69	2.42	27,635	18,958	0.69	2.54	25,643	17,591	0.69	2.65
26	79	22	72	37,842	21,419	0.57	1.94	36,598	20,714	0.57	2.15	34,357	19,446	0.57	2.34	32,116	18,178	0.57	2.52	29,876	16,910	0.57	2.64	27,386	15,500	0.57	2.72
27	81	16	61	31,432	30,364	0.97	1.60	29,565	28,560	0.97	1.82	27,200	26,275	0.97	1.99	24,959	24,111	0.97	2.16	22,719	21,946	0.97	2.27	20,478	19,782	0.97	2.38
27	81	18	64	34,357	29,068	0.85	1.77	32,490	27,486	0.85	1.99	30,124	25,485	0.85	2.15	27,884	23,590	0.85	2.32	25,643	21,694	0.85	2.43	23,402	19,799	0.85	2.54
27	81	20	68	35,851	26,026	0.73	1.87	34,357	24,943	0.73	2.03	32,365	23,497	0.73	2.23	30,000	21,780	0.73	2.42	27,635	20,063	0.73	2.54	25,643	18,617	0.73	2.65
27	81	22	72	37,842	22,932	0.61	1.94	36,598	22,178	0.61	2.15	34,357	20,820	0.61	2.34	32,116	19,462	0.61	2.52	29,876	18,105	0.61	2.64	27,386	16,596	0.61	2.72
28	82	16	61	31,432	31,432	1.00	1.60	29,565	29,565	1.00	1.82	27,200	27,200	1.00	1.99	24,959	24,959	1.00	2.16	22,719	22,719	1.00	2.27	20,478	20,478	1.00	2.38
28	82	18	64	34,357	30,440	0.89	1.77	32,490	28,786	0.89	1.99	30,124	26,690	0.89	2.15	27,884	24,705	0.89	2.32	25,643	22,720	0.89	2.43	23,402	20,735	0.89	2.54
28	82	20	68	35,851	27,462	0.77	1.87	34,357	26,317	0.77	2.03	32,365	24,792	0.77	2.23	30,000	22,980	0.77	2.42	27,635	21,168	0.77	2.54	25,643	19,643	0.77	2.65
28	82	22	72	37,842	24,446	0.65	1.94	36,598	23,642	0.65	2.15	34,357	22,195	0.65	2.34	32,116	20,747	0.65	2.52	29,876	19,300	0.65	2.64	27,386	17,691	0.65	2.72
30	86	16	61	31,432	31,432	1.00	1.60	29,565	29,565	1.00	1.82	27,200	27,200	1.00	1.99	24,959	24,959	1.00	2.16	22,719	22,719	1.00	2.27	20,478	20,478	1.00	2.38
30	86	18	64	34,357	33,189	0.97	1.77	32,490	31,385	0.97	1.99	30,124	29,100	0.97	2.15	27,884	26,936	0.97	2.32	25,643	24,771	0.97	2.43	23,402	22,607	0.97	2.54
30	86	20	68	35,851	30,330	0.85	1.87	34,357	29,066	0.85	2.03	32,365	27,381	0.85	2.23	30,000	25,380	0.85	2.42	27,635	23,379	0.85	2.54	25,643	21,694	0.85	2.65
30	86	22	72	37,842	27,474	0.73	1.94	36,598	26,070	0.73	2.15	34,357	24,943	0.73	2.34	32,116	23,316	0.73	2.52	29,876	21,690	0.73	2.64	27,386	19,882	0.73	2.72
32	90	16	61	31,432	31,432	1.00	1.60	29,565	29,565	1.00	1.82	27,200	27,200	1.00	1.99	24,959	24,959	1.00	2.16	22,719	22,719	1.00	2.27	20,478	20,478	1.00	2.38
32	90	18	64	34,357	34,357	1.00	1.77	32,490	32,490	1.00	1.99	30,124	30,124	1.00	2.15	27,884	27,884	1.00	2.32	25,643	25,643	1.00	2.43	23,402	23,402	1.00	2.54
32	90	20	68	35,851	33,198	0.93	1.87	34,357	31,814	0.93	2.03	32,365	29,970	0.93	2.23	30,000	27,780	0.93	2.42	27,635	25,590	0.93	2.54	25,643	23,746	0.93	2.65
32	90	22	72	37,842	30,501	0.81	1.94	36,598	29,498	0.81	2.15	34,357	27,692	0.81	2.34	32,116	25,886	0.81	2.52	29,876	24,080	0.81	2.64	27,386	22,073	0.81	2.72

PEAD-AA36NL/SUZ-AK36NLHZ

Cooling

CAPACITY (Btu/h): 36,000 INPUT(kW): 2.91 SHF: 0.65

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	37,719	20,594	0.55	1.93	35,478	19,371	0.55	2.19	32,640	17,821	0.55	2.39	29,951	16,353	0.55	2.59	27,262	14,885	0.55	2.73	24,574	13,417	0.55	2.86
19	68	18	64	41,228	17,563	0.43	2.13	38,988	16,609	0.43	2.39	36,149	15,400	0.43	2.59	33,461	14,254	0.43	2.79	30,772	13,109	0.43	2.92	28,083	11,963	0.43	3.06
20	68	16	61	37,719	22,103	0.59	1.93	35,478	20,790	0.59	2.19	32,640	19,127	0.59	2.39	29,951	17,551	0.59	2.59	27,262	15,976	0.59	2.73	24,574	14,400	0.59	2.86
20	68	18	64	41,228	19,212	0.47	2.13	38,988	18,168	0.47	2.39	36,149	16,846	0.47	2.59	33,461	15,593	0.47	2.79	30,772	14,340	0.47	2.92	28,083	13,087	0.47	3.06
20	68	20	68	43,021	14,885	0.35	2.25	41,228	14,265	0.35	2.44	38,838	13,438	0.35	2.68	36,000	12,456	0.35	2.91	33,162	11,474	0.35	3.06	30,772	10,647	0.35	3.19
22	72	16	61	37,719	25,121	0.67	1.93	35,478	23,628	0.67	2.19	32,640	21,738	0.67	2.39	29,951	19,947	0.67	2.59	27,262	18,157	0.67	2.73	24,574	16,366	0.67	2.86
22	72	18	64	41,228	22,511	0.55	2.13	38,988	21,287	0.55	2.39	36,149	19,738	0.55	2.59	33,461	18,269	0.55	2.79	30,772	16,801	0.55	2.92	28,083	15,333	0.55	3.06
22	72	20	68	43,021	18,327	0.43	2.25	41,228	17,563	0.43	2.44	38,838	16,545	0.43	2.68	36,000	15,336	0.43	2.91	33,162	14,127	0.43	3.06	30,772	13,109	0.43	3.19
24	75	16	61	37,719	28,138	0.75	1.93	35,478	26,467	0.75	2.19	32,640	24,349	0.75	2.39	29,951	22,344	0.75	2.59	27,262	20,338	0.75	2.73	24,574	18,332	0.75	2.86
24	75	18	64	41,228	25,809	0.63	2.13	38,988	24,406	0.63	2.39	36,149	22,630	0.63	2.59	33,461	20,946	0.63	2.79	30,772	19,263	0.63	2.92	28,083	17,580	0.63	3.06
24	75	20	68	43,021	21,768	0.51	2.25	41,228	20,861	0.51	2.44	38,838	19,652	0.51	2.68	36,000	18,216	0.51	2.91	33,162	16,780	0.51	3.06	30,772	15,571	0.51	3.19
24	75	22	72	45,411	17,529	0.39	2.34	43,917	16,952	0.39	2.59	41,228	15,914	0.39	2.82	38,539	14,876	0.39	3.03	35,851	13,838	0.39	3.18	32,863	12,685	0.39	3.27
26	79	16	61	37,719	31,156	0.83	1.93	35,478	29,305	0.83	2.19	32,640	26,961	0.83	2.39	29,951	24,740	0.83	2.59	27,262	22,519	0.83	2.73	24,574	20,298	0.83	2.86
26	79	18	64	41,228	29,107	0.71	2.13	38,988	27,525	0.71	2.39	36,149	25,521	0.71	2.59	33,461	23,623	0.71	2.79	30,772	21,725	0.71	2.92	28,083	19,827	0.71	3.06
26	79	20	68	43,021	25,210	0.59	2.25	41,228	24,160	0.59	2.44	38,838	22,759	0.59	2.68	36,000	21,096	0.59	2.91	33,162	19,433	0.59	3.06	30,772	18,032	0.59	3.19
26	79	22	72	45,411	21,161	0.47	2.34	43,917	20,465	0.47	2.59	41,228	19,212	0.47	2.82	38,539	17,959	0.47	3.03	35,851	16,706	0.47	3.18	32,863	15,314	0.47	3.27
27	81	16	61	37,719	32,665	0.87	1.93	35,478	30,724	0.87	2.19	32,640	28,266	0.87	2.39	29,951	25,938	0.87	2.59	27,262	23,609	0.87	2.73	24,574	21,281	0.87	2.86
27	81	18	64	41,228	30,756	0.75	2.13	38,988	29,085	0.75	2.39	36,149	26,967	0.75	2.59	33,461	24,962	0.75	2.79	30,772	22,956	0.75	2.92	28,083	20,950	0.75	3.06
27	81	20	68	43,021	26,931	0.63	2.25	41,228	25,809	0.63	2.44	38,838	24,313	0.63	2.68	36,000	22,536	0.63	2.91	33,162	20,759	0.63	3.06	30,772	19,263	0.63	3.19
27	81	22	72	45,411	22,978	0.51	2.34	43,917	22,222	0.51	2.59	41,228	20,861	0.51	2.82	38,539	19,501	0.51	3.03	35,851	18,140	0.51	3.18	32,863	16,629	0.51	3.27
28	82	16	61	37,719	34,173	0.91	1.93	35,478	32,143	0.91	2.19	32,640	29,572	0.91	2.39	29,951	27,136	0.91	2.59	27,262	24,700	0.91	2.73	24,574	22,264	0.91	2.86
28	82	18	64	41,228	32,405	0.79	2.13	38,988	30,644	0.79	2.39	36,149	28,413	0.79	2.59	33,461	26,300	0.79	2.79	30,772	24,187	0.79	2.92	28,083	22,073	0.79	3.06
28	82	20	68	43,021	28,652	0.67	2.25	41,228	27,458	0.67	2.44	38,838	25,866	0.67	2.68	36,000	23,976	0.67	2.91	33,162	22,086	0.67	3.06	30,772	20,494	0.67	3.19
28	82	22	72	45,411	24,794	0.55	2.34	43,917	23,979	0.55	2.59	41,228	22,511	0.55	2.82	38,539	21,043	0.55	3.03	35,851	19,574	0.55	3.18	32,863	17,943	0.55	3.27
30	86	16	61	37,719	37,191	0.99	1.93	35,478	34,981	0.99	2.19	32,640	32,183	0.99	2.39	29,951	29,532	0.99	2.59	27,262	26,881	0.99	2.73	24,574	24,230	0.99	2.86
30	86	18	64	41,228	35,704	0.87	2.13	38,988	33,763	0.87	2.39	36,149	31,305	0.87	2.59	33,461	28,977	0.87	2.79	30,772	26,648	0.87	2.92	28,083	24,320	0.87	3.06
30	86	20	68	43,021	32,093	0.75	2.25	41,228	30,756	0.75	2.44	38,838	28,973	0.75	2.68	36,000	26,856	0.75	2.91	33,162	24,739	0.75	3.06	30,772	22,956	0.75	3.19
30	86	22	72	45,411	28,427	0.63	2.34	43,917	27,492	0.63	2.59	41,228	25,809	0.63	2.82	38,539	24,126	0.63	3.03	35,851	22,442	0.63	3.18	32,863	20,572	0.63	3.27
32	90	16	61	37,719	37,719	1.00	1.93	35,478	35,478	1.00	2.19	32,640	32,640	1.00	2.39	29,951	29,951	1.00	2.59	27,262	27,262	1.00	2.73	24,574	24,574	1.00	2.86
32	90	18	64	41,228	39,002	0.95	2.13	38,988	36,882	0.95	2.39	36,149	34,197	0.95	2.59	33,461	31,654	0.95	2.79	30,772	29,110	0.95	2.92	28,083	26,567	0.95	3.06
32	90	20	68	43,021	35,535	0.83	2.25	41,228	34,055	0.83	2.44	38,838	32,080	0.83	2.68	36,000	29,736	0.83	2.91	33,162	27,392	0.83	3.06	30,772	25,417	0.83	3.19
32	90	22	72	45,411	32,060	0.71	2.34	43,917	31,005	0.71	2.59	41,228	29,107	0.71	2.82	38,539	27,209	0.71	3.03	35,851	25,311	0.71	3.18	32,863	23,201	0.71	3.27

Note: CA : Capacity (Btu/h) SHC : Sensible heat capacity (Btu/h) SHF : Sensible heat factor P.C. : Power consumption (kW)
D.B. : Dry-bulb temperature W.B. : Wet-bulb temperature

PEAD-AA09-36NL/SUZ-AA09-18NLHZ, SUZ-AK24-36NLHZ

Heating

Model Name	Capacity Btu/h	Input kW	Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Outdoor intake air °C/°F W.B.											
					-10/14		-5/23		0/32		5/41		10/50		15/59	
					CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-AA09NL	12000	1.01	15	59	8,280	0.79	10,080	0.93	10,980	0.99	12,540	0.98	13,620	1.03	14,880	1.08
			20	68	7,860	0.82	9,660	0.95	10,500	1.01	12,060	1.00	13,140	1.05	14,400	1.10
			25	77	7,560	0.84	9,360	0.98	10,200	1.04	11,640	1.03	12,720	1.08	13,920	1.13
PEAD-AA12NL	15000	1.20	15	59	10,350	0.94	12,600	1.10	13,725	1.18	15,675	1.16	17,025	1.22	18,600	1.28
			20	68	9,825	0.97	12,075	1.13	13,125	1.20	15,075	1.19	16,425	1.25	18,000	1.31
			25	77	9,450	1.00	11,700	1.16	12,750	1.23	14,550	1.22	15,900	1.28	17,400	1.34
PEAD-AA15NL	18000	1.29	15	59	12,420	1.01	15,120	1.19	16,470	1.26	18,810	1.25	20,430	1.31	22,320	1.38
			20	68	11,790	1.04	14,490	1.22	15,750	1.29	18,090	1.28	19,710	1.34	21,600	1.41
			25	77	11,340	1.08	14,040	1.25	15,300	1.33	17,460	1.31	19,080	1.38	20,880	1.44
PEAD-AA18NL	20000	1.51	15	59	13,800	1.19	16,800	1.39	18,300	1.48	20,900	1.46	22,700	1.54	24,800	1.61
			20	68	13,100	1.22	16,100	1.42	17,500	1.52	20,100	1.50	21,900	1.57	24,000	1.65
			25	77	12,600	1.26	15,600	1.46	17,000	1.55	19,400	1.54	21,200	1.61	23,200	1.68
PEAD-AA24NL	25000	1.90	15	59	16,119	1.26	19,630	1.50	21,396	1.60	24,948	1.79	28,521	1.94	32,110	2.04
			20	68	15,243	1.36	18,790	1.59	20,575	1.70	24,139	1.87	27,665	2.00	31,112	2.09
			25	77	13,756	1.45	17,457	1.69	19,297	1.79	22,930	1.95	26,460	2.08	29,841	2.16
PEAD-AA30NL	32000	2.50	15	59	20,632	1.65	25,126	1.97	27,387	2.11	31,933	2.36	36,506	2.55	41,101	2.68
			20	68	19,511	1.79	24,052	2.10	26,336	2.23	30,898	2.46	35,411	2.63	39,823	2.75
			25	77	17,607	1.91	22,345	2.22	24,701	2.35	29,350	2.57	33,868	2.74	38,197	2.85
PEAD-AA36NL	38000	2.70	15	59	24,500	1.79	29,837	2.12	32,522	2.28	37,921	2.55	43,351	2.76	48,808	2.89
			20	68	23,169	1.94	28,562	2.27	31,273	2.41	36,691	2.65	42,050	2.84	47,290	2.97
			25	77	20,908	2.07	26,534	2.40	29,332	2.54	34,853	2.78	40,219	2.96	45,359	3.07

PEAD-AA12NL/PUZ-AK12NL, PUY-AK12NL

Cooling

CAPACITY (Btu/h): 12,000 INPUT(kW): 0.83 SHF: 0.73

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	12,573	7,871	0.63	0.55	11,826	7,403	0.63	0.62	10,880	6,811	0.63	0.68	9,984	6,250	0.63	0.74	9,087	5,689	0.63	0.78	8,191	5,128	0.63	0.82
19	68	18	64	13,743	6,954	0.51	0.61	12,996	6,576	0.51	0.68	12,050	6,097	0.51	0.74	11,154	5,644	0.51	0.80	10,257	5,190	0.51	0.83	9,361	4,737	0.51	0.87
20	68	16	61	12,573	8,374	0.67	0.55	11,826	7,876	0.67	0.62	10,880	7,246	0.67	0.68	9,984	6,649	0.67	0.74	9,087	6,052	0.67	0.78	8,191	5,455	0.67	0.82
20	68	18	64	13,743	7,504	0.55	0.61	12,996	7,096	0.55	0.68	12,050	6,579	0.55	0.74	11,154	6,090	0.55	0.80	10,257	5,600	0.55	0.83	9,361	5,111	0.55	0.87
20	68	20	68	14,340	6,109	0.43	0.64	13,743	5,854	0.43	0.70	12,946	5,515	0.43	0.77	12,000	5,112	0.43	0.83	11,054	4,709	0.43	0.87	10,257	4,370	0.43	0.91
22	72	16	61	12,573	9,379	0.75	0.55	11,826	8,822	0.75	0.62	10,880	8,116	0.75	0.68	9,984	7,448	0.75	0.74	9,087	6,779	0.75	0.78	8,191	6,111	0.75	0.82
22	72	18	64	13,743	8,603	0.63	0.61	12,996	8,135	0.63	0.68	12,050	7,543	0.63	0.74	11,154	6,982	0.63	0.80	10,257	6,421	0.63	0.83	9,361	5,860	0.63	0.87
22	72	20	68	14,340	7,256	0.51	0.64	13,743	6,954	0.51	0.70	12,946	6,551	0.51	0.77	12,000	6,072	0.51	0.83	11,054	5,593	0.51	0.87	10,257	5,190	0.51	0.91
24	75	16	61	12,573	10,385	0.83	0.55	11,826	9,768	0.83	0.62	10,880	8,987	0.83	0.68	9,984	8,247	0.83	0.74	9,087	7,506	0.83	0.78	8,191	6,766	0.83	0.82
24	75	18	64	13,743	9,702	0.71	0.61	12,996	9,175	0.71	0.68	12,050	8,507	0.71	0.74	11,154	7,874	0.71	0.80	10,257	7,242	0.71	0.83	9,361	6,609	0.71	0.87
24	75	20	68	14,340	8,403	0.59	0.64	13,743	8,053	0.59	0.70	12,946	7,586	0.59	0.77	12,000	7,032	0.59	0.83	11,054	6,478	0.59	0.87	10,257	6,011	0.59	0.91
24	75	22	72	15,137	7,054	0.47	0.67	14,639	6,822	0.47	0.74	13,743	6,404	0.47	0.80	12,846	5,986	0.47	0.86	11,950	5,569	0.47	0.91	10,954	5,105	0.47	0.93
26	79	16	61	12,573	11,391	0.91	0.55	11,826	10,714	0.91	0.62	10,880	9,857	0.91	0.68	9,984	9,045	0.91	0.74	9,087	8,233	0.91	0.78	8,191	7,421	0.91	0.82
26	79	18	64	13,743	10,802	0.79	0.61	12,996	10,215	0.79	0.68	12,050	9,471	0.79	0.74	11,154	8,767	0.79	0.80	10,257	8,062	0.79	0.83	9,361	7,358	0.79	0.87
26	79	20	68	14,340	9,551	0.67	0.64	13,743	9,153	0.67	0.70	12,946	8,622	0.67	0.77	12,000	7,992	0.67	0.83	11,054	7,362	0.67	0.87	10,257	6,831	0.67	0.91
26	79	22	72	15,137	8,265	0.55	0.67	14,639	7,993	0.55	0.74	13,743	7,504	0.55	0.80	12,846	7,014	0.55	0.86	11,950	6,525	0.55	0.91	10,954	5,981	0.55	0.93
27	81	16	61	12,573	11,894	0.95	0.55	11,826	11,187	0.95	0.62	10,880	10,292	0.95	0.68	9,984	9,445	0.95	0.74	9,087	8,597	0.95	0.78	8,191	7,749	0.95	0.82
27	81	18	64	13,743	11,352	0.83	0.61	12,996	10,735	0.83	0.68	12,050	9,953	0.83	0.74	11,154	9,213	0.83	0.80	10,257	8,472	0.83	0.83	9,361	7,732	0.83	0.87
27	81	20	68	14,340	10,124	0.71	0.64	13,743	9,702	0.71	0.70	12,946	9,140	0.71	0.77	12,000	8,472	0.71	0.83	11,054	7,804	0.71	0.87	10,257	7,242	0.71	0.91
27	81	22	72	15,137	8,870	0.59	0.67	14,639	8,578	0.59	0.74	13,743	8,053	0.59	0.80	12,846	7,528	0.59	0.86	11,950	7,003	0.59	0.91	10,954	6,419	0.59	0.93
28	82	16	61	12,573	12,397	0.99	0.55	11,826	11,660	0.99	0.62	10,880	10,728	0.99	0.68	9,984	9,844	0.99	0.74	9,087	8,960	0.99	0.78	8,191	8,077	0.99	0.82
28	82	18	64	13,743	11,901	0.87	0.61	12,996	11,254	0.87	0.68	12,050	10,435	0.87	0.74	11,154	9,659	0.87	0.80	10,257	8,883	0.87	0.83	9,361	8,107	0.87	0.87
28	82	20	68	14,340	10,698	0.75	0.64	13,743	10,252	0.75	0.70	12,946	9,658	0.75	0.77	12,000	8,952	0.75	0.83	11,054	8,246	0.75	0.87	10,257	7,652	0.75	0.91
28	82	22	72	15,137	9,476	0.63	0.67	14,639	9,164	0.63	0.74	13,743	8,603	0.63	0.80	12,846	8,042	0.63	0.86	11,950	7,481	0.63	0.91	10,954	6,857	0.63	0.93
30	86	16	61	12,573	12,573	1.00	0.55	11,826	11,826	1.00	0.62	10,880	10,880	1.00	0.68	9,984	9,984	1.00	0.74	9,087	9,087	1.00	0.78	8,191	8,191	1.00	0.82
30	86	18	64	13,743	13,001	0.95	0.61	12,996	12,294	0.95	0.68	12,050	11,399	0.95	0.74	11,154	10,551	0.95	0.80	10,257	9,703	0.95	0.83	9,361	8,856	0.95	0.87
30	86	20	68	14,340	11,845	0.83	0.64	13,743	11,352	0.83	0.70	12,946	10,693	0.83	0.77	12,000	9,912	0.83	0.83	11,054	9,131	0.83	0.87	10,257	8,472	0.83	0.91
30	86	22	72	15,137	10,687	0.71	0.67	14,639	10,335	0.71	0.74	13,743	9,702	0.71	0.80	12,846	9,070	0.71	0.86	11,950	8,437	0.71	0.91	10,954	7,734	0.71	0.93
32	90	16	61	12,573	12,573	1.00	0.55	11,826	11,826	1.00	0.62	10,880	10,880	1.00	0.68	9,984	9,984	1.00	0.74	9,087	9,087	1.00	0.78	8,191	8,191	1.00	0.82
32	90	18	64	13,743	13,743	1.00	0.61	12,996	12,996	1.00	0.68	12,050	12,050	1.00	0.74	11,154	11,154	1.00	0.80	10,257	10,257	1.00	0.83	9,361	9,361	1.00	0.87
32	90	20	68	14,340	12,992	0.91	0.64	13,743	12,451	0.91	0.70	12,946	11,729	0.91	0.77	12,000	10,872	0.91	0.83	11,054	10,015	0.91	0.87	10,257	9,293	0.91	0.91
32	90	22	72	15,137	11,898	0.79	0.67	14,639	11,506	0.79	0.74	13,743	10,802	0.79	0.80	12,846	10,097	0.79	0.86	11,950	9,393	0.79	0.91	10,954	8,610	0.79	0.93

Note: CA : Capacity (Btu/h) SHC : Sensible heat capacity (Btu/h) SHF : Sensible heat factor P.C. : Power consumption (kW)
D.B. : Dry-bulb temperature W.B. : Wet-bulb temperature

PEAD-AA18NL/PUZ-AK18NL, PUY-AK18NL

Cooling

CAPACITY (Btu/h): 18,000 INPUT (kW): 1.53 SHF: 0.65

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																																															
				20 / 68								25 / 77								30 / 86								35 / 95								40 / 104								46 / 115							
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.																				
19	68	16	61	18,859	10,297	0.55	1.01	17,739	9,686	0.55	1.15	16,320	8,911	0.55	1.26	14,976	8,177	0.55	1.36	13,631	7,443	0.55	1.43	12,287	6,709	0.55	1.50																								
19	68	18	64	20,614	8,782	0.43	1.12	19,494	8,304	0.43	1.26	18,075	7,700	0.43	1.36	16,730	7,127	0.43	1.47	15,386	6,554	0.43	1.54	14,041	5,982	0.43	1.61																								
20	68	16	61	18,859	11,052	0.59	1.01	17,739	10,395	0.59	1.15	16,320	9,564	0.59	1.26	14,976	8,776	0.59	1.36	13,631	7,988	0.59	1.43	12,287	7,200	0.59	1.50																								
20	68	18	64	20,614	9,606	0.47	1.12	19,494	9,084	0.47	1.26	18,075	8,423	0.47	1.36	16,730	7,796	0.47	1.47	15,386	7,170	0.47	1.54	14,041	6,543	0.47	1.61																								
20	68	20	68	21,510	7,443	0.35	1.18	20,614	7,132	0.35	1.29	19,419	6,719	0.35	1.41	18,000	6,228	0.35	1.53	16,581	5,737	0.35	1.61	15,386	5,324	0.35	1.68																								
22	72	16	61	18,859	12,560	0.67	1.01	17,739	11,814	0.67	1.15	16,320	10,869	0.67	1.26	14,976	9,974	0.67	1.36	13,631	9,078	0.67	1.43	12,287	8,183	0.67	1.50																								
22	72	18	64	20,614	11,255	0.55	1.12	19,494	10,644	0.55	1.26	18,075	9,869	0.55	1.36	16,730	9,135	0.55	1.47	15,386	8,401	0.55	1.54	14,041	7,687	0.55	1.61																								
22	72	20	68	21,510	9,163	0.43	1.18	20,614	8,782	0.43	1.29	19,419	8,273	0.43	1.41	18,000	7,668	0.43	1.53	16,581	7,063	0.43	1.61	15,386	6,554	0.43	1.68																								
24	75	16	61	18,859	14,069	0.75	1.01	17,739	13,203	0.75	1.15	16,320	12,175	0.75	1.26	14,976	11,172	0.75	1.36	13,631	10,169	0.75	1.43	12,287	9,166	0.75	1.50																								
24	75	18	64	20,614	12,904	0.63	1.12	19,494	12,033	0.63	1.26	18,075	11,315	0.63	1.36	16,730	10,473	0.63	1.47	15,386	9,632	0.63	1.54	14,041	8,790	0.63	1.61																								
24	75	20	68	21,510	10,884	0.51	1.18	20,614	10,431	0.51	1.29	19,419	9,826	0.51	1.41	18,000	9,108	0.51	1.53	16,581	8,390	0.51	1.61	15,386	7,785	0.51	1.68																								
24	75	22	72	22,705	8,764	0.39	1.23	21,959	8,476	0.39	1.36	20,614	7,957	0.39	1.48	19,270	7,438	0.39	1.59	17,925	6,919	0.39	1.67	16,432	6,343	0.39	1.72																								
26	79	16	61	18,859	15,578	0.83	1.01	17,739	14,652	0.83	1.15	16,320	13,480	0.83	1.26	14,976	12,370	0.83	1.36	13,631	11,259	0.83	1.43	12,287	10,149	0.83	1.50																								
26	79	18	64	20,614	14,554	0.71	1.12	19,494	13,763	0.71	1.26	18,075	12,761	0.71	1.36	16,730	11,812	0.71	1.47	15,386	10,862	0.71	1.54	14,041	9,913	0.71	1.61																								
26	79	20	68	21,510	12,605	0.59	1.18	20,614	12,080	0.59	1.29	19,419	11,380	0.59	1.41	18,000	10,548	0.59	1.53	16,581	9,716	0.59	1.61	15,386	9,016	0.59	1.68																								
26	79	22	72	22,705	10,581	0.47	1.23	21,959	10,233	0.47	1.36	20,614	9,606	0.47	1.48	19,270	8,980	0.47	1.59	17,925	8,353	0.47	1.67	16,432	7,657	0.47	1.72																								
27	81	16	61	18,859	16,332	0.87	1.01	17,739	15,362	0.87	1.15	16,320	14,133	0.87	1.26	14,976	12,969	0.87	1.36	13,631	11,805	0.87	1.43	12,287	10,640	0.87	1.50																								
27	81	18	64	20,614	15,378	0.75	1.12	19,494	14,542	0.75	1.26	18,075	13,484	0.75	1.36	16,730	12,481	0.75	1.47	15,386	11,478	0.75	1.54	14,041	10,475	0.75	1.61																								
27	81	20	68	21,510	13,465	0.63	1.18	20,614	12,904	0.63	1.29	19,419	12,156	0.63	1.41	18,000	11,268	0.63	1.53	16,581	10,380	0.63	1.61	15,386	9,632	0.63	1.68																								
27	81	22	72	22,705	11,489	0.51	1.23	21,959	11,111	0.51	1.36	20,614	10,431	0.51	1.48	19,270	9,750	0.51	1.59	17,925	9,070	0.51	1.67	16,432	8,314	0.51	1.72																								
28	82	16	61	18,859	17,087	0.91	1.01	17,739	16,072	0.91	1.15	16,320	14,786	0.91	1.26	14,976	13,568	0.91	1.36	13,631	12,350	0.91	1.43	12,287	11,132	0.91	1.50																								
28	82	18	64	20,614	16,203	0.79	1.12	19,494	15,322	0.79	1.26	18,075	14,207	0.79	1.36	16,730	13,150	0.79	1.47	15,386	12,093	0.79	1.54	14,041	11,037	0.79	1.61																								
28	82	20	68	21,510	14,326	0.67	1.18	20,614	13,729	0.67	1.29	19,419	12,933	0.67	1.41	18,000	11,988	0.67	1.53	16,581	11,043	0.67	1.61	15,386	10,247	0.67	1.68																								
28	82	22	72	22,705	12,397	0.55	1.23	21,959	11,989	0.55	1.36	20,614	11,255	0.55	1.48	19,270	10,521	0.55	1.59	17,925	9,787	0.55	1.67	16,432	8,972	0.55	1.72																								
30	86	16	61	18,859	18,595	0.99	1.01	17,739	17,491	0.99	1.15	16,320	16,092	0.99	1.26	14,976	14,766	0.99	1.36	13,631	13,440	0.99	1.43	12,287	12,115	0.99	1.50																								
30	86	18	64	20,614	17,852	0.87	1.12	19,494	16,882	0.87	1.26	18,075	15,653	0.87	1.36	16,730	14,488	0.87	1.47	15,386	13,324	0.87	1.54	14,041	12,160	0.87	1.61																								
30	86	20	68	21,510	16,047	0.75	1.18	20,614	15,378	0.75	1.29	19,419	14,487	0.75	1.41	18,000	13,428	0.75	1.53	16,581	12,369	0.75	1.61	15,386	11,478	0.75	1.68																								
30	86	22	72	22,705	14,214	0.63	1.23	21,959	13,746	0.63	1.36	20,614	12,904	0.63	1.48	19,270	12,063	0.63	1.59	17,925	11,221	0.63	1.67	16,432	10,286	0.63	1.72																								
32	90	16	61	18,859	18,859	1.00	1.01	17,739	17,739	1.00	1.15	16,320	16,320	1.00	1.26	14,976	14,976	1.00	1.36	13,631	13,631	1.00	1.43	12,287	12,287	1.00	1.50																								
32	90	18	64	20,614	19,501	0.95	1.12	19,494	18,441	0.95	1.26	18,075	17,099	0.95	1.36	16,730	15,827	0.95	1.47	15,386	14,555	0.95	1.54	14,041	13,283	0.95	1.61																								
32	90	20	68	21,510	17,768	0.83	1.18	20,614	17,027	0.83	1.29	19,419	16,040	0.83	1.41	18,000	14,868	0.83	1.53	16,581	13,696	0.83	1.61	15,386	12,709	0.83	1.68																								
32	90	22	72	22,705	16,030	0.71	1.23	21,959	15,503	0.71	1.36	20,614	14,554	0.71	1.48	19,270	13,604	0.71	1.59	17,925	12,655	0.71	1.67	16,432	11,601	0.71	1.72																								

PEAD-AA24NL/PUZ-AH24NL, PUY-AH24NL

Cooling

CAPACITY (Btu/h): 21,200 INPUT (kW): 1.76 SHF: 0.85

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	22,212	16,570	0.75	1.17	20,893	15,586	0.75	1.33	19,221	14,339	0.75	1.45	17,638	13,158	0.75	1.57	16,055	11,977	0.75	1.65	14,471	10,795	0.75	1.73
19	68	18	64	24,279	15,199	0.63	1.29	22,959	14,373	0.63	1.44	21,288	13,326	0.63	1.57	19,705	12,335	0.63	1.69	18,121	11,344	0.63	1.77	16,538	10,353	0.63	1.85
20	68	16	61	22,212	17,459	0.79	1.17	20,893	16,422	0.79	1.33	19,221	15,108	0.79	1.45	17,638	13,863	0.79	1.57	16,055	12,619	0.79	1.65	14,471	11,374	0.79	1.73
20	68	18	64	24,279	16,170	0.67	1.29	22,959	15,291	0.67	1.44	21,288	14,178	0.67	1.57	19,705	13,123	0.67	1.69	18,121	12,069	0.67	1.77	16,538	11,014	0.67	1.85
20	68	20	68	25,334	13,833	0.55	1.36	24,279	13,256	0.55	1.48	22,871	12,488	0.55	1.62	21,200	11,575	0.55	1.76	19,529	10,663	0.55	1.85	18,121	9,894	0.55	1.93
22	72	16	61	22,212	19,236	0.87	1.17	20,893	18,093	0.87	1.33	19,221	16,646	0.87	1.45	17,638	15,274	0.87	1.57	16,055	13,903	0.87	1.65	14,471	12,532	0.87	1.73
22	72	18	64	24,279	18,112	0.75	1.29	22,959	17,128	0.75	1.44	21,288	15,881	0.75	1.57	19,705	14,700	0.75	1.69	18,121	13,518	0.75	1.77	16,538	12,337	0.75	1.85
22	72	20	68	25,334	15,859	0.63	1.36	24,279	15,199	0.63	1.48	22,871	14,317	0.63	1.62	21,200	13,271	0.63	1.76	19,529	12,225	0.63	1.85	18,121	11,344	0.63	1.93
24	75	16	61	22,212	21,013	0.95	1.17	20,893	19,764	0.95	1.33	19,221	18,183	0.95	1.45	17,638	16,685	0.95	1.57	16,055	15,188	0.95	1.65	14,471	13,690	0.95	1.73
24	75	18	64	24,279	20,054	0.83	1.29	22,959	18,964	0.83	1.44	21,288	17,584	0.83	1.57	19,705	16,276	0.83	1.69	18,121	14,968	0.83	1.77	16,538	13,660	0.83	1.85
24	75	20	68	25,334	17,886	0.71	1.36	24,279	17,141	0.71	1.48	22,871	16,147	0.71	1.62	21,200	14,967	0.71	1.76	19,529	13,787	0.71	1.85	18,121	12,794	0.71	1.93
24	75	22	72	26,742	15,671	0.59	1.41	25,862	15,155	0.59	1.57	24,279	14,227	0.59	1.70	22,695	13,300	0.59	1.83	21,112	12,372	0.59	1.92	19,353	11,341	0.59	1.98
26	79	16	61	22,212	22,212	1.00	1.17	20,893	20,893	1.00	1.33	19,221	19,221	1.00	1.45	17,638	17,638	1.00	1.57	16,055	16,055	1.00	1.65	14,471	14,471	1.00	1.73
26	79	18	64	24,279	21,997	0.91	1.29	22,959	20,801	0.91	1.44	21,288	19,287	0.91	1.57	19,705	17,852	0.91	1.69	18,121	16,418	0.91	1.77	16,538	14,983	0.91	1.85
26	79	20	68	25,334	19,913	0.79	1.36	24,279	19,083	0.79	1.48	22,871	17,977	0.79	1.62	21,200	16,663	0.79	1.76	19,529	15,350	0.79	1.85	18,121	14,243	0.79	1.93
26	79	22	72	26,742	17,810	0.67	1.41	25,862	17,224	0.67	1.57	24,279	16,170	0.67	1.70	22,695	15,115	0.67	1.83	21,112	14,061	0.67	1.92	19,353	12,889	0.67	1.98
27	81	16	61	22,212	22,212	1.00	1.17	20,893	20,893	1.00	1.33	19,221	19,221	1.00	1.45	17,638	17,638	1.00	1.57	16,055	16,055	1.00	1.65	14,471	14,471	1.00	1.73
27	81	18	64	24,279	22,968	0.95	1.29	22,959	21,720	0.95	1.44	21,288	20,138	0.95	1.57	19,705	18,641	0.95	1.69	18,121	17,143	0.95	1.77	16,538	15,645	0.95	1.85
27	81	20	68	25,334	20,926	0.83	1.36	24,279	20,893	0.83	1.48	22,871	18,892	0.83	1.62	21,200	17,511	0.83	1.76	19,529	16,131	0.83	1.85	18,121	14,968	0.83	1.93
27	81	22	72	26,742	18,880	0.71	1.41	25,862	18,259	0.71	1.57	24,279	17,141	0.71	1.70	22,695	16,023	0.71	1.83	21,112	14,905	0.71	1.92	19,353	13,663	0.71	1.98
28	82	16	61	22,212	22,212	1.00	1.17	20,893	20,893	1.00	1.33	19,221	19,221	1.00	1.45	17,638	17,638	1.00	1.57	16,055	16,055	1.00	1.65	14,471	14,471	1.00	1.73
28	82	18	64	24,279	23,939	0.99	1.29	22,959	22,638	0.99	1.44	21,288	20,990	0.99	1.57	19,705	19,429	0.99	1.69	18,121	17,867	0.99	1.77	16,538	16,306	0.99	1.85
28	82	20	68	25,334	21,940	0.87	1.36	24,279	21,025	0.87	1.48	22,871	19,807	0.87	1.62	21,200	18,359	0.87	1.76	19,529	16,912	0.87	1.85	18,121	15,693	0.87	1.93
28	82	22	72	26,742	19,949	0.75	1.41	25,862	19,293	0.75	1.57	24,279	18,112	0.75	1.70	22,695	16,931	0.75	1.83	21,112	15,750	0.75	1.92	19,353	14,437	0.75	1.98
30	86	16	61	22,212	22,212	1.00	1.17	20,893	20,893	1.00	1.33	19,221	19,221	1.00	1.45	17,638	17,638	1.00	1.57	16,055	16,055	1.00	1.65	14,471	14,471	1.00	1.73
30	86	18	64	24,279	24,279	1.00	1.29	22,959	22,959	1.00	1.44	21,288	21,288	1.00	1.57	19,705	19,705	1.00	1.69	18,121	18,121	1.00	1.77	16,538	16,538	1.00	1.85
30	86	20	68	25,334	23,966	0.95	1.36	24,279	22,968	0.95	1.48	22,871	21,636	0.95	1.62	21,200	20,055	0.95	1.76	19,529	18,474	0.95	1.85	18,121	17,143	0.95	1.93
30	86	22	72	26,742	22,089	0.83	1.41	25,862	21,362	0.83	1.57	24,279	20,054	0.83	1.70	22,695	18,746	0.83	1.83	21,112	17,439	0.83	1.92	19,353	15,985	0.83	1.98
32	90	16	61	22,212	22,212	1.00	1.17	20,893	20,893	1.00	1.33	19,221	19,221	1.00	1.45	17,638	17,638	1.00	1.57	16,055	16,055	1.00	1.65	14,471	14,471	1.00	1.73
32	90	18	64	24,279	24,279	1.00	1.29	22,959	22,959	1.00	1.44	21,288	21,288	1.00	1.57	19,705	19,705	1.00	1.69	18,121	18,121	1.00	1.77	16,538	16,538	1.00	1.85
32	90	20	68	25,334	25,334	1.00	1.36	24,279	24,279	1.00	1.48	22,871	22,871	1.00	1.62	21,200	21,200	1.00	1.76	19,529	19,529	1.00	1.85	18,121	18,121	1.00	1.93
32	90	22	72	26,742	24,228	0.91	1.41	25,862	23,431	0.91	1.57	24,279	21,997	0.91	1.70	22,695	20,562	0.91	1.83	21,112	19,128	0.91	1.92	19,353	17,534	0.91	1.98

PEAD-AA30NL/PUZ-AH30NL, PUY-AH30NL

Cooling

CAPACITY (Btu/h): 27,000 INPUT (kW): 2.72 SHF: 0.61

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	28,289	14,314	0.51	1.80	26,609	13,464	0.51	2.05	24,480	12,387	0.51	2.24	22,463	11,366	0.51	2.42	20,447	10,346	0.51	2.55	18,430	9,326	0.51	2.67
19	68	18	64	30,921	11,936	0.39	1.99	29,241	11,287	0.39	2.23	27,112	10,465	0.39	2.42	25,095	9,687	0.39	2.61	23,079	8,908	0.39	2.73	21,062	8,130	0.39	2.86
20	68	16	61	28,289	15,446	0.55	1.80	26,609	14,528	0.55	2.05	24,480	13,366	0.55	2.24	22,463	12,265	0.55	2.42	20,447	11,164	0.55	2.55	18,430	10,063	0.55	2.67
20	68	18	64	30,921	13,172	0.43	1.99	29,241	12,457	0.43	2.23	27,112	11,550	0.43	2.42	25,095	10,691	0.43	2.61	23,079	9,832	0.43	2.73	21,062	8,973	0.43	2.86
20	68	20	68	32,266	9,873	0.31	2.10	30,921	9,462	0.31	2.29	29,129	8,913	0.31	2.51	27,000	8,262	0.31	2.72	24,871	7,611	0.31	2.86	23,079	7,062	0.31	2.98
22	72	16	61	28,289	17,709	0.63	1.80	26,609	16,657	0.63	2.05	24,480	15,324	0.63	2.24	22,463	14,062	0.63	2.42	20,447	12,800	0.63	2.55	18,430	11,537	0.63	2.67
22	72	18	64	30,921	15,646	0.51	1.99	29,241	14,796	0.51	2.23	27,112	13,719	0.51	2.42	25,095	12,698	0.51	2.61	23,079	11,678	0.51	2.73	21,062	10,657	0.51	2.86
22	72	20	68	32,266	12,455	0.39	2.10	30,921	11,936	0.39	2.29	29,129	11,244	0.39	2.51	27,000	10,422	0.39	2.72	24,871	9,600	0.39	2.86	23,079	8,908	0.39	2.98
24	75	16	61	28,289	19,972	0.71	1.80	26,609	18,786	0.71	2.05	24,480	17,283	0.71	2.24	22,463	15,859	0.71	2.42	20,447	14,435	0.71	2.55	18,430	13,012	0.71	2.67
24	75	18	64	30,921	18,120	0.59	1.99	29,241	17,135	0.59	2.23	27,112	15,888	0.59	2.42	25,095	14,706	0.59	2.61	23,079	13,524	0.59	2.73	21,062	12,342	0.59	2.86
24	75	20	68	32,266	15,036	0.47	2.10	30,921	14,409	0.47	2.29	29,129	13,574	0.47	2.51	27,000	12,582	0.47	2.72	24,871	11,590	0.47	2.86	23,079	10,755	0.47	2.98
24	75	22	72	34,058	11,784	0.35	2.19	32,938	11,996	0.35	2.42	30,921	10,699	0.35	2.63	28,905	10,001	0.35	2.83	26,888	9,303	0.35	2.97	24,647	8,528	0.35	3.06
26	79	16	61	28,289	22,235	0.79	1.80	26,609	20,914	0.79	2.05	24,480	19,241	0.79	2.24	22,463	17,656	0.79	2.42	20,447	16,071	0.79	2.55	18,430	14,866	0.79	2.67
26	79	18	64	30,921	20,593	0.67	1.99	29,241	19,474	0.67	2.23	27,112	18,057	0.67	2.42	25,095	16,714	0.67	2.61	23,079	15,371	0.67	2.73	21,062	14,027	0.67	2.86
26	79	20	68	32,266	17,617	0.55	2.10	30,921	16,883	0.55	2.29	29,129	15,904	0.55	2.51	27,000	14,742	0.55	2.72	24,871	13,580	0.55	2.86	23,079	12,601	0.55	2.98
26	79	22	72	34,058	14,509	0.43	2.19	32,938	14,031	0.43	2.42	30,921	13,172	0.43	2.63	28,905	12,313	0.43	2.83	26,888	11,454	0.43	2.97	24,647	10,500	0.43	3.06
27	81	16	61	28,289	23,367	0.83	1.80	26,609	21,979	0.83	2.05	24,480	20,220	0.83	2.24	22,463	18,555	0.83	2.42	20,447	16,889	0.83	2.55	18,430	15,223	0.83	2.67
27	81	18	64	30,921	21,830	0.71	1.99	29,241	20,644	0.71	2.23	27,112	19,141	0.71	2.42	25,095	17,717	0.71	2.61	23,079	16,294	0.71	2.73	21,062	14,870	0.71	2.86
27	81	20	68	32,266	18,908	0.59	2.10	30,921	18,120	0.59	2.29	29,129	17,069	0.59	2.51	27,000	15,822	0.59	2.72	24,871	14,575	0.59	2.86	23,079	13,524	0.59	2.98
27	81	22	72	34,058	15,871	0.47	2.19	32,938	15,349	0.47	2.42	30,921	14,409	0.47	2.63	28,905	13,470	0.47	2.83	26,888	12,530	0.47	2.97	24,647	11,486	0.47	3.06
28	82	16	61	28,289	24,498	0.87	1.80	26,609	23,043	0.87	2.05	24,480	21,200	0.87	2.24	22,463	19,453	0.87	2.42	20,447	17,707	0.87	2.55	18,430	15,961	0.87	2.67
28	82	18	64	30,921	23,067	0.75	1.99	29,241	21,814	0.75	2.23	27,112	20,226	0.75	2.42	25,095	18,721	0.75	2.61	23,079	17,217	0.75	2.73	21,062	15,172	0.75	2.86
28	82	20	68	32,266	20,198	0.63	2.10	30,921	19,357	0.63	2.29	29,129	18,235	0.63	2.51	27,000	16,902	0.63	2.72	24,871	15,569	0.63	2.86	23,079	14,447	0.63	2.98
28	82	22	72	34,058	17,233	0.51	2.19	32,938	16,667	0.51	2.42	30,921	15,646	0.51	2.63	28,905	14,626	0.51	2.83	26,888	13,605	0.51	2.97	24,647	12,472	0.51	3.06
30	86	16	61	28,289	26,762	0.95	1.80	26,609	25,172	0.95	2.05	24,480	23,158	0.95	2.24	22,463	21,250	0.95	2.42	20,447	19,343	0.95	2.55	18,430	17,435	0.95	2.67
30	86	18	64	30,921	25,541	0.83	1.99	29,241	24,153	0.83	2.23	27,112	22,395	0.83	2.42	25,095	20,729	0.83	2.61	23,079	19,063	0.83	2.73	21,062	17,397	0.83	2.86
30	86	20	68	32,266	22,779	0.71	2.10	30,921	21,830	0.71	2.29	29,129	20,565	0.71	2.51	27,000	19,062	0.71	2.72	24,871	17,559	0.71	2.86	23,079	16,294	0.71	2.98
30	86	22	72	34,058	19,958	0.59	2.19	32,938	19,032	0.59	2.42	30,921	18,120	0.59	2.63	28,905	16,938	0.59	2.83	26,888	15,756	0.59	2.97	24,647	14,443	0.59	3.06
32	90	16	61	28,289	28,289	1.00	1.80	26,609	26,609	1.00	2.05	24,480	24,480	1.00	2.24	22,463	22,463	1.00	2.42	20,447	20,447	1.00	2.55	18,430	18,430	1.00	2.67
32	90	18	64	30,921	28,015	0.99	1.99	29,241	26,492	0.91	2.23	27,112	24,564	0.91	2.42	25,095	22,736	0.91	2.61	23,079	20,909	0.91	2.73	21,062	19,082	0.91	2.86
32	90	20	68	32,266	25,361	0.79	2.10	30,921	24,304	0.79	2.29	29,129	22,895	0.79	2.51	27,000	21,222	0.79	2.72	24,871	19,549	0.79	2.86	23,079	18,140	0.79	2.98
32	90	22	72	34,058	22,683	0.67	2.19	32,938	21,937	0.67	2.42	30,921	20,593	0.67	2.63	28,905	19,250	0.67	2.83	26,888	17,907	0.67	2.97	24,647	16,415	0.67	3.06

PEAD-AA12-30NL/PUZ-AK12-18NL, PUZ-AH24-30NL

Heating

Model Name	Capacity Btu/h	Input kW	Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Outdoor intake air °C/°F D.B.											
					-10 / 14		-5 / 23		0 / 32		5 / 41		10 / 50		15 / 59	
					CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-AA12NL	14,000	1.02	15	59	9,026	0.68	10,993	0.80	11,982	0.86	13,971	0.96	15,972	1.04	17,982	1.09
			20	68	8,536	0.73	10,523	0.86	11,522	0.91	13,518	1.00	15,492	1.07	17,423	1.12
			25	77	7,703	0.78	9,776	0.91	10,807	0.96	12,841	1.05	14,817	1.12	16,711	1.16
PEAD-AA18NL	19,000	1.54	15	59	12,250	1.02	14,919	1.21	16,261	1.30	18,960	1.45	21,676	1.57	24,404	1.65
			20	68	11,585	1.10	14,281	1.29	15,637	1.37	18,346	1.51	21,025	1.62	23,645	1.69
			25	77	10,454	1.18	13,267	1.37	14,666	1.45	17,427	1.58	20,109	1.69	22,679	1.75
PEAD-AA24NL	26,000	2.16	15	59	16,763	1.43	20,415	1.70	22,252	1.82	25,946	2.04	29,661	2.21	33,395	2.31
			20	68	15,853	1.55	19,542	1.81	21,398	1.93	25,104	2.12	28,771	2.27	32,356	2.38
			25	77	14,306	1.65	18,155	1.92	20,069	2.03	23,847	2.22	27,518	2.36	31,035	2.46
PEAD-AA30NL	30,800	2.60	15	59	19,858	1.72	24,184	2.05	26,360	2.19	30,736	2.45	35,137	2.66	39,560	2.79
			20	68	18,779	1.86	23,150	2.18	25,348	2.32	29,739	2.56	34,083	2.74	38,330	2.86
			25	77	16,947	1.99	21,507	2.31	23,774	2.44	28,250	2.67	32,598	2.85	36,765	2.96

Note: CA : Capacity (Btu/h) P.C. : Power consumption (kW)
D.B. : Dry-bulb temperature W.B. : Wet-bulb temperature

PEAD-AA36NL/PUZ-AK36NL, PUY-AK36NL

Cooling

CAPACITY (Btu/h): 36,000 INPUT(kW): 2.86 SHF: 0.65

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	37,719	20,594	0.55	1.89	35,478	19,371	0.55	2.15	32,640	17,821	0.55	2.35	29,951	16,353	0.55	2.55	27,262	14,885	0.55	2.68	24,574	13,417	0.55	2.81
19	68	18	64	41,228	17,563	0.43	2.09	38,988	16,609	0.43	2.35	36,149	15,400	0.43	2.55	33,461	14,254	0.43	2.74	30,772	13,109	0.43	2.87	28,083	11,963	0.43	3.00
20	68	16	61	37,719	22,103	0.59	1.89	35,478	20,790	0.59	2.15	32,640	19,127	0.59	2.35	29,951	17,551	0.59	2.55	27,262	15,976	0.59	2.68	24,574	14,400	0.59	2.81
20	68	18	64	41,228	19,212	0.47	2.09	38,988	18,168	0.47	2.35	36,149	16,846	0.47	2.55	33,461	15,593	0.47	2.74	30,772	14,340	0.47	2.87	28,083	13,087	0.47	3.00
20	68	20	68	43,021	14,885	0.35	2.21	41,228	14,265	0.35	2.40	38,838	13,438	0.35	2.64	36,000	12,456	0.35	2.86	33,162	11,474	0.35	3.00	30,772	10,647	0.35	3.13
22	72	16	61	37,719	25,121	0.67	1.89	35,478	23,628	0.67	2.15	32,640	21,738	0.67	2.35	29,951	19,947	0.67	2.55	27,262	18,157	0.67	2.68	24,574	16,366	0.67	2.81
22	72	18	64	41,228	22,511	0.55	2.09	38,988	21,287	0.55	2.35	36,149	19,738	0.55	2.55	33,461	18,269	0.55	2.74	30,772	16,801	0.55	2.87	28,083	15,333	0.55	3.00
22	72	20	68	43,021	18,327	0.43	2.21	41,228	17,563	0.43	2.40	38,838	16,545	0.43	2.64	36,000	15,336	0.43	2.86	33,162	14,127	0.43	3.00	30,772	13,109	0.43	3.13
24	75	16	61	37,719	28,138	0.75	1.89	35,478	26,467	0.75	2.15	32,640	24,349	0.75	2.35	29,951	22,344	0.75	2.55	27,262	20,338	0.75	2.68	24,574	18,332	0.75	2.81
24	75	18	64	41,228	25,809	0.63	2.09	38,988	24,406	0.63	2.35	36,149	22,630	0.63	2.55	33,461	20,946	0.63	2.74	30,772	19,263	0.63	2.87	28,083	17,580	0.63	3.00
24	75	20	68	43,021	21,768	0.51	2.21	41,228	20,861	0.51	2.40	38,838	19,652	0.51	2.64	36,000	18,216	0.51	2.86	33,162	16,780	0.51	3.00	30,772	15,571	0.51	3.13
24	75	22	72	45,411	17,529	0.39	2.30	43,917	16,952	0.39	2.55	41,228	15,914	0.39	2.77	38,539	14,876	0.39	2.98	35,851	13,838	0.39	3.12	32,863	12,685	0.39	3.21
26	79	16	61	37,719	31,156	0.83	1.89	35,478	29,305	0.83	2.15	32,640	26,961	0.83	2.35	29,951	24,740	0.83	2.55	27,262	22,519	0.83	2.68	24,574	20,298	0.83	2.81
26	79	18	64	41,228	29,107	0.71	2.09	38,988	27,525	0.71	2.35	36,149	25,521	0.71	2.55	33,461	23,623	0.71	2.74	30,772	21,725	0.71	2.87	28,083	19,827	0.71	3.00
26	79	20	68	43,021	25,210	0.59	2.21	41,228	24,160	0.59	2.40	38,838	22,759	0.59	2.64	36,000	21,096	0.59	2.86	33,162	19,433	0.59	3.00	30,772	18,032	0.59	3.13
26	79	22	72	45,411	21,161	0.47	2.30	43,917	20,465	0.47	2.55	41,228	19,212	0.47	2.77	38,539	17,959	0.47	2.98	35,851	16,706	0.47	3.12	32,863	15,314	0.47	3.21
27	81	16	61	37,719	32,665	0.87	1.89	35,478	30,724	0.87	2.15	32,640	28,266	0.87	2.35	29,951	25,938	0.87	2.55	27,262	23,609	0.87	2.68	24,574	21,281	0.87	2.81
27	81	18	64	41,228	30,756	0.75	2.09	38,988	29,085	0.75	2.35	36,149	26,967	0.75	2.55	33,461	24,962	0.75	2.74	30,772	22,956	0.75	2.87	28,083	20,950	0.75	3.00
27	81	20	68	43,021	26,931	0.63	2.21	41,228	25,809	0.63	2.40	38,838	24,313	0.63	2.64	36,000	22,536	0.63	2.86	33,162	20,759	0.63	3.00	30,772	19,263	0.63	3.13
27	81	22	72	45,411	22,978	0.51	2.30	43,917	22,222	0.51	2.55	41,228	20,861	0.51	2.77	38,539	19,501	0.51	2.98	35,851	18,140	0.51	3.12	32,863	16,629	0.51	3.21
28	82	16	61	37,719	34,173	0.91	1.89	35,478	32,143	0.91	2.15	32,640	29,572	0.91	2.35	29,951	27,136	0.91	2.55	27,262	24,700	0.91	2.68	24,574	22,264	0.91	2.81
28	82	18	64	41,228	32,405	0.79	2.09	38,988	30,644	0.79	2.35	36,149	28,413	0.79	2.55	33,461	26,300	0.79	2.74	30,772	24,187	0.79	2.87	28,083	22,073	0.79	3.00
28	82	20	68	43,021	28,652	0.67	2.21	41,228	27,458	0.67	2.40	38,838	25,866	0.67	2.64	36,000	23,976	0.67	2.86	33,162	22,086	0.67	3.00	30,772	20,494	0.67	3.13
28	82	22	72	45,411	24,794	0.55	2.30	43,917	23,979	0.55	2.55	41,228	22,511	0.55	2.77	38,539	21,043	0.55	2.98	35,851	19,574	0.55	3.12	32,863	17,943	0.55	3.21
30	86	16	61	37,719	37,191	0.99	1.89	35,478	34,981	0.99	2.15	32,640	32,183	0.99	2.35	29,951	29,532	0.99	2.55	27,262	26,881	0.99	2.68	24,574	24,230	0.99	2.81
30	86	18	64	41,228	35,704	0.87	2.09	38,988	33,763	0.87	2.35	36,149	31,305	0.87	2.55	33,461	28,977	0.87	2.74	30,772	26,648	0.87	2.87	28,083	24,320	0.87	3.00
30	86	20	68	43,021	32,093	0.75	2.21	41,228	30,756	0.75	2.40	38,838	28,973	0.75	2.64	36,000	26,856	0.75	2.86	33,162	24,739	0.75	3.00	30,772	22,956	0.75	3.13
30	86	22	72	45,411	28,427	0.63	2.30	43,917	27,492	0.63	2.55	41,228	25,809	0.63	2.77	38,539	24,126	0.63	2.98	35,851	22,442	0.63	3.12	32,863	20,572	0.63	3.21
32	90	16	61	37,719	37,719	1.00	1.89	35,478	35,478	1.00	2.15	32,640	32,640	1.00	2.35	29,951	29,951	1.00	2.55	27,262	27,262	1.00	2.68	24,574	24,574	1.00	2.81
32	90	18	64	41,228	39,002	0.95	2.09	38,988	36,882	0.95	2.35	36,149	34,197	0.95	2.55	33,461	31,654	0.95	2.74	30,772	29,110	0.95	2.87	28,083	26,567	0.95	3.00
32	90	20	68	43,021	35,535	0.83	2.21	41,228	34,055	0.83	2.40	38,838	32,080	0.83	2.64	36,000	29,736	0.83	2.86	33,162	27,392	0.83	3.00	30,772	25,417	0.83	3.13
32	90	22	72	45,411	32,060	0.71	2.30	43,917	31,005	0.71	2.55	41,228	29,107	0.71	2.77	38,539	27,209	0.71	2.98	35,851	25,311	0.71	3.12	32,863	23,201	0.71	3.21

PEAD-AA42NL/PUZ-AK42NL, PUY-AK42NL

Cooling

CAPACITY (Btu/h): 42,000 INPUT(kW): 3.76 SHF: 0.72

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	44,005	27,107	0.62	2.49	41,391	25,497	0.62	2.83	38,080	23,457	0.62	3.09	34,943	21,525	0.62	3.35	31,806	19,593	0.62	3.52	28,669	17,660	0.62	3.69
19	68	18	64	48,100	23,857	0.50	2.75	45,485	22,561	0.50	3.09	42,174	20,918	0.50	3.35	39,037	19,363	0.50	3.61	35,900	17,807	0.50	3.78	32,763	16,251	0.50	3.95
20	68	16	61	44,005	28,867	0.66	2.49	41,391	27,153	0.66	2.83	38,080	24,980	0.66	3.09	34,943	22,923	0.66	3.35	31,806	20,865	0.66	3.52	28,669	18,807	0.66	3.69
20	68	18	64	48,100	25,781	0.54	2.75	45,485	24,380	0.54	3.09	42,174	22,605	0.54	3.35	39,037	20,924	0.54	3.61	35,900	19,243	0.54	3.78	32,763	17,561	0.54	3.95
20	68	20	68	50,191	20,879	0.42	2.90	48,100	20,009	0.42	3.16	45,311	18,849	0.42	3.47	42,000	17,472	0.42	3.76	38,689	16,095	0.42	3.95	35,900	14,935	0.42	4.12
22	72	16	61	44,005	32,388	0.74	2.49	41,391	30,464	0.74	2.83	38,080	28,027	0.74	3.09	34,943	25,718	0.74	3.35	31,806	23,409	0.74	3.52	28,669	21,101	0.74	3.69
22	72	18	64	48,100	29,629	0.62	2.75	45,485	28,019	0.62	3.09	42,174	25,979	0.62	3.35	39,037	24,047	0.62	3.61	35,900	22,115	0.62	3.78	32,763	20,182	0.62	3.95
22	72	20	68	50,191	24,895	0.50	2.90	48,100	23,857	0.50	3.16	45,311	22,474	0.50	3.47	42,000	20,832	0.50	3.76	38,689	19,190	0.50	3.95	35,900	17,807	0.50	4.12
24	75	16	61	44,005	35,908	0.82	2.49	41,391	33,775	0.82	2.83	38,080	31,073	0.82	3.09	34,943	28,514	0.82	3.35	31,806	25,954	0.82	3.52	28,669	23,904	0.82	3.69
24	75	18	64	48,100	33,477	0.70	2.75	45,485	31,658	0.70	3.09	42,174	29,353	0.70	3.35	39,037	27,170	0.70	3.61	35,900	24,987	0.70	3.78	32,763	22,803	0.70	3.95
24	75	20	68	50,191	28,910	0.58	2.90	48,100	27,705	0.58	3.16	45,311	26,099	0.58	3.47	42,000	24,192	0.58	3.76	38,689	22,285	0.58	3.95	35,900	20,679	0.58	4.12
24	75	22	72	52,979	24,159	0.46	3.02	51,237	23,364	0.46	3.35	48,100	21,933	0.46	3.64	44,963	20,503	0.46	3.91	41,826	19,073	0.46	4.10	38,340	17,483	0.46	4.22
26	79	16	61	44,005	39,429	0.90	2.49	41,391	37,087	0.90	2.83	38,080	34,120	0.90	3.09	34,943	31,309	0.90	3.35	31,806	28,498	0.90	3.52	28,669	25,688	0.90	3.69
26	79	18	64	48,100	37,325	0.78	2.75	45,485	35,297	0.78	3.09	42,174	32,727	0.78	3.35	39,037	30,293	0.78	3.61	35,900	27,859	0.78	3.78	32,763	25,424	0.78	3.95
26	79	20	68	50,191	32,925	0.66	2.90	48,100	31,553	0.66	3.16	45,311	29,724	0.66	3.47	42,000	27,552	0.66	3.76	38,689	25,380	0.66	3.95	35,900	23,551	0.66	4.12
26	79	22	72	52,979	28,397	0.54	3.02	51,237	27,463	0.54	3.35	48,100	25,781	0.54	3.64	44,963	24,100	0.54	3.91	41,826	22,419	0.54	4.10	38,340	20,550	0.54	4.22
27	81	16	61	44,005	41,189	0.94	2.49	41,391	38,742	0.94	2.83	38,080	35,643	0.94	3.09	34,943	32,707	0.94	3.35	31,806	29,771	0.94	3.52	28,669	26,834	0.94	3.69
27	81	18	64	48,100	39,249	0.82	2.75	45,485	37,116	0.82	3.09	42,174	34,414	0.82	3.35	39,037	31,854	0.82	3.61	35,900	29,295	0.82	3.78	32,763	26,735	0.82	3.95
27	81	20	68	50,191	34,933	0.70	2.90	48,100	33,477	0.70	3.16	45,311	31,537	0.70	3.47	42,000	29,232	0.70	3.76	38,689	26,927	0.70	3.95	35,900	24,987	0.70	4.12
27	81	22	72	52,979	30,516	0.58	3.02	51,237	29,512	0.58	3.35	48,100	27,705	0.58	3.64	44,963	25,898	0.58	3.91	41,826	24,092	0.58	4.10	38,340	22,084	0.58	4.22
28	82	16	61	44,005	42,949	0.98	2.49	41,391	40,398	0.98	2.83	38,080	37,166	0.98	3.09	34,943	34,104	0.98	3.35	31,806	31,043	0.98	3.52	28,669	27,981	0.98	3.69
28	82	18	64	48,100	41,173	0.86	2.75	45,485	38,936	0.86	3.09	42,174	36,101	0.86	3.35	39,037	33,416	0.86	3.61	35,900	30,731	0.86	3.78	32,763	28,064	0.86	3.95
28	82	20	68	50,191	36,940	0.74	2.90	48,100	35,401	0.74	3.16	45,311	33,349	0.74	3.47	42,000	30,912	0.74	3.76	38,689	28,475	0.74	3.95	35,900	26,423	0.74	4.12
28	82	22	72	52,979	32,635	0.62	3.02	51,237	31,562	0.62	3.35	48,100	29,629	0.62	3.64	44,963	27,697	0.62	3.91	41,826	25,765	0.62	4.10	38,340	23,618	0.62	4.22
30	86	16	61	44,005	44,005	1.00	2.49	41,391	41,391	1.00	2.83	38,080	38,080	1.00	3.09	34,943	34,943	1.00	3.35	31,806	31,806	1.00	3.52	28,669	28,669	1.00	3.69
30	86	18	64	48,100	45,021	0.94	2.75	45,485	42,574	0.94	3.09	42,174	39,475	0.94	3.35	39,037	36,539	0.94	3.61	35,900	33,603	0.94	3.78	32,763	30,667	0.94	3.95
30	86	20	68	50,191	40,956	0.82	2.90	48,100	39,249	0.82	3.16	45,311	36,974	0.82	3.47	42,000	34,272	0.82	3.76	38,689	31,570	0.82	3.95	35,900	29,295	0.82	4.12
30	86	22	72	52,979	36,874	0.70	3.02	51,237	35,661	0.70	3.35	48,100	33,477	0.70	3.64	44,963	31,294	0.70	3.91	41,826	29,111	0.70	4.10	38,340	26,885	0.70	4.22
32	90	16	61	44,005	44,005	1.00	2.49	41,391	41,391	1.00	2.83	38,080	38,080	1.00	3.09	34,943	34,943	1.00	3.35	31,806	31,806	1.00	3.52	28,669	28,669	1.00	3.69
32	90	18	64	48,100	48,100	1.00	2.75	45,485	45,485	1.00	3.09	42,174	42,174	1.00	3.35	39,037	39,037	1.00	3.61	35,900	35,900	1.00	3.78	32,763	32,763	1.00	3.95
32	90	20	68	50,191	44,971	0.90	2.90	48,100	43,097	0.90	3.16	45,311	40,599	0.90	3.47	42,000	37,632	0.90	3.76	38,689	34,665	0.90	3.95	35,900	32,167	0.90	4.12
32	90	22	72	52,979	41,112	0.78	3.02	51,237	39,760	0.78	3.35	48,100	37,325	0.78	3.64	44,963	34,891	0.78	3.91	41,826	32,457	0.78	4.10	38,340	29,752	0.78	4.22



PEAD-AA36-42NL/PUZ-AK36-42NL
Heating

Model Name	Capacity Btu/h	Input kW	Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Outdoor intake air °C/°F D.B.											
					-10 / 14		-5 / 23		0 / 32		5 / 41		10 / 50		15 / 59	
					CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-AA36NL	38,000	2.61	15	59	24,500	1.73	29,837	2.05	32,522	2.20	37,921	2.46	43,351	2.67	48,808	2.80
			20	68	23,169	1.87	28,562	2.19	31,273	2.33	36,691	2.57	42,050	2.75	47,290	2.87
			25	77	20,908	2.00	26,534	2.32	29,332	2.45	34,853	2.68	40,219	2.86	45,359	2.97
PEAD-AA42NL	45,000	3.46	15	59	29,014	2.29	35,334	2.72	38,513	2.92	44,906	3.27	51,337	3.53	57,799	3.71
			20	68	27,437	2.48	33,823	2.90	37,034	3.09	43,450	3.40	49,796	3.64	56,002	3.81
			25	77	24,760	2.65	31,422	3.07	34,735	3.25	41,274	3.56	47,627	3.79	53,715	3.94

Note: CA : Capacity (Btu/h) P.C. : Power consumption (kW)
D.B. : Dry-bulb temperature W.B. : Wet-bulb temperature

PEAD-AA24NL/PUZ-AK24NLHZ

Cooling

CAPACITY (Btu/h): 24,000 INPUT(kW): 1.79 SHF: 0.63

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	25,146	13,227	0.53	1.19	23,652	12,441	0.53	1.35	21,760	11,446	0.53	1.47	19,967	10,503	0.53	1.59	18,175	9,560	0.53	1.68	16,382	8,617	0.53	1.76
19	68	18	64	27,485	11,159	0.41	1.31	25,992	10,553	0.41	1.47	24,100	9,784	0.41	1.59	22,307	9,057	0.41	1.72	20,515	8,329	0.41	1.80	18,722	7,601	0.41	1.88
20	68	16	61	25,146	14,233	0.57	1.19	23,652	13,387	0.57	1.35	21,760	12,316	0.57	1.47	19,967	11,302	0.57	1.59	18,175	10,287	0.57	1.68	16,382	9,272	0.57	1.76
20	68	18	64	27,485	12,259	0.45	1.31	25,992	11,592	0.45	1.47	24,100	10,748	0.45	1.59	22,307	9,949	0.45	1.72	20,515	9,149	0.45	1.80	18,722	8,350	0.45	1.88
20	68	20	68	28,680	9,350	0.33	1.38	27,485	8,960	0.33	1.50	25,892	8,441	0.33	1.65	24,000	7,824	0.33	1.79	22,108	7,207	0.33	1.88	20,515	6,688	0.33	1.96
22	72	16	61	25,146	16,244	0.65	1.19	23,652	15,279	0.65	1.35	21,760	14,057	0.65	1.47	19,967	12,899	0.65	1.59	18,175	11,741	0.65	1.68	16,382	10,583	0.65	1.76
22	72	18	64	27,485	14,457	0.53	1.31	25,992	13,672	0.53	1.47	24,100	12,676	0.53	1.59	22,307	11,734	0.53	1.72	20,515	10,791	0.53	1.80	18,722	9,848	0.53	1.88
22	72	20	68	28,680	11,644	0.41	1.38	27,485	11,159	0.41	1.50	25,892	10,512	0.41	1.65	24,000	9,744	0.41	1.79	22,108	8,976	0.41	1.88	20,515	8,329	0.41	1.96
24	75	16	61	25,146	18,256	0.73	1.19	23,652	17,171	0.73	1.35	21,760	15,798	0.73	1.47	19,967	14,496	0.73	1.59	18,175	13,195	0.73	1.68	16,382	11,894	0.73	1.76
24	75	18	64	27,485	16,656	0.61	1.31	25,992	15,751	0.61	1.47	24,100	14,604	0.61	1.59	22,307	13,518	0.61	1.72	20,515	12,432	0.61	1.80	18,722	11,346	0.61	1.88
24	75	20	68	28,680	13,939	0.49	1.38	27,485	13,358	0.49	1.50	25,892	12,584	0.49	1.65	24,000	11,664	0.49	1.79	22,108	10,744	0.49	1.88	20,515	9,970	0.49	1.96
24	75	22	72	30,274	11,080	0.37	1.44	29,278	10,716	0.37	1.59	27,485	10,060	0.37	1.73	25,693	9,404	0.37	1.86	23,900	8,748	0.37	1.95	21,909	8,019	0.37	2.01
26	79	16	61	25,146	20,268	0.81	1.19	23,652	19,064	0.81	1.35	21,760	17,539	0.81	1.47	19,967	16,094	0.81	1.59	18,175	14,649	0.81	1.68	16,382	13,204	0.81	1.76
26	79	18	64	27,485	18,855	0.69	1.31	25,992	17,830	0.69	1.47	24,100	16,532	0.69	1.59	22,307	15,303	0.69	1.72	20,515	14,073	0.69	1.80	18,722	12,843	0.69	1.88
26	79	20	68	28,680	16,233	0.57	1.38	27,485	15,557	0.57	1.50	25,892	14,655	0.57	1.65	24,000	13,584	0.57	1.79	22,108	12,513	0.57	1.88	20,515	11,611	0.57	1.96
26	79	22	72	30,274	13,502	0.45	1.44	29,278	13,058	0.45	1.59	27,485	12,259	0.45	1.73	25,693	11,459	0.45	1.86	23,900	10,660	0.45	1.95	21,909	9,771	0.45	2.01
27	81	16	61	25,146	21,273	0.85	1.19	23,652	20,010	0.85	1.35	21,760	18,409	0.85	1.47	19,967	16,892	0.85	1.59	18,175	15,376	0.85	1.68	16,382	13,860	0.85	1.76
27	81	18	64	27,485	19,954	0.73	1.31	25,992	18,870	0.73	1.47	24,100	17,496	0.73	1.59	22,307	16,195	0.73	1.72	20,515	14,894	0.73	1.80	18,722	13,592	0.73	1.88
27	81	20	68	28,680	17,380	0.61	1.38	27,485	16,656	0.61	1.50	25,892	15,691	0.61	1.65	24,000	14,544	0.61	1.79	22,108	13,397	0.61	1.88	20,515	12,432	0.61	1.96
27	81	22	72	30,274	14,713	0.49	1.44	29,278	14,229	0.49	1.59	27,485	13,358	0.49	1.73	25,693	12,487	0.49	1.86	23,900	11,616	0.49	1.95	21,909	10,648	0.49	2.01
28	82	16	61	25,146	22,279	0.89	1.19	23,652	20,956	0.89	1.35	21,760	19,279	0.89	1.47	19,967	17,691	0.89	1.59	18,175	16,103	0.89	1.68	16,382	14,515	0.89	1.76
28	82	18	64	27,485	21,054	0.77	1.31	25,992	19,910	0.77	1.47	24,100	18,460	0.77	1.59	22,307	17,087	0.77	1.72	20,515	15,714	0.77	1.80	18,722	14,341	0.77	1.88
28	82	20	68	28,680	18,528	0.65	1.38	27,485	17,756	0.65	1.50	25,892	16,726	0.65	1.65	24,000	15,504	0.65	1.79	22,108	14,282	0.65	1.88	20,515	13,252	0.65	1.96
28	82	22	72	30,274	15,924	0.53	1.44	29,278	15,400	0.53	1.59	27,485	14,457	0.53	1.73	25,693	13,514	0.53	1.86	23,900	12,572	0.53	1.95	21,909	11,524	0.53	2.01
30	86	16	61	25,146	24,291	0.97	1.19	23,652	22,848	0.97	1.35	21,760	21,020	0.97	1.47	19,967	19,289	0.97	1.59	18,175	17,557	0.97	1.68	16,382	15,825	0.97	1.76
30	86	18	64	27,485	23,253	0.85	1.31	25,992	21,989	0.85	1.47	24,100	20,388	0.85	1.59	22,307	18,872	0.85	1.72	20,515	17,355	0.85	1.80	18,722	15,839	0.85	1.88
30	86	20	68	28,680	20,822	0.73	1.38	27,485	19,954	0.73	1.50	25,892	18,798	0.73	1.65	24,000	17,424	0.73	1.79	22,108	16,050	0.73	1.88	20,515	14,894	0.73	1.96
30	86	22	72	30,274	18,346	0.61	1.44	29,278	17,742	0.61	1.59	27,485	16,656	0.61	1.73	25,693	15,570	0.61	1.86	23,900	14,484	0.61	1.95	21,909	13,277	0.61	2.01
32	90	16	61	25,146	25,146	1.00	1.19	23,652	23,652	1.00	1.35	21,760	21,760	1.00	1.47	19,967	19,967	1.00	1.59	18,175	18,175	1.00	1.68	16,382	16,382	1.00	1.76
32	90	18	64	27,485	25,452	0.93	1.31	25,992	24,068	0.93	1.47	24,100	22,316	0.93	1.59	22,307	20,656	0.93	1.72	20,515	18,996	0.93	1.80	18,722	17,337	0.93	1.88
32	90	20	68	28,680	23,116	0.81	1.38	27,485	22,153	0.81	1.50	25,892	20,869	0.81	1.65	24,000	19,344	0.81	1.79	22,108	17,819	0.81	1.88	20,515	16,535	0.81	1.96
32	90	22	72	30,274	20,768	0.69	1.44	29,278	20,085	0.69	1.59	27,485	18,855	0.69	1.73	25,693	17,625	0.69	1.86	23,900	16,396	0.69	1.95	21,909	15,029	0.69	2.01

PEAD-AA30NL/PUZ-AK30NLHZ

Cooling

CAPACITY (Btu/h): 30,000 INPUT(kW): 2.40 SHF: 0.75

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	31,432	20,305	0.65	1.59	29,565	19,099	0.65	1.81	27,200	17,571	0.65	1.97	24,959	16,124	0.65	2.14	22,719	14,676	0.65	2.25	20,478	13,229	0.65	2.36
19	68	18	64	34,357	18,072	0.53	1.75	32,490	17,090	0.53	1.97	30,124	15,845	0.53	2.14	27,884	14,667	0.53	2.30	25,643	13,488	0.53	2.41	23,402	12,310	0.53	2.52
20	68	16	61	31,432	21,563	0.69	1.59	29,565	20,282	0.69	1.81	27,200	18,659	0.69	1.97	24,959	17,122	0.69	2.14	22,719	15,585	0.69	2.25	20,478	14,048	0.69	2.36
20	68	18	64	34,357	19,446	0.57	1.75	32,490	18,389	0.57	1.97	30,124	17,050	0.57	2.14	27,884	15,782	0.57	2.30	25,643	14,514	0.57	2.41	23,402	13,246	0.57	2.52
20	68	20	68	35,851	15,989	0.45	1.85	34,357	15,323	0.45	2.02	32,365	14,435	0.45	2.21	30,000	13,380	0.45	2.40	27,635	12,325	0.45	2.52	25,643	11,437	0.45	2.63
22	72	16	61	31,432	24,077	0.77	1.59	29,565	22,647	0.77	1.81	27,200	20,835	0.77	1.97	24,959	19,119	0.77	2.14	22,719	17,402	0.77	2.25	20,478	15,686	0.77	2.36
22	72	18	64	34,357	22,195	0.65	1.75	32,490	20,988	0.65	1.97	30,124	19,460	0.65	2.14	27,884	18,013	0.65	2.30	25,643	16,565	0.65	2.41	23,402	15,118	0.65	2.52
22	72	20	68	35,851	18,857	0.53	1.85	34,357	18,072	0.53	2.02	32,365	17,024	0.53	2.21	30,000	15,780	0.53	2.40	27,635	14,536	0.53	2.52	25,643	13,488	0.53	2.63
24	75	16	61	31,432	26,592	0.85	1.59	29,565	25,012	0.85	1.81	27,200	23,011	0.85	1.97	24,959	21,116	0.85	2.14	22,719	21,920	0.85	2.25	20,478	17,324	0.85	2.36
24	75	18	64	34,357	24,943	0.73	1.75	32,490	23,587	0.73	1.97	30,124	21,870	0.73	2.14	27,884	20,244	0.73	2.30	25,643	18,617	0.73	2.41	23,402	16,990	0.73	2.52
24	75	20	68	35,851	21,725	0.61	1.85	34,357	20,820	0.61	2.02	32,365	19,613	0.61	2.21	30,000	18,180	0.61	2.40	27,635	16,747	0.61	2.52	25,643	15,540	0.61	2.63
24	75	22	72	37,842	18,391	0.49	1.93	36,598	17,776	0.49	2.14	34,357	16,697	0.49	2.32	32,116	15,608	0.49	2.50	29,876	14,520	0.49	2.62	27,386	13,510	0.49	2.70
26	79	16	61	31,432	29,106	0.93	1.59	29,565	27,377	0.93	1.81	27,200	25,187	0.93	1.97	24,959	23,112	0.93	2.14	22,719	21,037	0.93	2.25	20,478	18,963	0.93	2.36
26	79	18	64	34,357	27,692	0.81	1.75	32,490	26,187	0.81	1.97	30,124	24,280	0.81	2.14	27,884	22,474	0.81	2.30	25,643	20,668	0.81	2.41	23,402	18,862	0.81	2.52
26	79	20	68	35,851	24,594	0.69	1.85	34,357	23,569	0.69	2.02	32,365	22,202	0.69	2.21	30,000	20,580	0.69	2.40	27,635	18,958	0.69	2.52	25,643	17,591	0.69	2.63
26	79	22	72	37,842	21,419	0.57	1.93	36,598	20,714	0.57	2.14	34,357	19,446	0.57	2.32	32,116	18,178	0.57	2.50	29,876	16,910	0.57	2.62	27,386	15,900	0.57	2.70
27	81	16	61	31,432	30,364	0.97	1.59	29,565	28,560	0.97	1.81	27,200	26,275	0.97	1.97	24,959	24,111	0.97	2.14	22,719	21,946	0.97	2.25	20,478	19,782	0.97	2.36
27	81	18	64	34,357	29,066	0.85	1.75	32,490	27,486	0.85	1.97	30,124	25,485	0.85	2.14	27,884	23,590	0.85	2.30	25,643	21,694	0.85	2.41	23,402	19,979	0.85	2.52
27	81	20	68	35,851	26,028	0.73	1.85	34,357	24,943	0.73	2.02	32,365	23,497	0.73	2.21	30,000	21,780	0.73	2.40	27,635	20,063	0.73	2.52	25,643	18,617	0.73	2.63
27	81	22	72	37,842	22,932	0.61	1.93	36,598	22,178	0.61	2.14	34,357	20,820	0.61	2.32	32,116	19,462	0.61	2.50	29,876	18,105	0.61	2.62	27,386	16,596	0.61	2.70
28	82	16	61	31,432	31,432	1.00	1.59	29,565	29,565	1.00	1.81	27,200	27,200	1.00	1.97	24,959	24,959	1.00	2.14	22,719	22,719	1.00	2.25	20,478	20,478	1.00	2.36
28	82	18	64	34,357	30,440	0.89	1.75	32,490	28,660	0.89	1.97	30,124	26,690	0.89	2.14	27,884	24,705	0.89	2.30	25,643	22,720	0.89	2.41	23,402	20,735	0.89	2.52
28	82	20	68	35,851	27,462	0.77	1.85	34,357	26,317	0.77	2.02	32,365	24,792	0.77	2.21	30,000	22,980	0.77	2.40	27,635	21,168	0.77	2.52	25,643	19,643	0.77	2.63
28	82	22	72	37,842	24,446	0.65	1.93	36,598	23,642	0.65	2.14	34,357	22,195	0.65	2.32	32,116	20,747	0.65	2.50	29,876	19,300	0.65	2.62	27,386	17,691	0.65	2.70
30	86	16	61	31,432	31,432	1.00	1.59	29,565	29,565	1.00	1.81	27,200	27,200	1.00	1.97	24,959	24,959	1.00	2.14	22,719	22,719	1.00	2.25	20,478	20,478	1.00	2.36
30	86	18	64	34,357	33,189	0.97	1.75	32,490	31,385	0.97	1.97	30,124	29,100	0.97	2.14	27,884	26,936	0.97	2.30	25,643	24,771	0.97	2.41	23,402	22,607	0.97	2.52
30	86	20	68	35,851	30,330	0.85	1.85	34,357	29,060	0.85	2.02	32,365	27,381	0.85	2.21	30,000	25,380	0.85	2.40	27,635	23,379	0.85	2.52	25,643	21,694	0.85	2.63
30	86	22	72	37,842	27,474	0.73	1.93	36,598	26,070	0.73	2.14	34,357	24,943	0.73	2.32	32,116	23,316	0.73	2.50	29,876	21,690	0.73	2.62	27,386	19,882	0.73	2.70
32	90	16	61	31,432	31,432	1.00	1.59	29,565	29,565	1.00	1.81	27,200	27,200	1.00	1.97	24,959	24,959	1.00	2.14	22,719	22,719	1.00	2.25	20,478	20,478	1.00	2.36
32	90	18	64	34,357	34,357	1.00	1.75	32,490	32,490	1.00	1.97	30,124	30,124	1.00	2.14	27,884	27,884	1.00	2.30	25,643	25,643	1.00	2.41	23,402	23,402	1.00	2.52
32	90	20	68	35,851	33,198	0.93	1.85	34,357	31,814	0.93	2.02	32,365	29,970	0.93	2.21	30,000	27,780	0.93	2.40	27,635	25,590	0.93	2.52	25,643	23,746	0.93	2.63
32	90	22	72	37,842	30,501	0.81	1.93	36,598	29,498	0.81	2.14	34,357	27,692	0.81	2.32	32,116	25,886	0.81	2.50	29,876	24,080	0.81	2.62	27,386	22,073	0.81	2.70

PEAD-AA36NL/PUZ-AK36NLHZ

Cooling

CAPACITY (Btu/h): 36,000 INPUT(kW): 2.86 SHF: 0.65

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	37,719	20,594	0.55	1.89	35,478	19,371	0.55	2.15	32,640	17,821	0.55	2.35	29,951	16,353	0.55	2.55	27,262	14,885	0.55	2.68	24,574	13,417	0.55	2.81
19	68	18	64	41,228	17,563	0.43	2.09	38,988	16,609	0.43	2.35	36,149	15,400	0.43	2.55	33,461	14,254	0.43	2.74	30,772	13,109	0.43	2.87	28,083	11,963	0.43	3.00
20	68	16	61	37,719	22,103	0.59	1.89	35,478	20,790	0.59	2.15	32,640	19,127	0.59	2.35	29,951	17,551	0.59	2.55	27,262	15,976	0.59	2.68	24,574	14,400	0.59	2.81
20	68	18	64	41,228	19,212	0.47	2.09	38,988	18,168	0.47	2.35	36,149	16,846	0.47	2.55	33,461	15,593	0.47	2.74	30,772	14,340	0.47	2.87	28,083	13,087	0.47	3.00
20	68	20	68	43,021	14,885	0.35	2.21	41,228	14,265	0.35	2.40	38,838	13,438	0.35	2.64	36,000	12,456	0.35	2.86	33,162	11,474	0.35	3.00	30,772	10,647	0.35	3.13
22	72	16	61	37,719	25,121	0.67	1.89	35,478	23,628	0.67	2.15	32,640	21,738	0.67	2.35	29,951	19,947	0.67	2.55	27,262	18,157	0.67	2.68	24,574	16,366	0.67	2.81
22	72	18	64	41,228	22,511	0.55	2.09	38,988	21,287	0.55	2.35	36,149	19,738	0.55	2.55	33,461	18,269	0.55	2.74	30,772	16,801	0.55	2.87	28,083	15,333	0.55	3.00
22	72	20	68	43,021	18,327	0.43	2.21	41,228	17,563	0.43	2.40	38,838	16,545	0.43	2.64	36,000	15,336	0.43	2.86	33,162	14,127	0.43	3.00	30,772	13,109	0.43	3.13
24	75	16	61	37,719	28,138	0.75	1.89	35,478	26,467	0.75	2.15	32,640	24,349	0.75	2.35	29,951	22,344	0.75	2.55	27,262	20,338	0.75	2.68	24,574	18,332	0.75	2.81
24	75	18	64	41,228	25,809	0.63	2.09	38,988	24,406	0.63	2.35	36,149	22,630	0.63	2.55	33,461	20,946	0.63	2.74	30,772	19,263	0.63	2.87	28,083	17,580	0.63	3.00
24	75	20	68	43,021	21,768	0.51	2.21	41,228	20,861	0.51	2.40	38,838	19,652	0.51	2.64	36,000	18,216	0.51	2.86	33,162	16,780	0.51	3.00	30,772	15,571	0.51	3.13
24	75	22	72	45,411	17,529	0.39	2.30	43,917	16,952	0.39	2.55	41,228	15,914	0.39	2.77	38,539	14,876	0.39	2.98	35,851	13,838	0.39	3.12	32,863	12,685	0.39	3.21
26	79	16	61	37,719	31,156	0.83	1.89	35,478	29,305	0.83	2.15	32,640	26,961	0.83	2.35	29,951	24,740	0.83	2.55	27,262	22,519	0.83	2.68	24,574	20,298	0.83	2.81
26	79	18	64	41,228	29,107	0.71	2.09	38,988	27,525	0.71	2.35	36,149	25,521	0.71	2.55	33,461	23,623	0.71	2.74	30,772	21,725	0.71	2.87	28,083	19,827	0.71	3.00
26	79	20	68	43,021	25,210	0.59	2.21	41,228	24,160	0.59	2.40	38,838	22,759	0.59	2.64	36,000	21,096	0.59	2.86	33,162	19,433	0.59	3.00	30,772	18,032	0.59	3.13
26	79	22	72	45,411	21,161	0.47	2.30	43,917	20,465	0.47	2.55	41,228	19,212	0.47	2.77	38,539	17,959	0.47	2.98	35,851	16,706	0.47	3.12	32,863	15,314	0.47	3.21
27	81	16	61	37,719	32,665	0.87	1.89	35,478	30,724	0.87	2.15	32,640	28,266	0.87	2.35	29,951	25,938	0.87	2.55	27,262	23,609	0.87	2.68	24,574	21,281	0.87	2.81
27	81	18	64	41,228	30,756	0.75	2.09	38,988	29,085	0.75	2.35	36,149	26,967	0.75	2.55	33,461	24,962	0.75	2.74	30,772	22,956	0.75	2.87	28,083	20,950	0.75	3.00
27	81	20	68	43,021	26,931	0.63	2.21	41,228	25,809	0.63	2.40	38,838	24,313	0.63	2.64	36,000	22,536	0.63	2.86	33,162	20,759	0.63	3.00	30,772	19,263	0.63	3.13
27	81	22	72	45,411	22,978	0.51	2.30	43,917	22,222	0.51	2.55	41,228	20,861	0.51	2.77	38,539	19,501	0.51	2.98	35,851	18,140	0.51	3.12	32,863	16,629	0.51	3.21
28	82	16	61	37,719	34,173	0.91	1.89	35,478	32,143	0.91	2.15	32,640	29,572	0.91	2.35	29,951	27,136	0.91	2.55	27,262	24,700	0.91	2.68	24,574	22,264	0.91	2.81
28	82	18	64	41,228	32,405	0.79	2.09	38,988	30,644	0.79	2.35	36,149	28,413	0.79	2.55	33,461	26,300	0.79	2.74	30,772	24,187	0.79	2.87	28,083	22,073	0.79	3.00
28	82	20	68	43,021	28,652	0.67	2.21	41,228	27,458	0.67	2.40	38,838	25,866	0.67	2.64	36,000	23,976	0.67	2.86	33,162	22,086	0.67	3.00	30,772	20,494	0.67	3.13
28	82	22	72	45,411	24,794	0.55	2.30	43,917	23,979	0.55	2.55	41,228	22,511	0.55	2.77	38,539	21,043	0.55	2.98	35,851	19,574	0.55	3.12	32,863	17,943	0.55	3.21
30	86	16	61	37,719	37,191	0.99	1.89	35,478	34,981	0.99	2.15	32,640	32,183	0.99	2.35	29,951	29,532	0.99	2.55	27,262	26,881	0.99	2.68	24,574	24,230	0.99	2.81
30	86	18	64	41,228	35,704	0.87	2.09	38,988	33,763	0.87	2.35	36,149	31,305	0.87	2.55	33,461	28,977	0.87	2.74	30,772	26,648	0.87	2.87	28,083	24,320	0.87	3.00
30	86	20	68	43,021	32,093	0.75	2.21	41,228	30,756	0.75	2.40	38,838	28,973	0.75	2.64	36,000	26,856	0.75	2.86	33,162	24,739	0.75	3.00	30,772	22,956	0.75	3.13
30	86	22	72	45,411	28,427	0.63	2.30	43,917	27,492	0.63	2.55	41,228	25,809	0.63	2.77	38,539	24,126	0.63	2.98	35,851	22,442	0.63	3.12	32,863	20,572	0.63	3.21
32	90	16	61	37,719	37,719	1.00	1.89	35,478	35,478	1.00	2.15	32,640	32,640	1.00	2.35	29,951	29,951	1.00	2.55	27,262	27,262	1.00	2.68	24,574	24,574	1.00	2.81
32	90	18	64	41,228	39,002	0.95	2.09	38,988	36,882	0.95	2.35	36,149	34,197	0.95	2.55	33,461	31,654	0.95	2.74	30,772	29,110	0.95	2.87	28,083	26,567	0.95	3.00
32	90	20	68	43,021	35,535	0.83	2.21	41,228	34,055	0.83	2.40	38,838	32,080	0.83	2.64	36,000	29,736	0.83	2.86	33,162	27,392	0.83	3.00	30,772	25,417	0.83	3.13
32	90	22	72	45,411	32,060	0.71	2.30	43,917	31,005	0.71	2.55	41,228	29,107	0.71	2.77	38,539	27,209	0.71	2.98	35,851	25,311	0.71	3.12	32,863	23,201	0.71	3.21

PEAD-AA42NL/PUZ-AK42NLHZ

Cooling

CAPACITY (Btu/h): 42,000 INPUT(kW): 3.79 SHF: 0.83

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20 / 68				25 / 77				30 / 86				35 / 95				40 / 104				46 / 115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	44,005	31,948	0.73	2.51	41,391	30,050	0.73	2.85	38,080	27,646	0.73	3.12	34,943	25,369	0.73	3.38	31,806	23,091	0.73	3.55	28,669	20,814	0.73	3.72
19	68	18	64	48,100	29,148	0.61	2.77	45,485	27,564	0.61	3.11	42,174	25,558	0.61	3.37	39,037	23,657	0.61	3.63	35,900	21,756	0.61	3.81	32,763	19,855	0.61	3.98
20	68	16	61	44,005	33,708	0.77	2.51	41,391	31,706	0.77	2.85	38,080	29,169	0.77	3.12	34,943	26,766	0.77	3.38	31,806	24,363	0.77	3.55	28,669	21,961	0.77	3.72
20	68	18	64	48,100	31,072	0.65	2.77	45,485	29,384	0.65	3.11	42,174	27,245	0.65	3.37	39,037	25,218	0.65	3.63	35,900	23,192	0.65	3.81	32,763	21,165	0.65	3.98
20	68	20	68	50,191	26,400	0.53	2.92	48,100	25,300	0.53	3.18	45,311	23,834	0.53	3.50	42,000	22,092	0.53	3.79	38,689	20,350	0.53	3.98	35,900	18,884	0.53	4.15
22	72	16	61	44,005	37,228	0.85	2.51	41,391	35,017	0.85	2.85	38,080	32,216	0.85	3.12	34,943	29,562	0.85	3.38	31,806	26,908	0.85	3.55	28,669	24,254	0.85	3.72
22	72	18	64	48,100	34,920	0.73	2.77	45,485	33,022	0.73	3.11	42,174	30,619	0.73	3.37	39,037	28,341	0.73	3.63	35,900	26,064	0.73	3.81	32,763	23,786	0.73	3.98
22	72	20	68	50,191	30,416	0.61	2.92	48,100	29,148	0.61	3.18	45,311	27,459	0.61	3.50	42,000	25,452	0.61	3.79	38,689	23,445	0.61	3.98	35,900	21,756	0.61	4.15
24	75	16	61	44,005	40,749	0.93	2.51	41,391	38,328	0.93	2.85	38,080	35,262	0.93	3.12	34,943	32,357	0.93	3.38	31,806	29,452	0.93	3.55	28,669	26,548	0.93	3.72
24	75	18	64	48,100	38,768	0.81	2.77	45,485	36,661	0.81	3.11	42,174	33,992	0.81	3.37	39,037	31,464	0.81	3.63	35,900	28,936	0.81	3.81	32,763	26,407	0.81	3.98
24	75	20	68	50,191	34,431	0.69	2.92	48,100	32,996	0.69	3.18	45,311	31,083	0.69	3.50	42,000	28,812	0.69	3.79	38,689	26,541	0.69	3.98	35,900	24,628	0.69	4.15
24	75	22	72	52,979	29,986	0.57	3.05	51,237	29,000	0.57	3.37	48,100	27,224	0.57	3.67	44,963	25,449	0.57	3.95	41,826	23,673	0.57	4.14	38,340	21,701	0.57	4.26
26	79	16	61	44,005	44,005	1.00	2.51	41,391	41,391	1.00	2.85	38,080	38,080	1.00	3.12	34,943	34,943	1.00	3.38	31,806	31,806	1.00	3.55	28,669	28,669	1.00	3.72
26	79	18	64	48,100	42,616	0.89	2.77	45,485	40,300	0.89	3.11	42,174	37,366	0.89	3.37	39,037	34,587	0.89	3.63	35,900	31,808	0.89	3.81	32,763	29,028	0.89	3.98
26	79	20	68	50,191	38,446	0.77	2.92	48,100	36,844	0.77	3.18	45,311	34,708	0.77	3.50	42,000	32,172	0.77	3.79	38,689	29,636	0.77	3.98	35,900	27,500	0.77	4.15
26	79	22	72	52,979	34,225	0.65	3.05	51,237	33,099	0.65	3.37	48,100	31,072	0.65	3.67	44,963	29,046	0.65	3.95	41,826	27,019	0.65	4.14	38,340	24,768	0.65	4.26
27	81	16	61	44,005	44,005	1.00	2.51	41,391	41,391	1.00	2.85	38,080	38,080	1.00	3.12	34,943	34,943	1.00	3.38	31,806	31,806	1.00	3.55	28,669	28,669	1.00	3.72
27	81	18	64	48,100	44,540	0.93	2.77	45,485	42,120	0.93	3.11	42,174	39,053	0.93	3.37	39,037	36,149	0.93	3.63	35,900	33,244	0.93	3.81	32,763	30,339	0.93	3.98
27	81	20	68	50,191	40,454	0.81	2.92	48,100	38,768	0.81	3.18	45,311	36,521	0.81	3.50	42,000	33,852	0.81	3.79	38,689	31,183	0.81	3.98	35,900	30,936	0.81	4.15
27	81	22	72	52,979	36,344	0.69	3.05	51,237	35,148	0.69	3.37	48,100	32,996	0.69	3.67	44,963	30,844	0.69	3.95	41,826	28,692	0.69	4.14	38,340	26,301	0.69	4.26
28	82	16	61	44,005	44,005	1.00	2.51	41,391	41,391	1.00	2.85	38,080	38,080	1.00	3.12	34,943	34,943	1.00	3.38	31,806	31,806	1.00	3.55	28,669	28,669	1.00	3.72
28	82	18	64	48,100	46,464	0.97	2.77	45,485	43,939	0.97	3.11	42,174	40,740	0.97	3.37	39,037	37,710	0.97	3.63	35,900	34,680	0.97	3.81	32,763	31,650	0.97	3.98
28	82	20	68	50,191	42,461	0.85	2.92	48,100	40,692	0.85	3.18	45,311	38,333	0.85	3.50	42,000	35,532	0.85	3.79	38,689	32,731	0.85	3.98	35,900	30,372	0.85	4.15
28	82	22	72	52,979	38,463	0.73	3.05	51,237	37,198	0.73	3.37	48,100	34,920	0.73	3.67	44,963	32,643	0.73	3.95	41,826	30,365	0.73	4.14	38,340	27,835	0.73	4.26
30	86	16	61	44,005	44,005	1.00	2.51	41,391	41,391	1.00	2.85	38,080	38,080	1.00	3.12	34,943	34,943	1.00	3.38	31,806	31,806	1.00	3.55	28,669	28,669	1.00	3.72
30	86	18	64	48,100	48,100	1.00	2.77	45,485	45,485	1.00	3.11	42,174	42,174	1.00	3.37	39,037	39,037	1.00	3.63	35,900	35,900	1.00	3.81	32,763	32,763	1.00	3.98
30	86	20	68	50,191	46,477	0.93	2.92	48,100	44,540	0.93	3.18	45,311	41,958	0.93	3.50	42,000	38,892	0.93	3.79	38,689	35,826	0.93	3.98	35,900	33,244	0.93	4.15
30	86	22	72	52,979	42,701	0.81	3.05	51,237	41,297	0.81	3.37	48,100	38,768	0.81	3.67	44,963	36,240	0.81	3.95	41,826	33,712	0.81	4.14	38,340	30,902	0.81	4.26
32	90	16	61	44,005	44,005	1.00	2.51	41,391	41,391	1.00	2.85	38,080	38,080	1.00	3.12	34,943	34,943	1.00	3.38	31,806	31,806	1.00	3.55	28,669	28,669	1.00	3.72
32	90	18	64	48,100	48,100	1.00	2.77	45,485	45,485	1.00	3.11	42,174	42,174	1.00	3.37	39,037	39,037	1.00	3.63	35,900	35,900	1.00	3.81	32,763	32,763	1.00	3.98
32	90	20	68	50,191	50,191	1.00	2.92	48,100	48,100	1.00	3.18	45,311	45,311	1.00	3.50	42,000	42,000	1.00	3.79	38,689	38,689	1.00	3.98	35,900	35,900	1.00	4.15
32	90	22	72	52,979	46,940	0.89	3.05	51,237	45,396	0.89	3.37	48,100	42,616	0.89	3.67	44,963	39,837	0.89	3.95	41,826	37,058	0.89	4.14	38,340	33,969	0.89	4.26

PEAD-AA24-42NL/PUZ-AK24-42NLHZ

Heating

Model Name	Capacity Btu/h	Input kW	Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Outdoor intake air °C/°F D.B.											
					-10 / 14		-5 / 23		0 / 32		5 / 41		10 / 50		15 / 59	
					CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-AA24NL	25,000	1.76	15	59	16,119	1.16	19,630	1.38	21,396	1.49	24,948	1.66	28,521	1.80	32,110	1.89
			20	68	15,243	1.26	18,790	1.48	20,575	1.57	24,139	1.73	27,665	1.85	31,112	1.94
			25	77	13,756	1.35	17,457	1.56	19,297	1.65	22,930	1.81	26,460	1.93	29,841	2.00
PEAD-AA30NL	32,000	2.33	15	59	20,632	1.54	25,126	1.83	27,387	1.97	31,933	2.20	36,506	2.38	41,101	2.50
			20	68	19,511	1.67	24,052	1.96	26,336	2.08	30,898	2.29	35,411	2.45	39,823	2.56
			25	77	17,607	1.78	22,345	2.07	24,701	2.19	29,350	2.40	33,868	2.55	38,197	2.65
PEAD-AA36NL	38,000	2.61	15	59	24,500	1.73	29,837	2.05	32,522	2.20	37,921	2.46	43,351	2.67	48,808	2.80
			20	68	23,169	1.87	28,562	2.19	31,273	2.33	36,691	2.57	42,050	2.75	47,290	2.87
			25	77	20,908	2.00	26,534	2.32	29,332	2.45	34,853	2.68	40,219	2.86	45,359	2.97
PEAD-AA42NL	48,000	3.94	15	59	30,948	2.61	37,689	3.10	41,081	3.33	47,900	3.72	54,759	4.02	61,652	4.22
			20	68	29,266	2.83	36,078	3.31	39,503	3.52	46,347	3.87	53,116	4.15	59,735	4.33
			25	77	26,411	3.02	33,517	3.50	37,051	3.70	44,025	4.05	50,802	4.31	57,296	4.49

Note: CA : Capacity (Btu/h) P.C. : Power consumption (kW)
D.B. : Dry-bulb temperature W.B. : Wet-bulb temperature

mitsubishi electric corporation

HEAD OFFICE: TOKYO BUILDING, 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8,310, JAPAN