MITSUBISHI ELECTRIC

AIR-COOLED SPLIT-TYPE DUCTED AIR CONDITIONERS

DATA BOOK

Series : PE(H)

	Model	Service ref.
Cooling only	PE-7MYC	PE-7MYC-EU
	PE-8MYC	PE-8MYC-EU
	PE-10MYC	PE-10MYC-EU
	PE-15MYC	PE-15MYC1-EU
	PE-20MYC	PE-20MYC-EU
Heat pump	PEH-5MYA	PEH-5MYA-EU
	PEH-7MYA	PEH-7MYA-EU
	PEH-8MYA	PEH-8MYA-EU
	PEH-10MYA	PEH-10MYA-EU
	PEH-15MYA	PEH-15MYA-EU
	PEH-20MYA	PEH-20MYA-EU

CONTENTS

Specifications subject to change without notice.

SAFETY FOR USE

Before conducting installation work, please read this "SAFETY FOR USE" carefully for correct installation.
Since the caution items shown here contain important description relative to safety, please observe them without fail.

⚠ **Warning**	Erroneous handling gives a high possibility to induce serious results such as death or heavy injury.
⚠ **Caution**	Erroneous handling may induce serious injury depending on the situation.

After reading, please keep it with you together the Instruction Manual, and read it again at the movement of the unit.

⚠ Warning

Ask your dealer or specialized subcontractor for installation.
Conducting installation work by yourself improperly may cause a fire, electric shock or water leakage.

For installation, conduct the work correctly by following the Installation Manual.
Improper installation may cause a fire, electrical shock or water leakage.

Install the unit on a spot sufficiently durable against the unit weight.
Insufficient durability can cause an injury by the falling down of unit.

All electric work must be performed by licensed technician, according to local regulations and the instructions given in this manual.
The units should be powered by dedicated power lines.
Power lines with insufficient capacity or improper electrical work may result in electric shock or fire.

Use only the specified cables for wiring. The connections must be made secured without tension the terminals.
Improper connection or fastening can cause a fire or electrical shock.

The unit should be installed according to the instructions in order to minimize the risk of damage from earthquakes, typhoons or strong winds.
Improper installation work can cause an injury by the falling down of the unit.

The outdoor unit must be installed on stable, level surface, in a place where there is no accumulation of snow , leaves or rubbish.

The outdoor unit should be installed in a location where air and noise emitted by the unit will not disturb the neighbors. The indoor unit should be securely installed.
If the unit is loosely mounted, it may fall, and cause injury.

The heating of refrigerant is noted.
When the refrigerant touches the fire etc., it was decomposed and a poisonous gas is generated.
Do not use the welding machine etc., in the room close up of the installation of the air conditioner.

Never repair the unit, remodel or transfer it to another site by yourself.
If they are performed improperly, water leakage, electric shock or fire may result. If you need to have the unit repaired or moved, consult your dealer.

Use only the specified refrigerant (R-22) to charge the refrigerant circuit.
Do not mix it with any other refrigerant and do not allow air to remain in the circuit.
Air enclosed in the circuit can cause high pressure resulting in a rupture and other hazards.

Ventilate the room if refrigerant leaks during Installation.
The refrigerant heated generates poisonous gas by decomposition which can cause poisoning.

After completing installation work, make sure that refrigerant gas has not leaked.
If refrigerant gas has leaked and exposed to fan heater, stove, oven and so on, it may generate noxious gases. Please do the gas leakage inspection before starting.

Take a proper measure to suppress the critical concentration of refrigerant if leaked when installing the unit in a small room.
The limit density is made not to be exceeded even if the refrigerant leaks by any chance.
You are necessary to ventilation measures to prevent the accident. If the refrigerant leaks, hypoxia accident may caused.
For the countermeasure to be taken, consult your dealer.

The terminal block cover of unit must be firmly attached to prevent entry of dust and moisture.
Improper mounting of the cover cause electric shock or fire.

Use only optional parts authorised by Mitsubishi Electric.
If the accessories are installed improperly, water leakage, electric shock or fire may result.
Ask your dealer or an authorised company to install them.

⚠ Caution

Never install on the place where a combustible gas might leak.
The gas may ignite or explode when the gas leaks and collects in surround of the unit.

When the unit is installed at telecommunication centers or hospitals, take a proper provision against noise.
The erroneous operation of air conditioner may be induced by inverter equipment, independent power device, medical equipment or communication equipment.

For special use as for foods, animals/plants, precision equipment or art objects, the applicability should be confirmed beforehand.
As the use for the applications other than that designed originally may result in the deterioration of the quality. Consult your dealer in this regard.

Do not use the unit under a special atmosphere.
Installing the unit at the following places may cause a trouble, a place where is much machine oil, salt , humidity or dust, spa district, a place full of sulfur gas, volatile gas, or corrosive gas, a place near high frequency processing machine.

Thermal insulation of the drain pipes is necessary prevent dew condensation.
If the drain pipes are not properly insulated, condensation will result and drip on ceiling, floor or other possessions.

The unit should be securely installed level surface.
When the unit inclines, it causes the water leak and the breakdown.
Please confirm the horizontal with the spirit level.

Install drain piping (hose) according to this Installation Manual to ensure proper drainage.
Improper drain piping (hose) may cause water leakage and damage to furniture or other possessions.

The unit must be properly earth connected.
Do not connect the earth wire to gas pipe, city water pipe, lightning rod or telephone earth wire.
Improper earth connection may cause electrical shock.

When installing at a watery place, provide an electric leak breaker.
Failure to mount the electric leak breaker may cause electrical shock.

Use breaker or fuse with proper capacity.
Make sure that each appliance has a main power switch.
Using a wire or copper wire instead of proper capacity can cause fire or trouble.
Other appliances connected to the same line could cause an overload.

For the power lines, use standard cables of sufficient current capacity.
Otherwise, current leakage, overheating or fire may occur.

When installing the power lines, do not apply tension to the cables.
The tighten or loosen the connections may cause generate heat and cause fire.

Do not place objects under the units to avoid damage of condensation.
When the room is high humidity or when the drain pipe is clogged, water may drip from the indoor unit.

Arrange the configuration of wiring not to bring up the panel and terminal cover, and fasten the panel and terminal cover securely.
The poor mounting of the panel or terminal cover may cause the heat generation of the terminal connection, a fire or electrical shock.

Do not wash the unit with water.
If washed with water, electric shock may be caused.

Do not handle the switch with wet hands.
Otherwise electric shock can be resulted.

Be very careful about unit transportation.
The unit should not be carried by only one person if it is more than 20kg. It occasionally causes the damage of the unit and health to be impaired.
Some unit use PP bands for packing. Do not use any PP band for delivery purpose. It may cause the injury.
Do not touch the heat exchanger fins with your bear hands. Doing so may cut your hands.
When carrying in outdoor unit, be sure to support it at four points. Carrying in and lifting with 3-point support may make outdoor unit unstable, resulting in a fall of it.
Be sure to safety dispose the packing materials.
Packing materials, such as catches and other metal or wooden parts, may cause stabs or other injuries.

Do not leave the mounting base being damaged.
The damaged base may cause the falling down of the unit which may give injury.

Turn on the main power switch more than 6 hours before starting operation.
Do not turn the main power switch OFF during seasons of heavy use, doing so can result in failure.

Do not touch the compressor or refrigerant piping without wearing glove on your hands.
Touching directly such part can cause a burn or frostbite as it becomes high or low temperature according to the refrigerant state.

Do not touch the metal edges inside the unit without wearing glove on your hands.
Touching directly it may injure your hands.

Do not remove the panel or the fan guard from the unit when it is running.
You could be injured if you touch rotating, hot or high-voltage parts.

Do not operate the air conditioner without the air filter set place.
Dust may accumulate, and cause a failure.

At emergency (if you smell something burning), stop operation and turn the power source switch off.
Continuing the operation without eliminating the emergency state may cause a machine trouble, fire, or electrical shock.

After stopping operation, be sure to wait for five minutes before turning off the main power switch.
Otherwise, water leakage or unit failure may occur.

Remote controller is not installed for the place where direct sunshine strikes.

Remote controller should be pushed with finger
Remote controller may be broken.

A COMPLETE LINE UP

		PEH-5	PE(H)-7	PE(H)-8	PE(H)-10	PE-15/PEH-15	PE(H)-20
Cooling capacity	kW	14.4	17.9	22.0	28.8	47.0/44.0	57.6
	Btu/h	49,150	61,100	75,100	98,300	160,400/150,200	196,600
	kcal/h	12,400	15,400	18,900	24,800	40,500/37,900	49,500
Heating capacity (PEH only)	kW	14.4	18.8	22.0	28.8	44.0	57.6
	Btu/h	49,150	64,100	75,100	98,300	150,200	196,600
	kcal/h	12,400	16,200	18,900	24,800	37,900	49,500

Note: Cooling & heating capacities are based following conditions.
Cooling: Indoor:27℃DB, 19 ℃WB; Outdoor: 35 ℃DB
Heating: Indoor:21℃DB; Outdoor: 7 ℃DB, 6 ℃WB (PEH only)
Cooling and Heating capacities are based 5m pipe length

Indoor unit

Example PEH-8

Outdoor unit

Example PUH-8

FEATURES

Highly efficient operation

The EER(Energy Efficiency Ratio) on these models is greatly improved by revised design specifications and by being manufactured stringently to Mitsubishi Electric high quality standards.

Comfort heating (PEH only)

The PEH models are designed to provide effective heating even when the outside temperature is down to -10˚C.

High sensible cooling capacity

The sensible cooling capacity has been significantly improved through balanced optimised heat exchanger design.

Flexibility of Supply Air Delivery

PE, PEH-15,20 feature belt driven Supply Air fans enabling accurate matching of actual airflow rates to the specified quantities. Accurate commissioning is assisted by the capability to change pulleys and belts if necessary to achieve the desired air balance.

Low ambient cooling (Special order)

In applications with relatively high internal loads, there may be a requirement for all series to operate on cooling at low ambient conditions.
Special order parts is available to maintain the refrigeration circuit in balance at outdoor temperatures as low as -5˚C.
Please consult your local Mitsubishi Electric Sales office for application advice on these parts.

Labour saving installation

The unit operation can commence immediately after connecting to the power supply, refrigerant piping, drain piping, ducting and control system.

Wide electrical control capability

All models are flexible mechanical control configulation.
In addition Global Remote Controller is prepared on standard.
The Global Remote Controller give the below function.

- Cool/Heat/Fan/Auto Changeover
  3 pattern select (Change to switch inside R/C)
  · Cool/Fan
  · Cool/Heat/Fan
  · Cool/Heat/Fan/Auto Changeover
  (Heat and Auto Change over one only PEH)
- 2 step control (PE(H)-15, 20 only)
- Compressor Anti-short cycle timer (3 min)
- Programmable weekly timer
  ON/OFF time setteing on 7-days
- Real time clock
- Built in Return air temperature Sensor
  (Option : Outside sensor)
- Power failure comeback
- Error indicator
  · Room temperature sensor Error
- Key Lock
  Key lock except ON/OFF key

Grobal Remote Controller

DESCRIPTIONS

Mitsubishi Electric air conditioners series PE(H)/PU(H) are available in a wide range of sizes and models to enables the designer to select the best model for each application.
All series units are completely assembled, wired and strictly tested at the factory.

With the development of all series demands for such features as light weight, compactness, increased capacity, appropriate static pressure, air flow control, and having flexibility of inter facing energy saving electronic controls, Mitsubishi Electric have met market expectations.

MECHANICAL SPECIFICATIONS

General
All units are factory assembled, piped, internally wired. They are also tested and checked under a strict quality control system in the factory.
Exterior surfaces of all units of outdoor unit are phosphatized, zinc-coated steel with powder coating and ivory white baked enamel finish.

Refrigeration Controls
Refrigeration controls include condenser fan, evaporator fan and compressor contactors.

Compressors
All units have high efficiency type hermetic line starting compressors.
Compressors are equipped with thermal overload protector, over-current relay and high pressure protection control.
Crankcase heaters are standard.

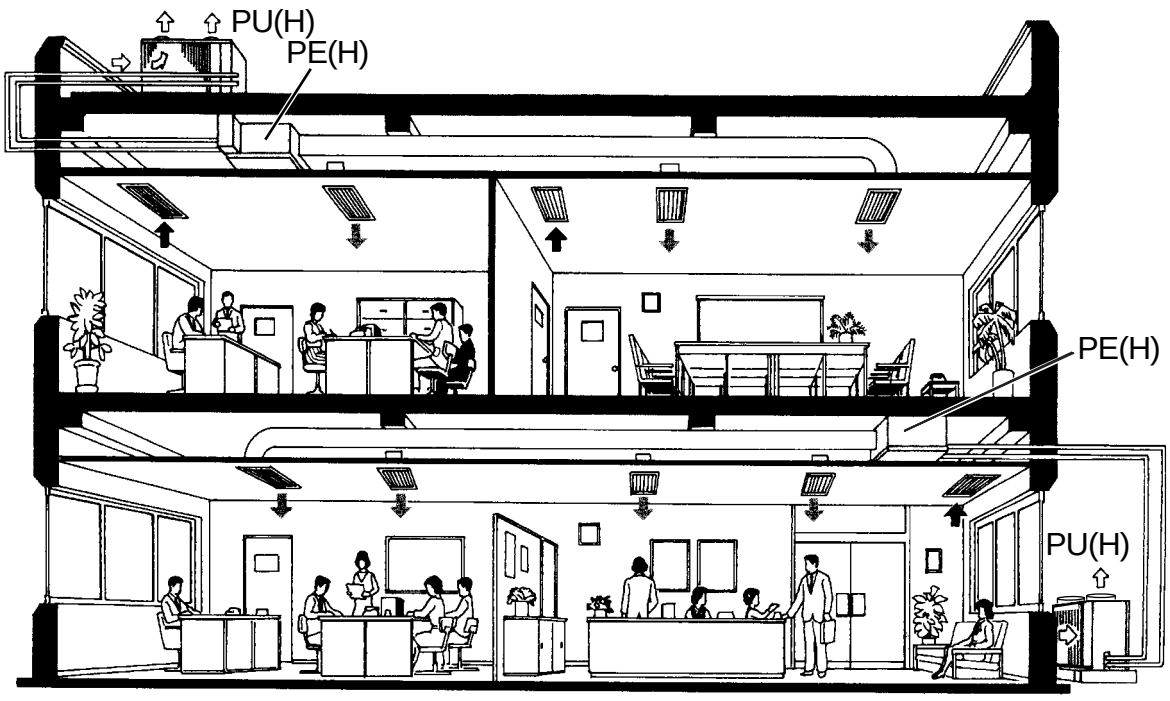
Evaporator Coils
Highly efficient cross-finned coil are applied to provide a larger cooling capacity with low air speed on the coil. Coils are made of 9.52mm OD and 0.35mm thick seamless copper tubing mechanically bonded to 0.12mm thick aluminium fins and are factory leak tested at a pressure of 3.3MPa. They are provided with strainers attached to the capillary tubes to further ensure a clean system.

Condenser Coils
Unnecessary power input due to higher discharge pressure is avoided by high performance designs of cross-finned coil.
Condenser coils are made of 9.52mm OD, 0.35mm thick seamless copper tubes mechanically bonded to 0.12mm thick aluminium fins and factory pressure and leak tested at 3.3MPa.

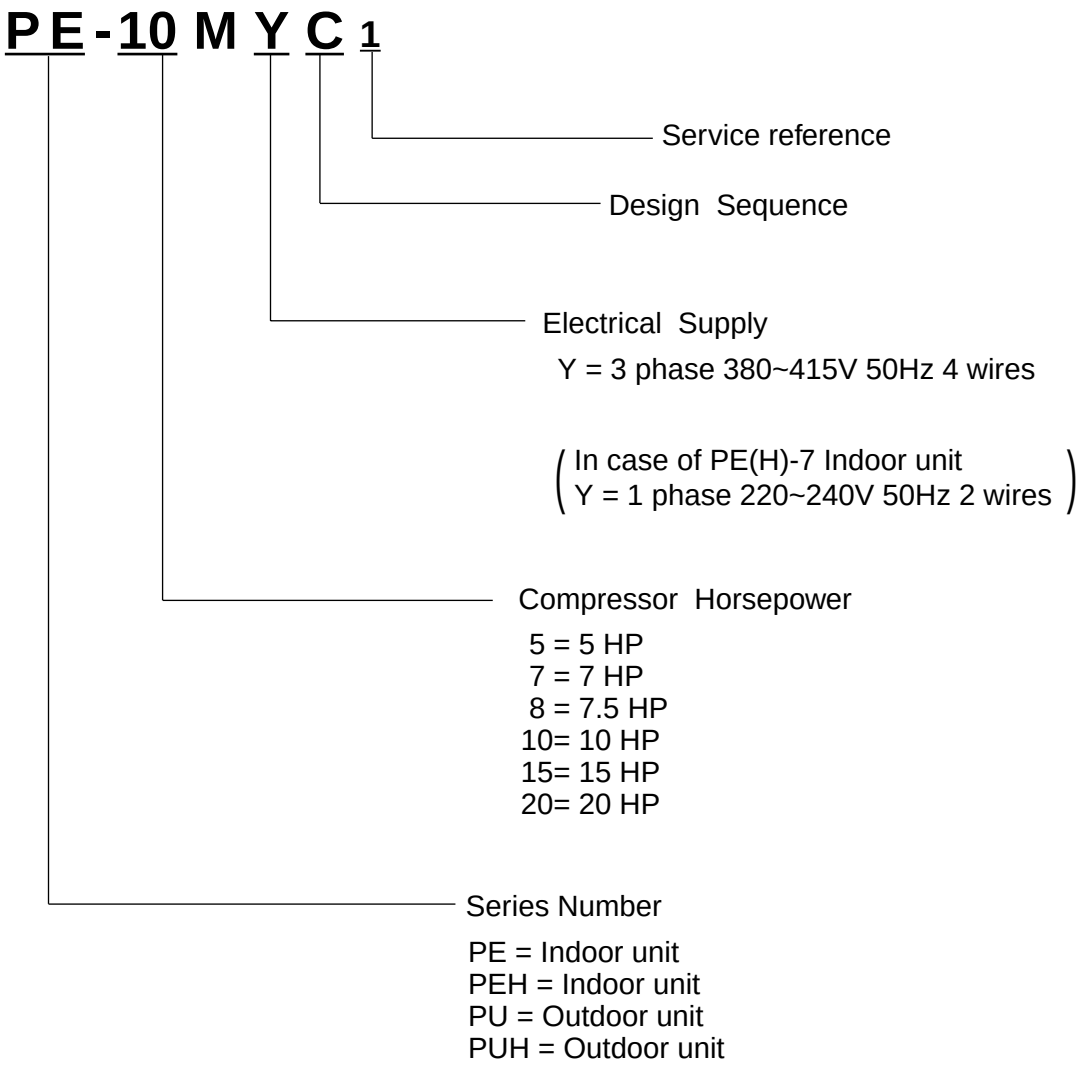
Evaporator Fans
The sirocco fans are made of galvanized steel or plastic and balanced to proved accurate air flow performance at low noise level.

Condenser Fan
The direct-drive propeller fan is dynamically balanced, to ensure smooth airflow.
A weatherproof three-phase squirrel cage induction motor is used to drive the condenser fan.

TYPICAL INSTALLATION EXAMPLE



MODEL-DESIGNATION BREAKDOWN



SPECIFICATIONS

PE-7~20MYC

Cooling only

Model name			PE-7MYC	PE-8MYC	PE-10MYC	PE-15MYC	PE-20MYC
Service reference			PE-7MYC-EU	PE-8MYC-EU	PE-10MYC-EU	PE-15MYC1-EU	PE-20MYC-EU
Total cooling capacity (Gross)		kW	17.9	22.0	28.8	47.0	57.6
		Btu/h	61,100	75,100	98,300	160,400	196,600
		kcal/h	15,400	18,900	24,800	40,400	49,500
Sensible cooling capacity (Gross)		kW	14.3	17.6	23.0	37.6	46.1
		Btu/h	48,800	60,100	78,500	128,300	157,300
		kcal/h	12,300	15,100	19,800	32,300	39,600
Total cooling capacity (Net)		kW	17.2/17.1	21.4	27.8	45.5/45.3	56.1/55.2
		Btu/h	58,700/58,300	73,000	94,900	155,200/154,600	191,400/188,300
		kcal/h	14,800/14,700	18,400	23,900	39,100/39,000	48,200/47,500
Power supply	Indoor		~ 220~240V 50Hz	3N~ 380~415V 50Hz			
	Outdoor		3N~ 380~415V 50Hz	3N~ 380~415V 50Hz			
Capacity step		%	0-100			0-50-100	
Refrigerant			R-22				
Refrigerant charge		kg	5.7	5.0	8.7	2 X 4.8	2 X 9.7
Refrigerant control			Capillary tube				
Indoor Unit	Model name		PE-7MYC	PE-8MYC	PE-10MYC	PE-15MYC	PE-20MYC
	Service reference		PE-7MYC-EU	PE-8MYC-EU	PE-10MYC-EU	PE-15MYC1-EU	PE-20MYC-EU
External finish			Galvanized steel				
Dimension	Width	mm	1,415		1,615	1,690	1,993
	Depth	mm	650			865	
	Height	mm	428			706	
Net weight		kg	67	70	84	180	212
Indoor coil			Cross fin coil				
Indoor fan			Centrifugal (plastic) - Direct drive			Centrifugal (plastic) - Belt drive	
Indoor fan motor			Single phase induction motor	Three phase induction motor			
Motor output		kW	0.21	0.7	1.0	2.2	3.7
Indoor fan air flow		CMM	60	70	90	140	180
		CFM	2,119	2,472	3,179	4,945	6,358
		L/S	1,000	1,167	1,500	2,333	3,000
External static pressure		mmAq	5/12.5	6.2/12.5		10/20	
		Pa	50/125	62/125		100/200	
Sound pressure level		dB(A)	55	56	59	61	62
Drain connection		mm	25.4				
Outdoor unit	Model name		PU-7MYC	PU-8MYC	PU-10MYC	PU-15MYC	PU-20MYC
	Service reference		PU-7MYC1-EU(S)	PU-8MYC1-EU(S)	PU-10MYC1-EU(S)	PU-15MYC1-EU(S)	PU-20MYC1-EU(S)
External finish			Acrylic resin coating (Munsell 5Y 8/1)				
Dimension	Width	mm	1,400			998	1,996
	Depth	mm	700			998	
	Height	mm	980			1,230	961
Net weight		kg	202	205	230	285	360
Compressor			Hermetic line start(reciprocating)				
No. X Motor output		kW	1 X 5.0	1 X 5.5	1 X 7.5	2 X 5.5	2 X 7.5
Crankcase heater		W	62	62	72	2 X 62	2 X 72
Outdoor coil			Cross fin coil				
Outdoor fan			Propeller-Direct drive				
Outdoor fan motor			Three phase induction motor				
No. X Motor output		kW	2 X 0.09	2 X 0.15		1 X 0.24	2 X 0.24
Outdoor fan air flow		CMM	190	210	220	240	480
		CFM	6,711	7,415	7,770	8,477	16,954
		L/S	3,167	3,000	3,667	4,000	8,000
Sound pressure level		dB(A)	65	65	65	67	68
Protection devices			High pressure switch, freeze & frost protection, Fuse Over current relay (comp & indoor fan, outdoor fan) Internal thermostat (comp & indoor fan, outdoor fan)				

Note 1. Cooling capacity and sound pressure level are based on the following conditions.
Indoor;27˚CDB,19˚CWB, Outdoor;35˚CDB
Cooling capacity is based 5m pipe length.
2. Refergirant charge volumes are factory charged (at 5m piping length).Refrigerant is enclosed with the outdoor unit.
3. Gross capacity do not include a deduction for evaporator fan motor heat.
4. The measuring point of the Sound pressure level is 1m from the unit front surface.
5. Specification subject to change without notice.

PEH-5,7,8MYA Heat pump

Model name			PEH-5MYA	PEH-7MYA	PEH-8MYA	
Service reference			PEH-5MYA-EU	PEH-7MYA-EU	PEH-8MYA-EU	
Total cooling capacity (Gross)		kW	14.4	17.9	22.0	
		Btu/h	49,100	61,100	75,100	
		kcal/h	12,400	15,400	18,900	
Sensible cooling capacity (Gross)		kW	11.5	14.3	17.6	
		Btu/h	39,200	48,800	60,100	
		kcal/h	9,900	12,300	15,100	
Total cooling capacity (Net)		kW	13.9	17.2/17.1	21.4	
		Btu/h	47,400	58,700/58,300	73,000	
		kcal/h	12,000	14,800/14,700	18,400	
Heating capacity (Gross)		kW	13.9	18.0	21.4	
		Btu/h	47,400	61,400	73,000	
		kcal/h	12,000	15,500	18,400	
Heating capacity (Net)		kW	14.4	18.7/18.8	22.0	
		Btu/h	49,100	63,800/64,100	75,100	
		kcal/h	12,400	16,100/16,200	18,900	
Power supply	Indoor		3N~ 380~415V 50Hz	~ 220~240V 50Hz	3N~ 380~415V 50Hz	
	Outdoor		3N~ 380~415V 50Hz	3N~ 380~415V 50Hz	3N~ 380~415V 50Hz	
Capacity step		%	0-100			
Refrigerant			R-22			
Refrigerant charge		kg	5.0	5.7	6.6	
Refrigerant control			Capillary tube			
Indoor Unit	Model name		PEH-5MYA	PEH-7MYA	PEH-8MYA	
	Service reference		PEH-5MYA-EU	PEH-7MYA-EU	PEH-8MYA-EU	
External finish			Galvanized steel			
Dimension	Width	mm	1,095	1,415		
	Depth	mm	650			
	Height	mm	428			
Net weight		kg	60	67	70	
Indoor coil			Cross fin coil			
Indoor fan			Centrifugal (plastic) - Direct drive			
Indoor fan motor			Three phase induction motor	Single phase induction motor	Three phase induction motor	
Motor output		kW	0.45	0.21	0.7	
Indoor fan air flow		CMM	42	60	70	
		CFM	1,483	2,119	2,472	
		L/S	700	1,000	1,167	
External static pressure		mmAq	5/12.5		6.2/12.5	
		Pa	50/125		62/125	
Sound pressure level		dB(A)	55		56	
Drain connection		mm	25.4			
Outdoor unit	Model name		PUH-5MYE	PUH-7MYC	PUH-8MYC	PUH-8MYE
	Service reference		PUH-5MYE$_1$-EU	PUH-7MYC$_2$-EU	PUH-8MYC$_2$-EU	PUH-8MYE$_1$-EU
External finish			Acrylic resin coating (Munsell 5Y 8/1)			
Dimension	Width	mm	1,000	1,400		1,250
	Depth	mm	550	700		550
	Height	mm	1,175	980		1,175
Net weight		kg	150	211	214	188
Compressor			Hermetic line start(reciprocating)			
Motor output		kW	3.73	5.5		
Crankcase heater		W	62			
Outdoor coil			Cross fin coil			
Outdoor fan			Propeller-Direct drive			
Outdoor fan motor			Three phase induction motor			
No. × Motor output		kW	1 × 0.15	2 × 0.09		1 × 0.35
Outdoor fan air flow		CMM	95	167		200
		CFM	3,355	5,898		7,063
		L/S	1,583	2,783		3,333
Sound pressure level		dB(A)	57	65		65
Protection devices			High pressure switch, freeze & frost protection, Fuse Over current relay (comp & indoor fan, outdoor fan) Internal thermostat (comp & indoor fan, outdoor fan)			

Note 1. Cooling, heating capacities and sound pressure level are based on the following conditions.
Cooling indoor; 27˚CDB, 19˚CWB, outdoor :35˚CDB
Heating indoor; 21˚CDB, outdoor :7.0˚CDB, 6.0˚CWB
Cooling and heating capacities are based 5m pipe length.
2. Refergirant charge volumes are factory charged (at 5m piping length).Refrigerant is enclosed with the outdoor unit.
3. Gross capacity do not include a deduction for evaporator fan motor heat.
4. The measuring point of the Sound pressure level is 1m from the unit front surface.
5. Specification subject to change without notice.

PEH-10,15,20MYA Heat pump

Model name			PEH-10MYA		PEH-15MYA	PEH-20MYA
Service reference			PEH-10MYA-EU		PEH-15MYA-EU	PEH-20MYA-EU
Total cooling capacity (Gross)		kW	27.8		44.0	57.6
		Btu/h	94,900		150,200	196,600
		kcal/h	23,900		37,900	49,500
Sensible cooling capacity (Gross)		kW	27.8		35.2	46.0
		Btu/h	94,900		120,200	157,000
		kcal/h	23,900		30,200	39,600
Total cooling capacity (Net)		kW	27.8		42.5/41.7	56.1/55.1
		Btu/h	94,900		145,000/142,300	191,400/188,000
		kcal/h	23,900		36,600/35,900	48,200/47,400
Heating capacity (Gross)		kW	27.8		41.7	55.1
		Btu/h	94,900		142,300	188,000
		kcal/h	23,900		35,900	47,400
Heating capacity (Net)		kW	28.8		43.2/44.0	56.6/57.6
		Btu/h	98,300		147,400/37,200	193,100/196,500
		kcal/h	24,800		150,100/37,800	48,700/49,500
Power supply	Indoor		3N~ 380~415V 50Hz			
	Outdoor		3N~ 380~415V 50Hz			
Capacity step		%	0-100		0-50-100	
Refrigerant			R-22			
Refrigerant charge		kg	9.9	11.0	2 X 6.6	2 X 9.7
Refrigerant control			Capillary tube			
Indoor Unit	Model name		PEH-10MYA		PEH-15MYA	PEH-20MYA
	Service reference		PEH-10MYA-EU		PEH-15MYA-EU	PEH-20MYA-EU
External finish			Galvanized steel			
Dimension	Width	mm	1,615		1,690	1,993
	Depth	mm	650		865	
	Height	mm	428		706	
Net weight		kg	84		180	212
Indoor coil			Cross fin coil			
Indoor fan			Centrifugal (plastic) - Direct drive		Centrifugal (plastic) - Belt drive	
Indoor fan motor			Three phase induction motor			
Motor output		kW	1.0		2.2	3.7
Indoor fan air flow		CMM	90		140	180
		CFM	3,179		4,945	6,358
		L/S	1,500		2,333	3,000
External static pressure		mmAq	6.2/12.5		10/20	
		Pa	62/125		100/200	
Sound pressure level		dB(A)	59		61	62
Drain connection		mm	25.4			
Outdoor unit	Model name		PUH-10MYC	PUH-10MYE	PUH-15MYC	PUH-20MYC
	Service reference		PUH-10MYC$_2$-EU	PUH-10MYE$_1$-EU	PUH-15MYC$_2$-EU	PUH-20MYC$_2$-EU
External finish			Acrylic resin coating (Munsell 5Y 8/1)			
Dimension	Width	mm	1,400	1,250	1,951	
	Depth	mm	700	550	1,080	
	Height	mm	980	1,175	1,200	
Net weight		kg	240	221	431	472
Compressor			Hermetic line start(reciprocating)			
No. X Motor output		kW	1 X 7.5		2 X 5.5	2 X 7.5
Crankcase heater		W	72		2 X 62	2 X 72
Outdoor coil			Cross fin coil			
Outdoor fan			Propeller-Direct drive			
Outdoor fan motor			Three phase induction motor			
No. X Motor output		kW	2 X 0.15	0.35	2 X 0.35	
Outdoor fan air flow		CMM	190	200	2 X 185	
		CFM	6,711	7,063	2 X 6,534	
		L/S	3,167	3,333	2 X 3,083	
Sound pressure level		dB(A)	65		69	
Protection devices			High pressure switch, freeze & frost protection, Fuse Over current relay (comp & indoor fan, outdoor fan) Internal thermostat (comp & indoor fan, outdoor fan)			

Note 1. Cooling, heating capacities and sound pressure level are based on the following conditions.
Cooling indoor; 27˚CDB, 19˚CWB, outdoor :35˚CDB
Heating indoor; 21˚CDB, outdoor :7.0˚CDB, 6.0˚CWB
Cooling and heating capacities are based 5m pipe length.
2. Refergirant charge volumes are factory charged (at 5m piping length).Refrigerant is enclosed with the outdoor unit.
3. Gross capacity do not include a deduction for evaporator fan motor heat.
4. The measuring point of the Sound pressure level is 1m from the unit front surface.
5. Specification subject to change without notice.

ELECTRICAL DATA

PE-7~20MYC-EU

Cooling

VOLT	ITEM		PE-7MYC-EU	PE-8MYC-EU	PE-10MYC-EU	PE-15MYC1-EU	PE-20MYC-EU
			PU-7MYC1-EU	PU-8MYC1-EU	PU-10MYC1-EU	PU-15MYC1-EU	PU-20MYC1-EU
PE-7 240V PE-8~20 415V	TOTAL INPUT	kW	7.1/7.2	7.8	10.1	17.4/17.6	21.1/22.0
	TOTAL RUN CURRENT	A	14.2/14.6	14.2	19.0	29.1/29.6	37.3/39.1
	POWER FACTOR	%	-	76	74	83	78
	START CURRENT	A	74	83	82	119	140
	COMPRESSOR INPUT	kW	6.0	6.8	8.6	2×7.65	2× 9.2
	RUN CURRENT	A	10.7	12.3	16.0	2×12.45	2×15.95
	INDOOR side External static pressure	Pa	50/125	62/125	62/125	100/200	100/200
	INDOOR FAN INPUT	kW	0.7/0.8	0.6	1.0	1.5/1.7	1.5/2.4
	RUN CURRENT	A	2.8/3.2	1.2	2.0	3.1/3.5	3.0/4.8
	OUTDOOR FAN INPUT	kW	0.4	0.4	0.5	0.6	2×0.6
	RUN CURRENT	A	0.7	0.7	1.0	1.2	2×1.2
PE-7 230V PE-8~20 400V	TOTAL INPUT	kW	7.1/7.2	7.8	10.1	17.4/17.6	21.1/22.0
	TOTAL RUN CURRENT	A	14.7/15.2	14.7	19.6	30.2/30.6	38.7/40.5
	POWER FACTOR	%	-	77	74	83	79/78
	START CURRENT	A	77	86	85	123	145
	COMPRESSOR INPUT	kW	6.0	6.8	8.6	2X7.65	2X9.2
	RUN CURRENT	A	11.1	12.8	16.6	2X12.9	2X16.6
	INDOOR side External static pressure	Pa	50/125	62/125	62/125	100/200	100/200
	INDOOR FAN INPUT	kW	0.7/0.8	0.6	1.0	1.5/1.7	1.5/2.4
	RUN CURRENT	A	2.9/3.4	1.2	2.0	3.2/3.6	3.1/4.9
	OUTDOOR FAN INPUT	kW	0.4	0.4	0.5	0.6	2X0.6
	RUN CURRENT	A	0.7	0.7	1.0	1.2	2X1.2
PE-7 220V PE-8~20 380V	TOTAL INPUT	kW	7.1/7.2	7.8	10.1	17.4/17.6	21.1/22.0
	TOTAL RUN CURRENT	A	15.5/15.9	15.5	20.7	31.8/32.3	40.8/42.7
	POWER FACTOR	%	-	76	74	83	78
	START CURRENT	A	81	91	90	131	152
	COMPRESSOR INPUT	kW	6.0	6.8	8.6	2×7.65	2×9.2
	RUN CURRENT	A	11.6	13.4	17.6	2×13.65	2×17.55
	INDOOR side External static pressure	Pa	50/125	62/125	62/125	100/200	100/200
	INDOOR FAN INPUT	kW	0.7/0.8	0.6	1.0	1.5/1.7	1.5/2.4
	RUN CURRENT	A	3.1/3.5	1.3	2.1	3.4/3.8	3.3/5.2
	OUTDOOR FAN INPUT	kW	0.4	0.4	0.5	0.6	2×0.6
	RUN CURRENT	A	0.8	0.8	1.0	1.2	2×1.2

PEH-5,7,8MYA-EU

Cooling

VOLT	ITEM		PEH-5MYA-EU	PEH-7MYA-EU	PEH-8MYA-EU	
			PUH-5MYE1-EU	PUH-7MYC2-EU	PUH-8MYC2-EU	PUH-8MYE1-EU
PEH-7 240V PEH-5, 8 415V	TOTAL INPUT	kW	5.49	7.1/7.2	7.8	7.9
	TOTAL RUN CURRENT	A	9.6	14.2/14.6	14.2	14.7
	POWER FACTOR	%	80	-	76	75
	START CURRENT	A	69	74	83	83
	COMPRESSOR INPUT	kW	4.7	6.0	6.8	6.8
	RUN CURRENT	A	8.1	10.7	12.3	12.3
	INDOOR side External static pressure	Pa	50/125	50/125	62/125	62/125
	INDOOR FAN INPUT	kW	0.54	0.7/0.8	0.6	0.6
	RUN CURRENT	A	1.0	2.8/3.2	1.2	1.2
	OUTDOOR FAN INPUT	kW	0.25	0.4	0.4	0.5
	RUN CURRENT	A	0.5	0.7	0.7	1.2
PEH-7 230V PEH-5, 8 400V	TOTAL INPUT	kW	5.49	7.1/7.2	7.8	7.9
	TOTAL RUN CURRENT	A	10.0	14.7/15.2	14.7	15.2
	POWER FACTOR	%	79	-	77	75
	START CURRENT	A	72	77	86	86
	COMPRESSOR INPUT	kW	4.7	6.0	6.8	6.8
	RUN CURRENT	A	8.5	11.1	12.8	12.8
	INDOOR side External static pressure	Pa	50/125	50/125	62/125	62/125
	INDOOR FAN INPUT	kW	0.54	0.7/0.8	0.6	0.6
	RUN CURRENT	A	1.0	2.9/3.4	1.2	1.2
	OUTDOOR FAN INPUT	kW	0.25	0.4	0.4	0.5
	RUN CURRENT	A	0.5	0.7	0.7	1.2
PEH-7 220V PEH-5, 8 380V	TOTAL INPUT	kW	5.49	7.1/7.2	7.8	7.9
	TOTAL RUN CURRENT	A	10.6	15.5/15.9	15.5	16.0
	POWER FACTOR	%	80	-	76	75
	START CURRENT	A	75	81	91	91
	COMPRESSOR INPUT	kW	4.7	6.0	6.8	6.8
	RUN CURRENT	A	8.9	11.6	13.4	13.4
	INDOOR side External static pressure	Pa	50/125	50/125	62/125	62/125
	INDOOR FAN INPUT	kW	0.54	0.7/0.8	0.6	0.6
	RUN CURRENT	A	1.1	3.1/3.5	1.3	1.3
	OUTDOOR FAN INPUT	kW	0.25	0.4	0.4	0.5
	RUN CURRENT	A	0.6	0.8	0.8	1.3

PEH-5,7,8MYA-EU

Heating

VOLT	ITEM		PEH-5MYA-EU	PEH-7MYA-EU	PEH-8MYA-EU	
			PUH-5MYE1-EU	PUH-7MYC2-EU	PUH-8MYC2-EU	PUH-8MYE1-EU
PEH-7 240V PEH-5, 8 415V	TOTAL INPUT	kW	4.5	6.2/6.3	6.5	6.6
	TOTAL RUN CURRENT	A	8.6	13.2/13.6	12.4	12.9
	POWER FACTOR	%	73	-	73	71
	START CURRENT	A	69	74	83	83
	COMPRESSOR INPUT	kW	3.71	5.1	5.5	5.5
	RUN CURRENT	A	7.1	9.7	10.5	10.5
	INDOOR side External static pressure	Pa	50/125	50/125	62/125	62/125
	INDOOR FAN INPUT	kW	0.54	0.7/0.8	0.6	0.6
	RUN CURRENT	A	1.0	2.8/3.2	1.2	1.2
	OUTDOOR FAN INPUT	kW	0.25	0.4	0.4	0.5
	RUN CURRENT	A	0.5	0.7	0.7	1.2
PEH-7 230V PEH-5, 8 400V	TOTAL INPUT	kW	4.5	6.2/6.3	6.5	6.6
	TOTAL RUN CURRENT	A	8.9	13.7/14.2	12.8	13.4
	POWER FACTOR	%	73	-	73	71
	START CURRENT	A	72	77	86	86
	COMPRESSOR INPUT	kW	3.71	5.1	5.5	5.5
	RUN CURRENT	A	7.4	10.1	10.9	11.0
	INDOOR side External static pressure	Pa	50/125	50/125	62/125	62/125
	INDOOR FAN INPUT	kW	0.54	0.7/0.8	0.6	0.6
	RUN CURRENT	A	1.0	2.9/3.4	1.2	1.2
	OUTDOOR FAN INPUT	kW	0.25	0.4	0.4	0.5
	RUN CURRENT	A	0.5	0.7	0.7	1.2
PEH-7 240V PEH-5, 8 380V	TOTAL INPUT	kW	4.5	6.2/6.3	6.5	6.6
	TOTAL RUN CURRENT	A	9.5	14.5/14.9	13.6	14.1
	POWER FACTOR	%	72	-	73	71
	START CURRENT	A	75	81	91	91
	COMPRESSOR INPUT	kW	3.71	5.1	5.5	5.5
	RUN CURRENT	A	7.8	10.6	11.5	11.5
	INDOOR side External static pressure	Pa	50/125	50/125	62/125	62/125
	INDOOR FAN INPUT	kW	0.54	0.7/0.8	0.6	0.6
	RUN CURRENT	A	1.1	3.1/3.5	1.3	1.3
	OUTDOOR FAN INPUT	kW	0.25	0.4	0.4	0.5
	RUN CURRENT	A	0.6	0.8	0.8	1.3

PEH-10,15,20MYA-EU

Cooling

VOLT	ITEM		PEH-10MYA-EU		PEH-15MYA-EU	PEH-20MYA-EU
			PUH-10MYC2-EU	PUH-10MYE1-EU	PUH-15MYC2-EU	PUH-20MYC2-EU
PEH-10~20 415V	TOTAL INPUT	kW	10.1	10.2	16.1/16.9	20.8/21.8
	TOTAL RUN CURRENT	A	19.0	19.3	29.5/30.9	37.4/39.3
	POWER FACTOR	%	74	74	76	77
	START CURRENT	A	82	82	119	140
	COMPRESSOR INPUT	kW	8.6	8.7	2×6.8	2×9.15
	RUN CURRENT	A	16.0	16.1	2×12.2	2×16.1
	INDOOR side External static pressure	Pa	62/125	62/125	100/200	100/200
	INDOOR FAN INPUT	kW	1.0	1.0	1.5/2.3	1.5/2.5
	RUN CURRENT	A	2.0	2.0	2.7/4.1	2.8/4.7
	OUTDOOR FAN INPUT	kW	0.5	0.5	2×0.5	2×0.5
	RUN CURRENT	A	1.0	1.2	2×1.2	2×1.2
PEH-10~20 400V	TOTAL INPUT	kW	10.1	10.2	16.1/16.9	20.8/21.8
	TOTAL RUN CURRENT	A	19.6	19.9	30.6/32.1	38.8/40.8
	POWER FACTOR	%	74	74	76	77
	START CURRENT	A	85	85	123	145
	COMPRESSOR INPUT	kW	8.6	8.7	2×6.8	2×9.15
	RUN CURRENT	A	16.6	16.7	2×12.7	2×16.75
	INDOOR side External static pressure	Pa	62/125	62/125	100/200	100/200
	INDOOR FAN INPUT	kW	1.0	1.0	1.5/2.3	1.5/2.5
	RUN CURRENT	A	2.0	2.0	2.8/4.3	2.9/4.9
	OUTDOOR FAN INPUT	kW	0.5	0.5	2×0.5	2×0.5
	RUN CURRENT	A	1.0	1.2	2×1.2	2×1.2
PEH-10~20 380V	TOTAL INPUT	kW	10.1	10.2	16.1/16.9	20.8/21.8
	TOTAL RUN CURRENT	A	20.7	21.0	32.1/33.7	40.9/42.9
	POWER FACTOR	%	68	68	70	71
	START CURRENT	A	90	90	131	152
	COMPRESSOR INPUT	kW	8.6	8.7	2×6.8	2×9.15
	RUN CURRENT	A	17.5	17.6	2×13.3	2×17.6
	INDOOR side External static pressure	Pa	62/125	62/125	100/200	100/200
	INDOOR FAN INPUT	kW	1.0	1.0	1.5/2.3	1.5/2.5
	RUN CURRENT	A	2.1	2.1	2.9/4.5	3.1/5.1
	OUTDOOR FAN INPUT	kW	0.5	0.5	2×0.5	2×0.5
	RUN CURRENT	A	1.1	1.3	2×1.3	2×1.3

PEH-10,15,20MYA-EU

Heating

VOLT	ITEM		PEH-10MYA-EU		PEH-15MYA-EU	PEH-20MYA-EU
			PUH-10MYC2-EU	PUH-10MYE1-EU	PUH-15MYC2-EU	PUH-20MYC2-EU
PEH-10~20 415V	TOTAL INPUT	kW	8.3	8.6	13.7/14.5	16.2/17.2
	TOTAL RUN CURRENT	A	16.1	16.4	25.5/26.9	31.3/33.2
	POWER FACTOR	%	72	73	75	72
	START CURRENT	A	82	82	115	136
	COMPRESSOR INPUT	kW	6.8	7.1	2×5.6	2×6.85
	RUN CURRENT	A	13.1	13.2	2×10.2	2×13.05
	INDOOR side External static pressure	Pa	62/125	62/125	100/200	100/200
	INDOOR FAN INPUT	kW	1.0	1.0	1.5/2.3	1.5/2.5
	RUN CURRENT	A	2.0	2.0	2.7/4.1	2.8/4.7
	OUTDOOR FAN INPUT	kW	0.5	0.5	2×0.5	2×0.5
	RUN CURRENT	A	1.0	1.2	2×1.2	2×1.2
PEH-10~20 400V	TOTAL INPUT	kW	8.3	8.6	13.7/14.5	16.2/17.2
	TOTAL RUN CURRENT	A	16.6	16.9	26.5/28.0	32.5/34.5
	POWER FACTOR	%	72	73	75	72
	START CURRENT	A	85	85	119	141
	COMPRESSOR INPUT	kW	6.8	7.1	2×5.6	2×6.85
	RUN CURRENT	A	13.6	13.7	2×10.65	2×13.6
	INDOOR side External static pressure	Pa	62/125	62/125	100/200	100/200
	INDOOR FAN INPUT	kW	1.0	1.0	1.5/2.3	1.5/2.5
	RUN CURRENT	A	2.0	2.0	2.8/4.3	2.9/4.9
	OUTDOOR FAN INPUT	kW	0.5	0.5	2×0.5	2×0.5
	RUN CURRENT	A	1.0	1.2	2×1.2	2×1.2
PEH-10~20 380V	TOTAL INPUT	kW	8.3	8.6	13.7/14.5	16.2/17.2
	TOTAL RUN CURRENT	A	17.5	17.8	27.8/29.4	34.3/36.3
	POWER FACTOR	%	72	73	75	72
	START CURRENT	A	90	90	126	148
	COMPRESSOR INPUT	kW	6.8	7.1	2×5.6	2×6.85
	RUN CURRENT	A	14.3	14.4	2×11.15	2×14.25
	INDOOR side External static pressure	Pa	62/125	62/125	100/200	100/200
	INDOOR FAN INPUT	kW	1.0	1.0	1.5/2.3	1.5/2.5
	RUN CURRENT	A	2.1	2.1	2.9/4.5	3.1/5.1
	OUTDOOR FAN INPUT	kW	0.5	0.5	2×0.5	2×0.5
	RUN CURRENT	A	1.1	1.3	2×1.3	2×1.3

SELECTION PROCEDURE

1. Model Selection (With actual examples)

First step, to select the approximate model:

Based on the cooling load and the cooling capacity listed in the capacity table, select the applicable model.

Second step, to select the model:

To select the model, the following conditions must be known:

(1) Total cooling load or sensible cooling load
(2) Indoor conditioned temperature (WB*1, DB)
(3) Designed outdoor temperature (DB)*2
(4) Designed air flow
(5) Designed external static pressure (= Wind pressure loss of air duct)*3

Notes:

*1. The correct WB is required since it has a serious effect on the capacity.

*2. The cooling capacity decreases as the outdoor temperature increases. Therefore, the estimated highest temperature during an air conditioning time frame is the "designed outdoor temperature". However, it is recommended that the abnormal outdoor temperature which may occur once or twice a year be excluded from the calculation to avoid selection of an excessively large capacity model.

*3. The wind pressure loss of an air duct should be calculated correctly. If a value having an excessive allowance is used, an excessively large model will be selected. Moreover, an excessively high air flow will be induced during actual operation causing the generation of high operating sounds and carry-over of condensed water.

(Step-1) Confirmation of operation range

Confirm that the conditions given above for the model to be selected are within the operation range listed on Page 37.

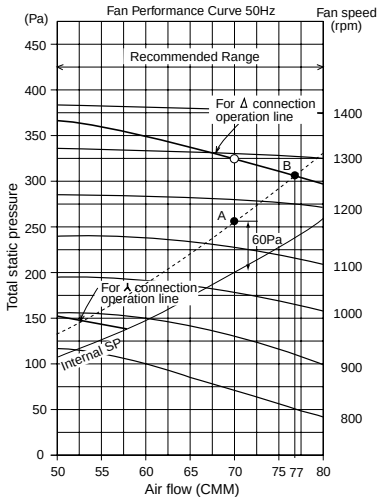
(Step-2) Calculation of actual air flow, external static pressure, and fan motor input

Based on the designed air flow and external static pressure, obtain the actual air flow, actual external static pressure, and fan motor power input from the fan performance table for the model selected. For an explanation of how to use the fan performance table, see the following examples.

Example: PE-8MYC, 50Hz

Example 1. (To operate with values near to the designed air flow and external static pressure.)

Condition : Designed air flow 70CMM
Designed external static pressure 60Pa
Calculation : The designed point is A. Therefore, duct resistance line passing A is dotted line.
Therefore, actual point is B for Δ connection
Actual air flow = 77CMM
Actual external static pressure = 70Pa
Note: Duct resustance line is secondary curve.



(Step-3) Calculation of net capacity

Based on the indoor conditioned temperature (WB,DB), designed outdoor temperature (DB), and the actual air flow obtained in Step-2, obtain the gross capacity from the gross capacity tables (pages 18~35). Then, calculate the net capacity from the formula below by using the fan motor input obtained in Step-2.

Net capacity (kW) = Gross capacity (kW) - Fan motor input (kW)

Example: PE-8MYC

Condition:

Indoor conditioned temp. : 26˚CDB, 19˚CWB

Designed outdoor temp. : 40˚CDB

Actual air flow : 77CMM

Fan motor input : 0.6kW (See P.11)

Calculation :

The sections of the gross capacity table applicable for the above conditions are shown right.

INDOOR	INDOOR	OUTDOOR DB˚C					
			40.0				
DB˚C	WB˚C		Q kW	SHC kW	SHF	T/I kW	
			⋮	⋮	⋮	⋮	
26	19	----------	21.3	9.7	0.46	8.3	
			⋮	⋮	⋮	⋮	

Factor for Various Air Flow

PE-8MYC-EU	AIR VOLUME	CMM	60	70	80
		L/S	1,000	1,167	1,330
COOLING	CAPACITY		0.976	1.0	1.025
	TOTAL INPUT		0.991	1.0	1.009
	SHC		0.963	1.0	1.044

At 26˚CDB, 19˚CWB of Indoor,

Q = 21.3, SHC = 9.7, T/I = 8.3

Therefore, when air flow is 77(CMM)

Q = 21.3 × (1+(1.025 - 1.0) × 7/10*) ÷ 21.7(kW)

SHC = 9.7 × (1+(1.044 - 1.0) × 7/10*) ÷ 10.0(kW)

T/I = 8.3 × (1+(1.009-1.0))× 7/10*) ÷ 8.4(kW)

Note * : 7/10 = (77-70)/(80-70)

Therfore, the net capacity is,

Net total cooling capacity = 21.7 (kw) - 0.6(kW)

= 21.1 (kW)

Net sensible cooling capacity = 10.0 (kW) - 0.6 (kW)

= 9.4 (kW)

2. Efficiency Calculation

• Refrigerant cycle energy efficienty

(1) $COP = \frac{\text{Gross total cooling capacity (kW)}}{\text{Compressor input (kW)}}$

(2) $EER = \frac{\text{Gross total cooling capacity (kW)}}{\text{Total input (kW)}}$

• System energy efficienty

(1) $COP = \frac{\text{Net cooling capacity (kW)}}{\text{Compressor input (kW)}}$

(2) $EER = \frac{\text{Net cooling capacity (kW)}}{\text{Total input (kW)}}$

1kW = 3412Btu/h

Notes:

1. COP : Coefficient of performance
2. EER : Energy efficiency ratio
3. Temperature condition of COP, EER (ARI Standard Ratings)
   Indoor entering air temp. : 80˚FDB (=27˚CDB), 66˚FWB(=19˚CWB)
   Outdoor entering air temp. : 95˚FDB (=35˚CDB)
4. Total input = Compressor input + Indoor fan motor input + Outdoor fan motor input (page 11).

Cooling Capacity (Standard Air Flow)

PEH-5MYA-EU

INDOOR	INDOOR	OUTDOOR DB°C																					
		20.0				25.0				30.0				35.0				40.0				46.0			
DB°C	WB °C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	13.9	7.2	0.52	4.4	13.5	7.0	0.52	4.6	13.1	6.9	0.53	4.9	12.6	6.7	0.53	5.3	12.0	6.5	0.54	5.7	11.3	6.4	0.57	6.1
	16	14.5	5.5	0.38	4.5	14.1	5.4	0.38	4.7	13.6	5.2	0.39	5.0	13.0	5.0	0.39	5.3	12.4	4.9	0.39	5.8	11.7	4.9	0.42	6.2
	17	15.0	4.2	0.28	4.5	14.6	4.1	0.28	4.7	14.1	4.0	0.28	5.0	13.5	3.8	0.28	5.4	12.8	3.7	0.29	5.8	12.1	3.6	0.30	6.3
22	15	13.9	10.1	0.72	4.4	13.5	9.9	0.73	4.6	13.1	9.7	0.74	4.9	12.6	9.5	0.76	5.3	12.0	9.3	0.77	5.7	11.3	9.3	0.82	6.1
	16	14.5	8.3	0.57	4.5	14.1	8.2	0.58	4.7	13.6	7.9	0.58	5.0	13.0	7.8	0.60	5.3	12.4	7.6	0.61	5.8	11.7	7.7	0.65	6.2
	17	15.0	6.8	0.45	4.5	14.6	6.7	0.46	4.7	14.1	6.5	0.46	5.0	13.5	6.3	0.47	5.4	12.8	6.1	0.48	5.8	12.1	6.1	0.50	6.3
	18	15.6	5.2	0.34	4.5	15.1	5.2	0.34	4.8	14.6	5.0	0.34	5.1	14.0	4.9	0.35	5.4	13.3	4.7	0.36	5.9	12.5	4.7	0.38	6.3
	19	16.1	3.9	0.24	4.6	15.6	3.8	0.24	4.8	15.1	3.7	0.25	5.1	14.4	3.6	0.25	5.5	13.7	3.4	0.25	5.9	12.9	3.5	0.27	6.4
24	16	14.5	11.0	0.76	4.5	14.1	10.9	0.77	4.7	13.6	10.7	0.79	5.0	13.0	10.4	0.80	5.3	12.4	10.1	0.82	5.8	11.7	10.3	0.88	6.2
	17	15.0	9.3	0.62	4.5	14.6	9.1	0.62	4.7	14.1	9.0	0.63	5.0	13.5	8.7	0.65	5.4	12.8	8.5	0.67	5.8	12.1	8.6	0.71	6.3
	18	15.6	8.0	0.52	4.5	15.1	7.9	0.52	4.8	14.6	7.7	0.53	5.1	14.0	7.5	0.54	5.4	13.3	7.4	0.55	5.9	12.5	7.4	0.59	6.3
	19	16.1	6.7	0.42	4.6	15.6	6.6	0.42	4.8	15.1	6.4	0.42	5.1	14.4	6.2	0.43	5.5	13.7	6.0	0.44	5.9	12.9	6.0	0.46	6.4
	20	17.3	5.1	0.29	4.6	16.8	5.0	0.30	4.9	16.2	4.8	0.30	5.2	15.5	4.6	0.30	5.5	14.7	4.5	0.30	6.0	13.8	4.6	0.33	6.4
	21	17.3	3.8	0.22	4.7	16.8	3.7	0.22	4.9	16.2	3.6	0.22	5.2	15.5	3.5	0.22	5.6	14.7	3.3	0.23	6.0	13.8	3.3	0.24	6.5
26	18	15.6	10.6	0.68	4.5	15.1	10.4	0.69	4.8	14.6	10.3	0.70	5.1	14.0	10.0	0.71	5.4	13.3	9.8	0.74	5.9	12.5	10.0	0.80	6.3
	19	16.1	9.1	0.57	4.6	15.6	8.9	0.57	4.8	15.1	8.8	0.58	5.1	14.4	8.5	0.59	5.5	13.7	8.4	0.61	5.9	12.9	8.4	0.65	6.4
	20	17.3	7.4	0.43	4.6	16.8	7.3	0.43	4.9	16.2	7.1	0.44	5.2	15.5	6.9	0.44	5.5	14.7	6.7	0.46	6.0	13.8	6.9	0.50	6.4
	21	17.3	6.2	0.36	4.7	16.8	6.1	0.36	4.9	16.2	6.0	0.37	5.2	15.5	5.8	0.37	5.6	14.7	5.6	0.38	6.0	13.8	5.8	0.42	6.5
	22	17.9	4.8	0.27	4.7	17.4	4.7	0.27	5.0	16.8	4.6	0.28	5.3	16.0	4.5	0.28	5.7	15.2	4.4	0.29	6.1	14.3	4.4	0.31	6.6
	23	18.5	3.7	0.20	4.8	18.0	3.6	0.20	5.1	17.3	3.6	0.21	5.4	16.6	3.4	0.21	5.8	15.7	3.3	0.21	6.2	14.8	3.4	0.23	6.7
28	19	16.1	12.1	0.75	4.6	15.6	12.0	0.77	4.8	15.1	11.9	0.79	5.1	14.4	11.7	0.81	5.5	13.7	11.5	0.84	5.9	12.9	11.3	0.88	6.4
	20	17.3	10.1	0.59	4.6	16.8	10.0	0.59	4.9	16.2	9.8	0.61	5.2	15.5	9.7	0.62	5.5	14.7	9.4	0.64	6.0	13.8	9.5	0.69	6.4
	21	17.3	8.9	0.51	4.7	16.8	8.7	0.52	4.9	16.2	8.6	0.53	5.2	15.5	8.4	0.54	5.6	14.7	8.2	0.56	6.0	13.8	8.3	0.60	6.5
	22	17.9	7.5	0.42	4.7	17.4	7.3	0.42	5.0	16.8	7.2	0.43	5.3	16.0	7.0	0.44	5.7	15.2	6.8	0.45	6.1	14.3	6.8	0.47	6.6
	23	18.5	6.2	0.33	4.8	18.0	6.1	0.34	5.1	17.3	6.0	0.35	5.4	16.6	5.9	0.35	5.8	15.7	5.6	0.36	6.2	14.8	5.6	0.38	6.7
	24	19.0	4.8	0.25	4.8	18.5	4.7	0.26	5.1	17.9	4.7	0.26	5.4	17.1	4.6	0.27	5.8	16.3	4.3	0.27	6.3	15.3	4.4	0.28	6.7
30	20	17.3	12.4	0.72	4.6	16.8	12.2	0.73	4.9	16.2	12.0	0.74	5.2	15.5	11.7	0.75	5.5	14.7	11.5	0.78	6.0	13.8	11.9	0.86	6.4
	21	17.3	11.2	0.65	4.7	16.8	11.0	0.66	4.9	16.2	10.8	0.67	5.2	15.5	10.6	0.68	5.6	14.7	10.3	0.70	6.0	13.8	10.6	0.76	6.5
	22	17.9	9.9	0.55	4.7	17.4	9.6	0.55	5.0	16.8	9.6	0.57	5.3	16.0	9.3	0.58	5.7	15.2	9.1	0.60	6.1	14.3	9.2	0.64	6.6
	23	18.5	8.6	0.46	4.8	18.0	8.5	0.47	5.1	17.3	8.3	0.48	5.4	16.6	8.1	0.49	5.8	15.7	7.9	0.50	6.2	14.8	7.7	0.52	6.7
	24	19.0	7.3	0.38	4.8	18.5	7.2	0.39	5.1	17.9	7.0	0.39	5.4	17.1	6.9	0.40	5.8	16.3	6.6	0.41	6.3	15.3	6.5	0.43	6.7

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 125Pa”.)

Factor for Various Air Flow

PEH-5MYA-EU	AIR VOLUME	CMM	35	42	50
		L/S	584	700	834
COOLING	CAPACITY		0.969	1.0	1.025
	TOTAL INPUT		0.989	1.0	1.009
	SHC		0.967	1.0	1.028

Heating Capacity (Standard Air Flow)

PEH-5MYA-EU

INDOOR	OUTDOOR WB˚C					
	-10.0		-5.0		0.0	
DB˚C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	9.2	3.1	10.7	3.4	12.4	3.7
16	9.2	3.1	10.7	3.4	12.3	3.7
17	9.1	3.1	10.7	3.4	12.3	3.8
18	9.1	3.2	10.6	3.5	12.3	3.8
19	9.1	3.2	10.6	3.5	12.2	3.8
20	9.0	3.2	10.5	3.5	12.2	3.8
21	9.0	3.2	10.5	3.5	12.2	3.9
22	8.9	3.2	10.4	3.5	12.1	3.9
23	8.9	3.2	10.4	3.6	12.1	3.9
24	8.8	3.2	10.3	3.6	12.0	4.0
25	8.8	3.2	10.3	3.6	12.0	4.1
26	8.7	3.3	10.2	3.6	11.9	4.1
27	8.7	3.3	10.2	3.7	11.8	4.1

INDOOR	OUTDOOR WB˚C					
	5.0		10.0		15.0	
DB˚C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	14.3	4.2	16.4	4.7	18.7	5.2
16	14.3	4.2	16.4	4.7	18.6	5.1
17	14.2	4.2	16.3	4.7	18.6	5.2
18	14.2	4.2	16.3	4.8	18.5	5.4
19	14.1	4.3	16.2	4.8	18.5	5.4
20	14.1	4.3	16.1	4.9	18.4	5.5
21	14.0	4.4	16.1	4.9	18.3	5.5
22	14.0	4.4	16.0	4.9	18.2	5.6
23	13.9	4.4	15.9	5.0	18.1	5.6
24	13.9	4.5	15.9	5.0	18.1	5.6
25	13.8	4.5	15.8	5.1	18.0	5.7
26	13.7	4.5	15.7	5.1	17.8	5.8
27	13.6	4.6	15.6	5.2	17.7	5.8

* Q:HEATING CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 125Pa”.)

Factor for Various Air Flow

PEH-5MYA-EU	AIR VOLUME	CMM	35	42	50
		L/S	584	700	834
HEATING	CAPACITY		0.987	1.0	1.011
	TOTAL INPUT		1.021	1.0	0.983

Cooling Capacity (Standard Air Flow)

PE-7MYC-EU , PEH-7MYA-EU

INDOOR	INDOOR	OUTDOOR DB°C																							
		20.0				25.0				30.0				35.0				40.0				46.0			
DB°C	WB°C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	16.9	10.3	0.61	5.5	16.5	10.1	0.61	5.8	15.8	9.8	0.62	6.2	15.1	9.5	0.63	6.7	14.3	9.1	0.64	7.2	13.6	8.9	0.65	7.9
	16	17.7	7.9	0.44	5.6	17.2	7.7	0.44	5.9	16.5	7.4	0.45	6.3	15.8	7.2	0.46	6.8	15.0	6.9	0.46	7.3	14.2	6.6	0.47	8.0
	17	18.4	6.0	0.32	5.7	17.9	5.8	0.33	6.0	17.2	5.7	0.33	6.4	16.5	5.5	0.33	6.9	15.7	5.3	0.34	7.5	14.8	5.0	0.34	8.1
22	15	16.9	14.4	0.85	5.5	16.5	14.2	0.86	5.8	15.8	13.9	0.88	6.2	15.1	13.5	0.90	6.7	14.3	13.2	0.93	7.2	13.6	12.9	0.95	7.9
	16	17.7	11.8	0.67	5.6	17.2	11.5	0.67	5.9	16.5	11.3	0.68	6.3	15.8	11.0	0.70	6.8	15.0	10.7	0.71	7.3	14.2	10.3	0.73	8.0
	17	18.4	9.7	0.53	5.7	17.9	9.5	0.53	6.0	17.2	9.3	0.54	6.4	16.5	9.0	0.55	6.9	15.7	8.8	0.56	7.5	14.8	8.5	0.57	8.1
	18	19.3	7.5	0.39	5.8	18.7	7.3	0.39	6.1	18.0	7.2	0.40	6.6	17.2	6.9	0.40	7.0	16.5	6.8	0.41	7.6	15.5	6.5	0.42	8.2
	19	19.9	5.6	0.28	5.9	19.3	5.4	0.28	6.3	18.7	5.3	0.29	6.7	17.9	5.2	0.29	7.2	17.0	5.0	0.29	7.7	16.0	4.8	0.30	8.3
24	16	17.7	15.8	0.89	5.6	17.2	15.5	0.90	5.9	16.5	15.3	0.93	6.3	15.8	14.8	0.94	6.8	15.0	14.5	0.97	7.3	14.2	14.1	0.99	8.0
	17	18.4	13.3	0.72	5.7	17.9	13.0	0.73	6.0	17.2	12.7	0.74	6.4	16.5	12.4	0.75	6.9	15.7	12.1	0.77	7.5	14.8	11.8	0.79	8.1
	18	19.3	11.5	0.60	5.8	18.7	11.3	0.61	6.1	18.0	11.1	0.62	6.6	17.2	10.7	0.62	7.0	16.5	10.5	0.64	7.6	15.5	10.2	0.66	8.2
	19	19.9	9.6	0.48	5.9	19.3	9.4	0.49	6.3	18.7	9.3	0.50	6.7	17.9	9.0	0.50	7.2	17.0	8.7	0.51	7.7	16.0	8.4	0.52	8.3
	20	21.2	7.3	0.34	6.1	20.4	7.1	0.35	6.4	19.7	7.0	0.35	6.8	18.8	6.8	0.36	7.3	17.9	6.6	0.37	7.9	16.9	6.3	0.37	8.5
	21	22.0	5.5	0.25	6.2	21.2	5.3	0.25	6.5	20.5	5.2	0.25	6.9	19.6	5.1	0.26	7.4	18.7	4.9	0.26	8.0	17.6	4.7	0.26	8.6
26	18	19.3	15.2	0.79	5.8	18.7	14.9	0.80	6.1	18.0	14.7	0.82	6.6	17.2	14.2	0.83	7.0	16.5	14.1	0.85	7.6	15.5	13.6	0.88	8.2
	19	19.9	13.0	0.66	5.9	19.3	12.8	0.66	6.3	18.7	12.6	0.67	6.7	17.9	12.3	0.69	7.2	17.0	12.0	0.71	7.7	16.0	11.5	0.72	8.3
	20	21.2	10.6	0.50	6.1	20.4	10.3	0.50	6.4	19.7	10.1	0.51	6.8	18.8	9.9	0.53	7.3	17.9	9.6	0.54	7.9	16.9	9.2	0.55	8.5
	21	22.0	8.9	0.41	6.2	21.2	8.7	0.41	6.5	20.5	8.5	0.41	6.9	19.6	8.4	0.43	7.4	18.7	8.1	0.43	8.0	17.6	7.7	0.44	8.6
	22	22.8	6.9	0.30	6.3	22.1	6.8	0.31	6.6	21.3	6.6	0.31	7.0	20.4	6.4	0.32	7.5	19.5	6.2	0.32	8.1	18.4	5.9	0.32	8.7
	23	23.7	5.3	0.22	6.4	23.0	5.1	0.22	6.8	22.1	5.0	0.23	7.2	21.2	4.8	0.23	7.7	20.3	4.6	0.23	8.2	19.2	4.3	0.23	8.9
28	19	19.9	17.3	0.87	5.9	19.3	17.2	0.89	6.3	18.7	17.1	0.91	6.7	17.9	16.8	0.94	7.2	17.0	16.3	0.96	7.7	16.0	15.8	0.99	8.3
	20	21.2	14.5	0.68	6.1	20.4	14.2	0.70	6.4	19.7	14.0	0.71	6.8	18.8	13.7	0.73	7.3	17.9	13.4	0.75	7.9	16.9	12.9	0.76	8.5
	21	22.0	12.7	0.58	6.2	21.2	12.4	0.59	6.5	20.5	12.2	0.60	6.9	19.6	12.0	0.61	7.4	18.7	11.7	0.63	8.0	17.6	11.2	0.63	8.6
	22	22.8	10.7	0.47	6.3	22.1	10.5	0.48	6.6	21.3	10.3	0.48	7.0	20.4	10.1	0.50	7.5	19.5	9.9	0.51	8.1	18.4	9.5	0.52	8.7
	23	23.7	8.9	0.37	6.4	23.0	8.7	0.38	6.8	22.1	8.5	0.38	7.2	21.2	8.4	0.39	7.7	20.3	8.2	0.40	8.2	19.2	7.9	0.41	8.9
	24	24.7	6.9	0.28	6.6	24.0	6.7	0.28	6.9	23.1	6.6	0.29	7.3	22.2	6.4	0.29	7.8	21.2	6.4	0.30	8.3	20.0	6.2	0.31	9.0
30	20	21.2	17.7	0.84	6.1	20.4	17.2	0.84	6.4	19.7	17.0	0.86	6.8	18.8	16.6	0.88	7.3	17.9	16.5	0.92	7.9	16.9	16.2	0.96	8.5
	21	22.0	16.0	0.73	6.2	21.2	15.6	0.74	6.5	20.5	15.4	0.75	6.9	19.6	15.1	0.77	7.4	18.7	14.9	0.80	8.0	17.6	14.4	0.82	8.6
	22	22.8	14.1	0.62	6.3	22.1	13.9	0.63	6.6	21.3	13.7	0.64	7.0	20.4	13.4	0.66	7.5	19.5	13.1	0.67	8.1	18.4	12.7	0.69	8.7
	23	23.7	12.3	0.52	6.4	23.0	12.2	0.53	6.8	22.1	11.9	0.54	7.2	21.2	11.6	0.55	7.7	20.3	11.4	0.56	8.2	19.2	11.1	0.58	8.9
	24	24.7	10.5	0.42	6.6	24.0	10.3	0.43	6.9	23.1	10.1	0.44	7.3	22.2	9.9	0.45	7.8	21.2	9.7	0.46	8.3	20.0	9.3	0.47	9.0

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 125Pa”. If you need “ESP = 50Pa”, please subtract “0.1kw” from “T/I value of this table”.)

Factor for Various Air Flow

PE-7MYC-EU PEH-7MYA-EU	AIR VOLUME	CMM	50	60	70
		L/S	830	1,000	1,167
COOLING	CAPACITY		0.975	1.0	1.024
	TOTAL INPUT		0.989	1.0	1.009
	SHC		0.964	1.0	1.040

Cooling Capacity (Standard Air Flow)

(Use for low ambient cooling parts)

PE-7MYC-EU , PEH-7MYA-EU

INDOOR		OUTDOOR DB°C																			
		-5.0				0.0				5.0				10.0				15.0			
DB°C	WB°C	Q kW	SHC kW	SHF	T/I kW	Q kW	SHC kW	SHF	T/I kW	Q kW	SHC kW	SHF	T/I kW	Q kW	SHC kW	SHF	T/I kW	Q kW	SHC kW	SHF	T/I kW
20	15	17.9	10.6	0.59	5.0	17.8	10.6	0.60	5.1	17.7	10.6	0.60	5.1	17.5	10.5	0.60	5.3	17.3	10.4	0.60	5.6
	16	18.8	8.3	0.44	5.2	18.7	8.3	0.44	5.2	18.6	8.2	0.44	5.3	18.4	8.1	0.44	5.4	18.2	8.0	0.44	5.7
	17	19.8	6.2	0.31	5.3	19.7	6.2	0.31	5.3	19.6	6.2	0.31	5.4	19.4	6.1	0.31	5.5	19.1	6.0	0.32	5.8
22	15	17.9	14.8	0.83	5.0	17.8	14.8	0.83	5.1	17.7	14.7	0.83	5.1	17.5	14.6	0.84	5.3	17.3	14.5	0.84	5.6
	16	18.8	12.4	0.66	5.2	18.7	12.3	0.66	5.2	18.6	12.2	0.66	5.3	18.4	12.1	0.66	5.4	18.2	12.0	0.66	5.7
	17	19.8	10.0	0.51	5.3	19.7	10.0	0.51	5.3	19.6	9.9	0.51	5.4	19.4	9.9	0.51	5.5	19.1	9.8	0.51	5.8
	18	20.7	7.9	0.38	5.4	20.6	7.9	0.38	5.3	20.5	7.8	0.38	5.5	20.3	7.7	0.38	5.6	19.9	7.6	0.38	5.9
	19	21.7	6.0	0.28	5.5	21.6	5.9	0.27	5.5	21.5	5.9	0.27	5.6	21.3	5.8	0.27	5.8	20.8	5.7	0.27	6.1
24	16	18.8	16.4	0.87	5.2	18.7	16.3	0.87	5.2	18.6	16.3	0.87	5.8	18.4	16.1	0.87	5.4	18.2	16.0	0.88	5.7
	17	19.8	13.8	0.70	5.3	19.7	13.8	0.70	5.3	19.6	13.7	0.70	5.4	19.4	13.6	0.70	5.5	19.1	13.4	0.70	5.8
	18	20.7	11.9	0.57	5.4	20.6	11.8	0.57	5.3	20.5	11.8	0.57	5.5	20.3	11.7	0.58	5.6	19.9	11.6	0.58	5.9
	19	21.7	9.9	0.46	5.5	21.6	9.9	0.46	5.5	21.5	9.8	0.46	5.6	21.3	9.7	0.46	5.8	20.8	9.7	0.46	6.1
	20	22.6	7.7	0.34	5.6	22.5	7.6	0.34	5.6	22.4	7.6	0.34	5.8	22.2	7.5	0.34	5.9	21.7	7.4	0.34	6.2
	21	23.5	5.8	0.25	5.7	23.4	5.8	0.25	5.7	23.3	5.8	0.25	5.9	23.1	5.7	0.25	6.0	22.6	5.6	0.25	6.3
26	18	20.7	15.8	0.76	5.4	20.6	15.7	0.76	5.3	20.5	15.7	0.76	5.5	20.3	15.5	0.76	5.6	19.9	15.4	0.77	5.9
	19	21.7	13.6	0.63	5.5	21.6	13.5	0.63	5.5	21.5	13.5	0.63	5.6	21.3	13.3	0.63	5.8	20.8	13.2	0.63	6.1
	20	22.6	11.3	0.50	5.6	22.5	11.2	0.50	5.6	22.4	11.1	0.50	5.8	22.2	10.9	0.49	5.9	21.7	10.8	0.50	6.2
	21	23.5	9.5	0.41	5.7	23.4	9.5	0.40	5.7	23.3	9.4	0.40	5.9	23.1	9.2	0.40	6.0	22.6	9.1	0.40	6.3
	22	24.5	7.3	0.30	5.8	24.4	7.3	0.30	5.8	24.3	7.2	0.30	6.0	24.1	7.1	0.30	6.1	23.5	7.0	0.30	6.4
	23	25.4	5.7	0.23	6.0	25.3	5.7	0.22	5.9	25.2	5.6	0.22	6.1	25.0	5.5	0.22	6.3	24.3	5.4	0.22	6.5
28	19	21.7	17.5	0.81	5.5	21.6	17.5	0.81	5.5	21.5	17.5	0.81	5.6	21.3	17.4	0.82	5.8	20.8	17.4	0.83	6.1
	20	22.6	15.1	0.67	5.6	22.5	15.0	0.67	5.6	22.4	14.9	0.67	5.8	22.2	14.8	0.67	5.9	21.7	14.6	0.68	6.2
	21	23.5	13.2	0.56	5.7	23.4	13.2	0.56	5.7	23.3	13.1	0.56	5.9	23.1	13.0	0.56	6.0	22.6	12.8	0.57	6.3
	22	24.5	11.0	0.45	5.8	24.4	11.0	0.45	5.8	24.3	10.9	0.45	6.0	24.1	10.9	0.45	6.1	23.5	10.8	0.46	6.4
	23	25.4	9.2	0.36	6.0	25.3	9.1	0.36	5.9	25.2	9.1	0.36	6.1	25.0	9.0	0.36	6.3	24.3	8.9	0.37	6.5
	24	26.2	7.3	0.28	6.1	26.1	7.3	0.28	6.1	25.9	7.2	0.28	6.2	25.6	7.1	0.28	6.5	25.2	7.0	0.28	6.7
30	20	22.6	18.8	0.83	5.6	22.5	18.6	0.83	5.6	22.4	18.5	0.83	5.8	22.2	18.3	0.82	5.9	21.7	18.0	0.83	6.2
	21	23.5	16.8	0.71	5.7	23.4	16.7	0.71	5.7	23.3	16.6	0.71	5.9	23.1	16.4	0.71	6.0	22.6	16.2	0.72	6.3
	22	24.5	14.7	0.60	5.8	24.4	14.6	0.60	5.8	24.3	14.6	0.60	6.0	24.1	14.4	0.60	6.1	23.5	14.3	0.61	6.4
	23	25.4	12.5	0.49	6.0	25.3	12.5	0.49	5.9	25.2	12.4	0.49	6.1	25.0	12.4	0.50	6.3	24.3	12.4	0.51	6.5
	24	26.2	10.8	0.41	6.1	26.1	10.7	0.41	6.1	25.9	10.7	0.41	6.2	25.6	10.6	0.41	6.5	25.2	10.5	0.42	6.7

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of "indoor fan external static pressure: ESP = 125Pa". If you need "ESP = 50Pa", please subtract "0.1kw" from "T/I value of this table".)

Heating Capacity (Standard Air Flow)

PEH-7MYA-EU

INDOOR	OUTDOOR WB°C					
	-10.0		-5.0		0.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	11.5	4.6	13.5	5.0	15.4	5.4
16	11.7	4.6	13.8	5.0	16.1	5.4
17	11.3	4.7	13.4	5.0	15.8	5.5
18	11.2	4.7	13.3	5.1	15.7	5.5
19	11.0	4.8	13.2	5.1	15.6	5.5
20	11.0	4.8	13.2	5.1	15.6	5.6
21	11.0	4.8	13.1	5.2	15.5	5.6
22	10.9	4.8	13.1	5.2	15.5	5.7
23	10.8	4.8	13.0	5.2	15.4	5.7
24	10.8	4.8	12.9	5.3	15.3	5.8
25	10.8	4.8	13.0	5.3	15.4	5.8
26	10.6	4.8	12.8	5.3	15.1	5.8
27	10.6	4.9	12.7	5.3	15.0	5.9

INDOOR	OUTDOOR WB°C					
	5.0		10.0		15.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	18.5	5.9	21.4	6.4	24.6	7.0
16	18.8	5.9	21.7	6.5	24.8	7.1
17	18.4	6.0	21.3	6.6	24.4	7.2
18	18.4	6.0	21.2	6.6	24.4	7.3
19	18.2	6.1	21.0	6.7	24.2	7.4
20	18.2	6.1	21.0	6.7	24.2	7.5
21	18.2	6.2	21.0	6.8	24.1	7.6
22	18.1	6.2	21.0	6.9	24.1	7.6
23	18.0	6.3	20.9	7.0	24.0	7.7
24	18.0	6.4	20.8	7.0	23.9	7.8
25	18.0	6.4	20.8	7.1	23.9	7.9
26	17.8	6.5	20.6	7.2	23.7	7.9
27	17.6	6.5	20.5	7.2	23.6	8.0

* Q:HEATING CAPACITY T/I:TOTAL INPUT
(In case of "indoor fan external static pressure: ESP = 125Pa". If you need "ESP = 50Pa", please subtract "0.1kw" from "T/I value of this table".)

Factor for Various Air Flow

PE-7MYC-EU PEH-7MYA-EU	AIR VOLUME	CMM	50	60	70
		L/S	830	1,000	1,167
COOLING	CAPACITY		0.975	1.0	1.024
	TOTAL INPUT		0.989	1.0	1.009
	SHC		0.964	1.0	1.040

Factor for Various Air Flow

PEH-7MYA-EU	AIR VOLUME	CMM	50	60	70
		L/S	830	1,000	1,167
HEATING	CAPACITY		0.980	1.0	1.011
	TOTAL INPUT		1.028	1.0	0.98

Cooling Capacity (Standard Air Flow)

PE-8MYC-EU , PEH-8MYA-EU (combined with PUH-8MYC2-EU)

INDOOR	INDOOR	OUTDOOR DB°C																					
		20.0				25.0				30.0				35.0				40.0				46.0			
DB°C	WB°C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	21.3	11.6	0.55	6.1	20.6	11.4	0.55	6.4	19.9	11.1	0.56	6.8	19.2	10.9	0.57	7.3	18.3	10.5	0.58	7.8	17.6	10.3	0.58	8.5
	16	22.0	9.0	0.41	6.2	21.3	8.8	0.41	6.5	20.6	8.5	0.41	6.9	19.9	8.2	0.41	7.4	19.1	8.1	0.42	7.9	18.3	7.9	0.43	8.6
	17	22.7	6.6	0.29	6.3	22.0	6.4	0.29	6.6	21.3	6.2	0.29	7.0	20.6	5.9	0.29	7.5	19.8	5.9	0.30	8.1	18.9	5.7	0.30	8.7
22	15	21.3	16.2	0.76	6.1	20.6	15.9	0.77	6.4	19.9	15.7	0.79	6.8	19.2	15.5	0.81	7.3	18.3	14.9	0.82	7.8	17.6	14.5	0.82	8.5
	16	22.0	13.8	0.63	6.2	21.3	13.6	0.64	6.5	20.6	13.3	0.65	6.9	19.9	13.1	0.66	7.4	19.1	12.7	0.67	7.9	18.3	12.4	0.68	8.6
	17	22.7	11.1	0.49	6.3	22.0	10.9	0.50	6.6	21.3	10.7	0.50	7.0	20.6	10.4	0.50	7.5	19.8	10.2	0.52	8.1	18.9	9.9	0.53	8.7
	18	23.5	8.7	0.37	6.4	22.8	8.5	0.37	6.7	22.1	8.4	0.38	7.2	21.3	8.1	0.38	7.6	20.6	8.0	0.39	8.2	19.5	7.7	0.40	8.8
	19	24.4	6.2	0.26	6.5	23.6	6.0	0.26	6.9	22.9	5.9	0.26	7.3	22.0	5.7	0.26	7.8	21.3	5.6	0.26	8.3	20.2	5.4	0.27	8.9
24	16	22.0	18.1	0.82	6.2	21.3	17.7	0.83	6.5	20.6	17.4	0.84	6.9	19.9	17.1	0.86	7.4	19.1	16.8	0.88	7.9	18.3	16.4	0.90	8.6
	17	22.7	15.1	0.67	6.3	22.0	14.8	0.67	6.6	21.3	14.5	0.68	7.0	20.6	14.3	0.69	7.5	19.8	14.0	0.71	8.1	18.9	13.7	0.72	8.7
	18	23.5	12.9	0.55	6.4	22.8	12.6	0.55	6.7	22.1	12.3	0.56	7.2	21.3	12.0	0.56	7.6	20.6	11.9	0.58	8.2	19.5	11.5	0.59	8.8
	19	24.4	10.7	0.44	6.5	23.6	10.4	0.44	6.9	22.9	10.2	0.44	7.3	22.0	9.9	0.45	7.8	21.3	9.7	0.46	8.3	20.2	9.4	0.46	8.9
	20	25.2	8.1	0.32	6.7	24.4	7.8	0.32	7.0	23.7	7.6	0.32	7.4	22.8	7.4	0.32	7.9	22.0	7.2	0.33	8.5	20.9	7.0	0.33	9.1
	21	26.1	6.1	0.23	6.8	25.3	5.9	0.23	7.1	24.5	5.7	0.23	7.5	23.7	5.6	0.24	8.0	22.8	5.4	0.24	8.6	21.7	5.2	0.24	9.2
26	18	23.5	17.4	0.74	6.4	22.8	17.0	0.75	6.7	22.1	16.7	0.76	7.2	21.3	16.4	0.77	7.6	20.6	16.2	0.78	8.2	19.5	15.6	0.80	8.8
	19	24.4	14.7	0.60	6.5	23.6	14.3	0.61	6.9	22.9	14.1	0.62	7.3	22.0	13.8	0.63	7.8	21.3	13.6	0.64	8.3	20.2	13.2	0.65	8.9
	20	25.2	12.3	0.49	6.7	24.4	12.1	0.50	7.0	23.7	12.0	0.50	7.4	22.8	11.7	0.51	7.9	22.0	11.5	0.52	8.5	20.9	11.1	0.53	9.1
	21	26.1	10.4	0.40	6.8	25.3	10.2	0.40	7.1	24.5	10.0	0.41	7.5	23.7	9.7	0.41	8.0	22.8	9.5	0.42	8.6	21.7	9.3	0.43	9.2
	22	27.0	8.0	0.30	6.9	26.2	7.9	0.30	7.2	25.4	7.7	0.30	7.6	24.4	7.4	0.30	8.1	23.6	7.3	0.31	8.7	22.4	7.0	0.31	9.3
	23	27.9	6.0	0.22	7.0	27.1	5.9	0.22	7.4	26.3	5.7	0.22	7.8	25.3	5.5	0.22	8.3	24.3	5.3	0.22	8.8	23.1	5.1	0.22	9.5
28	19	24.4	19.2	0.79	6.5	23.6	18.7	0.79	6.9	22.9	18.4	0.80	7.3	22.0	17.8	0.81	7.8	21.3	17.9	0.84	8.3	20.2	17.6	0.87	8.9
	20	25.2	16.6	0.66	6.7	24.4	16.2	0.66	7.0	23.7	15.9	0.67	7.4	22.8	15.5	0.68	7.9	22.0	15.5	0.70	8.5	20.9	15.2	0.73	9.1
	21	26.1	14.4	0.55	6.8	25.3	14.1	0.56	7.1	24.5	13.9	0.57	7.5	23.7	13.5	0.57	8.0	22.8	13.5	0.59	8.6	21.7	13.3	0.61	9.2
	22	27.0	11.9	0.44	6.9	26.2	11.6	0.44	7.2	25.4	11.4	0.45	7.6	24.4	11.1	0.46	8.1	23.6	11.1	0.47	8.7	22.4	10.8	0.48	9.3
	23	27.9	10.0	0.36	7.0	27.1	9.8	0.36	7.4	26.3	9.6	0.36	7.8	25.3	9.3	0.37	8.3	24.3	9.1	0.37	8.8	23.1	8.8	0.38	9.5
	24	28.8	7.9	0.27	7.2	28.0	7.7	0.27	7.5	27.1	7.5	0.28	7.9	26.0	7.2	0.28	8.4	25.2	7.0	0.28	8.9	23.9	6.7	0.28	9.6
30	20	25.2	21.0	0.83	6.7	24.4	20.7	0.85	7.0	23.7	20.4	0.86	7.4	22.8	19.9	0.87	7.9	22.0	19.6	0.89	8.5	20.9	18.8	0.90	9.1
	21	26.1	18.5	0.71	6.8	25.3	18.2	0.72	7.1	24.5	17.9	0.73	7.5	23.7	17.7	0.75	8.0	22.8	17.3	0.76	8.6	21.7	16.9	0.78	9.2
	22	27.0	16.1	0.60	6.9	26.2	15.8	0.60	7.2	25.4	15.6	0.62	7.6	24.4	15.4	0.63	8.1	23.6	15.2	0.64	8.7	22.4	14.8	0.66	9.3
	23	27.9	13.8	0.49	7.0	27.1	13.5	0.50	7.4	26.3	13.5	0.51	7.8	25.3	13.3	0.53	8.3	24.3	13.1	0.54	8.8	23.1	12.8	0.56	9.5
	24	28.8	11.9	0.41	7.2	28.0	11.8	0.42	7.5	27.1	11.9	0.44	7.9	26.0	11.7	0.45	8.4	25.2	11.7	0.46	8.9	23.9	11.5	0.48	9.6

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 62/125Pa”.)

Factor for Various Air Flow

PE-8MYC-EU PEH-8MYA-EU	AIR VOLUME	CMM	60	70	80
		L/S	1,000	1,167	1,330
COOLING	CAPACITY		0.976	1.0	1.025
	TOTAL INPUT		0.991	1.0	1.009
	SHC		0.963	1.0	1.044

Cooling Capacity (Standard Air Flow)

(Use for low ambient cooling parts)

PE-8MYC-EU , PEH-8MYA-EU (combined with PUH-8MYC2-EU)

INDOOR		OUTDOOR DB°C																			
		-5.0				0.0				5.0				10.0				15.0			
DB°C	WB°C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	22.0	12.1	0.55	5.8	22.0	12.0	0.55	5.8	21.9	12.0	0.55	5.9	21.8	11.9	0.54	6.0	21.6	11.7	0.54	6.3
	16	22.9	9.4	0.41	5.9	22.9	9.3	0.41	5.9	22.8	9.3	0.41	6.0	22.7	9.2	0.40	6.2	22.4	9.1	0.40	6.4
	17	23.8	6.9	0.29	6.0	23.8	6.9	0.29	6.0	23.7	6.8	0.29	6.1	23.5	6.8	0.29	6.3	23.3	6.7	0.29	6.5
22	15	22.0	17.0	0.77	5.8	22.0	16.9	0.77	5.8	21.9	16.8	0.77	5.9	21.8	16.6	0.76	6.0	21.6	16.4	0.76	6.3
	16	22.9	14.1	0.62	5.9	22.9	14.1	0.61	5.9	22.8	14.0	0.62	6.0	22.7	13.9	0.61	6.2	22.4	13.8	0.62	6.4
	17	23.8	11.4	0.48	6.0	23.8	11.3	0.48	6.0	23.7	11.3	0.48	6.1	23.5	11.2	0.48	6.3	23.3	11.1	0.48	6.5
	18	24.7	8.9	0.36	6.1	24.6	8.9	0.36	6.0	24.5	8.9	0.36	6.2	24.4	8.8	0.36	6.4	24.1	8.7	0.36	6.6
	19	25.6	6.6	0.26	6.2	25.5	6.6	0.26	6.3	25.4	6.5	0.26	6.3	25.2	6.4	0.25	6.6	25.0	6.3	0.25	7.0
24	16	22.9	18.8	0.82	5.9	22.9	18.7	0.82	5.9	22.8	18.6	0.82	6.0	22.7	18.5	0.81	6.2	22.4	18.3	0.81	6.4
	17	23.8	15.8	0.66	6.0	23.8	15.7	0.66	6.0	23.7	15.6	0.66	6.1	23.5	15.5	0.66	6.3	23.3	15.3	0.66	6.5
	18	24.7	13.5	0.55	6.1	24.6	13.4	0.55	6.0	24.5	13.4	0.54	6.2	24.4	13.2	0.54	6.4	24.1	13.0	0.54	6.6
	19	25.6	11.2	0.44	6.2	25.5	11.2	0.44	6.3	25.4	11.1	0.44	6.3	25.2	10.9	0.43	6.6	25.0	10.8	0.43	7.0
	20	26.5	8.6	0.33	6.3	26.4	8.6	0.32	6.4	26.3	8.5	0.32	6.5	26.1	8.3	0.32	6.7	25.8	8.2	0.32	7.0
	21	27.4	6.5	0.24	6.4	27.3	6.4	0.24	6.5	27.2	6.4	0.23	6.6	27.0	6.3	0.23	6.8	26.7	6.2	0.23	7.1
26	18	24.7	18.1	0.73	6.1	24.6	18.0	0.73	6.0	24.5	17.9	0.73	6.2	24.4	17.7	0.73	6.4	24.1	17.6	0.73	6.6
	19	25.6	15.5	0.61	6.2	25.5	15.4	0.60	6.3	25.4	15.3	0.60	6.3	25.2	15.1	0.60	6.6	25.0	14.9	0.60	7.0
	20	26.5	12.8	0.48	6.3	26.4	12.7	0.48	6.4	26.3	12.7	0.48	6.5	26.1	12.6	0.48	6.7	25.8	12.5	0.48	7.0
	21	27.4	10.8	0.39	6.4	27.3	10.7	0.39	6.5	27.2	10.7	0.39	6.6	27.0	10.6	0.39	6.8	26.7	10.5	0.39	7.1
	22	28.3	8.2	0.29	6.5	28.2	8.2	0.29	6.6	28.1	8.1	0.29	6.7	27.8	8.1	0.29	6.9	27.7	8.0	0.29	7.2
	23	29.2	6.3	0.22	6.7	29.0	6.3	0.22	6.7	28.9	6.3	0.22	6.8	28.7	6.2	0.22	7.0	28.6	6.1	0.21	7.3
28	19	25.6	20.1	0.79	6.2	25.5	20.0	0.78	6.3	25.4	19.9	0.78	6.3	25.2	19.6	0.78	6.6	25.0	19.4	0.78	7.0
	20	26.5	17.3	0.65	6.3	26.4	17.2	0.65	6.4	26.3	17.1	0.65	6.5	26.1	16.9	0.65	6.7	25.8	16.7	0.65	7.0
	21	27.4	15.1	0.55	6.4	27.3	15.0	0.55	6.5	27.2	14.9	0.55	6.6	27.0	14.8	0.55	6.8	26.7	14.6	0.55	7.1
	22	28.3	12.5	0.44	6.5	28.2	12.4	0.44	6.6	28.1	12.4	0.44	6.7	27.8	12.2	0.44	6.9	27.7	12.1	0.44	7.2
	23	29.2	10.4	0.35	6.7	29.0	10.3	0.36	6.7	28.9	10.3	0.35	6.8	28.7	10.2	0.35	7.0	28.6	10.1	0.35	7.3
	24	31.0	8.2	0.26	6.8	30.8	8.2	0.27	6.9	30.5	8.1	0.27	7.0	30.1	8.0	0.27	7.2	29.5	7.9	0.27	7.5
30	20	26.5	21.6	0.81	6.3	26.4	21.5	0.81	6.4	26.3	21.4	0.81	6.5	26.1	21.3	0.81	6.7	25.8	21.1	0.82	7.0
	21	27.4	19.3	0.70	6.4	27.3	19.2	0.70	6.5	27.2	19.1	0.70	6.6	27.0	18.9	0.70	6.8	26.7	18.7	0.70	7.1
	22	28.3	16.8	0.59	6.5	28.2	16.7	0.59	6.6	28.1	16.7	0.59	6.7	27.8	16.5	0.59	6.9	27.7	16.3	0.59	7.2
	23	29.2	14.2	0.49	6.7	29.0	14.2	0.49	6.7	28.9	14.1	0.49	6.8	28.7	14.0	0.49	7.0	28.6	13.9	0.49	7.3
	24	31.0	12.2	0.39	6.8	30.8	12.2	0.40	6.9	30.5	12.2	0.40	7.0	30.1	12.1	0.40	7.2	29.5	12.0	0.41	7.5

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of "indoor fan external static pressure: ESP = 62/125Pa".)

Heating Capacity (Standard Air Flow)

PEH-8MYA-EU

(combined with PUH-8MYC2-EU)

INDOOR	OUTDOOR WB°C					
	-10.0		-5.0		0.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	14.7	4.8	16.7	5.2	19.1	5.6
16	14.6	4.8	16.7	5.2	19	5.6
17	14.5	4.9	16.6	5.2	19	5.7
18	14.4	4.9	16.5	5.3	18.9	5.7
19	14.2	5.0	16.4	5.3	18.8	5.7
20	14.2	5.0	16.4	5.3	18.8	5.8
21	14.2	5.0	16.3	5.4	18.7	5.8
22	14.1	5.0	16.3	5.4	18.7	5.9
23	14	5.0	16.2	5.4	18.6	5.9
24	14	5.0	16.1	5.5	18.5	6.0
25	14	5.0	16.2	5.5	18.6	6.0
26	13.8	5.0	16	5.5	18.3	6.0
27	13.8	5.1	15.9	5.5	18.2	6.1

INDOOR	OUTDOOR WB°C					
	5.0		10.0		15.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	21.7	6.1	24.6	6.6	27.8	7.2
16	21.7	6.1	24.6	7.0	27.7	7.3
17	21.6	6.2	24.5	6.8	27.6	7.4
18	21.6	6.2	24.4	6.8	27.6	7.5
19	21.4	6.3	24.3	6.9	27.4	7.6
20	21.4	6.3	24.3	6.9	27.4	7.7
21	21.4	6.4	24.2	7.0	27.3	7.8
22	21.3	6.4	24.2	7.1	27.3	7.8
23	21.2	6.5	24.1	7.2	27.2	7.9
24	21.2	6.6	24	7.2	27.1	8.0
25	21.2	6.6	24	7.3	27.1	8.1
26	21	6.7	23.8	7.4	26.9	8.1
27	20.8	6.7	23.7	7.4	26.8	8.2

* Q:HEATING CAPACITY T/I:TOTAL INPUT (In case of "indoor fan external static pressure: ESP = 62/125Pa".)

Factor for Various Air Flow

PE-8MYC-EU PEH-8MYA-EU	AIR VOLUME	CMM	60	70	80
		L/S	1,000	1,167	1,330
COOLING	CAPACITY		0.976	1.0	1.025
	TOTAL INPUT		0.991	1.0	1.009
	SHC		0.963	1.0	1.044

Factor for Various Air Flow

PEH-8MYA-EU	AIR VOLUME	CMM	60	70	80
		L/S	1,000	1,167	1,330
HEATING	CAPACITY		0.989	1.0	1.011
	TOTAL INPUT		1.010	1.0	0.987

Cooling Capacity (Standard Air Flow)

PE-8MYC-EU , PEH-8MYA-EU (combined with PUH-8MYE1-EU)

INDOOR	INDOOR	OUTDOOR DB°C																					
		20.0				25.0				30.0				35.0				40.0				46.0			
DB°C	WB°C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	21.3	11.6	0.55	6.1	20.6	11.4	0.55	6.4	19.9	11.1	0.56	6.8	19.2	10.9	0.57	7.3	18.3	10.5	0.58	7.8	17.6	10.3	0.58	8.5
	16	22.0	9.0	0.41	6.2	21.3	8.8	0.41	6.5	20.6	8.5	0.41	6.9	19.9	8.2	0.41	7.4	19.1	8.1	0.42	7.9	18.3	7.9	0.43	8.6
	17	22.7	6.6	0.29	6.3	22.0	6.4	0.29	6.6	21.3	6.2	0.29	7.0	20.6	5.9	0.29	7.5	19.8	5.9	0.30	8.1	18.9	5.7	0.30	8.7
22	15	21.3	16.2	0.76	6.1	20.6	15.9	0.77	6.4	19.9	15.7	0.79	6.8	19.2	15.5	0.81	7.3	18.3	14.9	0.82	7.8	17.6	14.5	0.82	8.5
	16	22.0	13.8	0.63	6.2	21.3	13.6	0.64	6.5	20.6	13.3	0.65	6.9	19.9	13.1	0.66	7.4	19.1	12.7	0.67	7.9	18.3	12.4	0.68	8.6
	17	22.7	11.1	0.49	6.3	22.0	10.9	0.50	6.6	21.3	10.7	0.50	7.0	20.6	10.4	0.50	7.5	19.8	10.2	0.52	8.1	18.9	9.9	0.53	8.7
	18	23.5	8.7	0.37	6.4	22.8	8.5	0.37	6.7	22.1	8.4	0.38	7.2	21.3	8.1	0.38	7.6	20.6	8.0	0.39	8.2	19.5	7.7	0.40	8.8
	19	24.4	6.2	0.26	6.5	23.6	6.0	0.26	6.9	22.9	5.9	0.26	7.3	22.0	5.7	0.26	7.8	21.3	5.6	0.26	8.3	20.2	5.4	0.27	8.9
24	16	22.0	18.1	0.82	6.2	21.3	17.7	0.83	6.5	20.6	17.4	0.84	6.9	19.9	17.1	0.86	7.4	19.1	16.8	0.88	7.9	18.3	16.4	0.90	8.6
	17	22.7	15.1	0.67	6.3	22.0	14.8	0.67	6.6	21.3	14.5	0.68	7.0	20.6	14.3	0.69	7.5	19.8	14.0	0.71	8.1	18.9	13.7	0.72	8.7
	18	23.5	12.9	0.55	6.4	22.8	12.6	0.55	6.7	22.1	12.3	0.56	7.2	21.3	12.0	0.56	7.6	20.6	11.9	0.58	8.2	19.5	11.5	0.59	8.8
	19	24.4	10.7	0.44	6.5	23.6	10.4	0.44	6.9	22.9	10.2	0.44	7.3	22.0	9.9	0.45	7.8	21.3	9.7	0.46	8.3	20.2	9.4	0.46	8.9
	20	25.2	8.1	0.32	6.7	24.4	7.8	0.32	7.0	23.7	7.6	0.32	7.4	22.8	7.4	0.32	7.9	22.0	7.2	0.33	8.5	20.9	7.0	0.33	9.1
	21	26.1	6.1	0.23	6.8	25.3	5.9	0.23	7.1	24.5	5.7	0.23	7.5	23.7	5.6	0.24	8.0	22.8	5.4	0.24	8.6	21.7	5.2	0.24	9.2
26	18	23.5	17.4	0.74	6.4	22.8	17.0	0.75	6.7	22.1	16.7	0.76	7.2	21.3	16.4	0.77	7.6	20.6	16.2	0.78	8.2	19.5	15.6	0.80	8.8
	19	24.4	14.7	0.60	6.5	23.6	14.3	0.61	6.9	22.9	14.1	0.62	7.3	22.0	13.8	0.63	7.8	21.3	13.6	0.64	8.3	20.2	13.2	0.65	8.9
	20	25.2	12.3	0.49	6.7	24.4	12.1	0.50	7.0	23.7	12.0	0.50	7.4	22.8	11.7	0.51	7.9	22.0	11.5	0.52	8.5	20.9	11.1	0.53	9.1
	21	26.1	10.4	0.40	6.8	25.3	10.2	0.40	7.1	24.5	10.0	0.41	7.5	23.7	9.7	0.41	8.0	22.8	9.5	0.42	8.6	21.7	9.3	0.43	9.2
	22	27.0	8.0	0.30	6.9	26.2	7.9	0.30	7.2	25.4	7.7	0.30	7.6	24.4	7.4	0.30	8.1	23.6	7.3	0.31	8.7	22.4	7.0	0.31	9.3
	23	27.9	6.0	0.22	7.0	27.1	5.9	0.22	7.4	26.3	5.7	0.22	7.8	25.3	5.5	0.22	8.3	24.3	5.3	0.22	8.8	23.1	5.1	0.22	9.5
28	19	24.4	19.2	0.79	6.5	23.6	18.7	0.79	6.9	22.9	18.4	0.80	7.3	22.0	17.8	0.81	7.8	21.3	17.9	0.84	8.3	20.2	17.6	0.87	8.9
	20	25.2	16.6	0.66	6.7	24.4	16.2	0.66	7.0	23.7	15.9	0.67	7.4	22.8	15.5	0.68	7.9	22.0	15.5	0.70	8.5	20.9	15.2	0.73	9.1
	21	26.1	14.4	0.55	6.8	25.3	14.1	0.56	7.1	24.5	13.9	0.57	7.5	23.7	13.5	0.57	8.0	22.8	13.5	0.59	8.6	21.7	13.3	0.61	9.2
	22	27.0	11.9	0.44	6.9	26.2	11.6	0.44	7.2	25.4	11.4	0.45	7.6	24.4	11.1	0.46	8.1	23.6	11.1	0.47	8.7	22.4	10.8	0.48	9.3
	23	27.9	10.0	0.36	7.0	27.1	9.8	0.36	7.4	26.3	9.6	0.36	7.8	25.3	9.3	0.37	8.3	24.3	9.1	0.37	8.8	23.1	8.8	0.38	9.5
	24	28.8	7.9	0.27	7.2	28.0	7.7	0.27	7.5	27.1	7.5	0.28	7.9	26.0	7.2	0.28	8.4	25.2	7.0	0.28	8.9	23.9	6.7	0.28	9.6
30	20	25.2	21.0	0.83	6.7	24.4	20.7	0.85	7.0	23.7	20.4	0.86	7.4	22.8	19.9	0.87	7.9	22.0	19.6	0.89	8.5	20.9	18.8	0.90	9.1
	21	26.1	18.5	0.71	6.8	25.3	18.2	0.72	7.1	24.5	17.9	0.73	7.5	23.7	17.7	0.75	8.0	22.8	17.3	0.76	8.6	21.7	16.9	0.78	9.2
	22	27.0	16.1	0.60	6.9	26.2	15.8	0.60	7.2	25.4	15.6	0.62	7.6	24.4	15.4	0.63	8.1	23.6	15.2	0.64	8.7	22.4	14.8	0.66	9.3
	23	27.9	13.8	0.49	7.0	27.1	13.5	0.50	7.4	26.3	13.5	0.51	7.8	25.3	13.3	0.53	8.3	24.3	13.1	0.54	8.8	23.1	12.8	0.56	9.5
	24	28.8	11.9	0.41	7.2	28.0	11.8	0.42	7.5	27.1	11.9	0.44	7.9	26.0	11.7	0.45	8.4	25.2	11.7	0.46	8.9	23.9	11.5	0.48	9.6

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 62/125Pa”.)

Factor for Various Air Flow

PE-8MYC-EU PEH-8MYA-EU	AIR VOLUME	CMM	60	70	80
		L/S	1,000	1,167	1,330
COOLING	CAPACITY		0.976	1.0	1.025
	TOTAL INPUT		0.991	1.0	1.009
	SHC		0.963	1.0	1.044

Cooling Capacity (Standard Air Flow)

(Use for low ambient cooling parts)

PE-8MYC-EU , PEH-8MYA-EU (combined with PUH-8ME1-EU)

INDOOR		OUTDOOR DB°C																			
		-5.0				0.0				5.0				10.0				15.0			
DB°C	WB°C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	22.0	12.1	0.55	5.8	22.0	12.0	0.55	5.8	21.9	12.0	0.55	5.9	21.8	11.9	0.54	6.0	21.6	11.7	0.54	6.3
	16	22.9	9.4	0.41	5.9	22.9	9.3	0.41	5.9	22.8	9.3	0.41	6.0	22.7	9.2	0.40	6.2	22.4	9.1	0.40	6.4
	17	23.8	6.9	0.29	6.0	23.8	6.9	0.29	6.0	23.7	6.8	0.29	6.1	23.5	6.8	0.29	6.3	23.3	6.7	0.29	6.5
22	15	22.0	17.0	0.77	5.8	22.0	16.9	0.77	5.8	21.9	16.8	0.77	5.9	21.8	16.6	0.76	6.0	21.6	16.4	0.76	6.3
	16	22.9	14.1	0.62	5.9	22.9	14.1	0.61	5.9	22.8	14.0	0.62	6.0	22.7	13.9	0.61	6.2	22.4	13.8	0.62	6.4
	17	23.8	11.4	0.48	6.0	23.8	11.3	0.48	6.0	23.7	11.3	0.48	6.1	23.5	11.2	0.48	6.3	23.3	11.1	0.48	6.5
	18	24.7	8.9	0.36	6.1	24.6	8.9	0.36	6.0	24.5	8.9	0.36	6.2	24.4	8.8	0.36	6.4	24.1	8.7	0.36	6.6
	19	25.6	6.6	0.26	6.2	25.5	6.6	0.26	6.3	25.4	6.5	0.26	6.3	25.2	6.4	0.25	6.6	25.0	6.3	0.25	7.0
24	16	22.9	18.8	0.82	5.9	22.9	18.7	0.82	5.9	22.8	18.6	0.82	6.0	22.7	18.5	0.81	6.2	22.4	18.3	0.81	6.4
	17	23.8	15.8	0.66	6.0	23.8	15.7	0.66	6.0	23.7	15.6	0.66	6.1	23.5	15.5	0.66	6.3	23.3	15.3	0.66	6.5
	18	24.7	13.5	0.55	6.1	24.6	13.4	0.55	6.0	24.5	13.4	0.54	6.2	24.4	13.2	0.54	6.4	24.1	13.0	0.54	6.6
	19	25.6	11.2	0.44	6.2	25.5	11.2	0.44	6.3	25.4	11.1	0.44	6.3	25.2	10.9	0.43	6.6	25.0	10.8	0.43	7.0
	20	26.5	8.6	0.33	6.3	26.4	8.6	0.32	6.4	26.3	8.5	0.32	6.5	26.1	8.3	0.32	6.7	25.8	8.2	0.32	7.0
	21	27.4	6.5	0.24	6.4	27.3	6.4	0.24	6.5	27.2	6.4	0.23	6.6	27.0	6.3	0.23	6.8	26.7	6.2	0.23	7.1
26	18	24.7	18.1	0.73	6.1	24.6	18.0	0.73	6.0	24.5	17.9	0.73	6.2	24.4	17.7	0.73	6.4	24.1	17.6	0.73	6.6
	19	25.6	15.5	0.61	6.2	25.5	15.4	0.60	6.3	25.4	15.3	0.60	6.3	25.2	15.1	0.60	6.6	25.0	14.9	0.60	7.0
	20	26.5	12.8	0.48	6.3	26.4	12.7	0.48	6.4	26.3	12.7	0.48	6.5	26.1	12.6	0.48	6.7	25.8	12.5	0.48	7.0
	21	27.4	10.8	0.39	6.4	27.3	10.7	0.39	6.5	27.2	10.7	0.39	6.6	27.0	10.6	0.39	6.8	26.7	10.5	0.39	7.1
	22	28.3	8.2	0.29	6.5	28.2	8.2	0.29	6.6	28.1	8.1	0.29	6.7	27.8	8.1	0.29	6.9	27.7	8.0	0.29	7.2
	23	29.2	6.3	0.22	6.7	29.0	6.3	0.22	6.7	28.9	6.3	0.22	6.8	28.7	6.2	0.22	7.0	28.6	6.1	0.21	7.3
28	19	25.6	20.1	0.79	6.2	25.5	20.0	0.78	6.3	25.4	19.9	0.78	6.3	25.2	19.6	0.78	6.6	25.0	19.4	0.78	7.0
	20	26.5	17.3	0.65	6.3	26.4	17.2	0.65	6.4	26.3	17.1	0.65	6.5	26.1	16.9	0.65	6.7	25.8	16.7	0.65	7.0
	21	27.4	15.1	0.55	6.4	27.3	15.0	0.55	6.5	27.2	14.9	0.55	6.6	27.0	14.8	0.55	6.8	26.7	14.6	0.55	7.1
	22	28.3	12.5	0.44	6.5	28.2	12.4	0.44	6.6	28.1	12.4	0.44	6.7	27.8	12.2	0.44	6.9	27.7	12.1	0.44	7.2
	23	29.2	10.4	0.35	6.7	29.0	10.3	0.36	6.7	28.9	10.3	0.35	6.8	28.7	10.2	0.35	7.0	28.6	10.1	0.35	7.3
	24	31.0	8.2	0.26	6.8	30.8	8.2	0.27	6.9	30.5	8.1	0.27	7.0	30.1	8.0	0.27	7.2	29.5	7.9	0.27	7.5
30	20	26.5	21.6	0.81	6.3	26.4	21.5	0.81	6.4	26.3	21.4	0.81	6.5	26.1	21.3	0.81	6.7	25.8	21.1	0.82	7.0
	21	27.4	19.3	0.70	6.4	27.3	19.2	0.70	6.5	27.2	19.1	0.70	6.6	27.0	18.9	0.70	6.8	26.7	18.7	0.70	7.1
	22	28.3	16.8	0.59	6.5	28.2	16.7	0.59	6.6	28.1	16.7	0.59	6.7	27.8	16.5	0.59	6.9	27.7	16.3	0.59	7.2
	23	29.2	14.2	0.49	6.7	29.0	14.2	0.49	6.7	28.9	14.1	0.49	6.8	28.7	14.0	0.49	7.0	28.6	13.9	0.49	7.3
	24	31.0	12.2	0.39	6.8	30.8	12.2	0.40	6.9	30.5	12.2	0.40	7.0	30.1	12.1	0.40	7.2	29.5	12.0	0.41	7.5

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 62/125Pa”.)

Heating Capacity (Standard Air Flow)

PEH-8MYA-EU

(combined with PUH-8MYE1-EU)

INDOOR	OUTDOOR WB°C					
	-10.0		-5.0		0.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	14.7	4.8	16.7	5.2	19.1	5.6
16	14.6	4.8	16.7	5.2	19	5.6
17	14.5	4.9	16.6	5.2	19	5.7
18	14.4	4.9	16.5	5.3	18.9	5.7
19	14.2	5.0	16.4	5.3	18.8	5.7
20	14.2	5.0	16.4	5.3	18.8	5.8
21	14.2	5.0	16.3	5.4	18.7	5.8
22	14.1	5.0	16.3	5.4	18.7	5.9
23	14	5.0	16.2	5.4	18.6	5.9
24	14	5.0	16.1	5.5	18.5	6.0
25	14	5.0	16.2	5.5	18.6	6.0
26	13.8	5.0	16	5.5	18.3	6.0
27	13.8	5.1	15.9	5.5	18.2	6.1

INDOOR	OUTDOOR WB°C					
	5.0		10.0		15.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	21.7	6.1	24.6	6.6	27.8	7.2
16	21.7	6.1	24.6	7.0	27.7	7.3
17	21.6	6.2	24.5	6.8	27.6	7.4
18	21.6	6.2	24.4	6.8	27.6	7.5
19	21.4	6.3	24.3	6.9	27.4	7.6
20	21.4	6.3	24.3	6.9	27.4	7.7
21	21.4	6.4	24.2	7.0	27.3	7.8
22	21.3	6.4	24.2	7.1	27.3	7.8
23	21.2	6.5	24.1	7.2	27.2	7.9
24	21.2	6.6	24	7.2	27.1	8.0
25	21.2	6.6	24	7.3	27.1	8.1
26	21	6.7	23.8	7.4	26.9	8.1
27	20.8	6.7	23.7	7.4	26.8	8.2

* Q:HEATING CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 62/125Pa”.)

Factor for Various Air Flow

PE-8MYC-EU PEH-8MYA-EU	AIR VOLUME	CMM	60	70	80
		L/S	1,000	1,167	1,330
COOLING	CAPACITY		0.976	1.0	1.025
	TOTAL INPUT		0.991	1.0	1.009
	SHC		0.963	1.0	1.044

Factor for Various Air Flow

PEH-8MYA-EU	AIR VOLUME	CMM	60	70	80
		L/S	1,000	1,167	1,330
HEATING	CAPACITY		0.989	1.0	1.011
	TOTAL INPUT		1.010	1.0	0.987

Cooling Capacity (Standard Air Flow)

PE-10MYC-EU , PEH-10MYA-EU (combined with PUH-10MYC2-EU)

INDOOR	INDOOR	OUTDOOR DB°C																					
		20.0				25.0				30.0				35.0				40.0				46.0			
DB°C	WB°C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	27.8	15.1	0.54	8.1	27.0	14.8	0.55	8.5	26.1	14.5	0.55	9.1	25.1	14.0	0.56	9.7	23.9	13.6	0.57	10.5	22.5	13.1	0.58	11.3
	16	28.9	11.9	0.41	8.2	28.1	11.7	0.42	8.6	27.1	11.3	0.42	9.2	26.0	10.9	0.42	9.8	24.7	10.5	0.43	10.6	23.3	10.0	0.43	11.4
	17	30.0	8.7	0.29	8.3	29.1	8.5	0.29	8.7	28.1	8.2	0.29	9.2	26.9	7.9	0.29	9.9	25.6	7.6	0.30	10.7	24.1	7.2	0.30	11.5
22	15	27.8	21.5	0.77	8.1	27.0	21.2	0.78	8.5	26.1	20.8	0.80	9.1	25.1	20.4	0.81	9.7	23.9	19.9	0.83	10.5	22.5	19.2	0.85	11.3
	16	28.9	17.8	0.62	8.2	28.1	17.6	0.63	8.6	27.1	17.2	0.63	9.2	26.0	16.7	0.64	9.8	24.7	16.3	0.66	10.6	23.3	15.7	0.67	11.4
	17	30.0	14.4	0.48	8.3	29.1	14.2	0.49	8.7	28.1	13.8	0.49	9.2	26.9	13.3	0.50	9.9	25.6	13.0	0.51	10.7	24.1	12.5	0.52	11.5
	18	31.1	11.3	0.36	8.3	30.2	11.1	0.37	8.8	29.1	10.8	0.37	9.3	27.9	10.5	0.38	10.0	26.5	10.1	0.38	10.8	24.9	9.7	0.39	11.6
	19	32.1	8.4	0.26	8.4	31.2	8.3	0.27	8.9	30.1	8.1	0.27	9.4	28.8	7.8	0.27	10.1	27.3	7.5	0.27	10.9	25.7	7.1	0.28	11.7
24	16	28.9	23.7	0.82	8.2	28.1	23.3	0.83	8.6	27.1	22.8	0.84	9.2	26.0	22.3	0.86	9.8	24.7	21.8	0.88	10.6	23.3	21.2	0.91	11.4
	17	30.0	19.9	0.66	8.3	29.1	19.5	0.67	8.7	28.1	19.1	0.68	9.2	26.9	18.7	0.69	9.9	25.6	18.2	0.71	10.7	24.1	17.6	0.73	11.5
	18	31.1	16.8	0.54	8.3	30.2	16.4	0.54	8.8	29.1	16.1	0.55	9.3	27.9	15.6	0.56	10.0	26.5	15.3	0.58	10.8	24.9	14.8	0.59	11.6
	19	32.1	14.1	0.44	8.4	31.2	13.8	0.44	8.9	30.1	13.4	0.45	9.4	28.8	13.1	0.45	10.1	27.3	12.6	0.46	10.9	25.7	12.2	0.48	11.7
	20	34.6	10.8	0.31	8.5	33.6	10.5	0.31	9.0	32.4	10.2	0.31	9.5	31.0	9.8	0.32	10.2	29.4	9.5	0.32	11.0	27.6	9.1	0.33	11.8
	21	34.6	8.1	0.23	8.6	33.6	7.8	0.23	9.1	32.4	7.6	0.23	9.6	31.0	7.3	0.24	10.3	29.4	7.0	0.24	11.1	27.6	6.7	0.24	12.0
26	18	31.1	23.0	0.74	8.3	30.2	22.7	0.75	8.8	29.1	22.2	0.76	9.3	27.9	21.7	0.78	10.0	26.5	21.2	0.80	10.8	24.9	20.6	0.83	11.6
	19	32.1	19.7	0.61	8.4	31.2	19.4	0.62	8.9	30.1	19.0	0.63	9.4	28.8	18.5	0.64	10.1	27.3	18.0	0.66	10.9	25.7	17.5	0.68	11.7
	20	34.6	16.2	0.47	8.5	33.6	16.0	0.48	9.0	32.4	15.6	0.48	9.5	31.0	15.0	0.48	10.2	29.4	14.7	0.50	11.0	27.6	14.2	0.52	11.8
	21	34.6	13.7	0.40	8.4	33.6	13.5	0.40	9.1	32.4	13.1	0.41	9.6	31.0	12.6	0.41	10.3	29.4	12.3	0.42	11.1	27.6	11.9	0.43	12.0
	22	35.8	10.4	0.29	8.7	34.7	10.3	0.30	9.2	33.5	10.0	0.30	9.8	32.0	9.6	0.30	10.4	30.4	9.3	0.31	11.2	28.6	9.0	0.31	12.1
	23	36.9	8.0	0.22	8.8	35.9	7.8	0.22	9.3	34.6	7.6	0.22	9.9	33.1	7.4	0.22	10.6	31.4	7.1	0.22	11.4	29.5	6.7	0.23	12.2
28	19	32.1	25.3	0.79	8.4	31.2	24.9	0.80	8.9	30.1	24.6	0.82	9.4	28.8	24.2	0.84	10.1	27.3	23.6	0.86	10.9	25.7	22.8	0.89	11.7
	20	34.6	21.7	0.63	8.5	33.6	21.4	0.64	9.0	32.4	21.1	0.65	9.5	31.0	20.7	0.67	10.2	29.4	20.2	0.69	11.0	27.6	19.5	0.71	11.8
	21	34.6	19.1	0.55	8.6	33.6	18.9	0.56	9.1	32.4	18.6	0.58	9.6	31.0	18.2	0.59	10.3	29.4	17.8	0.61	11.1	27.6	17.1	0.62	12.0
	22	35.8	15.7	0.44	8.7	34.7	15.4	0.44	9.2	33.5	15.3	0.46	9.8	32.0	14.8	0.46	10.4	30.4	14.5	0.48	11.2	28.6	14.0	0.49	12.1
	23	36.9	13.0	0.35	8.8	35.9	12.8	0.36	9.3	34.6	12.6	0.36	9.9	33.1	12.2	0.37	10.6	31.4	11.8	0.38	11.4	29.5	11.3	0.38	12.3
	24	38.0	10.3	0.27	8.9	36.9	10.1	0.27	9.4	35.7	9.9	0.28	10.0	34.2	9.6	0.28	10.7	32.5	9.3	0.29	11.5	30.5	8.8	0.29	12.4
30	20	34.6	27.0	0.78	8.5	33.6	26.5	0.79	9.0	32.4	26.0	0.80	9.5	31.0	25.3	0.82	10.2	29.4	25.1	0.85	11.0	27.6	24.5	0.89	11.8
	21	34.6	24.1	0.70	8.6	33.6	23.6	0.70	9.1	32.4	23.2	0.72	9.6	31.0	22.7	0.73	10.3	29.4	22.3	0.76	11.1	27.6	21.6	0.78	12.0
	22	35.8	20.8	0.58	8.7	34.7	20.3	0.59	9.2	33.5	20.1	0.60	9.8	32.0	19.6	0.61	10.4	30.4	19.1	0.63	11.2	28.6	18.5	0.65	12.1
	23	36.9	17.9	0.49	8.5	35.9	17.6	0.49	9.3	34.6	17.3	0.50	9.9	33.1	16.8	0.51	10.6	31.4	16.4	0.52	11.4	29.5	15.7	0.53	12.3
	24	38.0	15.4	0.40	8.9	36.9	15.1	0.41	9.4	35.7	14.8	0.41	10.0	34.2	14.4	0.42	10.7	32.5	14.0	0.43	11.5	30.5	13.4	0.44	12.4

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 62/125Pa”.)

Factor for Various Air Flow

PE-10MYC-EU PEH-10MYA-EU	AIR VOLUME	CMM	80	90	100
		L/S	1,330	1,550	1,660
COOLING	CAPACITY		0.977	1.0	1.035
	TOTAL INPUT		0.991	1.0	1.005
	SHC		0.968	1.0	1.037

Cooling Capacity (Standard Air Flow)

(Use for low ambient cooling parts)

PE-10MYC-EU , PEH-10MYA-EU (combined with PUH-10MYC2-EU)

INDOOR		OUTDOOR DB°C																			
		-5.0				0.0				5.0				10.0				15.0			
DB°C	WB°C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	29.7	15.8	0.53	7.5	29.6	15.7	0.53	7.8	29.4	15.6	0.53	8.1	29.0	15.5	0.53	8.6	28.5	15.3	0.54	9.2
	16	31.1	12.3	0.39	7.7	31.0	12.2	0.39	8.0	30.8	12.2	0.39	8.3	30.4	12.1	0.40	8.7	29.9	12.0	0.40	9.3
	17	32.5	9.1	0.28	7.8	32.4	9.1	0.28	8.1	32.2	9.0	0.28	8.4	31.8	8.9	0.28	8.8	31.3	8.8	0.28	9.3
22	15	29.7	22.0	0.74	7.5	29.6	22.0	0.74	7.8	29.4	21.9	0.74	8.1	29.0	21.8	0.75	8.6	28.5	21.6	0.76	9.2
	16	31.1	18.4	0.59	7.7	31.0	18.3	0.59	8.0	30.8	18.2	0.59	8.3	30.4	18.1	0.60	8.7	29.9	18.0	0.60	9.3
	17	32.5	14.8	0.46	7.8	32.4	14.8	0.46	8.1	32.2	14.7	0.46	8.4	31.8	14.6	0.46	8.8	31.3	14.5	0.46	9.3
	18	33.9	11.7	0.35	7.9	33.8	11.7	0.34	8.2	33.6	11.6	0.35	8.5	33.2	11.5	0.35	8.9	32.6	11.4	0.35	9.4
	19	35.3	8.8	0.25	7.9	35.2	8.7	0.25	8.2	35.0	8.7	0.25	8.6	34.6	8.6	0.25	9.0	34.0	8.5	0.25	9.6
24	16	31.1	24.4	0.79	7.7	31.0	24.3	0.79	8.0	30.8	24.3	0.79	8.3	30.4	24.1	0.79	8.7	29.9	23.9	0.80	9.3
	17	32.5	20.6	0.63	7.8	32.4	20.5	0.63	8.1	32.2	20.4	0.63	8.4	31.8	20.2	0.64	8.8	31.3	20.0	0.64	9.3
	18	33.9	17.6	0.52	7.9	33.8	17.5	0.52	8.2	33.6	17.4	0.52	8.5	33.2	17.2	0.52	8.9	32.6	17.0	0.52	9.4
	19	35.3	14.7	0.42	7.9	35.2	14.6	0.41	8.2	35.0	14.5	0.41	8.6	34.6	14.4	0.42	9.0	34.0	14.2	0.42	9.6
	20	36.7	11.3	0.31	8.0	36.6	11.3	0.31	8.3	36.4	11.2	0.31	8.6	36.0	11.0	0.31	9.1	35.4	10.9	0.31	9.7
	21	38.1	8.6	0.22	8.1	38.0	8.5	0.22	8.4	37.8	8.4	0.22	8.7	37.4	8.3	0.22	9.1	36.3	8.2	0.23	9.8
26	18	33.9	23.5	0.69	7.9	33.8	23.4	0.69	8.2	33.6	23.4	0.70	8.5	33.2	23.2	0.70	8.9	32.6	23.1	0.71	9.4
	19	35.3	20.2	0.57	7.9	35.2	20.1	0.57	8.2	35.0	20.1	0.57	8.6	34.6	19.9	0.58	9.0	34.0	19.8	0.58	9.6
	20	36.7	16.7	0.45	8.0	36.6	16.6	0.45	8.3	36.4	16.6	0.46	8.6	36.0	16.5	0.46	9.1	35.4	16.4	0.46	9.7
	21	38.1	14.1	0.37	8.1	38.0	14.1	0.37	8.4	37.8	14.0	0.37	8.7	37.4	13.9	0.37	9.1	36.3	13.8	0.38	9.8
	22	39.5	10.8	0.27	8.2	39.4	10.7	0.27	8.5	39.2	10.7	0.27	8.8	38.8	10.6	0.27	9.2	37.2	10.5	0.28	9.9
	23	40.9	8.4	0.20	8.2	40.8	8.3	0.20	8.6	40.6	8.3	0.20	8.9	40.2	8.2	0.20	9.3	38.0	8.1	0.21	10.0
28	19	35.3	26.1	0.74	7.9	35.2	26.0	0.74	8.2	35.0	25.9	0.74	8.6	34.6	25.7	0.74	9.0	34.0	25.5	0.75	9.6
	20	36.7	22.4	0.61	8.0	36.6	22.3	0.61	8.3	36.4	22.2	0.61	8.6	36.0	22.1	0.61	9.1	35.4	21.9	0.62	9.7
	21	38.1	19.6	0.52	8.1	38.0	19.6	0.52	8.4	37.8	19.5	0.52	8.7	37.4	19.4	0.52	9.1	36.3	19.3	0.53	9.8
	22	39.5	16.3	0.41	8.2	39.4	16.2	0.41	8.5	39.2	16.2	0.41	8.8	38.8	16.0	0.41	9.2	37.2	15.9	0.43	9.9
	23	40.9	13.6	0.33	8.2	40.8	13.5	0.33	8.6	40.6	13.4	0.33	8.9	40.2	13.3	0.33	9.3	38.0	13.2	0.35	10.0
	24	40.5	10.8	0.27	8.3	40.4	10.7	0.27	8.6	40.1	10.7	0.27	9.0	39.6	10.6	0.27	9.5	38.9	10.4	0.27	10.0
30	20	36.7	28.0	0.76	8.0	36.6	27.8	0.76	8.3	36.4	27.7	0.76	8.6	36.0	27.5	0.76	9.1	35.4	27.2	0.77	9.7
	21	38.1	25.0	0.66	8.1	38.0	24.9	0.65	8.4	37.8	24.8	0.66	8.7	37.4	24.5	0.66	9.1	36.3	24.3	0.67	9.8
	22	39.5	21.9	0.55	8.2	39.4	21.7	0.55	8.5	39.2	21.6	0.55	8.8	38.8	21.3	0.55	9.2	37.2	21.1	0.57	9.9
	23	40.9	18.5	0.45	8.2	40.8	18.5	0.45	8.6	40.6	18.4	0.45	8.9	40.2	18.2	0.45	9.3	38.0	18.1	0.48	10.0
	24	40.5	16.0	0.39	8.3	40.4	15.9	0.39	8.6	40.1	15.8	0.39	9.0	39.6	15.7	0.40	9.5	38.9	15.5	0.40	10.0

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 62/125Pa”.)

Heating Capacity (Standard Air Flow)

PEH-10MYA-EU

(combined with PUH-10MYC2-EU)

INDOOR	OUTDOOR WB°C					
	-10.0		-5.0		0.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	18.4	5.8	21.4	6.3	24.8	6.9
16	18.3	5.8	205.8	6.3	24.5	6.9
17	18.2	5.8	21.3	6.3	24.6	7.0
18	18.2	5.9	21.2	6.4	24.5	7.0
19	18.1	5.9	21.1	6.4	24.4	7.1
20	18.0	5.9	21.0	6.5	24.3	7.1
21	17.9	5.9	20.9	6.5	24.3	7.2
22	17.8	6.0	20.8	6.5	24.2	7.3
23	17.7	6.0	20.7	6.6	24.1	7.3
24	17.6	6.0	20.6	6.6	24.0	7.4
25	17.5	6.0	20.5	6.7	23.9	7.5
26	17.4	6.1	20.4	6.7	23.7	7.5
27	17.3	6.1	20.3	6.8	23.6	7.6

INDOOR	OUTDOOR WB°C					
	5.0		10.0		15.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	28.6	7.7	32.8	8.6	37.3	9.6
16	28.5	7.6	32.7	8.5	37.2	9.5
17	28.4	7.8	32.6	8.7	37.1	9.7
18	28.3	7.8	32.5	8.8	37.0	9.9
19	28.1	7.9	32.3	8.9	36.9	10.0
20	28.1	8.0	32.2	9.0	36.8	10.1
21	28.0	8.1	32.1	9.1	36.6	10.2
22	27.9	8.1	32.0	9.1	36.4	10.3
23	27.8	8.2	31.8	9.2	36.2	10.3
24	27.7	8.3	31.7	9.3	36.1	10.4
25	27.6	8.4	31.6	9.4	35.9	10.5
26	27.4	8.4	31.4	9.5	35.6	10.7
27	27.2	8.5	31.1	9.6	35.4	10.8

* Q:HEATING CAPACITY T/I:TOTAL INPUT
(In case of “indoor fan external static pressure: ESP = 62/125Pa”.)

Factor for Various Air Flow

PE-10MYC-EU PEH-10MYA-EU	AIR VOLUME	CMM	80	90	100
		L/S	1,330	1,550	1,660
COOLING	CAPACITY		0.977	1.0	1.035
	TOTAL INPUT		0.991	1.0	1.005
	SHC		0.968	1.0	1.037

Factor for Various Air Flow

PEH-10MYA-EU	AIR VOLUME	CMM	80	90	100
		L/S	1,330	1,500	1,660
HEATING	CAPACITY		0.989	1.0	1.008
	TOTAL INPUT		1.025	1.0	0.984

Cooling Capacity (Standard Air Flow)

PE-10MYC-EU , PEH-10MYA-EU (combined with PUH-10MYE1-EU)

INDOOR	INDOOR	OUTDOOR DB°C																					
		20.0				25.0				30.0				35.0				40.0				46.0			
DB°C	WB°C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	27.8	15.1	0.54	8.1	27.0	14.8	0.55	8.5	26.1	14.5	0.55	9.1	25.1	14.0	0.56	9.7	23.9	13.6	0.57	10.5	22.5	13.1	0.58	11.3
	16	28.9	11.9	0.41	8.2	28.1	11.7	0.42	8.6	27.1	11.3	0.42	9.2	26.0	10.9	0.42	9.8	24.7	10.5	0.43	10.6	23.3	10.0	0.43	11.4
	17	30.0	8.7	0.29	8.3	29.1	8.5	0.29	8.7	28.1	8.2	0.29	9.2	26.9	7.9	0.29	9.9	25.6	7.6	0.30	10.7	24.1	7.2	0.30	11.5
22	15	27.8	21.5	0.77	8.1	27.0	21.2	0.78	8.5	26.1	20.8	0.80	9.1	25.1	20.4	0.81	9.7	23.9	19.9	0.83	10.5	22.5	19.2	0.85	11.3
	16	28.9	17.8	0.62	8.2	28.1	17.6	0.63	8.6	27.1	17.2	0.63	9.2	26.0	16.7	0.64	9.8	24.7	16.3	0.66	10.6	23.3	15.7	0.67	11.4
	17	30.0	14.4	0.48	8.3	29.1	14.2	0.49	8.7	28.1	13.8	0.49	9.2	26.9	13.3	0.50	9.9	25.6	13.0	0.51	10.7	24.1	12.5	0.52	11.5
	18	31.1	11.3	0.36	8.3	30.2	11.1	0.37	8.8	29.1	10.8	0.37	9.3	27.9	10.5	0.38	10.0	26.5	10.1	0.38	10.8	24.9	9.7	0.39	11.6
	19	32.1	8.4	0.26	8.4	31.2	8.3	0.27	8.9	30.1	8.1	0.27	9.4	28.8	7.8	0.27	10.1	27.3	7.5	0.27	10.9	25.7	7.1	0.28	11.7
24	16	28.9	23.7	0.82	8.2	28.1	23.3	0.83	8.6	27.1	22.8	0.84	9.2	26.0	22.3	0.86	9.8	24.7	21.8	0.88	10.6	23.3	21.2	0.91	11.4
	17	30.0	19.9	0.66	8.3	29.1	19.5	0.67	8.7	28.1	19.1	0.68	9.2	26.9	18.7	0.69	9.9	25.6	18.2	0.71	10.7	24.1	17.6	0.73	11.5
	18	31.1	16.8	0.54	8.3	30.2	16.4	0.54	8.8	29.1	16.1	0.55	9.3	27.9	15.6	0.56	10.0	26.5	15.3	0.58	10.8	24.9	14.8	0.59	11.6
	19	32.1	14.1	0.44	8.4	31.2	13.8	0.44	8.9	30.1	13.4	0.45	9.4	28.8	13.1	0.45	10.1	27.3	12.6	0.46	10.9	25.7	12.2	0.48	11.7
	20	34.6	10.8	0.31	8.5	33.6	10.5	0.31	9.0	32.4	10.2	0.31	9.5	31.0	9.8	0.32	10.2	29.4	9.5	0.32	11.0	27.6	9.1	0.33	11.8
	21	34.6	8.1	0.23	8.6	33.6	7.8	0.23	9.1	32.4	7.6	0.23	9.6	31.0	7.3	0.24	10.3	29.4	7.0	0.24	11.1	27.6	6.7	0.24	12.0
26	18	31.1	23.0	0.74	8.3	30.2	22.7	0.75	8.8	29.1	22.2	0.76	9.3	27.9	21.7	0.78	10.0	26.5	21.2	0.80	10.8	24.9	20.6	0.83	11.6
	19	32.1	19.7	0.61	8.4	31.2	19.4	0.62	8.9	30.1	19.0	0.63	9.4	28.8	18.5	0.64	10.1	27.3	18.0	0.66	10.9	25.7	17.5	0.68	11.7
	20	34.6	16.2	0.47	8.5	33.6	16.0	0.48	9.0	32.4	15.6	0.48	9.5	31.0	15.0	0.48	10.2	29.4	14.7	0.50	11.0	27.6	14.2	0.52	11.8
	21	34.6	13.7	0.40	8.4	33.6	13.5	0.40	9.1	32.4	13.1	0.41	9.6	31.0	12.6	0.41	10.3	29.4	12.3	0.42	11.1	27.6	11.9	0.43	12.0
	22	35.8	10.4	0.29	8.7	34.7	10.3	0.30	9.2	33.5	10.0	0.30	9.8	32.0	9.6	0.30	10.4	30.4	9.3	0.31	11.2	28.6	9.0	0.31	12.1
	23	36.9	8.0	0.22	8.8	35.9	7.8	0.22	9.3	34.6	7.6	0.22	9.9	33.1	7.4	0.22	10.6	31.4	7.1	0.22	11.4	29.5	6.7	0.23	12.2
28	19	32.1	25.3	0.79	8.4	31.2	24.9	0.80	8.9	30.1	24.6	0.82	9.4	28.8	24.2	0.84	10.1	27.3	23.6	0.86	10.9	25.7	22.8	0.89	11.7
	20	34.6	21.7	0.63	8.5	33.6	21.4	0.64	9.0	32.4	21.1	0.65	9.5	31.0	20.7	0.67	10.2	29.4	20.2	0.69	11.0	27.6	19.5	0.71	11.8
	21	34.6	19.1	0.55	8.6	33.6	18.9	0.56	9.1	32.4	18.6	0.58	9.6	31.0	18.2	0.59	10.3	29.4	17.8	0.61	11.1	27.6	17.1	0.62	12.0
	22	35.8	15.7	0.44	8.7	34.7	15.4	0.44	9.2	33.5	15.3	0.46	9.8	32.0	14.8	0.46	10.4	30.4	14.5	0.48	11.2	28.6	14.0	0.49	12.1
	23	36.9	13.0	0.35	8.8	35.9	12.8	0.36	9.3	34.6	12.6	0.36	9.9	33.1	12.2	0.37	10.6	31.4	11.8	0.38	11.4	29.5	11.3	0.38	12.3
	24	38.0	10.3	0.27	8.9	36.9	10.1	0.27	9.4	35.7	9.9	0.28	10.0	34.2	9.6	0.28	10.7	32.5	9.3	0.29	11.5	30.5	8.8	0.29	12.4
30	20	34.6	27.0	0.78	8.5	33.6	26.5	0.79	9.0	32.4	26.0	0.80	9.5	31.0	25.3	0.82	10.2	29.4	25.1	0.85	11.0	27.6	24.5	0.89	11.8
	21	34.6	24.1	0.70	8.6	33.6	23.6	0.70	9.1	32.4	23.2	0.72	9.6	31.0	22.7	0.73	10.3	29.4	22.3	0.76	11.1	27.6	21.6	0.78	12.0
	22	35.8	20.8	0.58	8.7	34.7	20.3	0.59	9.2	33.5	20.1	0.60	9.8	32.0	19.6	0.61	10.4	30.4	19.1	0.63	11.2	28.6	18.5	0.65	12.1
	23	36.9	17.9	0.49	8.5	35.9	17.6	0.49	9.3	34.6	17.3	0.50	9.9	33.1	16.8	0.51	10.6	31.4	16.4	0.52	11.4	29.5	15.7	0.53	12.3
	24	38.0	15.4	0.40	8.9	36.9	15.1	0.41	9.4	35.7	14.8	0.41	10.0	34.2	14.4	0.42	10.7	32.5	14.0	0.43	11.5	30.5	13.4	0.44	12.4

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 62/125Pa”.)

Factor for Various Air Flow

PE-10MYC-EU PEH-10MYA-EU	AIR VOLUME	CMM	80	90	100
		L/S	1,330	1,550	1,660
COOLING	CAPACITY		0.977	1.0	1.035
	TOTAL INPUT		0.991	1.0	1.005
	SHC		0.968	1.0	1.037

Cooling Capacity (Standard Air Flow)

(Use for low ambient cooling parts)

PE-10MYC-EU , PEH-10MYA-EU (combined with PUH-10MYE1-EU)

INDOOR		OUTDOOR DB°C																			
		-5.0				0.0				5.0				10.0				15.0			
DB°C	WB°C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	29.7	15.8	0.53	7.5	29.6	15.7	0.53	7.8	29.4	15.6	0.53	8.1	29.0	15.5	0.53	8.6	28.5	15.3	0.54	9.2
	16	31.1	12.3	0.39	7.7	31.0	12.2	0.39	8.0	30.8	12.2	0.39	8.3	30.4	12.1	0.40	8.7	29.9	12.0	0.40	9.3
	17	32.5	9.1	0.28	7.8	32.4	9.1	0.28	8.1	32.2	9.0	0.28	8.4	31.8	8.9	0.28	8.8	31.3	8.8	0.28	9.3
22	15	29.7	22.0	0.74	7.5	29.6	22.0	0.74	7.8	29.4	21.9	0.74	8.1	29.0	21.8	0.75	8.6	28.5	21.6	0.76	9.2
	16	31.1	18.4	0.59	7.7	31.0	18.3	0.59	8.0	30.8	18.2	0.59	8.3	30.4	18.1	0.60	8.7	29.9	18.0	0.60	9.3
	17	32.5	14.8	0.46	7.8	32.4	14.8	0.46	8.1	32.2	14.7	0.46	8.4	31.8	14.6	0.46	8.8	31.3	14.5	0.46	9.3
	18	33.9	11.7	0.35	7.9	33.8	11.7	0.34	8.2	33.6	11.6	0.35	8.5	33.2	11.5	0.35	8.9	32.6	11.4	0.35	9.4
	19	35.3	8.8	0.25	7.9	35.2	8.7	0.25	8.2	35.0	8.7	0.25	8.6	34.6	8.6	0.25	9.0	34.0	8.5	0.25	9.6
24	16	31.1	24.4	0.79	7.7	31.0	24.3	0.79	8.0	30.8	24.3	0.79	8.3	30.4	24.1	0.79	8.7	29.9	23.9	0.80	9.3
	17	32.5	20.6	0.63	7.8	32.4	20.5	0.63	8.1	32.2	20.4	0.63	8.4	31.8	20.2	0.64	8.8	31.3	20.0	0.64	9.3
	18	33.9	17.6	0.52	7.9	33.8	17.5	0.52	8.2	33.6	17.4	0.52	8.5	33.2	17.2	0.52	8.9	32.6	17.0	0.52	9.4
	19	35.3	14.7	0.42	7.9	35.2	14.6	0.41	8.2	35.0	14.5	0.41	8.6	34.6	14.4	0.42	9.0	34.0	14.2	0.42	9.6
	20	36.7	11.3	0.31	8.0	36.6	11.3	0.31	8.3	36.4	11.2	0.31	8.6	36.0	11.0	0.31	9.1	35.4	10.9	0.31	9.7
	21	38.1	8.6	0.22	8.1	38.0	8.5	0.22	8.4	37.8	8.4	0.22	8.7	37.4	8.3	0.22	9.1	36.3	8.2	0.23	9.8
26	18	33.9	23.5	0.69	7.9	33.8	23.4	0.69	8.2	33.6	23.4	0.70	8.5	33.2	23.2	0.70	8.9	32.6	23.1	0.71	9.4
	19	35.3	20.2	0.57	7.9	35.2	20.1	0.57	8.2	35.0	20.1	0.57	8.6	34.6	19.9	0.58	9.0	34.0	19.8	0.58	9.6
	20	36.7	16.7	0.45	8.0	36.6	16.6	0.45	8.3	36.4	16.6	0.46	8.6	36.0	16.5	0.46	9.1	35.4	16.4	0.46	9.7
	21	38.1	14.1	0.37	8.1	38.0	14.1	0.37	8.4	37.8	14.0	0.37	8.7	37.4	13.9	0.37	9.1	36.3	13.8	0.38	9.8
	22	39.5	10.8	0.27	8.2	39.4	10.7	0.27	8.5	39.2	10.7	0.27	8.8	38.8	10.6	0.27	9.2	37.2	10.5	0.28	9.9
	23	40.9	8.4	0.20	8.2	40.8	8.3	0.20	8.6	40.6	8.3	0.20	8.9	40.2	8.2	0.20	9.3	38.0	8.1	0.21	10.0
28	19	35.3	26.1	0.74	7.9	35.2	26.0	0.74	8.2	35.0	25.9	0.74	8.6	34.6	25.7	0.74	9.0	34.0	25.5	0.75	9.6
	20	36.7	22.4	0.61	8.0	36.6	22.3	0.61	8.3	36.4	22.2	0.61	8.6	36.0	22.1	0.61	9.1	35.4	21.9	0.62	9.7
	21	38.1	19.6	0.52	8.1	38.0	19.6	0.52	8.4	37.8	19.5	0.52	8.7	37.4	19.4	0.52	9.1	36.3	19.3	0.53	9.8
	22	39.5	16.3	0.41	8.2	39.4	16.2	0.41	8.5	39.2	16.2	0.41	8.8	38.8	16.0	0.41	9.2	37.2	15.9	0.43	9.9
	23	40.9	13.6	0.33	8.2	40.8	13.5	0.33	8.6	40.6	13.4	0.33	8.9	40.2	13.3	0.33	9.3	38.0	13.2	0.35	10.0
	24	40.5	10.8	0.27	8.3	40.4	10.7	0.27	8.6	40.1	10.7	0.27	9.0	39.6	10.6	0.27	9.5	38.9	10.4	0.27	10.0
30	20	36.7	28.0	0.76	8.0	36.6	27.8	0.76	8.3	36.4	27.7	0.76	8.6	36.0	27.5	0.76	9.1	35.4	27.2	0.77	9.7
	21	38.1	25.0	0.66	8.1	38.0	24.9	0.65	8.4	37.8	24.8	0.66	8.7	37.4	24.5	0.66	9.1	36.3	24.3	0.67	9.8
	22	39.5	21.9	0.55	8.2	39.4	21.7	0.55	8.5	39.2	21.6	0.55	8.8	38.8	21.3	0.55	9.2	37.2	21.1	0.57	9.9
	23	40.9	18.5	0.45	8.2	40.8	18.5	0.45	8.6	40.6	18.4	0.45	8.9	40.2	18.2	0.45	9.3	38.0	18.1	0.48	10.0
	24	40.5	16.0	0.39	8.3	40.4	15.9	0.39	8.6	40.1	15.8	0.39	9.0	39.6	15.7	0.40	9.5	38.9	15.5	0.40	10.0

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 62/125Pa”.)

Heating Capacity (Standard Air Flow)

PEH-10MYA-EU

(combined with PUH-10MYE1-EU)

INDOOR	OUTDOOR WB°C					
	-10.0		-5.0		0.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	18.4	5.8	21.4	6.3	24.8	6.9
16	18.3	5.8	205.8	6.3	24.5	6.9
17	18.2	5.8	21.3	6.3	24.6	7.0
18	18.2	5.9	21.2	6.4	24.5	7.0
19	18.1	5.9	21.1	6.4	24.4	7.1
20	18.0	5.9	21.0	6.5	24.3	7.1
21	17.9	5.9	20.9	6.5	24.3	7.2
22	17.8	6.0	20.8	6.5	24.2	7.3
23	17.7	6.0	20.7	6.6	24.1	7.3
24	17.6	6.0	20.6	6.6	24.0	7.4
25	17.5	6.0	20.5	6.7	23.9	7.5
26	17.4	6.1	20.4	6.7	23.7	7.5
27	17.3	6.1	20.3	6.8	23.6	7.6

INDOOR	OUTDOOR WB°C					
	5.0		10.0		15.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	28.6	7.7	32.8	8.6	37.3	9.6
16	28.5	7.6	32.7	8.5	37.2	9.5
17	28.4	7.8	32.6	8.7	37.1	9.7
18	28.3	7.8	32.5	8.8	37.0	9.9
19	28.1	7.9	32.3	8.9	36.9	10.0
20	28.1	8.0	32.2	9.0	36.8	10.1
21	28.0	8.1	32.1	9.1	36.6	10.2
22	27.9	8.1	32.0	9.1	36.4	10.3
23	27.8	8.2	31.8	9.2	36.2	10.3
24	27.7	8.3	31.7	9.3	36.1	10.4
25	27.6	8.4	31.6	9.4	35.9	10.5
26	27.4	8.4	31.4	9.5	35.6	10.7
27	27.2	8.5	31.1	9.6	35.4	10.8

* Q:HEATING CAPACITY T/I:TOTAL INPUT
(In case of “indoor fan external static pressure: ESP = 62/125Pa”.)

Factor for Various Air Flow

PE-10MYC-EU PEH-10MYA-EU	AIR VOLUME	CMM	80	90	100
		L/S	1,330	1,550	1,660
COOLING	CAPACITY		0.977	1.0	1.035
	TOTAL INPUT		0.991	1.0	1.005
	SHC		0.968	1.0	1.037

Factor for Various Air Flow

PEH-10MYA-EU	AIR VOLUME	CMM	80	90	100
		L/S	1,330	1,500	1,660
HEATING	CAPACITY		0.989	1.0	1.008
	TOTAL INPUT		1.025	1.0	0.984

Cooling Capacity (Standard Air Flow)

PE-15MYC1-EU

INDOOR	INDOOR	OUTDOOR DB°C																							
		20.0				25.0				30.0				35.0				40.0				46.0			
DB°C	WB °C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	45.5	26.1	0.57	13.8	44.0	25.7	0.58	14.5	42.5	25.1	0.59	15.4	41.0	24.5	0.60	16.5	39.1	23.8	0.61	17.6	37.6	23.1	0.62	19.2
	16	47.0	20.4	0.43	14.0	45.5	20.0	0.44	14.7	44.0	19.4	0.44	15.6	42.5	18.9	0.44	16.7	40.8	18.4	0.45	17.9	39.1	18.0	0.46	19.4
	17	48.5	15.2	0.31	14.2	47.0	14.8	0.32	14.9	45.5	14.2	0.31	15.8	44.0	13.7	0.31	17.0	42.3	13.5	0.32	18.3	40.4	13.2	0.33	19.7
22	15	45.5	35.8	0.79	13.8	44.0	35.0	0.79	14.5	42.5	34.5	0.81	15.4	41.0	34.1	0.83	16.5	39.1	32.9	0.84	17.6	37.6	32.0	0.85	19.2
	16	47.0	30.3	0.65	14.0	45.5	29.9	0.66	14.7	44.0	29.3	0.67	15.6	42.5	28.7	0.68	16.7	40.8	28.1	0.69	17.9	39.1	27.3	0.70	19.4
	17	48.5	25.1	0.52	14.2	47.0	24.9	0.53	14.9	45.5	24.3	0.54	15.8	44.0	23.7	0.54	17.0	42.3	23.2	0.55	18.3	40.4	22.6	0.56	19.7
	18	50.2	19.5	0.39	14.5	48.7	19.2	0.39	15.1	47.2	18.7	0.40	16.3	45.5	18.2	0.40	17.2	44.0	17.9	0.41	18.5	41.7	17.4	0.42	19.9
	19	52.1	14.3	0.27	14.7	50.4	13.8	0.27	15.6	48.9	13.5	0.28	16.5	47.0	13.1	0.28	17.6	45.5	12.9	0.28	18.8	43.2	12.5	0.29	20.1
24	16	47.0	39.7	0.85	14.0	45.5	38.9	0.85	14.7	44.0	38.3	0.87	15.6	42.5	37.5	0.88	16.7	40.8	36.8	0.90	17.9	39.1	36.1	0.92	19.4
	17	48.5	33.5	0.69	14.2	47.0	32.7	0.70	14.9	45.5	32.1	0.71	15.8	44.0	31.6	0.72	17.0	42.3	31.0	0.73	18.3	40.4	30.2	0.75	19.7
	18	50.2	28.8	0.57	14.5	48.7	28.2	0.58	15.1	47.2	27.7	0.59	16.3	45.5	27.1	0.59	17.2	44.0	26.7	0.61	18.5	41.7	25.8	0.62	19.9
	19	52.1	23.7	0.46	14.7	50.4	23.0	0.46	15.6	48.9	22.6	0.46	16.5	47.0	22.0	0.47	17.6	45.5	21.7	0.48	18.8	43.2	21.0	0.49	20.1
	20	53.8	18.4	0.34	15.1	52.1	17.8	0.34	15.8	50.6	17.5	0.35	16.7	48.7	16.9	0.35	17.9	47.0	16.7	0.35	19.2	44.7	16.1	0.36	20.6
	21	55.8	14.0	0.25	15.4	54.1	13.5	0.25	16.0	52.3	13.1	0.25	17.0	50.6	12.7	0.25	18.1	48.7	12.4	0.26	19.4	46.4	12.0	0.26	20.8
26	18	50.2	38.0	0.76	14.5	48.7	37.1	0.76	15.1	47.2	36.7	0.78	16.3	45.5	36.0	0.79	17.2	44.0	35.4	0.80	18.5	41.7	34.1	0.82	19.9
	19	52.1	32.8	0.63	14.7	50.4	32.1	0.64	15.6	48.9	31.6	0.65	16.5	47.0	30.9	0.66	17.6	45.5	30.5	0.67	18.8	43.2	29.5	0.68	20.1
	20	53.8	27.5	0.51	15.1	52.1	27.0	0.52	15.8	50.6	26.6	0.53	16.7	48.7	26.0	0.53	17.9	47.0	25.6	0.55	19.2	44.7	24.9	0.56	20.6
	21	55.8	23.5	0.42	15.4	54.1	23.1	0.43	16.0	52.3	22.6	0.43	17.0	50.6	22.1	0.44	18.1	48.7	21.6	0.44	19.4	46.4	20.9	0.45	20.8
	22	57.7	17.9	0.31	15.6	56.0	17.5	0.31	16.3	54.3	17.2	0.32	17.2	52.1	16.6	0.32	18.3	50.4	16.2	0.32	19.7	47.9	15.5	0.32	21.0
	23	59.6	14.1	0.24	15.8	57.9	13.8	0.24	16.7	56.2	13.5	0.24	17.6	54.1	13.1	0.24	18.8	51.9	12.5	0.24	19.9	49.4	11.9	0.24	21.5
28	19	52.1	42.3	0.81	14.7	50.4	41.3	0.82	15.6	48.9	40.6	0.83	16.5	47.0	39.4	0.84	17.6	45.5	39.5	0.87	18.8	43.2	38.8	0.90	20.1
	20	53.8	36.3	0.67	15.1	52.1	35.4	0.68	15.8	50.6	34.8	0.69	16.7	48.7	34.0	0.70	17.9	47.0	34.0	0.72	19.2	44.7	33.4	0.75	20.6
	21	55.8	31.8	0.57	15.4	54.1	31.0	0.57	16.0	52.3	30.4	0.58	17.0	50.6	29.9	0.59	18.1	48.7	29.7	0.61	19.4	46.4	29.3	0.63	20.8
	22	57.7	26.8	0.46	15.6	56.0	26.2	0.47	16.3	54.3	25.7	0.47	17.2	52.1	25.0	0.48	18.3	50.4	24.8	0.49	19.7	47.9	24.2	0.50	21.0
	23	59.6	22.4	0.38	15.8	57.9	22.0	0.38	16.7	56.2	21.5	0.38	17.6	54.1	20.9	0.39	18.8	51.9	20.4	0.39	19.9	49.4	19.7	0.40	21.5
	24	61.5	18.0	0.29	16.3	59.8	17.7	0.30	17.0	57.9	17.2	0.30	17.9	55.5	16.6	0.30	19.0	53.8	16.2	0.30	20.1	51.1	15.4	0.30	21.7
30	20	53.8	45.7	0.85	15.1	52.1	45.0	0.86	15.8	50.6	44.5	0.88	16.7	48.7	43.5	0.89	17.9	47.0	42.7	0.91	19.2	44.7	41.2	0.92	20.6
	21	55.8	40.8	0.73	15.4	54.1	40.0	0.74	16.0	52.3	39.4	0.75	17.0	50.6	38.8	0.77	18.1	48.7	38.1	0.78	19.4	46.4	37.0	0.80	20.8
	22	57.7	35.4	0.61	15.6	56.0	34.6	0.62	16.3	54.3	34.2	0.63	17.2	52.1	33.5	0.64	18.3	50.4	33.3	0.66	19.7	47.9	32.4	0.68	21.0
	23	59.6	30.6	0.51	15.8	57.9	30.0	0.52	16.7	56.2	29.9	0.53	17.6	54.1	29.5	0.55	18.8	51.9	29.2	0.56	19.9	49.4	28.6	0.58	21.5
	24	61.5	26.8	0.44	16.3	59.8	26.5	0.44	17.0	57.9	26.6	0.46	17.9	55.5	26.3	0.47	19.0	53.8	26.4	0.49	20.1	51.1	25.7	0.50	21.7

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 200Pa”. If you need “ESP = 100Pa”, please subtract “0.2kw” from “T/I value of this table”.)

Factor for Various Air Flow

PE-15MYC1-EU	AIR VOLUME	CMM	120	140	160
		L/S	2,000	2,334	2,660
COOLING	CAPACITY		0.976	1.0	1.025
	TOTAL INPUT		0.991	1.0	1.009
	SHC		0.963	1.0	1.044

Cooling Capacity (Standard Air Flow)

PEH-15MYA-EU

INDOOR	INDOOR	OUTDOOR DB°C																					
		20.0				25.0				30.0				35.0				40.0				46.0			
DB°C	WB°C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	42.6	24.5	0.57	13.2	41.2	24.0	0.58	13.9	39.8	23.5	0.59	14.8	38.4	23.0	0.60	15.8	36.6	22.2	0.61	16.9	35.2	21.7	0.62	18.4
	16	44.0	19.1	0.43	13.5	42.6	18.8	0.44	14.1	41.2	18.2	0.44	15.0	39.8	17.7	0.44	16.1	38.2	17.2	0.45	17.1	36.6	16.8	0.46	18.7
	17	45.4	14.2	0.31	13.7	44.0	13.9	0.32	14.3	42.6	13.3	0.31	15.2	41.2	12.8	0.31	16.3	39.6	12.6	0.32	17.6	37.8	12.3	0.33	18.9
22	15	42.6	33.5	0.79	13.2	41.2	32.7	0.79	13.9	39.8	32.4	0.81	14.8	38.4	32.0	0.83	15.8	36.6	30.8	0.84	16.9	35.2	30.0	0.85	18.4
	16	44.0	28.4	0.65	13.5	42.6	28.0	0.66	14.1	41.2	27.4	0.67	15.0	39.8	26.9	0.68	16.1	38.2	26.3	0.69	17.1	36.6	25.6	0.70	18.7
	17	45.4	23.5	0.52	13.7	44.0	23.4	0.53	14.3	42.6	22.8	0.54	15.2	41.2	22.2	0.54	16.3	39.6	21.7	0.55	17.6	37.8	21.2	0.56	18.9
	18	47.0	18.3	0.39	13.9	45.6	17.9	0.39	14.5	44.2	17.5	0.40	15.6	42.6	17.1	0.40	16.5	41.2	16.8	0.41	17.8	39.0	16.3	0.42	19.1
	19	48.8	13.4	0.27	14.1	47.2	12.9	0.27	15.0	45.8	12.6	0.28	15.8	44.0	12.3	0.28	16.9	42.6	12.1	0.28	18.0	40.4	11.7	0.29	19.3
24	16	44.0	37.2	0.85	13.5	42.6	36.4	0.85	14.1	41.2	35.8	0.87	15.0	39.8	35.1	0.88	16.1	38.2	34.4	0.90	17.1	36.6	33.8	0.92	18.7
	17	45.4	31.3	0.69	13.7	44.0	30.6	0.70	14.3	42.6	30.1	0.71	15.2	41.2	29.6	0.72	16.3	39.6	29.0	0.73	17.6	37.8	28.2	0.75	18.9
	18	47.0	27.0	0.57	13.9	45.6	26.4	0.58	14.5	44.2	25.9	0.59	15.6	42.6	25.3	0.59	16.5	41.2	25.0	0.61	17.8	39.0	24.1	0.62	19.1
	19	48.8	22.2	0.46	14.1	47.2	21.6	0.46	15.0	45.8	21.2	0.46	15.8	44.0	20.6	0.47	16.9	42.6	20.3	0.48	18.0	40.4	19.6	0.49	19.3
	20	50.4	17.2	0.34	14.5	48.8	16.7	0.34	15.2	47.4	16.4	0.35	16.1	45.6	15.9	0.35	17.1	44.0	15.6	0.35	18.4	41.8	15.0	0.36	19.7
	21	52.2	13.1	0.25	14.8	50.6	12.6	0.25	15.4	49.0	12.3	0.25	16.3	47.4	11.9	0.25	17.4	45.6	11.6	0.26	18.7	43.4	11.3	0.26	20.0
26	18	47.0	35.6	0.76	13.9	45.6	34.8	0.76	14.5	44.2	34.4	0.78	15.6	42.6	33.7	0.79	16.5	41.2	33.1	0.80	17.8	39.0	31.9	0.82	19.1
	19	48.8	30.8	0.63	14.1	47.2	30.1	0.64	15.0	45.8	29.6	0.65	15.8	44.0	28.9	0.66	16.9	42.6	28.6	0.67	18.0	40.4	27.6	0.68	19.3
	20	50.4	25.8	0.51	14.5	48.8	25.3	0.52	15.2	47.4	25.0	0.53	16.1	45.6	24.3	0.53	17.1	44.0	24.0	0.55	18.4	41.8	23.3	0.56	19.7
	21	52.2	21.9	0.42	14.8	50.6	21.6	0.43	15.4	49.0	21.1	0.43	16.3	47.4	20.7	0.44	17.4	45.6	20.2	0.44	18.7	43.4	19.6	0.45	20.0
	22	54.0	16.8	0.31	15.0	52.4	16.4	0.31	15.6	50.8	16.1	0.32	16.5	48.8	15.6	0.32	17.6	47.2	15.2	0.32	18.9	44.8	14.5	0.32	20.2
	23	55.8	13.2	0.24	15.2	54.2	12.9	0.24	16.1	52.6	12.6	0.24	16.9	50.6	12.2	0.24	18.0	48.6	11.7	0.24	19.1	46.2	11.1	0.24	20.6
28	19	48.8	39.6	0.81	14.1	47.2	38.7	0.82	15.0	45.8	38.0	0.83	15.8	44.0	36.9	0.84	16.9	42.6	37.0	0.87	18.0	40.4	36.3	0.90	19.3
	20	50.4	34.0	0.67	14.5	48.8	33.2	0.68	15.2	47.4	32.6	0.69	16.1	45.6	31.8	0.70	17.1	44.0	31.8	0.72	18.4	41.8	31.2	0.75	19.7
	21	52.2	29.8	0.57	14.8	50.6	29.0	0.57	15.4	49.0	28.5	0.58	16.3	47.4	28.0	0.59	17.4	45.6	27.9	0.61	18.7	43.4	27.4	0.63	20.0
	22	54.0	25.1	0.46	15.0	52.4	24.5	0.47	15.6	50.8	24.1	0.47	16.5	48.8	23.4	0.48	17.6	47.2	23.2	0.49	18.9	44.8	22.6	0.50	20.2
	23	55.8	21.0	0.38	15.2	54.2	20.6	0.38	16.1	52.6	20.1	0.38	16.9	50.6	19.5	0.39	18.0	48.6	19.1	0.39	19.1	46.2	18.5	0.40	20.6
	24	57.6	16.9	0.29	15.6	56.0	16.6	0.30	16.3	54.2	16.1	0.30	17.1	52.0	15.5	0.30	18.2	50.4	15.1	0.30	19.3	47.8	14.4	0.30	20.8
30	20	50.4	42.8	0.85	14.5	48.8	42.1	0.86	15.2	47.4	41.6	0.88	16.1	45.6	40.8	0.89	17.1	44.0	40.0	0.91	18.4	41.8	38.6	0.92	19.7
	21	52.2	38.1	0.73	14.8	50.6	37.4	0.74	15.4	49.0	36.9	0.75	16.3	47.4	36.3	0.77	17.4	45.6	35.7	0.78	18.7	43.4	34.7	0.80	20.0
	22	54.0	33.2	0.61	15.0	52.4	32.4	0.62	15.6	50.8	32.0	0.63	16.5	48.8	31.4	0.64	17.6	47.2	31.2	0.66	18.9	44.8	30.3	0.68	20.2
	23	55.8	28.6	0.51	15.2	54.2	28.1	0.52	16.1	52.6	28.0	0.53	16.9	50.6	27.6	0.55	18.0	48.6	27.3	0.56	19.1	46.2	26.7	0.58	20.6
	24	57.6	25.1	0.44	15.6	56.0	24.9	0.44	16.3	54.2	24.9	0.46	17.1	52.0	24.6	0.47	18.2	50.4	24.7	0.49	19.3	47.8	24.1	0.50	20.8

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 200Pa”. If you need “ESP = 100Pa”, please subtract “0.8kw” from “T/I value of this table”.)

Factor for Various Air Flow

PEH-15MYA-EU	AIR VOLUME	CMM	120	140	160
		L/S	2,000	2,334	2,660
COOLING	CAPACITY		0.976	1.0	1.025
	TOTAL INPUT		0.991	1.0	1.009
	SHC		0.963	1.0	1.044

Cooling Capacity (Standard Air Flow)

(Use for low ambient cooling parts)

PEH-15MYA-EU

INDOOR		OUTDOOR DB°C																			
		-5.0				0.0				5.0				10.0				15.0			
DB°C	WB°C	Q kW	SHC kW	SHF	T/I kW	Q kW	SHC kW	SHF	T/I kW	Q kW	SHC kW	SHF	T/I kW	Q kW	SHC kW	SHF	T/I kW	Q kW	SHC kW	SHF	T/I kW
20	15	44.0	25.3	0.57	12.2	44.0	25.2	0.57	13.2	43.8	25.1	0.57	14.3	43.6	24.9	0.57	13.9	43.2	24.7	0.57	12.6
	16	45.8	19.8	0.43	12.4	45.8	19.7	0.43	13.5	45.6	19.6	0.43	14.6	45.3	19.5	0.43	14.1	44.9	19.3	0.43	12.8
	17	47.6	14.9	0.31	12.6	47.5	14.8	0.31	13.7	47.3	14.8	0.31	14.8	47.0	14.6	0.31	14.3	46.6	14.4	0.31	13.0
22	15	44.0	35.0	0.80	12.2	44.0	34.8	0.79	13.2	43.8	34.7	0.79	14.3	43.6	34.3	0.79	13.9	43.2	33.9	0.78	12.6
	16	45.8	29.3	0.64	12.4	45.8	29.2	0.64	13.5	45.6	29.1	0.64	14.6	45.3	28.9	0.64	14.1	44.9	28.6	0.64	12.8
	17	47.6	23.8	0.50	12.6	47.5	23.8	0.50	13.7	47.3	23.8	0.50	14.8	47.0	23.7	0.50	14.3	46.6	23.6	0.51	13.0
	18	49.4	19.0	0.38	12.8	49.3	18.9	0.38	13.7	49.1	18.8	0.38	15.1	48.8	18.6	0.38	14.6	48.2	18.4	0.38	13.2
	19	51.2	14.4	0.28	13.1	51.0	14.2	0.28	14.2	50.8	14.1	0.28	15.4	50.5	13.9	0.27	15.1	49.9	13.6	0.27	13.9
24	16	45.8	38.8	0.85	12.4	45.8	38.6	0.84	13.5	45.6	38.4	0.84	14.6	45.3	38.0	0.84	14.1	44.9	37.6	0.84	120.8
	17	47.6	32.7	0.69	12.6	47.5	32.6	0.69	13.7	47.3	32.4	0.68	14.8	47.0	32.0	0.68	14.3	46.6	31.7	0.68	13.0
	18	49.4	28.1	0.57	12.8	49.3	28.0	0.57	13.7	49.1	27.9	0.57	15.1	48.8	27.6	0.57	14.6	48.2	27.3	0.57	13.2
	19	51.2	23.5	0.46	13.1	51.0	23.4	0.46	14.2	50.8	23.2	0.46	15.4	50.5	22.9	0.45	15.1	49.9	22.6	0.45	13.9
	20	53.0	18.4	0.35	13.3	52.8	18.2	0.35	14.5	52.6	18.1	0.34	15.9	52.2	17.8	0.34	15.3	51.6	17.5	0.34	13.9
	21	54.8	14.1	0.26	13.5	54.6	14.0	0.26	14.7	54.4	13.8	0.25	16.1	53.9	13.6	0.25	15.6	53.5	13.3	0.25	14.1
26	18	49.4	37.3	0.76	12.8	49.3	37.1	0.75	13.7	49.1	36.9	0.75	15.1	48.8	36.5	0.75	14.6	48.2	36.0	0.75	13.2
	19	51.2	32.2	0.63	13.1	51.0	32.0	0.63	14.2	50.8	31.8	0.63	15.4	50.5	31.5	0.62	15.1	49.9	31.1	0.62	13.9
	20	53.0	26.7	0.50	13.3	52.8	26.6	0.50	14.5	52.6	26.5	0.50	15.9	52.2	26.2	0.50	15.3	51.6	26.0	0.50	13.9
	21	54.8	22.7	0.41	13.5	54.6	22.6	0.41	14.7	54.4	22.5	0.41	16.1	53.9	22.3	0.41	15.6	53.5	22.1	0.41	14.1
	22	56.6	17.5	0.31	13.7	56.3	17.4	0.31	14.9	56.1	17.3	0.31	16.4	55.6	17.1	0.31	15.8	55.3	17.0	0.31	14.3
	23	58.4	13.8	0.24	14.2	58.1	13.7	0.24	15.2	57.9	13.6	0.24	16.7	57.4	13.5	0.24	16.1	57.2	13.4	0.23	14.5
28	19	51.2	41.4	0.81	13.1	51.0	41.1	0.81	14.2	50.8	40.9	0.80	15.4	50.5	40.5	0.80	15.1	49.9	40.0	0.80	13.9
	20	53.0	35.6	0.67	13.3	52.8	35.4	0.67	14.5	52.6	35.2	0.67	15.9	52.2	34.8	0.67	15.3	51.6	34.4	0.67	13.9
	21	54.8	31.3	0.57	13.5	54.6	31.1	0.57	14.7	54.4	30.9	0.57	16.1	53.9	30.5	0.57	15.6	53.5	30.2	0.56	14.1
	22	56.6	26.1	0.46	13.7	56.3	26.0	0.46	14.9	56.1	25.9	0.46	16.4	55.6	25.6	0.46	15.8	55.3	25.3	0.46	14.3
	23	58.4	21.8	0.37	14.2	58.1	21.7	0.37	15.2	57.9	21.6	0.37	16.7	57.4	21.4	0.37	16.1	57.2	21.2	0.37	14.5
	24	62.6	17.5	0.28	14.4	62.0	17.4	0.28	15.7	61.2	17.4	0.28	16.9	60.2	17.2	0.29	16.6	59.0	17.0	0.29	15.0
30	20	53.0	44.2	0.83	13.3	52.8	44.0	0.83	14.5	52.6	43.9	0.83	15.9	52.2	43.5	0.83	15.3	51.6	43.2	0.84	13.9
	21	54.8	39.6	0.72	13.5	54.6	39.4	0.72	14.7	54.4	39.3	0.72	16.1	53.9	38.9	0.72	15.6	53.5	38.5	0.72	14.1
	22	56.6	34.7	0.61	13.7	56.3	34.5	0.61	14.9	56.1	34.4	0.61	16.4	55.6	34.0	0.61	15.8	55.3	33.6	0.61	14.3
	23	58.4	29.6	0.51	14.2	58.1	29.5	0.51	15.2	57.9	29.3	0.51	16.7	57.4	29.1	0.51	16.1	57.2	28.8	0.50	14.5
	24	62.6	25.6	0.41	14.4	62.0	25.5	0.41	15.7	61.2	25.4	0.42	16.9	60.2	25.3	0.42	16.6	59.0	25.2	0.43	15.0

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of "indoor fan external static pressure: ESP = 200Pa". If you need "ESP = 100Pa", please subtract "0.8kw" from "T/I value of this table".)

Heating Capacity (Standard Air Flow)

PEH-15MYA-EU

INDOOR	OUTDOOR WB°C					
	-10.0		-5.0		0.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	29.5	10.7	33.5	11.6	38.3	12.5
16	29.3	10.7	33.5	11.6	38.1	12.5
17	29.1	10.9	33.3	11.6	38.1	12.7
18	28.9	10.9	33.1	11.8	37.9	12.7
19	28.5	11.2	32.9	11.8	37.7	12.7
20	28.5	11.2	32.9	11.8	37.7	12.9
21	28.5	11.2	32.7	12.0	37.5	12.9
22	28.3	11.2	32.7	12.0	37.5	13.2
23	28.1	11.2	32.5	12.0	37.3	13.2
24	28.1	11.2	32.3	12.3	37.1	13.4
25	28.1	11.2	32.5	12.3	37.3	13.4
26	27.7	11.2	32.1	12.3	36.7	13.4
27	27.7	11.4	31.9	12.3	36.5	13.6

INDOOR	OUTDOOR WB°C					
	5.0		10.0		15.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	43.5	13.6	49.3	14.7	55.7	16.1
16	43.5	13.6	49.3	15.6	55.5	16.3
17	43.3	13.8	49.1	15.2	55.3	16.5
18	43.3	13.8	48.9	15.2	55.3	16.7
19	42.9	14.0	48.7	15.4	54.9	16.9
20	42.9	14.0	48.7	15.4	54.9	17.2
21	42.9	14.3	48.5	15.6	54.7	17.4
22	42.7	14.3	48.5	15.8	54.7	17.4
23	42.5	14.5	48.3	16.1	54.5	17.6
24	42.5	14.7	48.1	16.1	54.3	17.8
25	42.5	14.7	48.1	16.3	54.3	18.1
26	42.1	14.9	47.7	16.5	53.9	18.1
27	41.7	14.9	47.5	16.5	53.7	18.3

* Q:HEATING CAPACITY T/I:TOTAL INPUT (In case of "indoor fan external static pressure: ESP = 200Pa". If you need "ESP = 100Pa", please subtract "0.8kw" from "T/I value of this table".)

Factor for Various Air Flow

PEH-15MYA-EU	AIR VOLUME	CMM	120	140	160
		L/S	2,000	2,334	2,660
COOLING	CAPACITY		0.976	1.0	1.025
	TOTAL INPUT		0.991	1.0	1.009
	SHC		0.963	1.0	1.044

Factor for Various Air Flow

PEH-15MYA-EU	AIR VOLUME	CMM	120	140	160
		L/S	2,000	2,334	2,660
HEATING	CAPACITY		0.989	1.0	1.011
	TOTAL INPUT		1.015	1.0	0.989

Cooling Capacity (Standard Air Flow)

PE-20MYC-EU

INDOOR	INDOOR	OUTDOOR DB°C																					
		20.0				25.0				30.0				35.0				40.0				46.0			
DB°C	WB°C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	55.6	30.8	0.55	17.7	54.0	30.1	0.56	18.5	52.2	29.4	0.56	19.8	50.2	28.4	0.57	21.1	47.8	27.7	0.58	22.9	45.0	26.6	0.59	24.6
	16	57.8	24.1	0.42	17.9	56.2	23.6	0.42	18.7	54.2	22.9	0.42	20.1	52.0	22.1	0.43	21.4	49.4	21.3	0.43	23.1	46.6	20.5	0.44	24.9
	17	60.0	18.0	0.30	18.1	58.2	17.6	0.30	19.0	56.2	17.0	0.30	20.1	53.8	16.3	0.30	21.6	51.2	15.7	0.31	23.3	48.2	14.9	0.31	25.1
22	15	55.6	43.1	0.77	17.7	54.0	42.3	0.78	18.5	52.2	41.7	0.80	19.8	50.2	40.9	0.81	21.1	47.8	39.8	0.83	22.9	45.0	38.4	0.85	24.6
	16	57.8	36.2	0.63	17.9	56.2	35.7	0.63	18.7	54.2	34.9	0.64	20.1	52.0	34.0	0.65	21.4	49.4	33.0	0.67	23.1	46.6	31.8	0.68	24.9
	17	60.0	29.3	0.49	18.1	58.2	28.9	0.50	19.0	56.2	28.1	0.50	20.1	53.8	27.1	0.50	21.6	51.2	26.4	0.52	23.3	48.2	25.4	0.53	25.1
	18	62.2	23.2	0.37	18.1	60.4	22.8	0.38	19.2	58.2	22.1	0.38	20.3	55.8	21.4	0.38	21.8	53.0	20.7	0.39	23.5	49.8	19.8	0.40	25.3
	19	64.2	17.4	0.27	18.3	62.4	17.1	0.27	19.4	60.2	16.6	0.28	20.5	57.6	16.1	0.28	22.0	54.6	15.4	0.28	23.8	51.4	14.6	0.28	25.5
24	16	57.8	47.8	0.83	17.9	56.2	47.1	0.84	18.7	54.2	46.2	0.85	20.1	52.0	45.1	0.87	21.4	49.4	44.0	0.89	23.1	46.6	42.7	0.92	24.9
	17	60.0	39.9	0.67	18.1	58.2	39.0	0.67	19.0	56.2	38.3	0.68	20.1	53.8	37.3	0.69	21.6	51.2	36.5	0.71	23.3	48.2	35.3	0.73	25.1
	18	62.2	34.3	0.55	18.1	60.4	33.6	0.56	19.2	58.2	32.8	0.56	20.3	55.8	31.9	0.57	21.8	53.0	31.2	0.59	23.5	49.8	30.2	0.61	25.3
	19	64.2	28.5	0.44	18.3	62.4	27.9	0.45	19.4	60.2	27.2	0.45	20.5	57.6	26.3	0.46	22.0	54.6	25.6	0.47	23.8	51.4	24.7	0.48	25.5
	20	69.2	21.9	0.32	18.5	67.2	21.2	0.32	19.6	64.8	20.7	0.32	20.7	62.0	20.0	0.32	22.2	58.8	19.3	0.33	24.0	55.2	18.5	0.33	25.7
	21	69.2	16.5	0.24	18.7	67.2	15.9	0.24	19.8	64.8	15.4	0.24	20.9	62.0	14.9	0.24	22.5	58.8	14.3	0.24	24.2	55.2	13.5	0.25	26.2
26	18	62.2	46.0	0.74	18.1	60.4	45.3	0.75	19.2	58.2	44.5	0.76	20.3	55.8	43.5	0.78	21.8	53.0	42.6	0.80	23.5	49.8	41.2	0.83	25.3
	19	64.2	39.8	0.62	18.3	62.4	39.3	0.63	19.4	60.2	38.4	0.64	20.5	57.6	37.4	0.65	22.0	54.6	36.5	0.67	23.8	51.4	35.4	0.69	25.5
	20	69.2	33.0	0.48	18.5	67.2	32.5	0.48	19.6	64.8	31.6	0.49	20.7	62.0	30.5	0.49	22.2	58.8	29.9	0.51	24.0	55.2	28.9	0.52	25.7
	21	69.2	27.9	0.40	18.7	67.2	27.4	0.41	19.8	64.8	26.7	0.41	20.9	62.0	25.8	0.42	22.5	58.8	25.1	0.43	24.2	55.2	24.2	0.44	26.2
	22	71.6	21.2	0.30	19.0	69.4	20.8	0.30	20.1	67.0	20.3	0.30	21.4	64.0	19.6	0.31	22.7	60.8	19.0	0.31	24.4	57.2	18.2	0.32	26.4
	23	73.8	16.6	0.22	19.2	71.8	16.2	0.23	20.3	69.2	15.8	0.23	21.6	66.2	15.3	0.23	23.1	62.8	14.7	0.23	24.9	59.0	14.0	0.24	26.8
28	19	64.2	50.9	0.79	18.3	62.4	50.1	0.80	19.4	60.2	49.6	0.82	20.5	57.6	48.6	0.84	22.0	54.6	47.4	0.87	23.8	51.4	45.9	0.89	25.5
	20	69.2	43.9	0.63	18.5	67.2	43.2	0.64	19.6	64.8	42.7	0.66	20.7	62.0	41.8	0.67	22.2	58.8	40.8	0.69	24.0	55.2	39.4	0.71	25.7
	21	69.2	38.8	0.56	18.7	67.2	38.3	0.57	19.8	64.8	37.7	0.58	20.9	62.0	36.9	0.60	22.5	58.8	36.0	0.61	24.2	55.2	34.8	0.63	26.2
	22	71.6	31.9	0.45	19.0	69.4	31.3	0.45	20.1	67.0	30.9	0.46	21.4	64.0	30.1	0.47	22.7	60.8	29.3	0.48	24.4	57.2	28.3	0.49	26.4
	23	73.8	26.8	0.36	19.2	71.8	26.4	0.37	20.3	69.2	25.9	0.37	21.6	66.2	25.2	0.38	23.1	62.8	24.4	0.39	24.9	59.0	23.3	0.40	26.8
	24	76.0	21.0	0.28	19.4	73.8	20.5	0.28	20.5	71.4	20.1	0.28	21.8	68.4	19.6	0.29	23.3	65.0	18.8	0.29	25.1	61.0	17.9	0.29	27.0
30	20	69.2	54.5	0.79	18.5	67.2	53.5	0.80	19.6	64.8	52.6	0.81	20.7	62.0	51.2	0.83	22.2	58.8	50.7	0.86	24.0	55.2	49.4	0.89	25.7
	21	69.2	48.8	0.71	18.7	67.2	47.9	0.71	19.8	64.8	47.1	0.73	20.9	62.0	46.0	0.74	22.5	58.8	45.2	0.77	24.2	55.2	43.9	0.79	26.2
	22	71.6	42.3	0.59	19.0	69.4	41.4	0.60	20.1	67.0	40.8	0.61	21.4	64.0	39.8	0.62	22.7	60.8	38.9	0.64	24.4	57.2	37.6	0.66	26.4
	23	73.8	36.2	0.49	19.2	71.8	35.4	0.49	20.3	69.2	34.9	0.50	21.6	66.2	34.0	0.51	23.1	62.8	33.0	0.53	24.9	59.0	31.8	0.54	26.8
	24	76.0	31.1	0.41	19.4	73.8	30.4	0.41	20.5	71.4	30.0	0.42	21.8	68.4	29.3	0.43	23.3	65.0	28.3	0.44	25.1	61.0	27.0	0.44	27.0

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 200Pa”. If you need “ESP = 100Pa”, please subtract “0.9kw” from “T/I value of this table”.)

Factor for Various Air Flow

PE-20MYC-EU	AIR VOLUME	CMM	160	180	200
		L/S	2,660	3,000	3,320
COOLING	CAPACITY		0.976	1.0	1.025
	TOTAL INPUT		0.991	1.0	1.009
	SHC		0.963	1.0	1.044

Cooling Capacity (Standard Air Flow)

PEH-20MYA-EU

INDOOR	INDOOR	OUTDOOR DB°C																					
		20.0				25.0				30.0				35.0				40.0				46.0			
DB°C	WB°C	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW	Q kW	SHCkW	SHF	T/I kW
20	15	55.6	30.8	0.55	17.5	54.0	30.1	0.56	18.4	52.2	29.4	0.56	19.7	50.2	28.4	0.57	21.0	47.8	27.7	0.58	22.7	45.0	26.6	0.59	24.4
	16	57.8	24.1	0.42	17.7	56.2	23.6	0.42	18.6	54.2	22.9	0.42	19.9	52.0	22.1	0.43	21.2	49.4	21.3	0.43	22.9	46.6	20.5	0.44	24.6
	17	60.0	18.0	0.30	17.9	58.2	17.6	0.30	18.8	56.2	17.0	0.30	19.9	53.8	16.3	0.30	21.4	51.2	15.7	0.31	23.1	48.2	14.9	0.31	24.8
22	15	55.6	43.1	0.77	17.5	54.0	42.3	0.78	18.4	52.2	41.7	0.80	19.7	50.2	40.9	0.81	21.0	47.8	39.8	0.83	22.7	45.0	38.4	0.85	24.4
	16	57.8	36.2	0.63	17.7	56.2	35.7	0.63	18.6	54.2	34.9	0.64	19.9	52.0	34.0	0.65	21.2	49.4	33.0	0.67	22.9	46.6	31.8	0.68	24.6
	17	60.0	29.3	0.49	17.9	58.2	28.9	0.50	18.8	56.2	28.1	0.50	19.9	53.8	27.1	0.50	21.4	51.2	26.4	0.52	23.1	48.2	25.4	0.53	24.8
	18	62.2	23.2	0.37	17.9	60.4	22.8	0.38	19.0	58.2	22.1	0.38	20.1	55.8	21.4	0.38	21.6	53.0	20.7	0.39	23.3	49.8	19.8	0.40	25.1
	19	64.2	17.4	0.27	18.1	62.4	17.1	0.27	19.2	60.2	16.6	0.28	20.3	57.6	16.1	0.28	21.8	54.6	15.4	0.28	23.5	51.4	14.6	0.28	25.3
24	16	57.8	47.8	0.83	17.7	56.2	47.1	0.84	18.6	54.2	46.2	0.85	19.9	52.0	45.1	0.87	21.2	49.4	44.0	0.89	22.9	46.6	42.7	0.92	24.6
	17	60.0	39.9	0.67	17.9	58.2	39.0	0.67	18.8	56.2	38.3	0.68	19.9	53.8	37.3	0.69	21.4	51.2	36.5	0.71	23.1	48.2	35.3	0.73	24.8
	18	62.2	34.3	0.55	17.9	60.4	33.6	0.56	19.0	58.2	32.8	0.56	20.1	55.8	31.9	0.57	21.6	53.0	31.2	0.59	23.3	49.8	30.2	0.61	25.1
	19	64.2	28.5	0.44	18.1	62.4	27.9	0.45	19.2	60.2	27.2	0.45	20.3	57.6	26.3	0.46	21.8	54.6	25.6	0.47	23.5	51.4	24.7	0.48	25.3
	20	69.2	21.9	0.32	18.4	67.2	21.2	0.32	19.4	64.8	20.7	0.32	20.5	62.0	20.0	0.32	22.0	58.8	19.3	0.33	23.8	55.2	18.5	0.33	25.5
	21	69.2	16.5	0.24	18.6	67.2	15.9	0.24	19.7	64.8	15.4	0.24	20.7	62.0	14.9	0.24	22.2	58.8	14.3	0.24	24.0	55.2	13.5	0.25	25.9
26	18	62.2	46.0	0.74	17.9	60.4	45.3	0.75	19.0	58.2	44.5	0.76	20.1	55.8	43.5	0.78	21.6	53.0	42.6	0.80	23.3	49.8	41.2	0.83	25.1
	19	64.2	39.8	0.62	18.1	62.4	39.3	0.63	19.2	60.2	38.4	0.64	20.3	57.6	37.4	0.65	21.8	54.6	36.5	0.67	23.5	51.4	35.4	0.69	25.3
	20	69.2	33.0	0.48	18.4	67.2	32.5	0.48	19.4	64.8	31.6	0.49	20.5	62.0	30.5	0.49	22.0	58.8	29.9	0.51	23.8	55.2	28.9	0.52	25.5
	21	69.2	27.9	0.40	18.6	67.2	27.4	0.41	19.7	64.8	26.7	0.41	20.7	62.0	25.8	0.42	22.2	58.8	25.1	0.43	24.0	55.2	24.2	0.44	25.9
	22	71.6	21.2	0.30	18.8	69.4	20.8	0.30	19.9	67.0	20.3	0.30	21.2	64.0	19.6	0.31	22.5	60.8	19.0	0.31	24.2	57.2	18.2	0.32	26.1
	23	73.8	16.6	0.22	19.0	71.8	16.2	0.23	20.1	69.2	15.8	0.23	21.4	66.2	15.3	0.23	22.9	62.8	14.7	0.23	24.6	59.0	14.0	0.24	26.6
28	19	64.2	50.9	0.79	18.1	62.4	50.1	0.80	19.2	60.2	49.6	0.82	20.3	57.6	48.6	0.84	21.8	54.6	47.4	0.87	23.5	51.4	45.9	0.89	25.3
	20	69.2	43.9	0.63	18.4	67.2	43.2	0.64	19.4	64.8	42.7	0.66	20.5	62.0	41.8	0.67	22.0	58.8	40.8	0.69	23.8	55.2	39.4	0.71	25.5
	21	69.2	38.8	0.56	18.6	67.2	38.3	0.57	19.7	64.8	37.7	0.58	20.7	62.0	36.9	0.60	22.2	58.8	36.0	0.61	24.0	55.2	34.8	0.63	25.9
	22	71.6	31.9	0.45	18.8	69.4	31.3	0.45	19.9	67.0	30.9	0.46	21.2	64.0	30.1	0.47	22.5	60.8	29.3	0.48	24.2	57.2	28.3	0.49	26.1
	23	73.8	26.8	0.36	19.0	71.8	26.4	0.37	20.1	69.2	25.9	0.37	21.4	66.2	25.2	0.38	22.9	62.8	24.4	0.39	24.6	59.0	23.3	0.40	26.6
	24	76.0	21.0	0.28	19.2	73.8	20.5	0.28	20.3	71.4	20.1	0.28	21.6	68.4	19.6	0.29	23.1	65.0	18.8	0.29	24.8	61.0	17.9	0.29	26.8
30	20	69.2	54.5	0.79	18.4	67.2	53.5	0.80	19.4	64.8	52.6	0.81	20.5	62.0	51.2	0.83	22.0	58.8	50.7	0.86	23.8	55.2	49.4	0.89	25.5
	21	69.2	48.8	0.71	18.6	67.2	47.9	0.71	19.7	64.8	47.1	0.73	20.7	62.0	46.0	0.74	22.2	58.8	45.2	0.77	24.0	55.2	43.9	0.79	25.9
	22	71.6	42.3	0.59	18.8	69.4	41.4	0.60	19.9	67.0	40.8	0.61	21.2	64.0	39.8	0.62	22.5	60.8	38.9	0.64	24.2	57.2	37.6	0.66	26.1
	23	73.8	36.2	0.49	19.0	71.8	35.4	0.49	20.1	69.2	34.9	0.50	21.4	66.2	34.0	0.51	22.9	62.8	33.0	0.53	24.6	59.0	31.8	0.54	26.6
	24	76.0	31.1	0.41	19.2	73.8	30.4	0.41	20.3	71.4	30.0	0.42	21.6	68.4	29.3	0.43	23.1	65.0	28.3	0.44	24.8	61.0	27.0	0.44	26.8

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of “indoor fan external static pressure: ESP = 200Pa”.
If you need “ESP = 100Pa”, please subtract “1.0kw” from “T/I value of this table”.)

Factor for Various Air Flow

PEH-20MYA-EU	AIR VOLUME	CMM	160	180	200
		L/S	2,660	3,000	3,320
COOLING	CAPACITY		0.976	1.0	1.025
	TOTAL INPUT		0.991	1.0	1.009
	SHC		0.963	1.0	1.044

Cooling Capacity (Standard Air Flow)

(Use for low ambient cooling parts)

PEH-20MYA-EU

INDOOR		OUTDOOR DB°C																			
		-5.0				0.0				5.0				10.0				15.0			
DB°C	WB°C	Q kW	SHC kW	SHF	T/I kW	Q kW	SHC kW	SHF	T/I kW	Q kW	SHC kW	SHF	T/I kW	Q kW	SHC kW	SHF	T/I kW	Q kW	SHC kW	SHF	T/I kW
20	15	59.4	32.0	0.54	16.3	59.2	31.9	0.54	17.7	58.8	31.7	0.54	19.2	58.0	31.4	0.54	18.5	57.0	31.1	0.55	16.8
	16	62.2	25.0	0.40	16.5	62.0	24.9	0.40	18.0	61.6	24.8	0.40	19.4	60.8	24.6	0.40	18.7	59.8	24.3	0.41	17.1
	17	65.0	18.7	0.29	16.7	64.8	18.6	0.29	18.2	64.4	18.6	0.29	19.7	63.6	18.4	0.29	19.0	62.5	18.2	0.29	17.1
22	15	59.4	44.6	0.75	16.3	59.2	44.4	0.75	17.7	58.8	44.2	0.75	19.2	58.0	43.8	0.76	18.5	57.0	43.4	0.76	16.8
	16	62.2	37.2	0.60	16.5	62.0	37.1	0.60	18.0	61.6	36.9	0.60	19.4	60.8	36.7	0.60	18.7	59.8	36.4	0.61	17.1
	17	65.0	30.2	0.46	16.7	64.8	30.1	0.46	18.2	64.4	30.0	0.47	19.7	63.6	29.7	0.47	19.0	62.5	29.5	0.47	17.1
	18	67.8	23.9	0.35	17.0	67.6	23.8	0.35	18.5	67.2	23.7	0.35	20.0	66.4	23.5	0.35	19.2	65.3	23.3	0.36	17.3
	19	70.6	18.0	0.26	17.0	70.4	17.9	0.25	18.5	70.0	17.8	0.25	20.2	69.2	17.7	0.26	19.5	68.0	17.5	0.26	17.5
24	16	62.2	49.4	0.79	16.5	62.0	49.2	0.79	18.0	61.6	49.0	0.80	19.4	60.8	48.6	0.80	18.7	59.8	48.2	0.81	17.1
	17	65.0	41.6	0.64	16.7	64.8	41.4	0.64	18.2	64.4	41.2	0.64	19.7	63.6	40.8	0.64	19.0	62.5	40.3	0.65	17.1
	18	67.8	35.7	0.53	17.0	67.6	35.5	0.53	18.5	67.2	35.4	0.53	20.0	66.4	35.0	0.53	19.2	65.3	34.6	0.53	17.3
	19	70.6	29.8	0.42	17.0	70.4	29.7	0.42	18.5	70.0	29.5	0.42	20.2	69.2	29.2	0.42	19.5	68.0	28.8	0.42	17.5
	20	73.4	23.2	0.32	17.2	73.2	23.0	0.31	18.7	72.8	22.9	0.31	20.2	72.0	22.5	0.31	19.7	70.8	22.2	0.31	17.7
	21	76.2	17.6	0.23	17.4	76.0	17.5	0.23	18.9	75.6	17.4	0.23	20.5	74.8	17.1	0.23	19.7	72.5	16.8	0.23	17.9
26	18	67.8	47.5	0.70	17.0	67.6	47.4	0.70	18.5	67.2	47.2	0.70	20.0	66.4	46.8	0.70	19.2	65.3	46.4	0.71	17.3
	19	70.6	40.9	0.58	17.0	70.4	40.8	0.58	18.5	70.0	40.6	0.58	20.2	69.2	40.4	0.58	19.5	68.0	40.1	0.59	17.5
	20	73.4	33.9	0.46	17.2	73.2	33.8	0.46	18.7	72.8	33.7	0.46	20.2	72.0	33.4	0.46	19.7	70.8	33.2	0.47	17.7
	21	76.2	28.7	0.38	17.4	76.0	28.6	0.38	18.9	75.6	28.5	0.38	20.5	74.8	28.3	0.38	19.7	72.5	28.1	0.39	17.9
	22	79.0	22.1	0.28	17.6	78.8	22.0	0.28	19.2	78.4	21.9	0.28	20.7	77.6	21.7	0.28	19.9	74.2	21.4	0.29	18.1
	23	81.8	17.3	0.21	17.6	81.6	17.2	0.21	19.4	81.2	17.1	0.21	21.0	80.4	16.9	0.21	20.2	75.9	16.7	0.22	18.4
28	19	70.6	52.7	0.75	17.0	70.4	52.5	0.75	18.5	70.0	52.3	0.75	20.2	69.2	51.8	0.75	19.5	68.0	51.4	0.76	17.5
	20	73.4	45.3	0.62	17.2	73.2	45.2	0.62	18.7	72.8	45.0	0.62	20.2	72.0	44.6	0.62	19.7	70.8	44.3	0.63	17.7
	21	76.2	39.8	0.52	17.4	76.0	39.7	0.52	18.9	75.6	39.5	0.52	20.5	74.8	39.3	0.53	19.7	72.5	39.0	0.54	17.9
	22	79.0	33.1	0.42	17.6	78.8	33.0	0.42	19.2	78.4	32.8	0.42	20.7	77.6	32.5	0.42	19.9	74.2	32.2	0.43	18.1
	23	81.8	27.6	0.34	17.6	81.6	27.5	0.34	19.4	81.2	27.4	0.34	21.0	80.4	27.2	0.34	20.2	75.9	27.0	0.36	18.4
	24	82.0	22.1	0.27	17.8	81.2	21.9	0.27	19.4	80.2	21.8	0.27	21.3	79.0	21.5	0.27	20.4	77.6	21.3	0.27	18.4
30	20	73.4	56.4	0.77	17.2	73.2	56.2	0.77	18.7	72.8	55.9	0.77	20.2	72.0	55.4	0.77	19.7	70.8	54.9	0.78	17.7
	21	76.2	50.5	0.66	17.4	76.0	50.3	0.66	18.9	75.6	50.1	0.66	20.5	74.8	49.6	0.66	19.7	72.5	49.2	0.68	17.9
	22	79.0	44.2	0.56	17.6	78.8	44.0	0.56	19.2	78.4	43.7	0.56	20.7	77.6	43.3	0.56	19.9	74.2	42.8	0.58	18.1
	23	81.8	37.6	0.46	17.6	81.6	37.4	0.46	19.4	81.2	37.2	0.46	21.0	80.4	36.9	0.46	20.2	75.9	36.5	0.48	18.4
	24	82.0	32.4	0.40	17.8	81.2	32.2	0.40	19.4	80.2	32.1	0.40	21.3	79.0	31.7	0.40	20.4	77.6	31.4	0.40	18.4

Note1. * Q:COOLING CAPACITY SHC:SENSIBLE HEAT CAPACITY T/I:TOTAL INPUT (In case of "indoor fan external static pressure: ESP = 200Pa". If you need "ESP = 100Pa", please subtract "1.0kw" from "T/I value of this table".)

Heating Capacity (Standard Air Flow)

PEH-20MYA-EU

INDOOR	OUTDOOR WB°C					
	-10.0		-5.0		0.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	36.8	12.0	42.8	13.0	49.6	14.3
16	36.6	12.0	42.6	13.0	49.0	14.3
17	36.4	12.0	42.6	13.0	49.2	14.5
18	36.4	12.2	42.4	13.2	49.0	14.5
19	36.2	12.2	42.2	13.2	48.8	14.7
20	36.0	12.2	42.0	13.5	48.6	14.7
21	35.8	12.2	41.8	13.5	48.6	14.9
22	35.6	12.4	41.6	13.5	48.4	15.1
23	35.4	12.4	41.4	13.7	48.2	15.1
24	35.2	12.4	41.2	13.7	48.0	15.3
25	35.0	12.4	41.0	13.9	47.8	15.5
26	34.8	12.6	40.8	13.9	47.4	15.5
27	34.6	12.6	40.6	14.1	47.2	15.7

INDOOR	OUTDOOR WB°C					
	5.0		10.0		15.0	
DB°C	Q kW	T/I kW	Q kW	T/I kW	Q kW	T/I kW
15	57.2	15.9	65.6	17.8	74.6	19.9
16	57.0	15.7	65.4	17.6	74.4	19.7
17	56.8	16.1	65.2	18.0	74.2	20.1
18	56.6	16.1	65.0	18.2	74.0	20.5
19	56.2	16.4	64.6	18.4	73.8	20.7
20	56.2	16.6	64.4	18.6	73.6	20.9
21	56.0	16.8	64.2	18.8	73.2	21.1
22	55.8	16.8	64.0	18.8	72.8	21.3
23	55.6	17.0	63.6	19.0	72.4	21.3
24	55.4	17.2	63.4	19.3	72.2	21.5
25	55.2	17.4	63.2	19.5	71.8	21.7
26	54.8	17.4	62.8	19.7	71.2	22.1
27	54.4	17.6	62.2	19.9	70.8	22.4

* Q:HEATING CAPACITY T/I:TOTAL INPUT (In case of "indoor fan external static pressure: ESP = 200Pa". If you need "ESP = 100Pa", please subtract "1.0kw" from "T/I value of this table".)

Factor for Various Air Flow

PEH-20MYA-EU	AIR VOLUME	CMM	160	180	200
		L/S	2,660	3,000	3,320
COOLING	CAPACITY		0.976	1.0	1.025
	TOTAL INPUT		0.991	1.0	1.009
	SHC		0.963	1.0	1.044

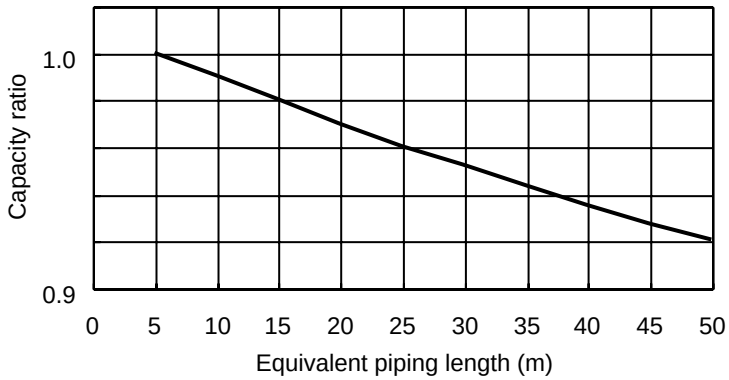
Factor for Various Air Flow

PEH-20MYA-EU	AIR VOLUME	CMM	160	180	200
		L/S	2,660	3,000	3,320
HEATING	CAPACITY		0.989	1.0	1.008
	TOTAL INPUT		1.025	1.0	0.984

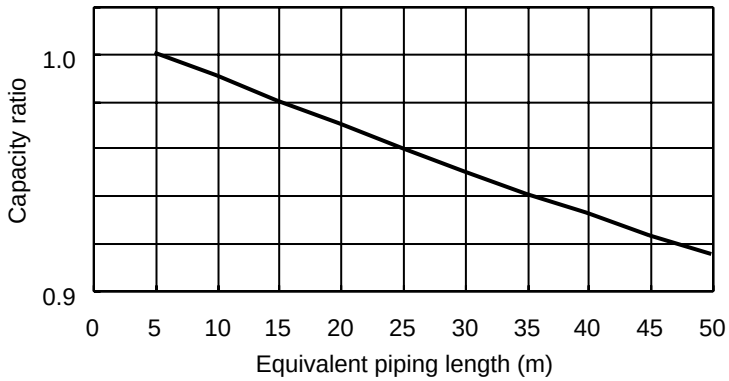
CAPACITY REDUCTION RATIO DUE TO CHANGES IN PIPING LENGTH

(1) Cooling capacity

PE-7,8,15MYC-EU
PEH-7,8,15MYA-EU



PE-10,20MYC-EU
PEH-10,20MYA-EU



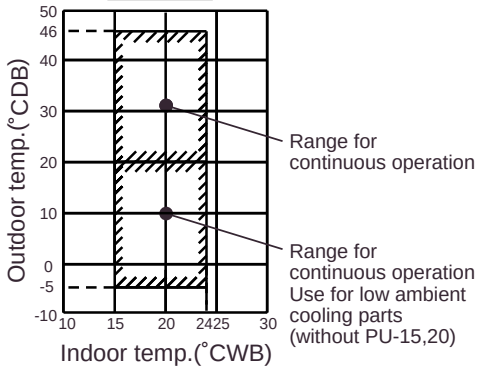
(2) Heating capacity

Model name	Equivalent piping length	
	~30m	30~50m
PEH-7, 8, 10, 15, 20MYA	1.0	0.995

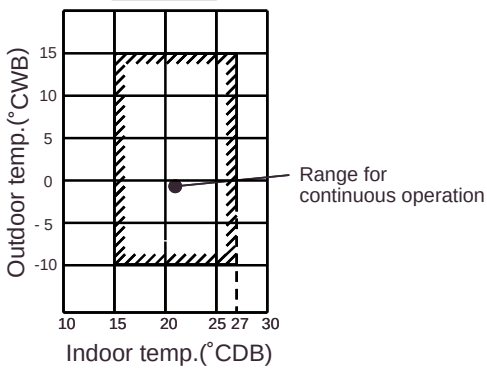
OPERATION RANGE

The range of working temperatures is as below.
Make sure which unit you are using and confirm the range of application.

Cooling



Heating (PEH only)



Note:

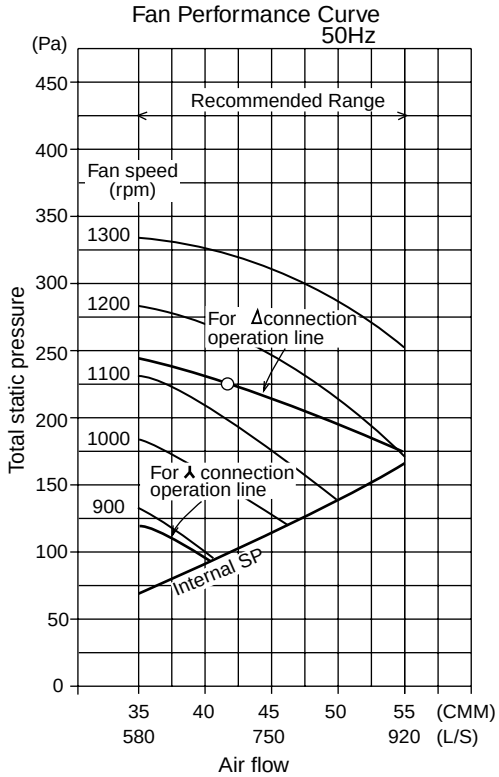
As an applicable humidity outside standard for both indoors and outdoors, and indoor return air we recommend use within a range of 35-80% relative humidity. However, it is a condition that there is no be dewy in surfaces of electric parts.

⚠ Caution:

The use of your air conditioner outside the range of working temperature and humidity can result in serious failure.

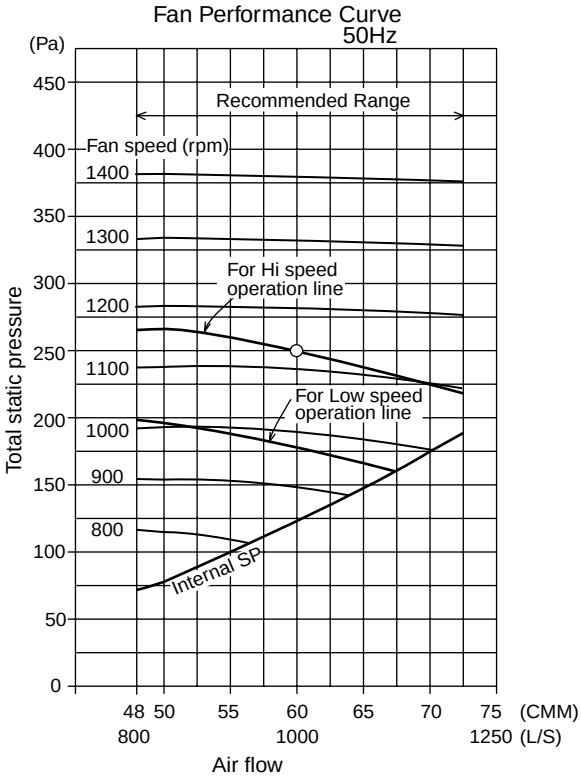
FAN PERFORMANCE

PEH-5MYA-EU



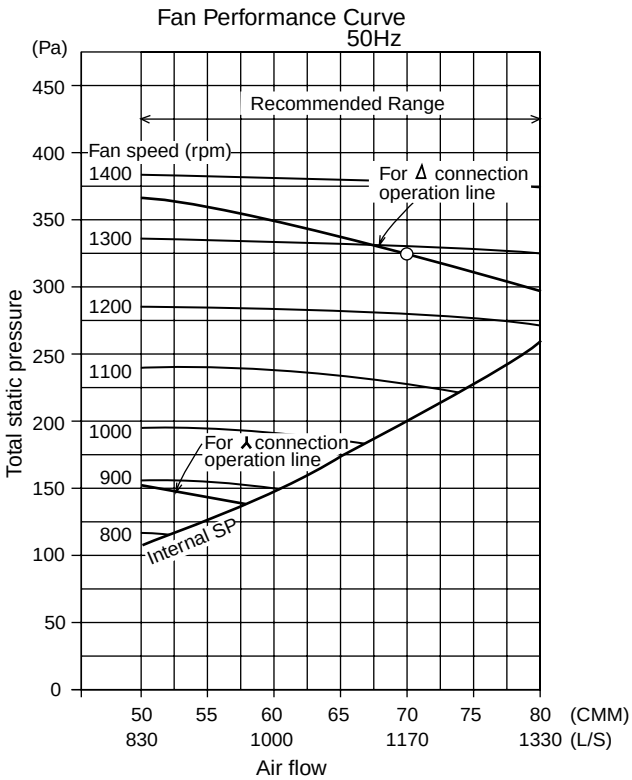
○ factory pre setting ESP = 125Pa

PE-7MYC-EU
PEH-7MYA-EU



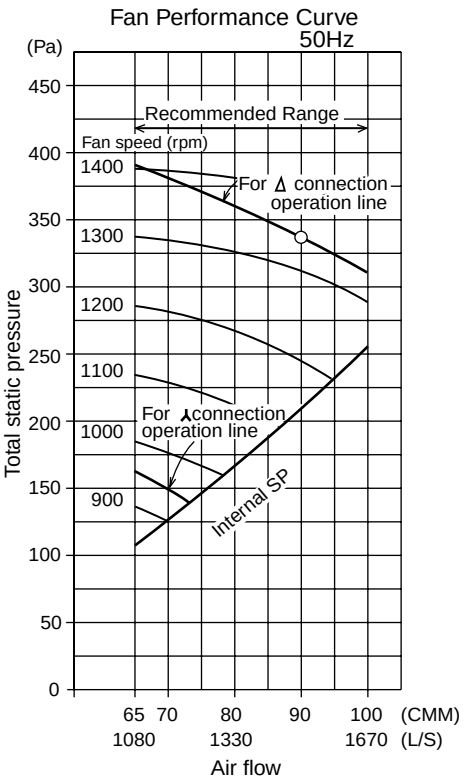
○ factory pre setting ESP = 125Pa

PE-8MYC-EU
PEH-8MYA-EU



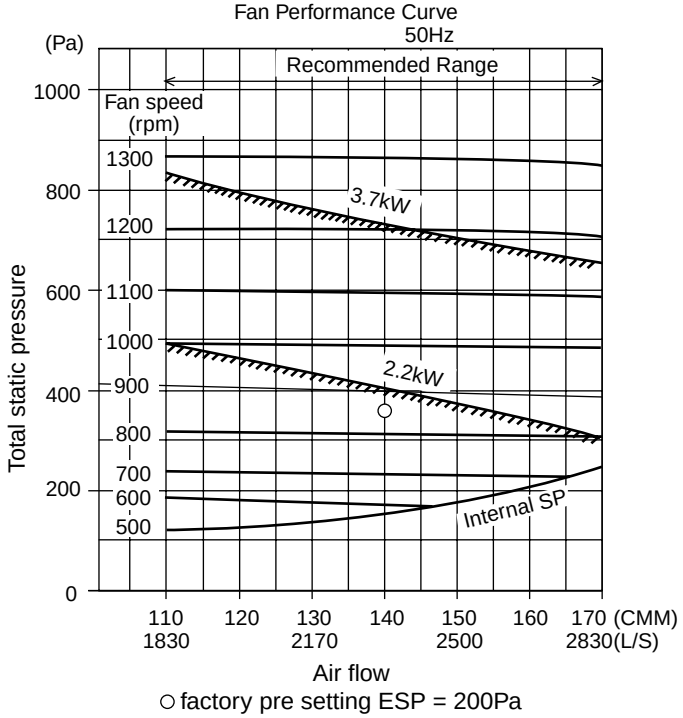
○ factory pre setting ESP = 125Pa

PE-10MYC-EU
PEH-10MYA-EU



○ factory pre setting ESP = 125Pa

PE-15MYC1-EU
PEH-15MYA-EU

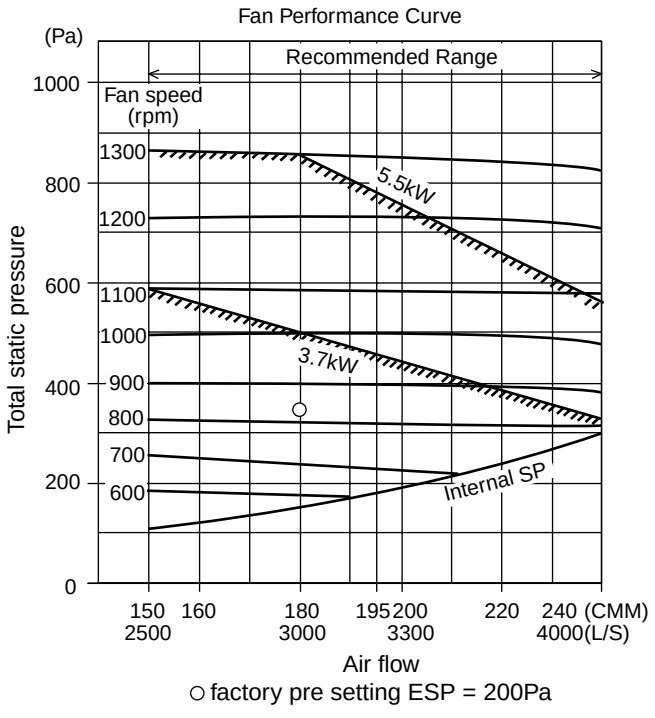


Airflow

Total static pressure (Pa)	Model		PE-15MYC1-EU, PEH-15MYA-EU						
	CMM		110	120	130	140	150	160	170
	L/S		1830	2000	2170	2330	2500	2670	2830
200	FAN SPEED	rpm	768	768	768	768	768	-	-
	PULLEYSIZE (MOTOR SIDE)	mm	139.7	139.7	139.7	139.7	139.7	-	-
		inch	5.5	5.5	5.5	5.5	5.5	-	-
	PULLEYSIZE (FAN SIDE)	mm	254	254	254	254	254	-	-
		inch	10	10	10	10	10	-	-
	BELT SIZE	inch	B45	B45	B45	B45	B45	-	-
	MOTOR	kw	2.2	2.2	2.2	2.2	2.2	-	-
300	FAN SPEED	rpm	898	898	898	898	898	898	898
	PULLEYSIZE (MOTOR SIDE)	mm	114.3	114.3	114.3	114.3	114.3	114.3	114.3
		inch	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	PULLEYSIZE (FAN SIDE)	mm	177.8	177.8	177.8	177.8	177.8	177.8	177.8
		inch	7	7	7	7	7	7	7
	BELT SIZE	inch	B38X2	B38X2	B38X2	B38X2	B38X2	B38X2	B38X2
	MOTOR	kw	2.2	2.2	2.2	2.2	2.2	2.2	2.2
400	FAN SPEED	rpm	942	942	942	942	971	971	971
	PULLEYSIZE (MOTOR SIDE)	mm	152.4	152.4	152.4	152.4	139.7	139.7	139.7
		inch	6	6	6	6	5.5	5.5	5.5
	PULLEYSIZE (FAN SIDE)	mm	228.6	228.6	228.6	228.6	203.2	203.2	203.2
		inch	9	9	9	9	8	8	8
	BELT SIZE	inch	B44	B44	B44	B44	B40X2	B40X2	B40X2
	MOTOR	kw	2.2	2.2	2.2	2.2	3.7	3.7	3.7
500	FAN SPEED	rpm	1008	1008	1008	1008	1067	1067	1067
	PULLEYSIZE (MOTOR SIDE)	mm	127	127	127	127	152.4	152.4	152.4
		inch	5	5	5	5	6	6	6
	PULLEYSIZE (FAN SIDE)	mm	177.8	177.8	177.8	177.8	203.2	203.2	203.2
		inch	7	7	7	7	8	8	8
	BELT SIZE	inch	B37X2	B37X2	B37X2	B37X2	B40X2	B40X2	B40X2
	MOTOR	kw	3.7	3.7	3.7	3.7	3.7	3.7	3.7
600	FAN SPEED	rpm	1119	1119	1119	1119	1119	1119	1119
	PULLEYSIZE (MOTOR SIDE)	mm	139.7	139.7	139.7	139.7	139.7	139.7	139.7
		inch	5.5	5.5	5.5	5.5	5.5	5.5	5.5
	PULLEYSIZE (FAN SIDE)	mm	177.8	177.8	177.8	177.8	177.8	177.8	177.8
		inch	7	7	7	7	7	7	7
	BELT SIZE	inch	B38X2	B38X2	B38X2	B38X2	B38X2	B38X2	B38X2
	MOTOR	kw	3.7	3.7	3.7	3.7	3.7	3.7	3.7
700	FAN SPEED	rpm	1190	1190	1190	1190	-	-	-
	PULLEYSIZE (MOTOR SIDE)	mm	127	127	127	127	-	-	-
		inch	5	5	5	5	-	-	-
	PULLEYSIZE (FAN SIDE)	mm	152.4	152.4	152.4	152.4	-	-	-
		inch	6	6	6	6	-	-	-
	BELT SIZE	inch	B36X2	B36X2	B36X2	B36X2	-	-	-
	MOTOR	kw	3.7	3.7	3.7	3.7	-	-	-
800	FAN SPEED	rpm	1258	-	-	-	-	-	-
	PULLEYSIZE (MOTOR SIDE)	mm	177.8	-	-	-	-	-	-
		inch	7	-	-	-	-	-	-
	PULLEYSIZE (FAN SIDE)	mm	203.2	-	-	-	-	-	-
		inch	8	-	-	-	-	-	-
	BELT SIZE	inch	B42	-	-	-	-	-	-
	MOTOR	kw	3.7	-	-	-	-	-	-

※ ▭ Std.

PE-20MYC-EU
PEH-20MYA-EU



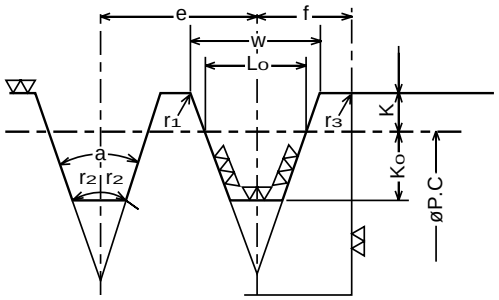
Airflow

Total static pressure (Pa)	Model		PE-20MYC-EU, PEH-20MYA-EU					
	CMM		150	160	180	200	220	240
	L/S		2500	2670	3000	3330	3670	4000
200	FAN SPEED	rpm	627	627	692	692	-	-
	PULLEYSIZE (MOTOR SIDE)	mm	127	127	127	127	-	-
		inch	5	5	5	5	-	-
	PULLEYSIZE (FAN SIDE)	mm	279.4	279.4	254	254	-	-
		inch	11	11	10	10	-	-
	BELT SIZE	inch	B44X2	B44X2	B42X2	B42X2	-	-
	MOTOR	kw	3.7	3.7	3.7	3.7	-	-
300	FAN SPEED	rpm	768	768	773	773	773	773
	PULLEYSIZE (MOTOR SIDE)	mm	139.7	139.7	127	127	127	127
		inch	5.5	5.5	5	5	5	5
	PULLEYSIZE (FAN SIDE)	mm	254	254	228.6	228.6	228.6	228.6
		inch	10	10	9	9	9	9
	BELT SIZE	inch	B43X2	B43X2	B40X2	B40X2	B40X2	B40X2
	MOTOR	kw	3.7	3.7	3.7	3.7	3.7	3.7
400	FAN SPEED	rpm	942	942	942	942	942	942
	PULLEYSIZE (MOTOR SIDE)	mm	152.4	152.4	152.4	152.4	152.4	152.4
		inch	6	6	6	6	6	6
	PULLEYSIZE (FAN SIDE)	mm	228.6	228.6	228.6	228.6	228.6	228.6
		inch	9	9	9	9	9	9
	BELT SIZE	inch	B42X2	B42X2	B42X2	B42X2	B41X2	B41X2
	MOTOR	kw	3.7	3.7	3.7	3.7	5.5	5.5
500	FAN SPEED	rpm	1008	1008	1008	1067	1067	1067
	PULLEYSIZE (MOTOR SIDE)	mm	127	127	127	152.4	152.4	152.4
		inch	5	5	5	6	6	6
	PULLEYSIZE (FAN SIDE)	mm	177.8	177.8	177.8	203.2	203.2	203.2
		inch	7	7	7	8	8	8
	BELT SIZE	inch	B37X2	B37X2	B37X2	B39X2	B39X2	B39X2
	MOTOR	kw	3.7	3.7	3.7	5.5	5.5	5.5
600	FAN SPEED	rpm	1119	1119	1119	1119	1119	-
	PULLEYSIZE (MOTOR SIDE)	mm	139.7	139.7	139.7	139.7	139.7	-
		inch	5.5	5.5	5.5	5.5	5.5	-
	PULLEYSIZE (FAN SIDE)	mm	177.8	177.8	177.8	177.8	177.8	-
		inch	7	7	7	7	7	-
	BELT SIZE	inch	B37X2	B37X2	B37X2	B37X2	B37X2	-
	MOTOR	kw	5.5	5.5	5.5	5.5	5.5	-
700	FAN SPEED	rpm	1229	1229	1229	1229	-	-
	PULLEYSIZE (MOTOR SIDE)	mm	152.4	152.4	152.4	152.4	-	-
		inch	6	6	6	6	-	-
	PULLEYSIZE (FAN SIDE)	mm	177.8	177.8	177.8	177.8	-	-
		inch	7	7	7	7	-	-
	BELT SIZE	inch	B38X2	B38X2	B38X2	B38X2	-	-
	MOTOR	kw	5.5	5.5	5.5	5.5	-	-
800	FAN SPEED	rpm	1258	1258	1258	-	-	-
	PULLEYSIZE (MOTOR SIDE)	mm	177.8	177.8	177.8	-	-	-
		inch	7	7	7	-	-	-
	PULLEYSIZE (FAN SIDE)	mm	203.2	203.2	203.2	-	-	-
		inch	8	8	8	-	-	-
	BELT SIZE	inch	B41X2	B41X2	B41X2	-	-	-
	MOTOR	kw	5.5	5.5	5.5	-	-	-

※ ▭ Std.

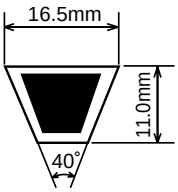
Pulley outside dimensions are shown below: (Unit : mm)

(1) Shape of belt groove



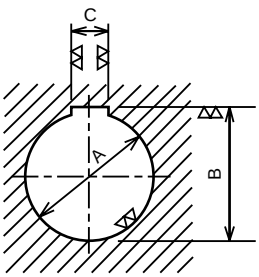
Shape of V-belt	Nominal Dia. øP.C	a (°)	W	Lo	K	Ko	e	f	r1	r2	r3	V-belt thickness (Reference)
B	Over 125 Under 160	34	15.86	12.5	5.5	9.5	19.0	12.5	0.2~0.5	0.5~1.0	1~2	11
	Over 160 Under 200	36	16.07									
	Over 200	38	16.29									

Sectional plan of V-belt



B type

(2) Shape of motor pulley boss (Unit : mm)



MOTOR CAPACITY (kW)	A	B	C
2.2, 3.7	ϕ28 +0.028 +0.007	31 +0.128 +0.007	8 +0.018 -0.018
5.5	ϕ38 +0.028 +0.007	41 +0.128 +0.009	10 +0.018 -0.018

SOUND DATA

Indoor units

Sound Levels

MODEL	SPL dB(A)	OCTAVE BAND FREQ. Hz							
		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
PEH-5MYA-EU	55	60.5	57.5	57.5	52.5	50.5	43	34.5	28.5
PE-7MYC-EU PEH-7MYA-EU	55	62	60	54	53	50	42.5	37	31.5
PE-8MYC-EU PEH-8MYA-EU	56	63	61	55	54	51	43.5	38	32.5
PE-10MYC-EU PEH-10MYA-EU	59	62	62.5	58.5	59.5	53	48	43.5	36
PE-15MYC1-EU PEH-15MYA-EU	61	25	40	47	52	55	57.5	52	36.5
PE-20MYC-EU PEH-20MYA-EU	62	32	44	49	53.5	56.5	57.5	53	51

Outdoor units

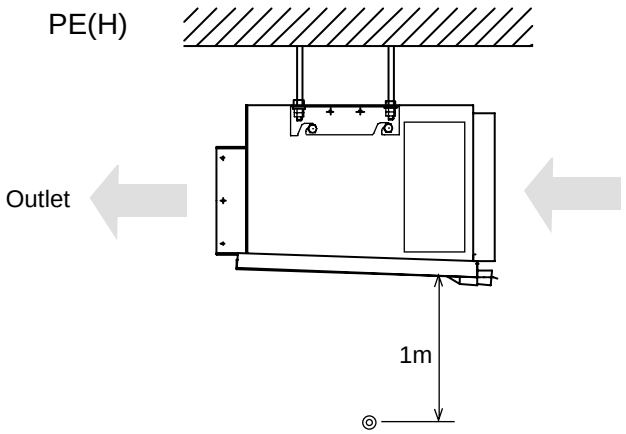
Sound Levels

MODEL	SPL dB(A)	OCTAVE BAND FREQ. Hz							
		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
PUH-5MYE$_1$-EU	57	68	58	57	52.5	52	47.5	49	40
PU-7MYC$_1$-EU PUH-7MYC$_2$-EU	65	62	63.5	62	62	60	57.5	54	54
PU-8MYC$_1$-EU PUH-8MYC$_2$-EU	65	62	63.5	62	62	60	57.5	54	54
PUH-8MYE$_1$-EU	65	45.4	58	58	58.5	61	60	51.5	47
PU-10MYC$_1$-EU PUH-10MYC$_2$-EU	65	64.5	65	64	62.5	60	57	54.5	53
PUH-10MYE$_1$-EU	65	45.4	58	58	58.5	61	60	51.5	47
PU-15MYC$_1$-EU	67	68	72	70	65	60	57	53	49.5
PU-20MYC$_1$-EU	68	66	69	70.5	65	62	59	56.5	53
PUH-15MYC$_2$-EU	69	43	51	59	64	65	64	55	50.5
PUH-20MYC$_2$-EU	69	43	51	59	64.5	65	64	55.5	51.5

Position measurement

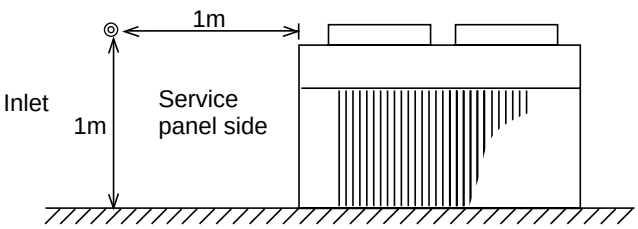
Indoor unit

PE(H)



Outdoor unit

PU(H)



APPROXIMATION FOR SOUND POWER LEVEL AT SUPPLY DUCT FLANGE OF UNIT

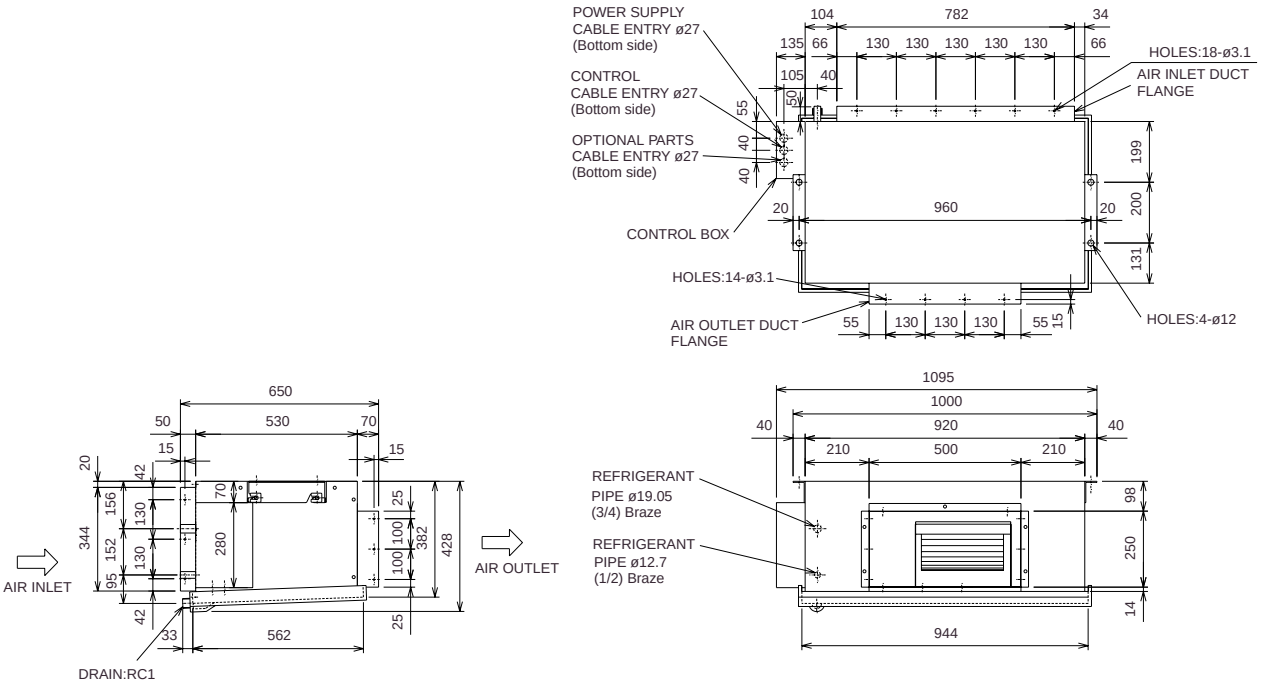
MODEL	Air volume <CMM>	External static pressure <Pa>	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
PE(H)-7	60	125	77.2	74.7	71.6	69.9	65.7	61.4
PE(H)-8	70	125	79.4	76.9	73.9	72.4	68.4	64.3
PE(H)-10	90	125	81.2	78.7	75.7	74.3	70.4	66.5
PE(H)-15	140	200	83.4	80.9	78.0	76.6	72.7	68.9
PE(H)-20	180	200	84.5	82.1	79.1	77.7	73.8	70.1

Note: This is very rough calculation, Noise level will be changed by operation condition or installation.

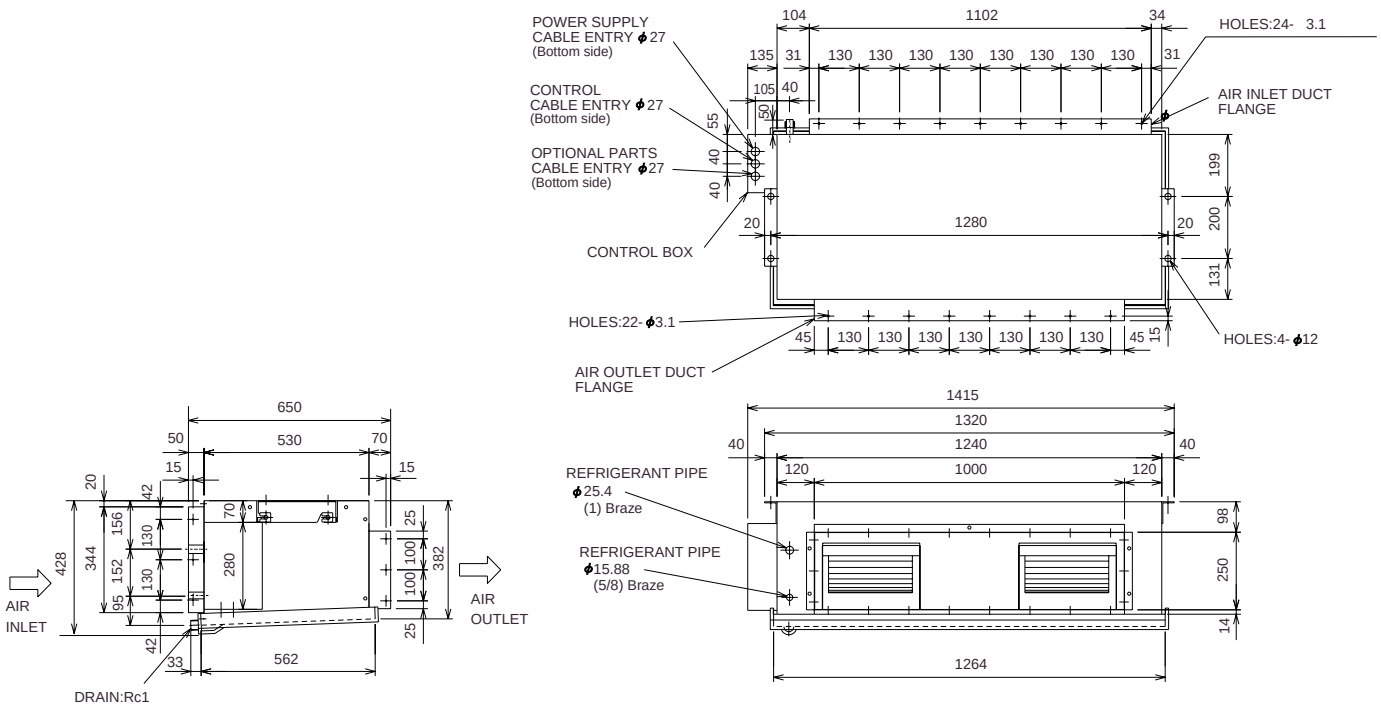
OUTLINE DIMENSIONS

PEH-5

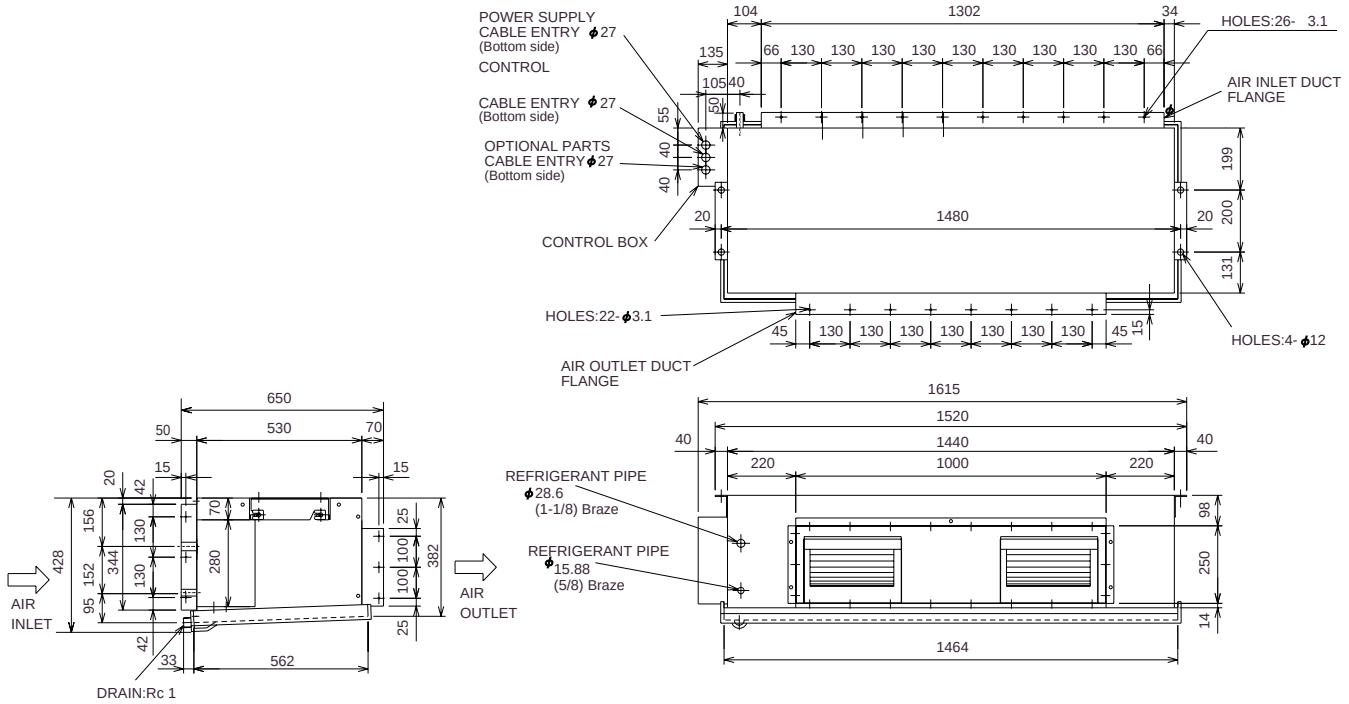
(unit; mm) *Except: Drain size (unit; inch)



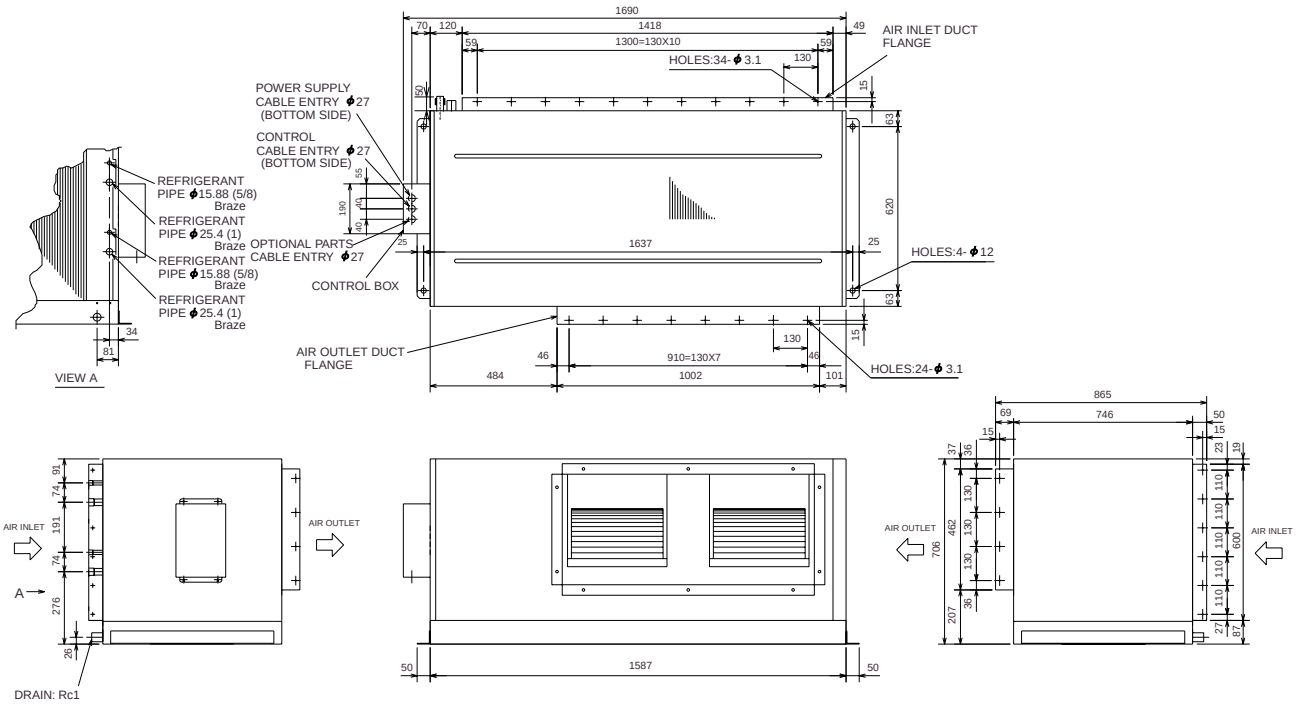
PE(H)-7,8



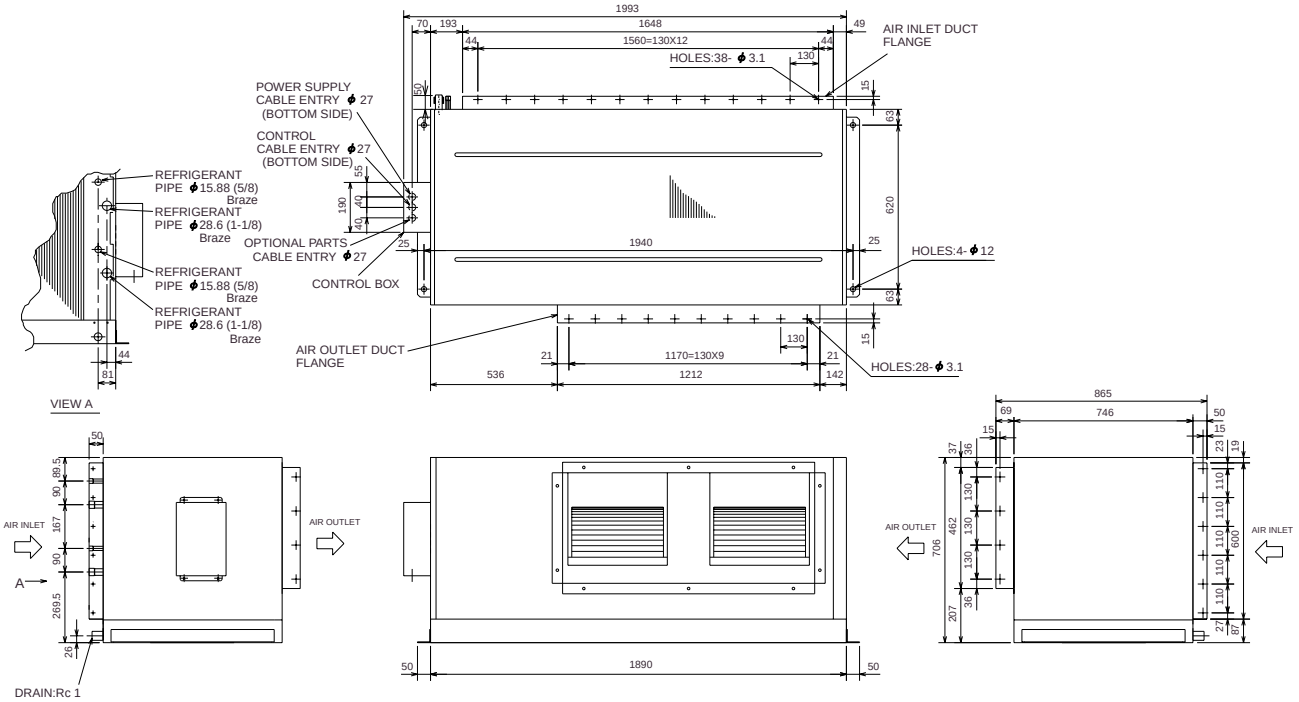
PE(H)-10


POWER SUPPLY CABLE ENTRY ϕ27 (Bottom side)
CONTROL CABLE ENTRY ϕ27 (Bottom side)
OPTIONAL PARTS CABLE ENTRY ϕ27 (Bottom side)
CONTROL BOX
HOLES:22- ϕ3.1
AIR OUTLET DUCT FLANGE
HOLES:26- 3.1
AIR INLET DUCT FLANGE
HOLES:4- ϕ12
REFRIGERANT PIPE ϕ28.6 (1-1/8) Braze
REFRIGERANT PIPE ϕ15.88 (5/8) Braze
AIR INLET
AIR OUTLET
DRAIN:Rc 1

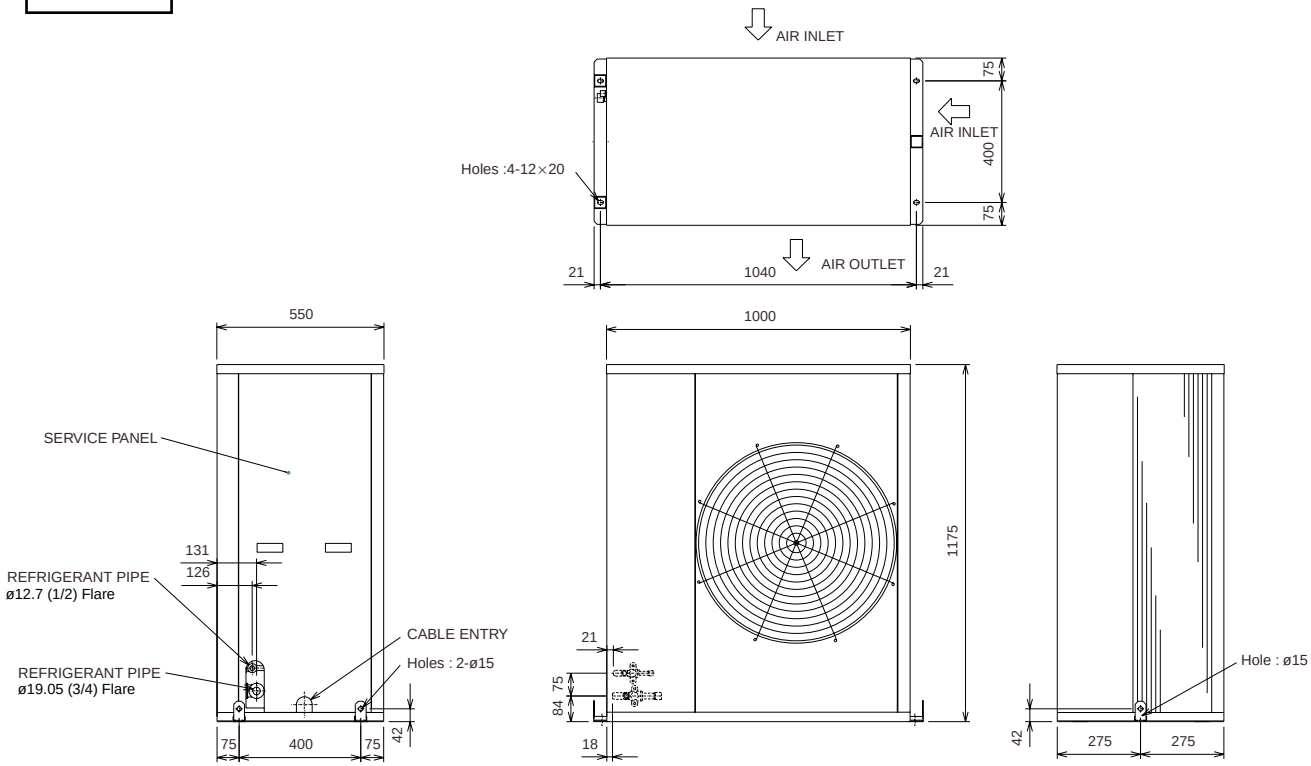
PE(H)-15


POWER SUPPLY CABLE ENTRY ϕ27 (BOTTOM SIDE)
CONTROL CABLE ENTRY ϕ27 (BOTTOM SIDE)
OPTIONAL PARTS CABLE ENTRY ϕ27
CONTROL BOX
AIR OUTLET DUCT FLANGE
AIR INLET DUCT FLANGE
HOLES:34- ϕ3.1
HOLES:4- ϕ12
HOLES:24- ϕ3.1
REFRIGERANT PIPE ϕ15.88 (5/8) Braze
REFRIGERANT PIPE ϕ25.4 (1) Braze
VIEW A
AIR INLET
AIR OUTLET
DRAIN: Rc1

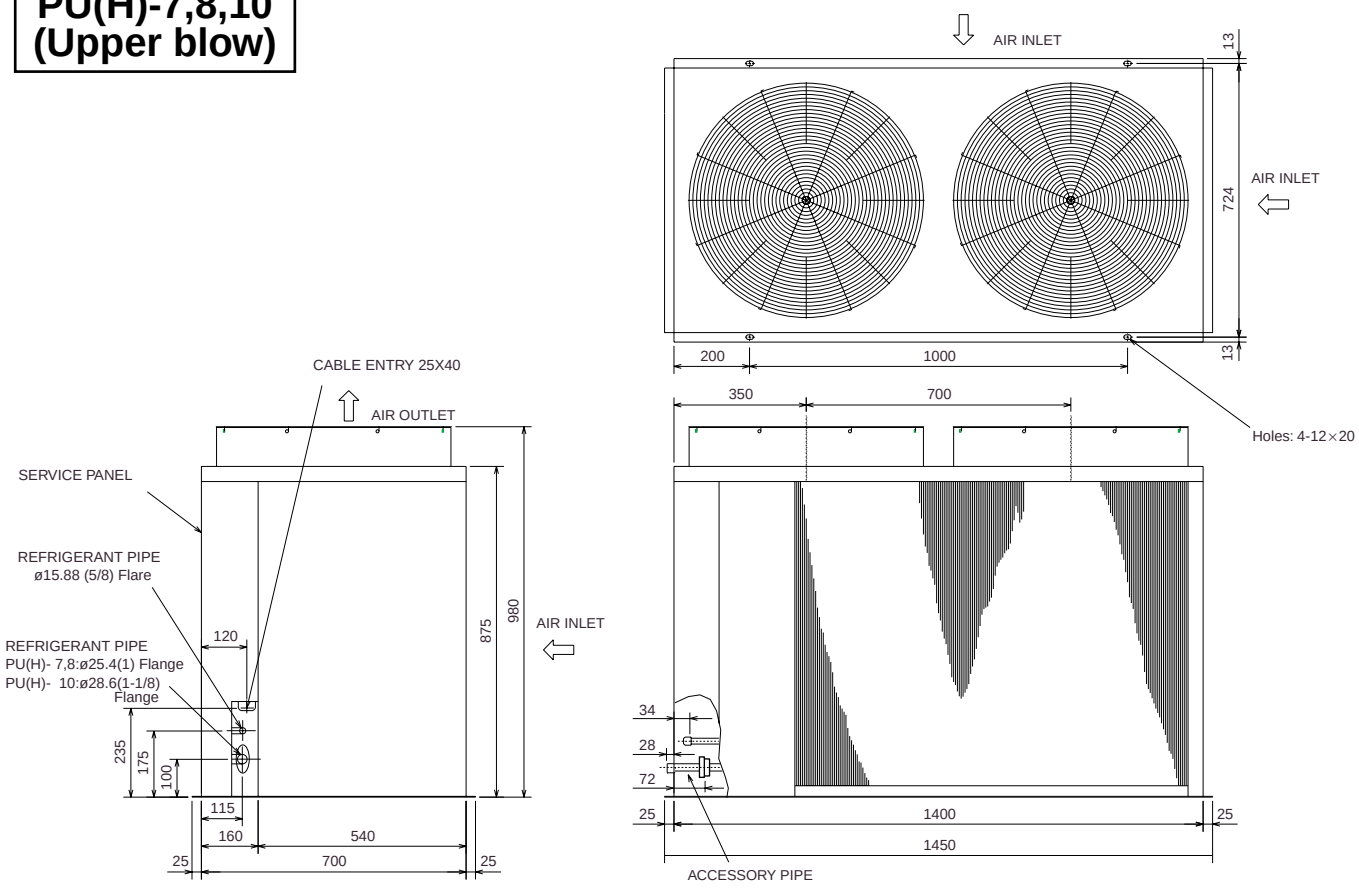
PE(H)-20


1993
70
193
1648
49
1560=130X12
44
44
130
HOLES:38- ϕ3.1
AIR INLET DUCT FLANGE
POWER SUPPLY CABLE ENTRY ϕ27 (BOTTOM SIDE)
CONTROL CABLE ENTRY ϕ27 (BOTTOM SIDE)
REFRIGERANT PIPE ϕ15.88 (5/8) Braze
REFRIGERANT PIPE ϕ28.6 (1-1/8) Braze
OPTIONAL PARTS CABLE ENTRY ϕ27
CONTROL BOX
1940
25
HOLES:4- ϕ12
AIR OUTLET DUCT FLANGE
1170=130X9
21
536
1212
142
HOLES:28- ϕ3.1
VIEW A
AIR INLET
AIR OUTLET
DRAIN:Rc 1
865
746
69
50
15
1890

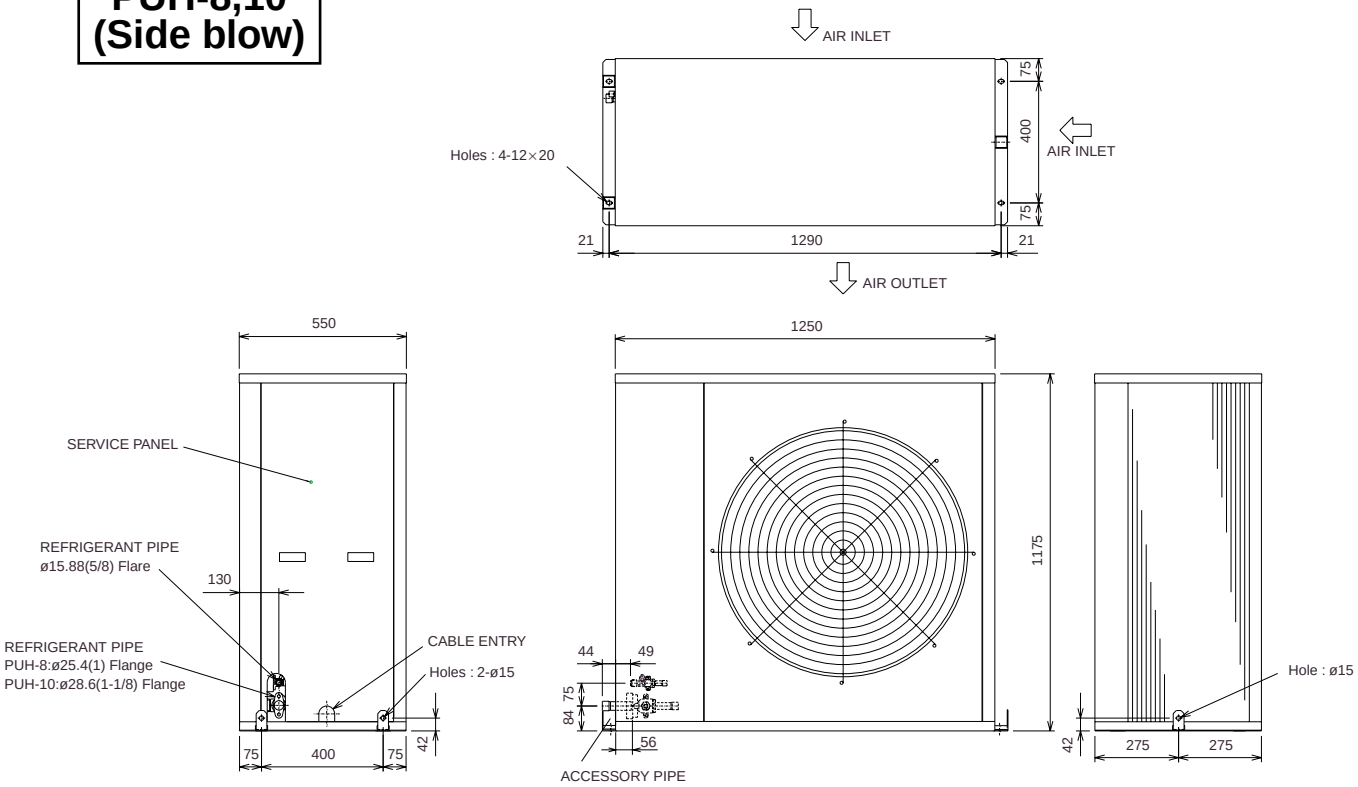
PUH-5



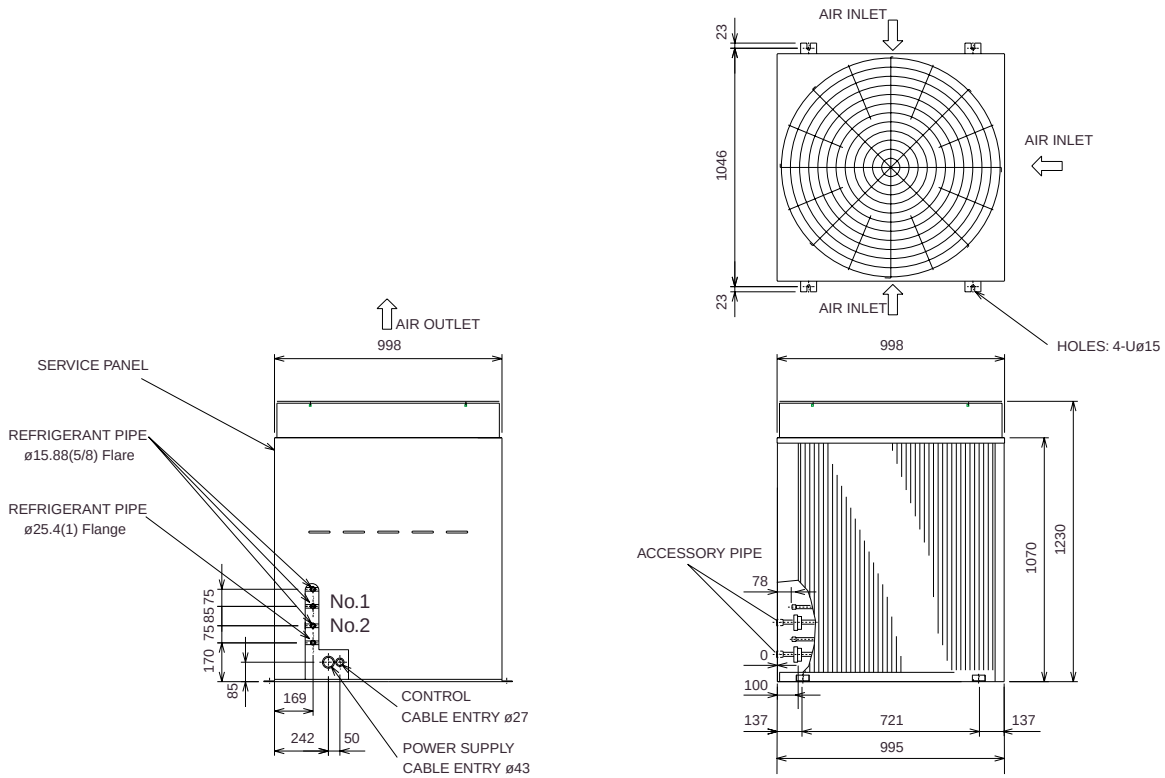
PU(H)-7,8,10 (Upper blow)



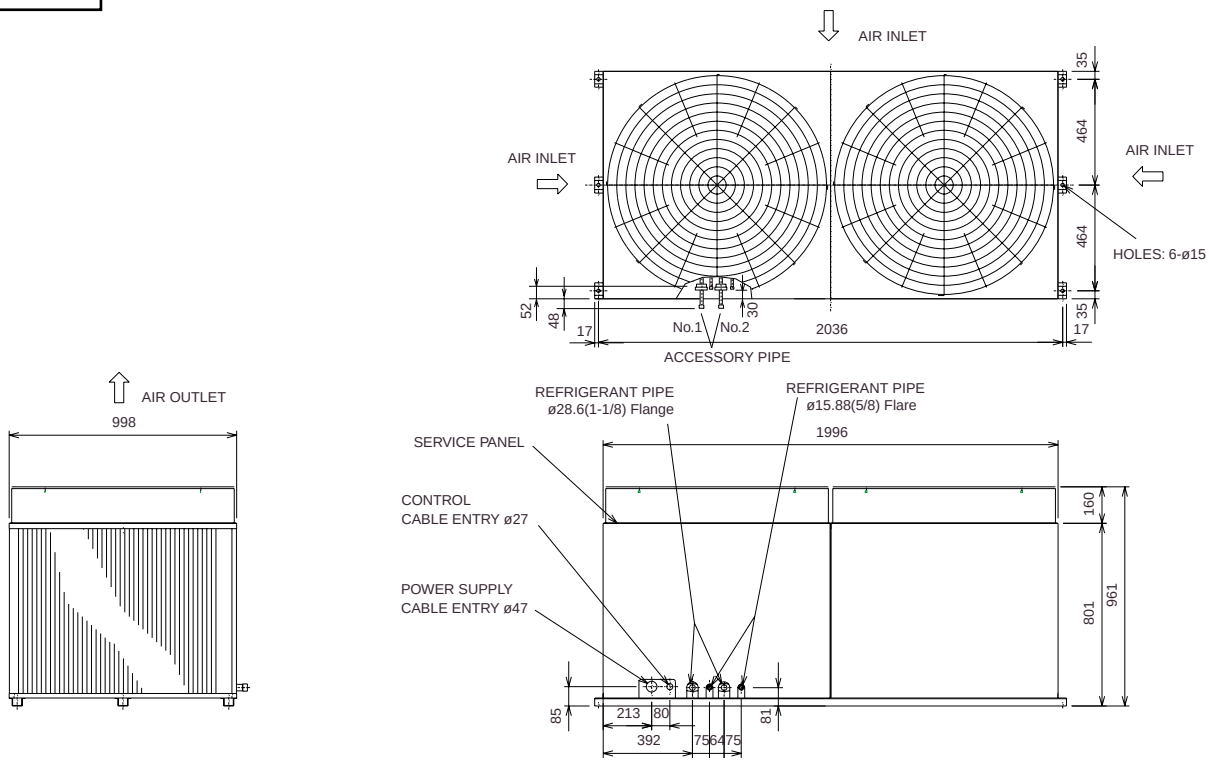
PUH-8,10 (Side blow)



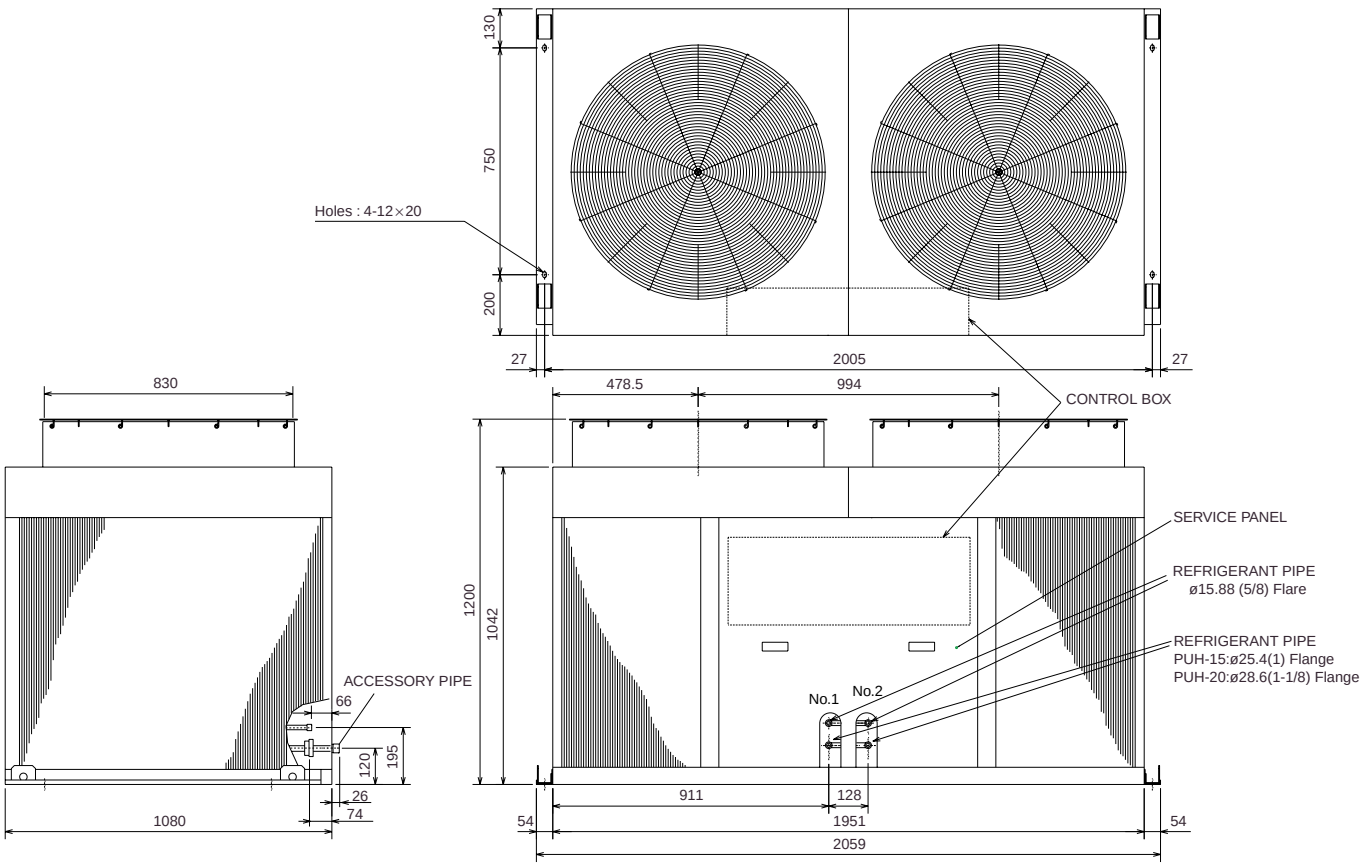
PU-15



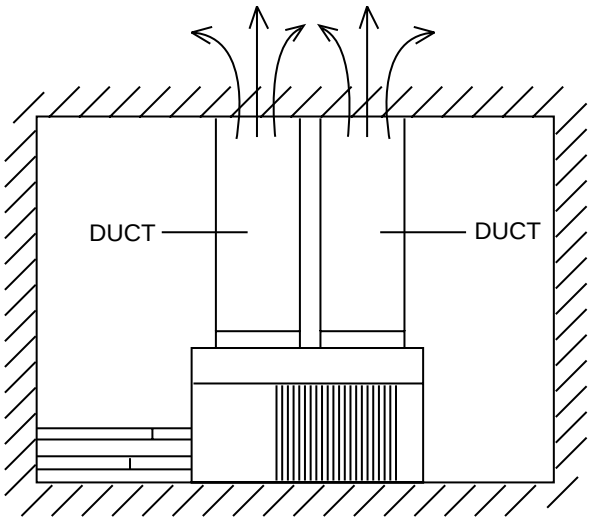
PU-20



PUH-15,20

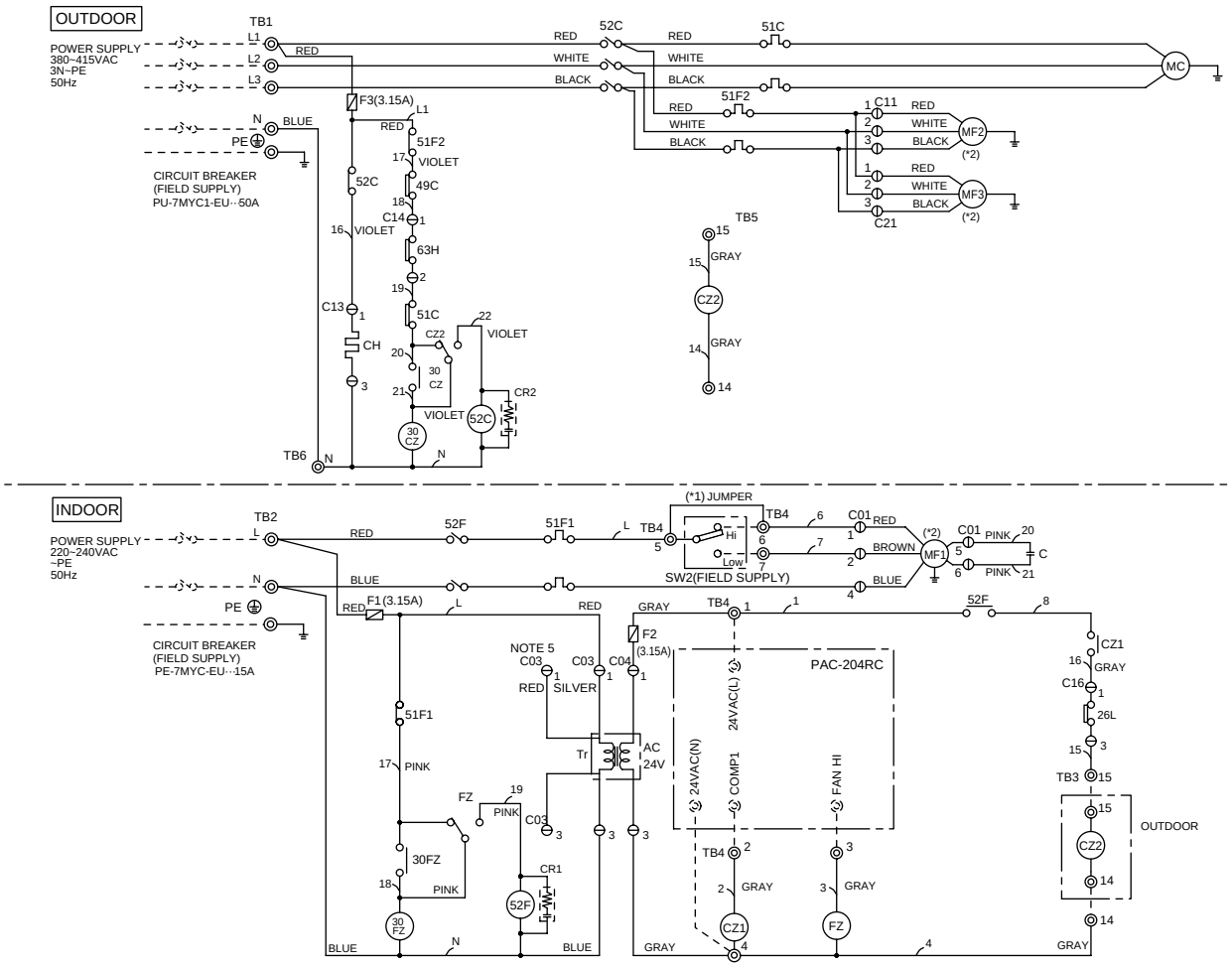


Note:
In the case of installation are shown below, it is possible to use the unit by connecting the duct.
However, the pressure loss must be 30Pa (3mmAq) or less.
Duct work is local supply.



WIRING DIAGRAMS

PE-7MYC-EU /PU-7MYC1-EU (STANDARD)

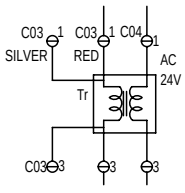


Symbol	Name
MC	Compressor motor
MF1	Fan motor (indoor)(*2)
MF2,3	Fan motor (outdoor)(*2)
52C	Contactor (compressor)
52F	Contactor (fan I/D)
TB1~6	Terminal block
CH	Crankcase heater
F1~3	Fuse (3.15A)
Tr	Transformer
49C	Internal thermostat (compressor)
51C	Over current relay (compressor)
51F1,2	Over current relay(fanI/D,O/D)
63H	High-pressure switch
26L	Thermostat (compressor)
FZ	Auxiliary relay (fan)
CZ1,2	Auxiliary relay (compressor)
30CZ,FZ	Auxiliary relay (check)
SW1	Switch (Fan Hi-Low)
C	Run capacitor
C01,03,04,11, 13,14,16,21	Connector
CR1,2	Surge killer

Controller connection.

Symbol	No.	Function	PAC-204RC terminal no.
TB4	1	Power (Active)	24VAC(L)
	2	Cooling operation	COMP1
	3	Fan operation	FAN HI
	4	Power (Neutral)	24VAC (N)

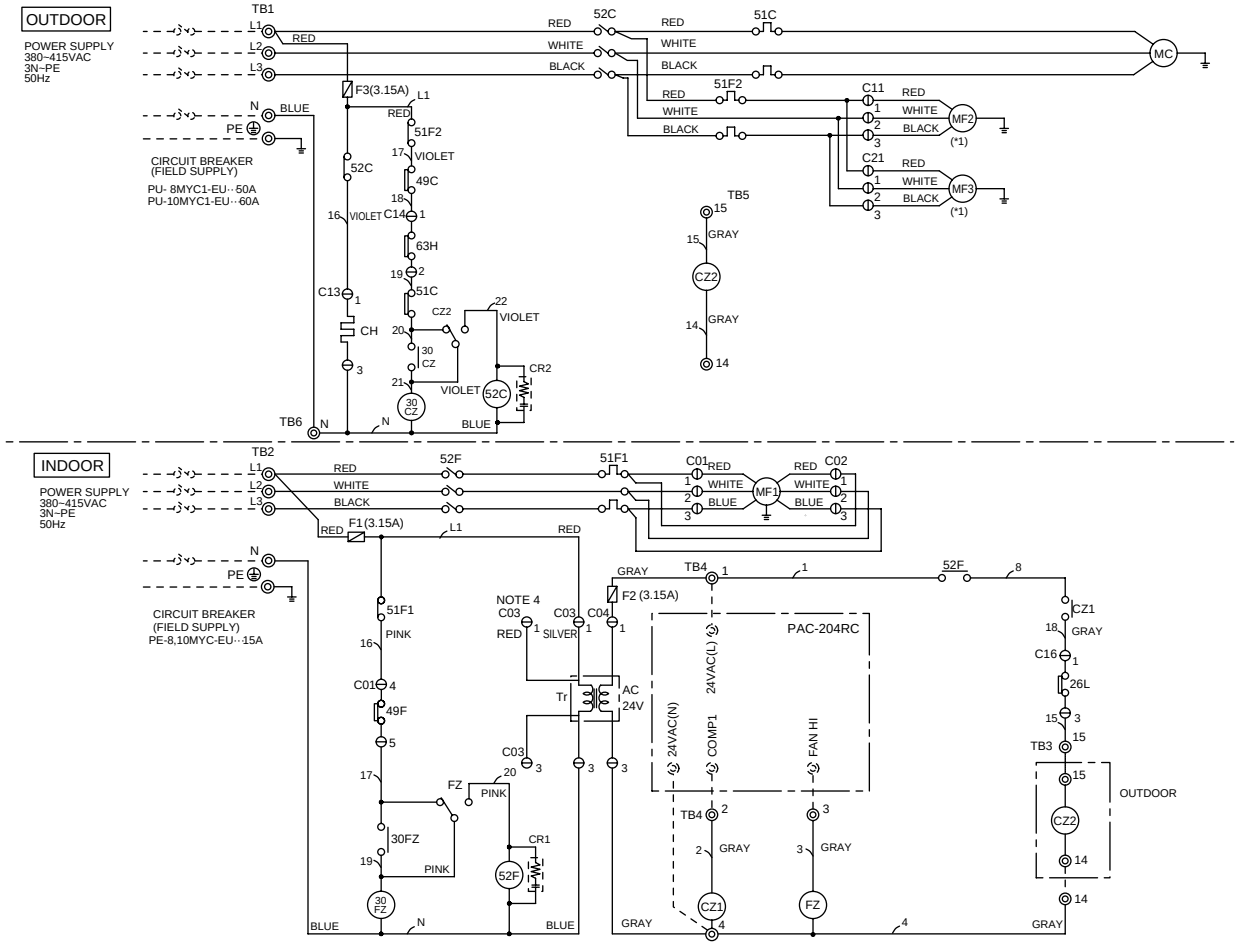
Note: 1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. Please remove the jumper wire ((*1) Mark) in the left diagram if you use the switch <SW1> at local.
If the switch <SW1> is not used, the fan motor (indoor) drives at high speed.
5. In case of power supply 220V AC model Tr wiring.



6. Specification subject to change without notice.

Caution,
1. To protect each fan motor and compressor from abnormal current, over current relays <51C>, <51F1,2> are installed. Therefore, do not change factory set value of over current relays.
2. This motor (*2) includes auto reset type internal thermostat.

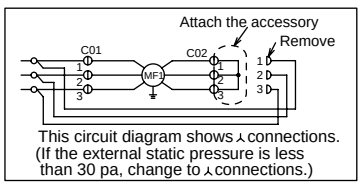
PE-8,10MYC-EU/PU-8,10MYC1-EU (STANDARD)



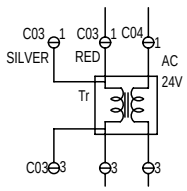
Symbol	Name
MC	Compressor motor
MF1	Fan motor (indoor)
MF2,3	Fan motor (outdoor)(*1)
52C	Contactor (compressor)
52F	Contactor (fan I/D)
TB1~6	Terminal block
CH	Crankcase heater
F1~3	Fuse (3.15A)
Tr	Transformer
49F	Internal thermostat(indoor fan)
49C	Internal thermostat(compressor)
51C	Over current relay(compressor)
51F1,2	Over current relay(fanI/D,O/D)
63H	High-pressure switch
26L	Thermostat(freeze pretection)
FZ	Auxiliary relay (fan)
CZ1,2	Auxiliary relay (compressor)
30CZ,FZ	Auxiliary relay (check)
C01~04,11, 13,14,16,21	Connector
CR1,2	Surge killer

Controller connection.

Symbol	No.	Function	PAC-204RC terminal no.
TB4	1	Power (Active)	24VAC(L)
	2	Cooling operation	COMP1
	3	Fan operation	FAN HI
	4	Power (Neutral)	24VAC (N)



Note: 1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. In case of power supply 380V AC model Tr wiring.

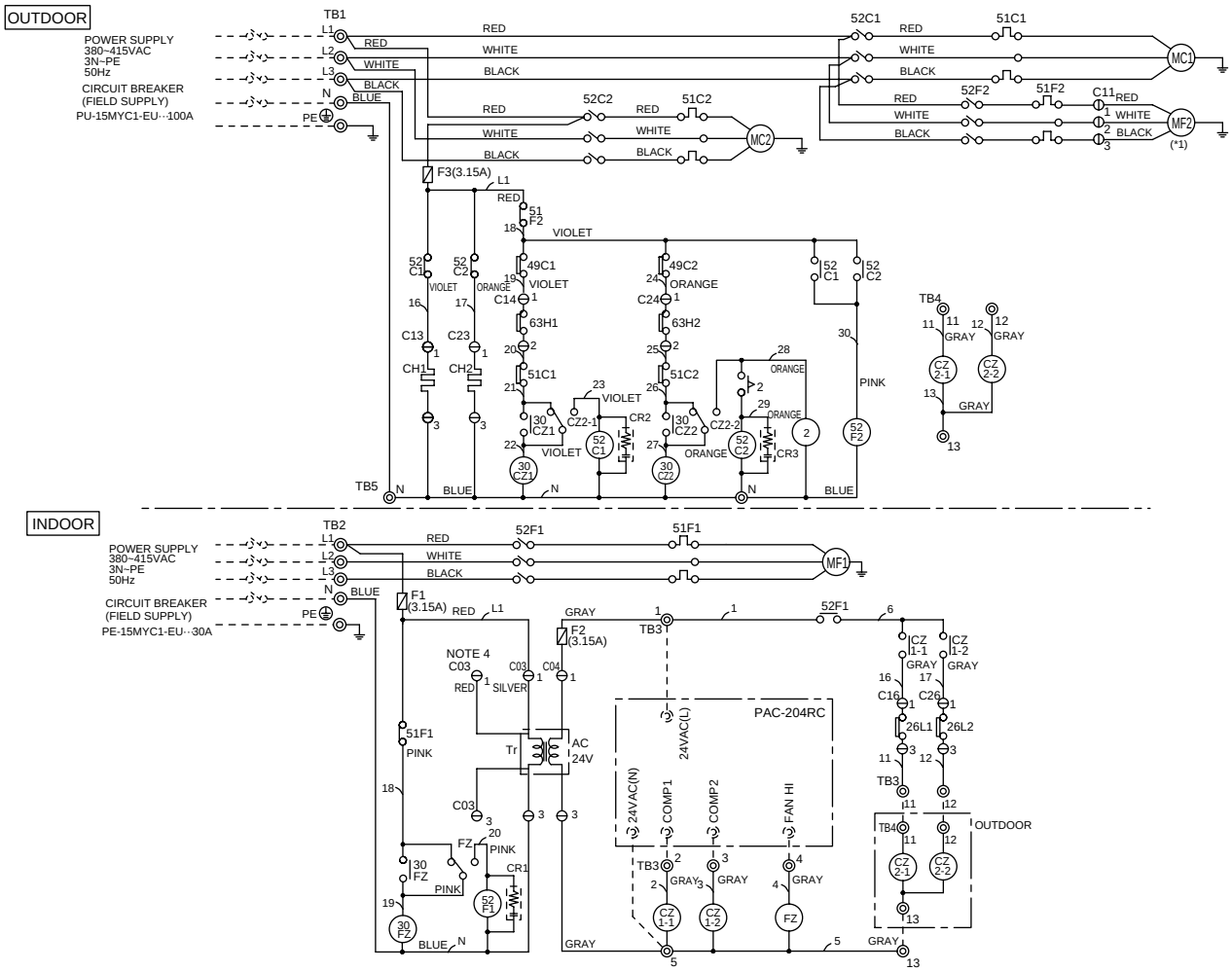


5. Specification subject to change without notice.

Caution,

1. To protect each fan motor and compressor from abnormal current, over current relays<51C>, <51F1,2> are installed. Therefore, do not change factory set value of over current relays.
2. This motor (*1) includes auto reset type internal thermostat.

PE-15MYC1-EU/PU-15MYC1-EU (STANDARD)

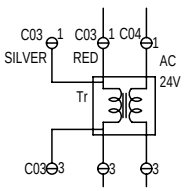


Symbol	Name
MC1,2	Compressor motor
MF1	Fan motor (indoor)
MF2	Fan motor (outdoor)(*1)
52C1,2	Contactor (compressor)
52F1	Contactor (fan I/D)
52F2	Contactor (fan O/D)
TB1~5	Terminal block
CH1,2	Crankcase heater
F1~3	Fuse (3.15A)
Tr	Transformer
49C1,2	Internal thermostat(compressor)
51C1,2	Over current relay(compressor)
51F1	Over current relay(fanI/D)
51F2	Over current relay(fanO/D)
63H1,2	High-pressure switch
26L1,2	Thermostat(freeze protection)
FZ	Auxiliary relay (fan)
30FZ	Auxiliary relay (fan)
CZ1-1,2/2-1,2	Auxiliary relay
30CZ1,2	Auxiliary relay (check)
C03,04,11,13, 14,16,23,24,26	Connector
CR1~3	Surge killer
2	Timer (2sec.)

Controller connection.

Symbol	No.	Function	PAC-204RC terminal no.
TB3	1	Power (Active)	24VAC(L)
	2,3	Cooling operation	2:COMP1 3:COMP2
	4	Fan operation	FAN HI
	5	Power (Neutral)	24VAC (N)

Note: 1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. In case of power supply 380V AC model Tr wiring.

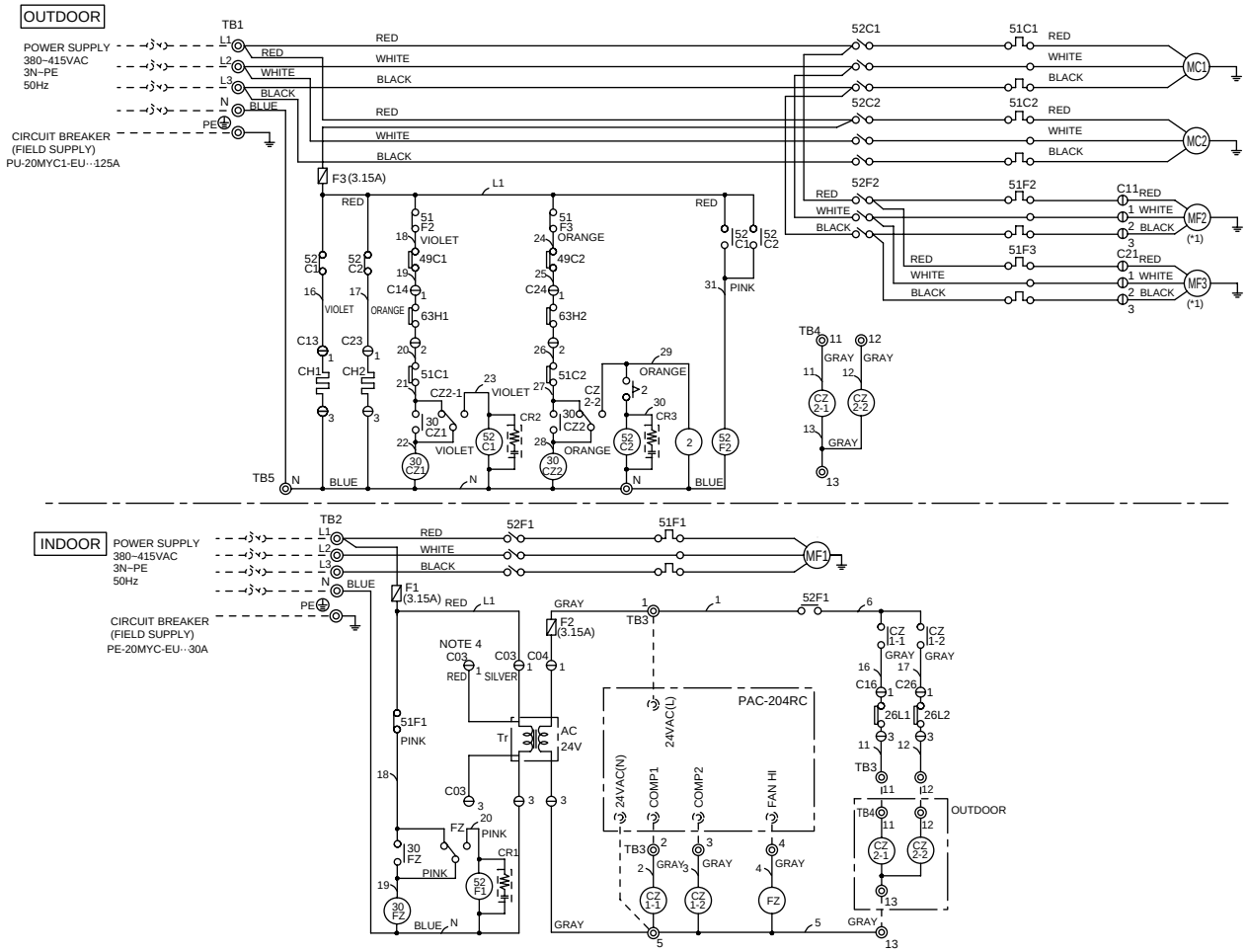


5. Specification subject to change without notice.

Caution,

1. To protect each fan motor and compressor from abnormal current, over current relays <51C1,2>, <51F1,2> are installed. Therefore, do not change factory set value of over current relays.
2. This timer <2> installed because the power supply breaker may operate if two compressors start at the same time.
3. Do not change factory set value of all timers.
4. This motor (*1) includes auto reset type internal thermostat.

PE-20MYC-EU/PU-20MYC1-EU (STANDARD)

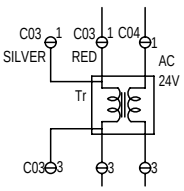


Symbol	Name
MC1,2	Compressor motor
MF1	Fan motor (indoor)
MF2,3	Fan motor (outdoor)(*1)
52C1,2	Contactor (compressor)
52F1	Contactor (fan I/D)
52F2	Contactor (fan O/D)
TB1~5	Terminal block
CH1,2	Crankcase heater
F1~3	Fuse (3.15A)
Tr	Transformer
49C1,2	Internal thermostat(compressor)
51C1,2	Over current relay(compressor)
51F1	Over current relay(fanI/D)
51F2,3	Over current relay(fanO/D)
63H1,2	High-pressure switch
26L1,2	Thermostat(freeze protection)
FZ	Auxiliary relay (fan)
30FZ	Auxiliary relay (fan)
CZ1-1,2/2-1,2	Auxiliary relay
30CZ1,2	Auxiliary relay (check)
C03,04,11,13,14, 16,21,23,24,26	Connector
CR1~3	Surge killer
2	Timer (2sec.)

Controller connection.

Symbol	No.	Function	PAC-204RC terminal no.
TB3	1	Power (Active)	24VAC(L)
	2,3	Cooling operation	2:COMP1 3:COMP2
	4	Fan operation	FAN HI
	5	Power (Neutral)	24VAC (N)

Note: 1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. In case of power supply 380V AC model Tr wiring.

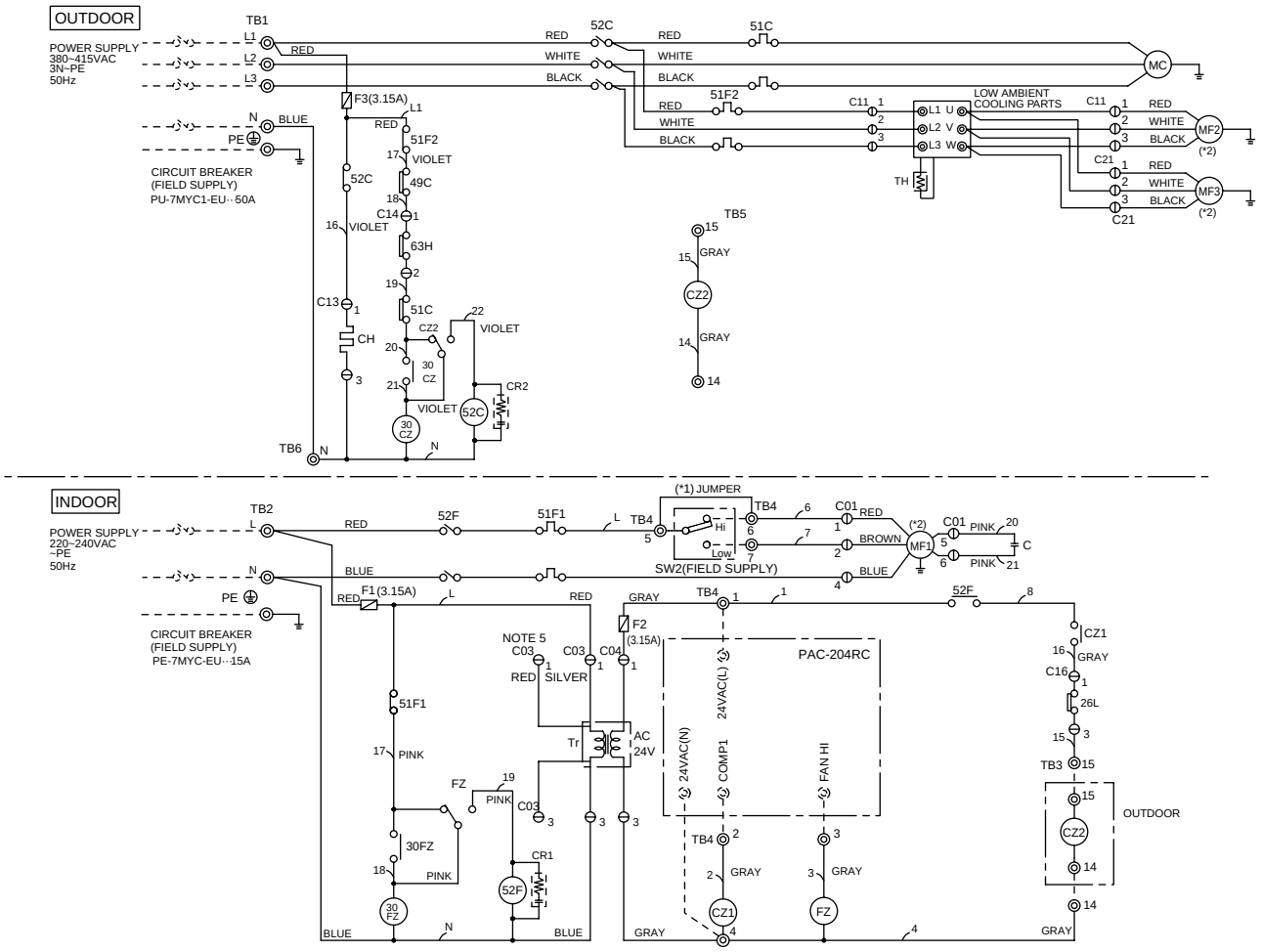


5. Specification subject to change without notice.

Caution,

1. To protect each fan motor and compressor from abnormal current, over current relays <51C1,2>,<51F1,2> are installed. Therefore, do not change factory set value of over current relays.
2. This timer <2> installed because the power supply breaker may operate if two compressors start at the same time.
3. Do not change factory set value of all timers.
4. This motor (*1) includes auto reset type internal thermostat.

PE-7MYC-EU / PU-7MYC1-EU
(SPECIAL ORDER : LOW AMBIENT COOLING)

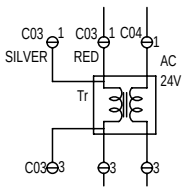


Symbol	Name
MC	Compressor motor
MF1	Fan motor (indoor)(*2)
MF2,3	Fan motor (outdoor)(*2)
52C	Contactor (compressor)
52F	Contactor (fan I/D)
TB1~6	Terminal block
CH	Crankcase heater
F1~3	Fuse (3.15A)
Tr	Transformer
49C	Internal thermostat (compressor)
51C	Over current relay (compressor)
51F1,2	Over current relay(fanI/D,O/D)
63H	High-pressure switch
26L	Thermostat (compressor)
FZ	Auxiliary relay (fan)
CZ1,2	Auxiliary relay (compressor)
30CZ,FZ	Auxiliary relay (check)
SW1	Switch (Fan Hi-Low)
C	Run capacitor
C01,03,04,11, 13,14,16,21	Connector
CR1,2	Surge killer

Controller connection.

Symbol	No.	Function	PAC-204RC terminal no.
TB4	1	Power (Active)	24VAC(L)
	2	Cooling operation	COMP1
	3	Fan operation	FAN HI
	4	Power (Neutral)	24VAC (N)

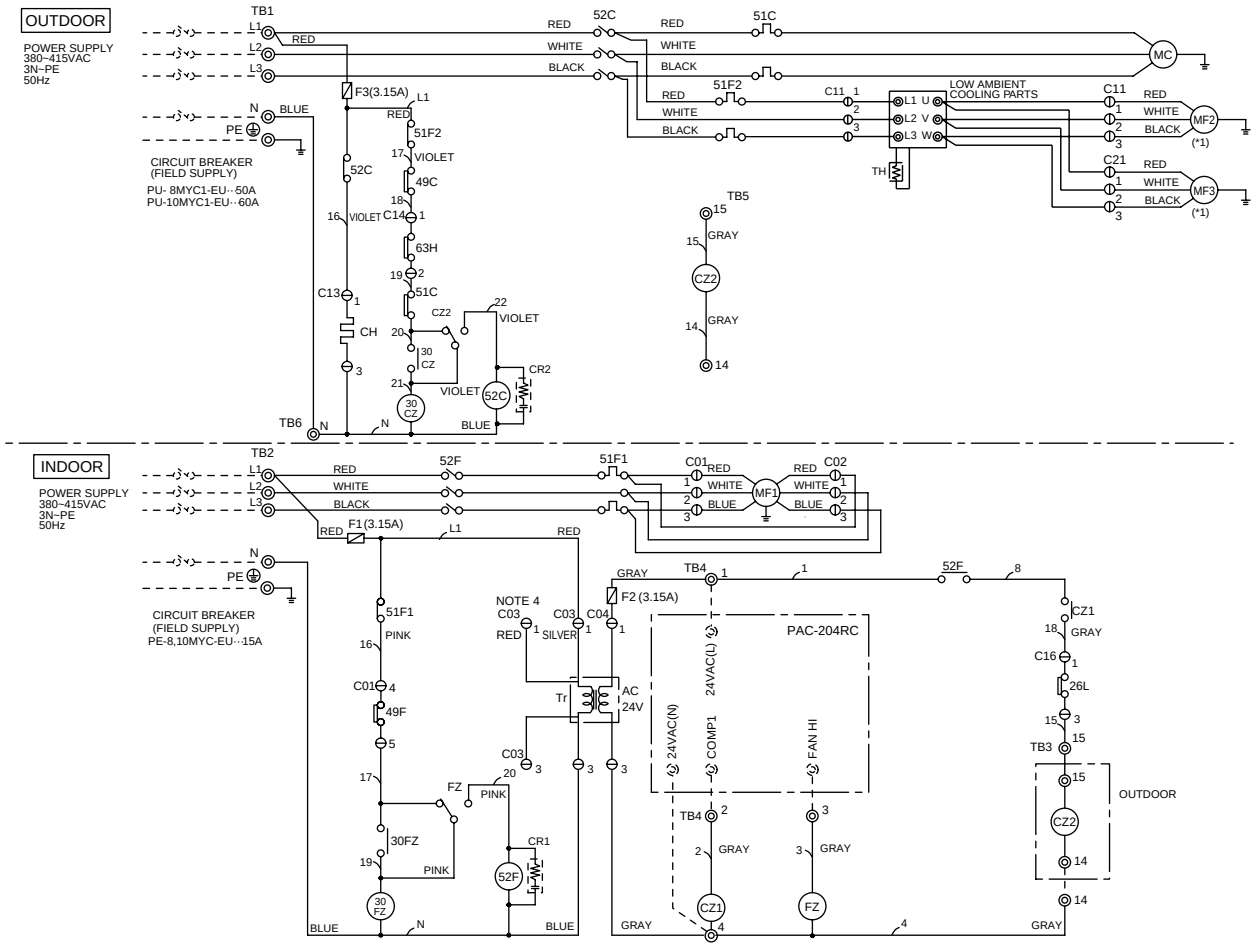
Note: 1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. Please remove the jumper wire ((*1) Mark) in the left diagram if you use the switch <SW1> at local.
If the switch <SW1> is not used, the fan motor (indoor) drives at high speed.
5. In case of power supply 220V AC model Tr wiring.



6. Specification subject to change without notice.

Caution,
1. To protect each fan motor and compressor from abnormal current, over current relays <51C>, <51F1,2> are installed. Therefore, do not change factory set value of over current relays.
2. This motor (*2) includes auto reset type internal thermostat.

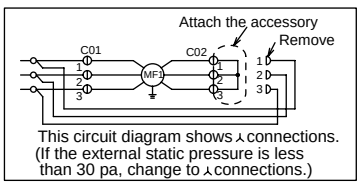
PE-8,10MYC-EU / PU-8,10MYC1-EU
(SPECIAL ORDER : LOW AMBIENT COOLING)



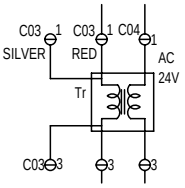
Symbol	Name
MC	Compressor motor
MF1	Fan motor (indoor)
MF2,3	Fan motor (outdoor)(*1)
52C	Contactor (compressor)
52F	Contactor (fan I/D)
TB1~6	Terminal block
CH	Crankcase heater
F1~3	Fuse (3.15A)
Tr	Transformer
49F	Internal thermostat(indoor fan)
49C	Internal thermostat(compressor)
51C	Over current relay(compressor)
51F1,2	Over current relay(fanI/D,O/D)
63H	High-pressure switch
26L	Thermostat(freeze pretection)
FZ	Auxiliary relay (fan)
CZ1,2	Auxiliary relay (compressor)
30CZ,FZ	Auxiliary relay (check)
C01~04,11, 13,14,16,21	Connector
CR1,2	Surge killer

Controller connection.

Symbol	No.	Function	PAC-204RC terminal no.
TB4	1	Power (Active)	24VAC(L)
	2	Cooling operation	COMP1
	3	Fan operation	FAN HI
	4	Power (Neutral)	24VAC (N)



Note: 1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. In case of power supply 380V AC model Tr wiring.

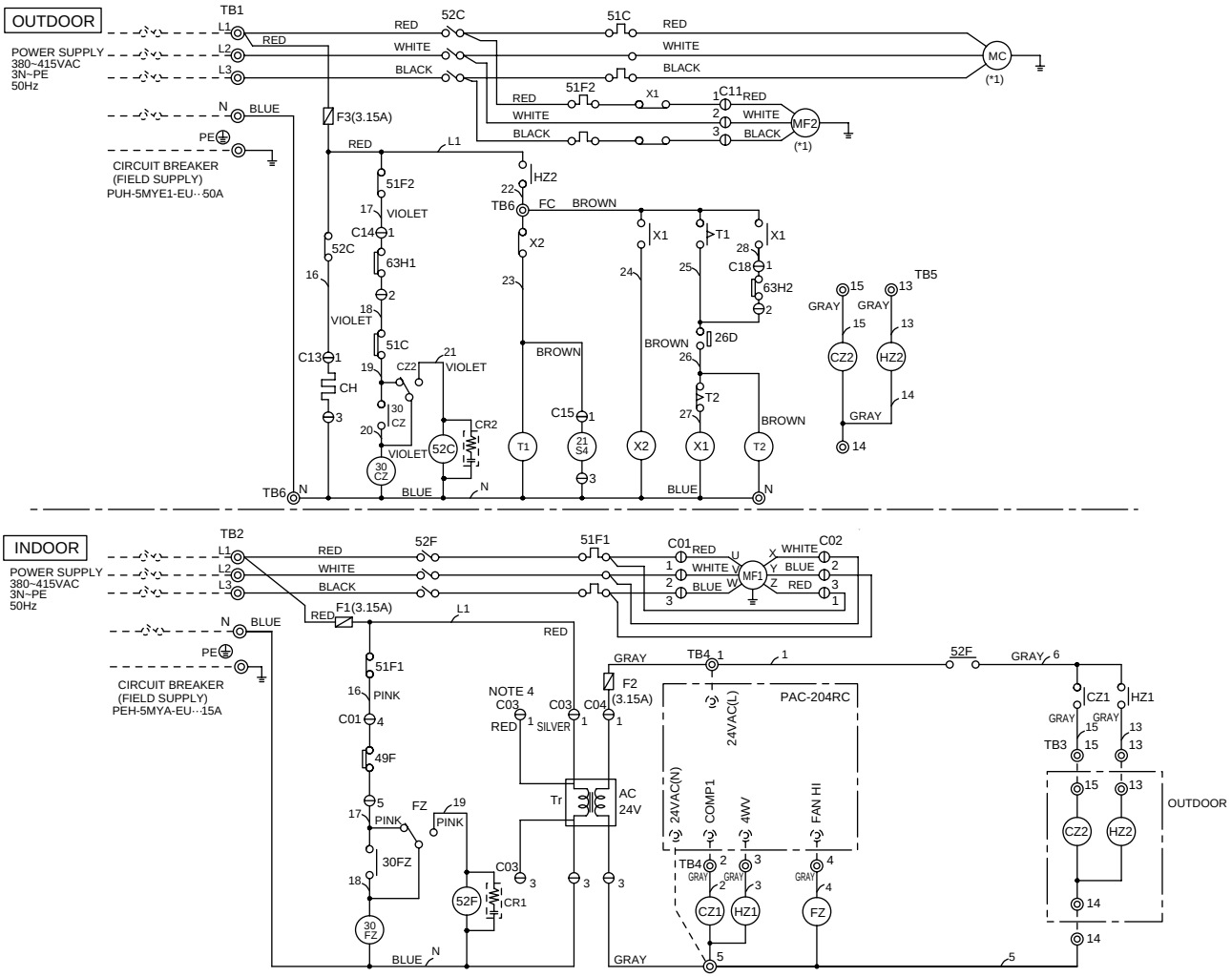


5. Specification subject to change without notice.

Caution,

1. To protect each fan motor and compressor from abnormal current, over current relays<51C>, <51F1,2> are installed. Therefore, do not change factory set value of over current relays.
2. This motor (*1) includes auto reset type internal thermostat.

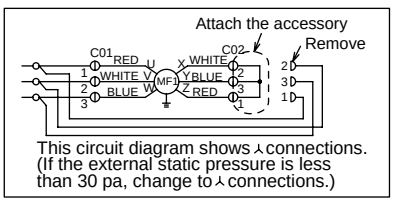
PEH-5MYA-EU/PUH-5MYE1-EU (STANDARD)



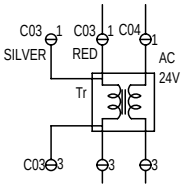
Symbol	Name	Symbol	Name
MC	Compressor motor(*1)	21S4	4-Way valve
MF1	Fan motor (indoor)	FZ	Auxiliary relay (fan)
MF2	Fan motor (outdoor)(*1)	CZ1,2	Auxiliary relay (compressor)
52C	Contactor (compressor)	HZ1,2	Auxiliary relay (4-way valve)
52F	Contactor (fan I/D)	30CZ,30FZ	Auxiliary relay (check)
TB1~6	Terminal block	X1	Contactor (fan O/D)
CH	Crankcase heater	X2	Auxiliary relay (defrost)
F1~3	Fuse (3.15A)	C01~04,11 13~15,18	Connector
Tr	Transformer		
49F	Internal thermostat(fan I/D)	T1	Timer
51C	Over current relay(compressor)	T2	Timer
51F1	Over current relay(fan I/D)	CR1,2	Surge killer
51F2	Over current relay(fan O/D)		
63H1	High-pressure switch		
63H2	High-pressure switch (defrost)		
26D	Thermostat (defrost)		

Controller connection.

Symbol	No.	Function	PAC-204RC terminal no.
TB4	1	Power (Active)	24VAC(L)
	2	Cooling or Heating operation	COMP1
	3	Revercing Valve for Heating operation	4WV
	4	Fan operation	FAN HI
	5	Power (Neutral)	24VAC(N)



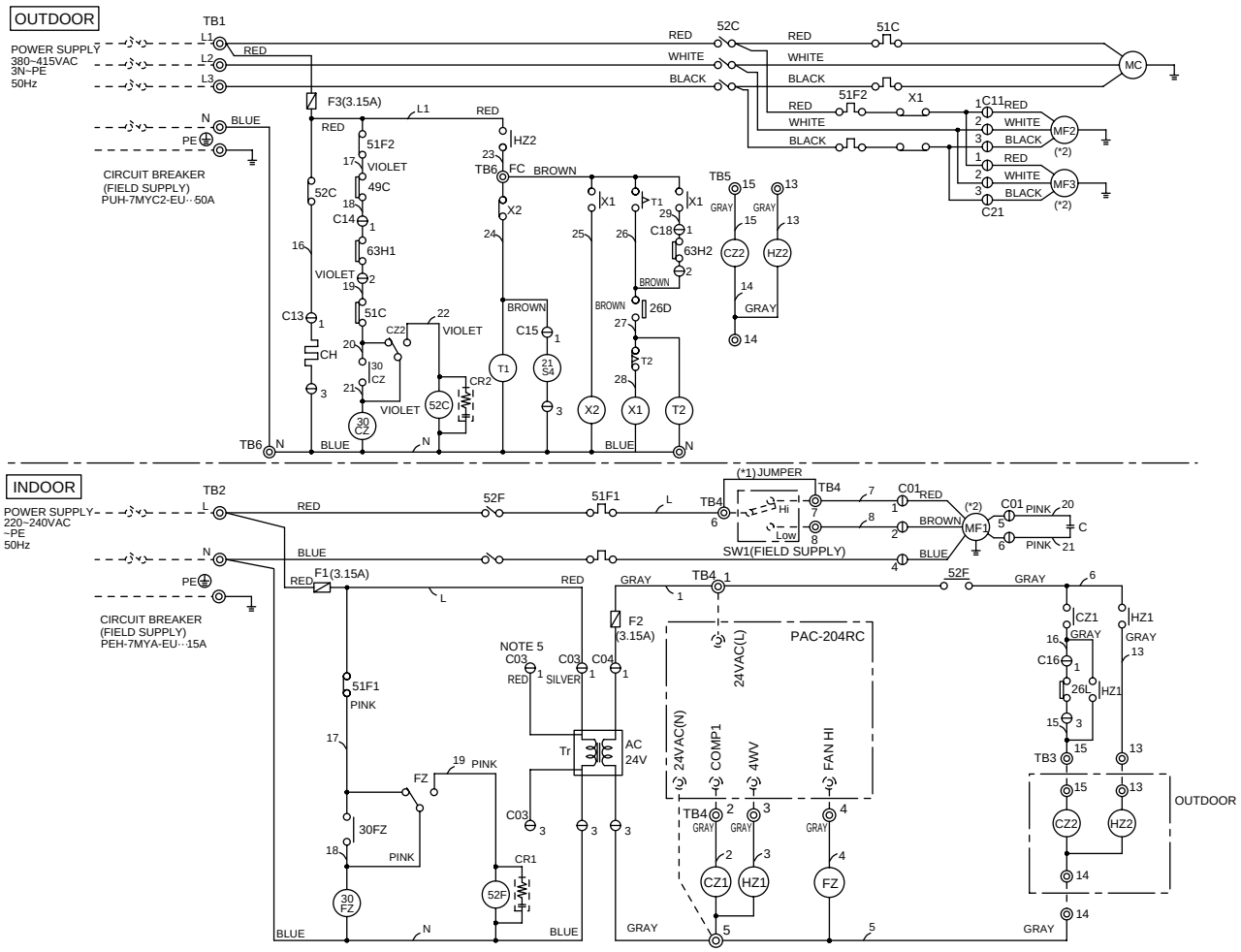
Note: 1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. In case of power supply 380V AC model Tr wiring.



5. Specification subject to change without notice.

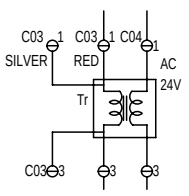
Caution,
1. To protect each fan motor and compressor from abnormal current,over current relays<51C>,<51F1,2> are installed. Therefore,do not change factory set value of over current relays.
2. Do not change factory set value of timer.
3. This motor (*1) includes auto reset type internal thermostat.

PEH-7MYA-EU/ PUH-7MYC2-EU (STANDARD)



Symbol	Name	Symbol	Name
MC	Compressor motor	21S4	4-Way valve
MF1	Fan motor (indoor)(*2)	FZ	Auxiliary relay (fan)
MF2,3	Fan motor (outdoor)(*2)	CZ1,2	Auxiliary relay (compressor)
52C	Contactor (compressor)	HZ1,2	Auxiliary relay (4-way valve)
52F	Contactor (fan I/D)	30CZ,30FZ	Auxiliary relay (check)
TB1~6	Terminal block	X1	Contactor (fan O/D)
CH	Crankcase heater	X2	Auxiliary relay (defrost)
F1~3	Fuse (3.15A)	<SW1>	Switch (Fan Hi-Low)
Tr	Transformer	C01,03,04,11	Connector
49C	Internal thermostat(compressor)	13~16,18,21	
51C	Over current relay(compressor)	T1	Timer
51F1	Over current relay(fanI/D)	T2	Timer
51F2	Over current relay(fanO/D)	CR1,2	Surge killer
63H1	High-pressure switch	C	Run capacitor
63H2	High-pressure switch (defrost)		
26L	Thermostat(freeze protection)		
26D	Thermostat (defrost)		

Note:1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. Please remove the jumper wire [(*1) Mark] in the left diagram if you use the switch <SW1> at local. If the switch <SW1> is not used, the fan motor (indoor) drives at higi speed.
5. In case of power supply 220V AC model Tr wiring.



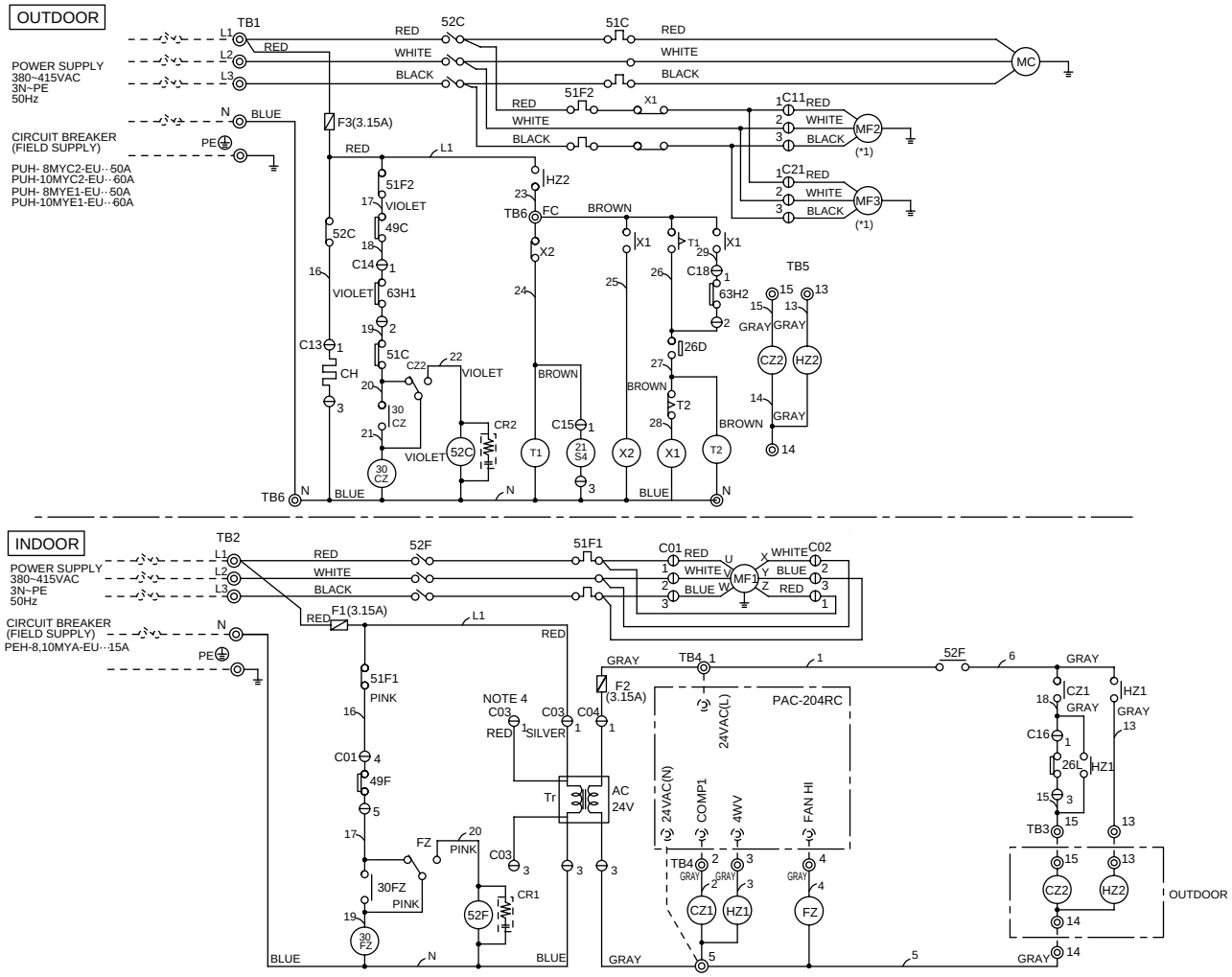
6. Specification subject to change without notice.

Controller connection.

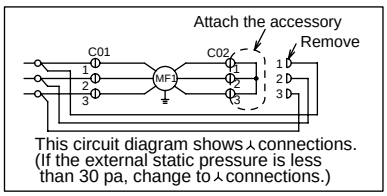
Symbol	No.	Function	PAC-204RC terminal no.
TB4	1	Power (Active)	24VAC(L)
	2	Cooling or Heating operation	COMP1
	3	Revercing Valve for Heating operation	4WV
	4	Fan operation	FAN HI
	5	Power (Neutral)	24VAC(N)

Caution,
1. To protect each fan motor and compressor from abnormal current, over current relays<51C>,<51F1,2> are installed. Therefore, do not change factory set value of over current relays.
2. Do not change factory set value of timer.
3. This motor (*2) includes auto reset type internal thermostat.

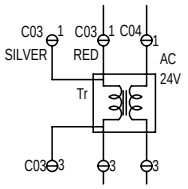
PEH-8,10MYA-EU/PUH-8,10MYC2-EU (STANDARD)
PEH-8,10MYA-EU/PUH-8,10MYE1-EU



Symbol	Name	Symbol	Name
MC	Compressor motor	26D	Thermostat (defrost)
MF1	Fan motor (indoor)	21S4	4-Way valve
MF2,3	Fan motor (outdoor)(*1)	FZ	Auxiliary relay (fan)
52C	Contactor (compressor)	CZ1,2	Auxiliary relay (compressor)
52F	Contactor (fan I/D)	HZ1,2	Auxiliary relay (4-way valve)
TB1~6	Terminal block	30CZ,30FZ	Auxiliary relay (check)
CH	Crankcase heater	X1	Contactor (fan O/D)
F1~3	Fuse (3.15A)	X2	Auxiliary relay (defrost)
Tr	Transformer	C01~04,11, 13~16,18,21	Connector
49F	Internal thermostat(indoor fan)		
49C	Internal thermostat(compressor)	T1	Timer
51C	Over current relay(compressor)	T2	Timer
51F1	Over current relay(fan I/D)	CR1,2	Surge killer
51F2	Over current relay(fan O/D)		
63H1	High-pressure switch		
63H2	High-pressure switch (defrost)		
26L	Thermostat(freeze protection)		



Note: 1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. In case of power supply 380V AC model Tr wiring.



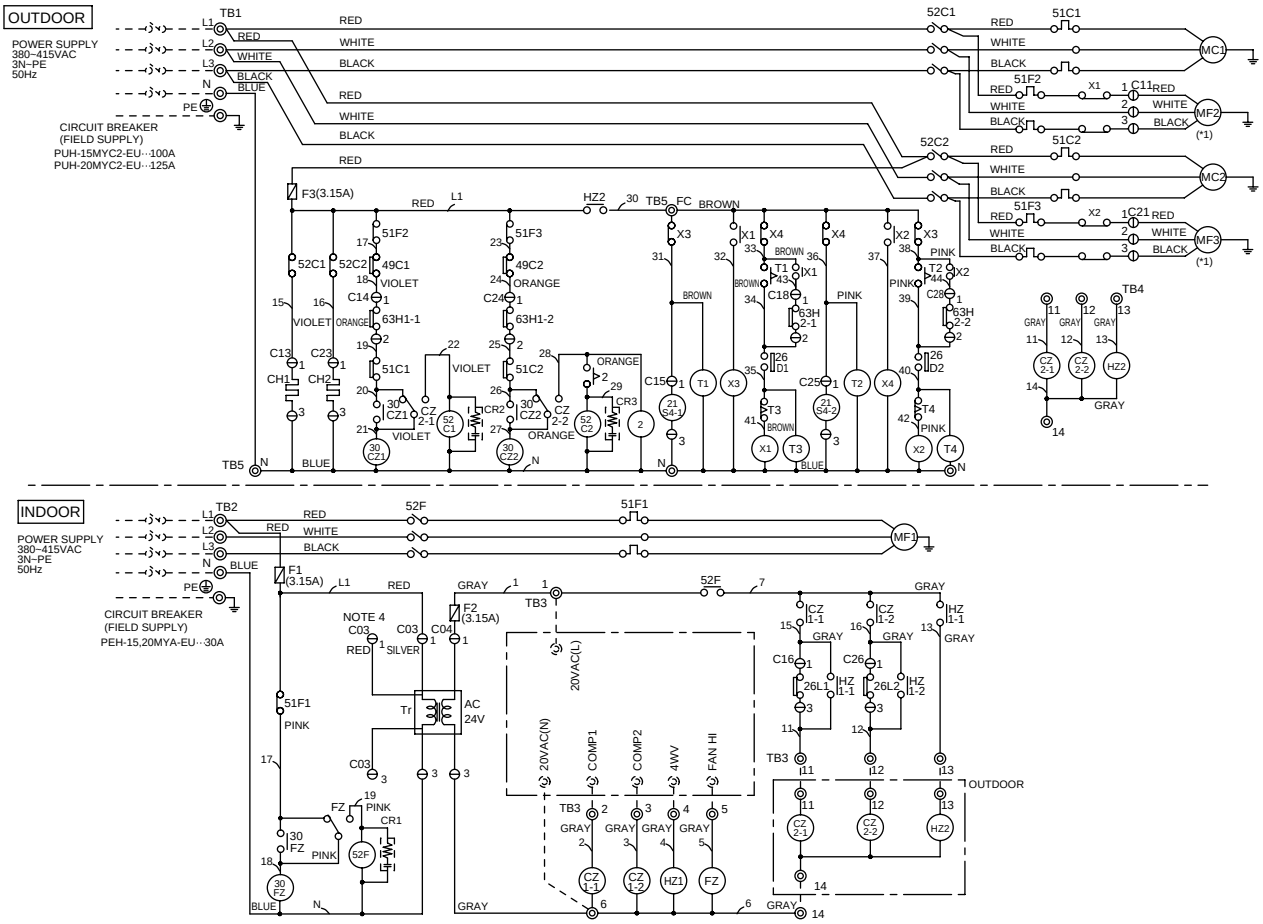
5. Specification subject to change without notice.

Controller connection.

Symbol	No.	Function	PAC-204RC terminal no.
TB4	1	Power (Active)	24VAC(L)
	2	Cooling or Heating operation	COMP1
	3	Revercing Valve for Heating operation	4WV
	4	Fan operation	FAN HI
	5	Power (Neutral)	24VAC(N)

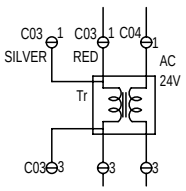
Caution,
1. To protect each fan motor and compressor from abnormal current, over current relays<51C>,<51F1,2> are installed. Therefore, do not change factory set value of over current relays.
2. Do not change factory set value of timer.
3. This motor (*1) includes auto reset type internal thermostat.

PEH-15,20MYA-EU/PUH-15,20MYC2-EU (STANDARD)



Symbol	Name
MC1,2	Compressor motor
MF1	Fan motor (indoor)
MF2,3	Fan motor (outdoor)(*1)
52C1,2	Contactor (compressor)
52F	Contactor (fan I/D)
TB1~5	Terminal block
CH1,2	Crankcase heater
F1~3	Fuse (3.15A)
Tr	Transformer
49C1,2	Internal thermostat(compressor)
51C1,2	Over current relay(compressor)
51F1	Over current relay(fanI/D)
51F2,3	Over current relay(fanO/D)
63H1-1,1-2	High-pressure switch
63H2-1,2-2	High-pressure switch (defrost)
26L1,2	Thermostat(freeze protection)
26D1,2	Thermostat (defrost)
21S4-1,2	4-Way valve
FZ	Auxiliary relay (fan)
30FZ	Auxiliary relay (fan)
CZ1-1,2/2-1,2	Auxiliary relay
HZ1-1,2/2	Auxiliary relay (heater)
30CZ1,2	Auxiliary relay (check)
X1,2	Contactor (fan O/D)
X3,4	Auxiliary relay (defrost)
C03,04,11,13~16, 18,21,23~26,28	Connector
T1,2	Timer
T3,4	Timer
2	Timer (2sec.)
CR1~3	Surge killer

Note: 1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. In case of power supply 380V AC model Tr wiring.



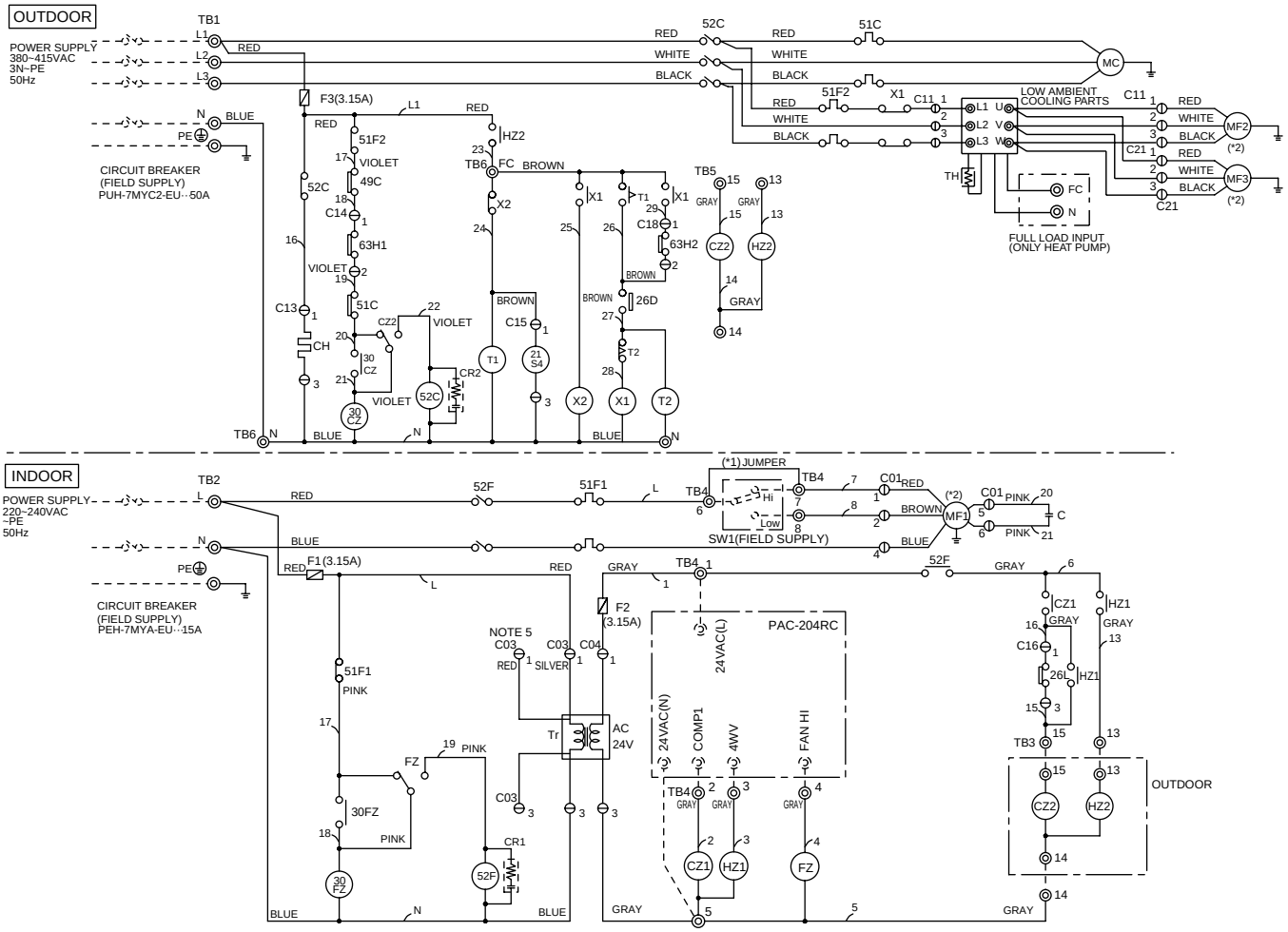
5. Specification subject to change without notice.

Caution,
1. To protect each fan motor and compressor from abnormal current, over current relays <51C1,2>, <51F1,2,3> are installed. Therefore, do not change factory set value of over current relays.
2. Timers<T1,2> are installed for defrost control.
3. This timer <2> installed because the power supply breaker may operate two compressors start at the same time.
4. Do not change factory set value of all timers.
5. This motor (*1) includes auto reset type internal thermostat.

Controller connection.

Symbol	No.	Function	PAC-204RC terminal no.
TB3	1	Power (Active)	24VAC(L)
	2	Cooling or Heating operation	COMP1
	3	Cooling or Heating operation	COMP2
	4	Revercing Valve for Heating operation	4WV
	5	Fan operation	FAN HI
	6	Power (Neutral)	24VAC(N)

PEH-7MYA-EU / PUH-7MYC2-EU
(SPECIAL ORDER : LOW AMBIENT COOLING)

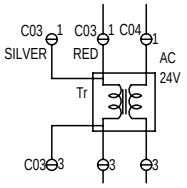


Symbol	Name	Symbol	Name
MC	Compressor motor	21S4	4-Way valve
MF1	Fan motor (indoor)(*2)	FZ	Auxiliary relay (fan)
MF2,3	Fan motor (outdoor)(*2)	CZ1,2	Auxiliary relay (compressor)
52C	Contactor (compressor)	HZ1,2	Auxiliary relay (4-way valve)
52F	Contactor (fan I/D)	30CZ,30FZ	Auxiliary relay (check)
TB1~6	Terminal block	X1	Contactor (fan O/D)
CH	Crankcase heater	X2	Auxiliary relay (defrost)
F1~3	Fuse (3.15A)	<SW1>	Switch (Fan Hi-Low)
Tr	Transformer	C01,03,04,11	Connector
49C	Internal thermostat(compressor)	13~16,18,21	
51C	Over current relay(compressor)	T1	Timer
51F1	Over current relay(fanI/D)	T2	Timer
51F2	Over current relay(fanO/D)	CR1,2	Surge killer
63H1	High-pressure switch	C	Run capacitor
63H2	High-pressure switch (defrost)		
26L	Thermostat(freeze protection)		
26D	Thermostat (defrost)		

Controller connection.

Symbol	No.	Function	PAC-204RC terminal no.
TB4	1	Power (Active)	24VAC(L)
	2	Cooling or Heating operation	COMP1
	3	Revercing Valve for Heating operation	4WV
	4	Fan operation	FAN HI
	5	Power (Neutral)	24VAC(N)

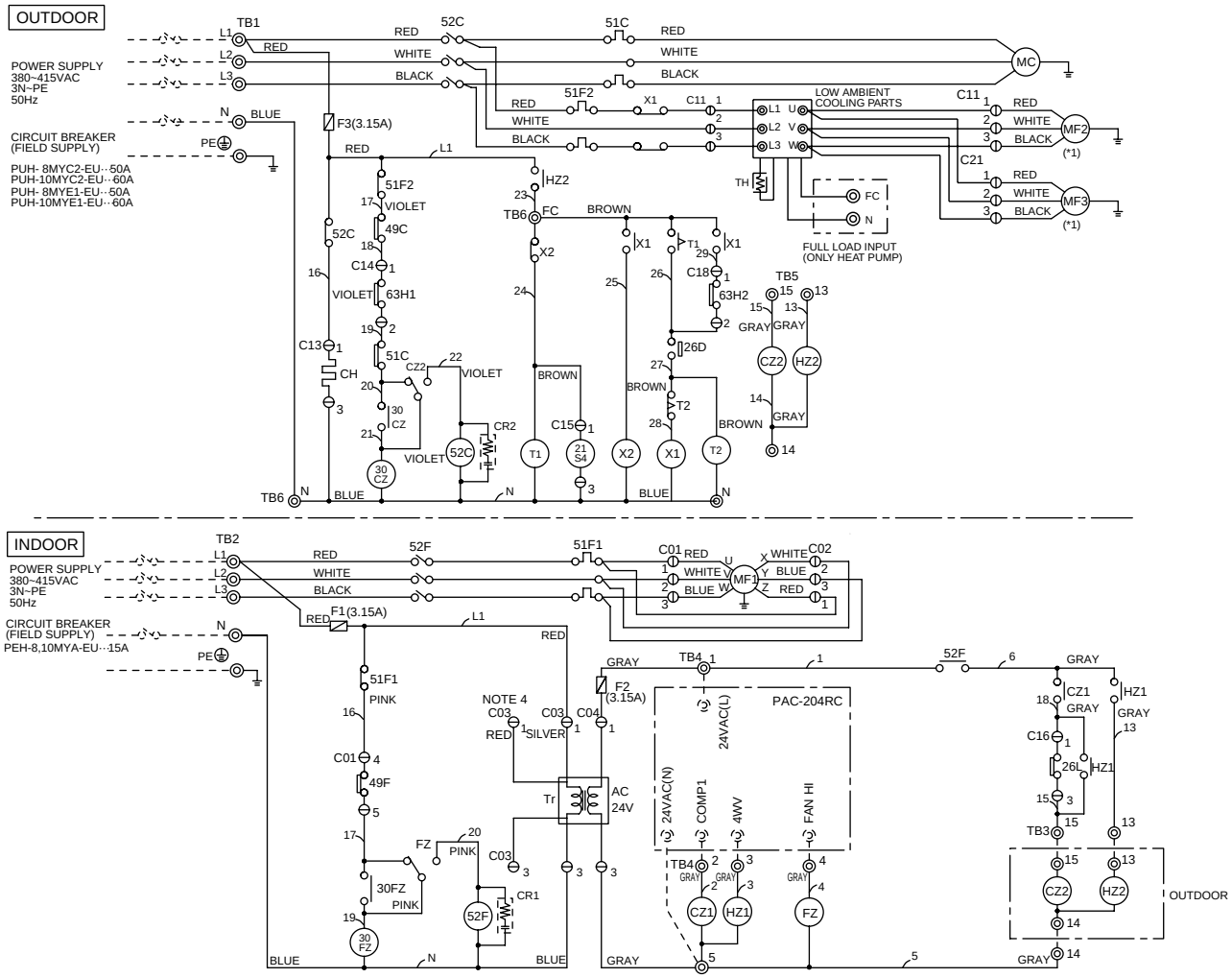
Note:1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. Please remove the jumper wire [(*1) Mark] in the left diagram if you use the switch <SW1> at local. If the switch <SW1> is not used, the fan motor (indoor) drives at higi speed.
5. In case of power supply 220V AC model Tr wiring.



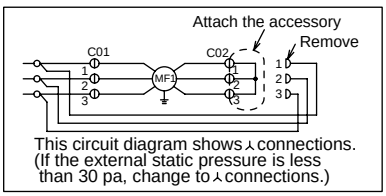
6. Specification subject to change without notice.

Caution,
1. To protect each fan motor and compressor from abnormal current, over current relays<51C>,<51F1,2> are installed. Therefore, do not change factory set value of over current relays.
2. Do not change factory set value of timer.
3. This motor (*2) includes auto reset type internal thermostat.

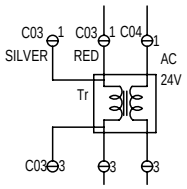
PEH-8,10MYA-EU / PUH-8,10MYE1-EU
PEH-8,10MYA-EU / PUH-8,10MYC2-EU
(SPECIAL ORDER : LOW AMBIENT COOLING)



Symbol	Name	Symbol	Name
MC	Compressor motor	26D	Thermostat (defrost)
MF1	Fan motor (indoor)	21S4	4-Way valve
MF2,3	Fan motor (outdoor)(*1)	FZ	Auxiliary relay (fan)
52C	Contactor (compressor)	CZ1,2	Auxiliary relay (compressor)
52F	Contactor (fan I/D)	HZ1,2	Auxiliary relay (4-way valve)
TB1~6	Terminal block	30CZ,30FZ	Auxiliary relay (check)
CH	Crankcase heater	X1	Contactor (fan O/D)
F1~3	Fuse (3.15A)	X2	Auxiliary relay (defrost)
Tr	Transformer	C01~04,11, 13~16,18,21	Connector
49F	Internal thermostat(indoor fan)		
49C	Internal thermostat(compressor)	T1	Timer
51C	Over current relay(compressor)	T2	Timer
51F1	Over current relay(fan I/D)	CR1,2	Surge killer
51F2	Over current relay(fan O/D)		
63H1	High-pressure switch		
63H2	High-pressure switch (defrost)		
26L	Thermostat(freeze protection)		



Note: 1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. In case of power supply 380V AC model Tr wiring.



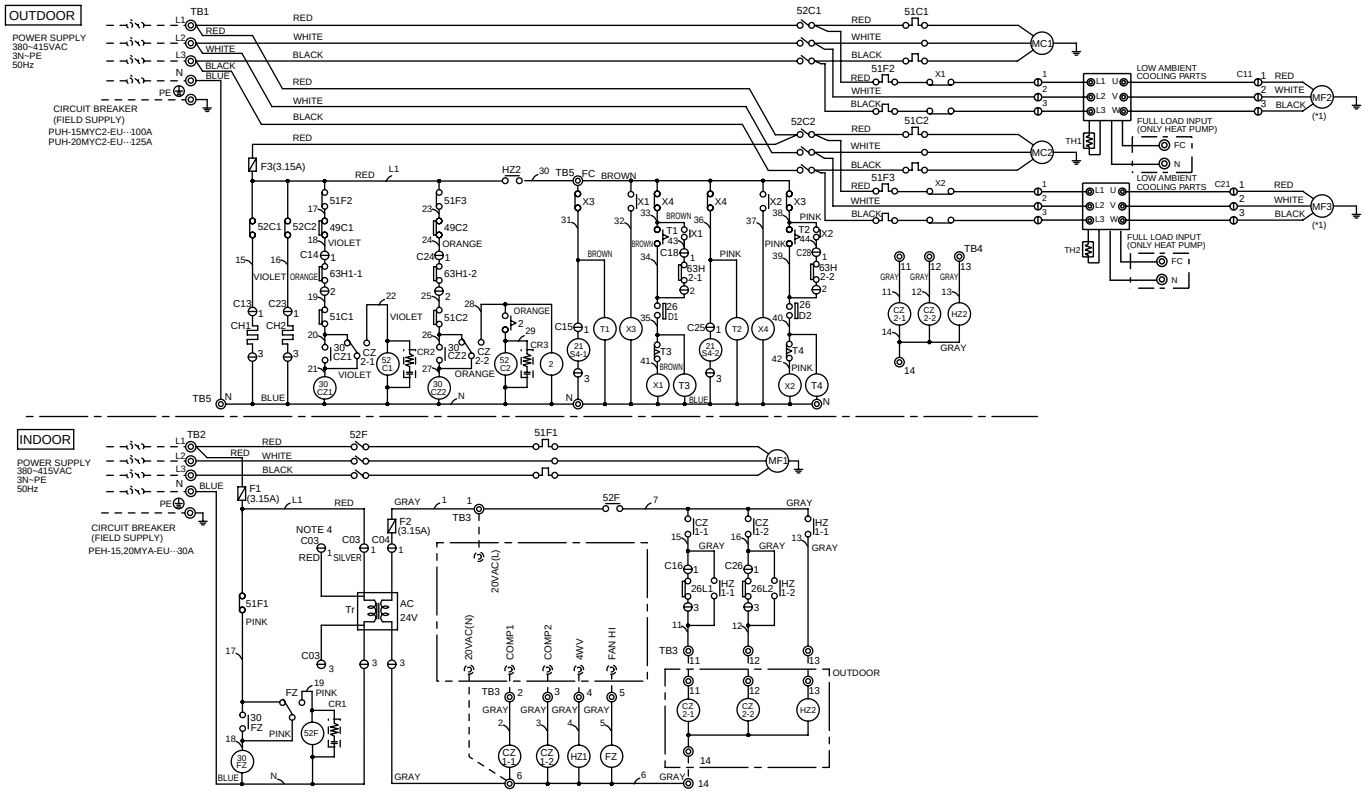
5. Specification subject to change without notice.

Controller connection.

Symbol	No.	Function	PAC-204RC terminal no.
TB4	1	Power (Active)	24VAC(L)
	2	Cooling or Heating operation	COMP1
	3	Revercing Valve for Heating operation	4WV
	4	Fan operation	FAN HI
	5	Power (Neutral)	24VAC(N)

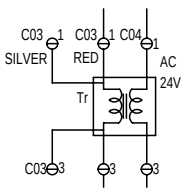
Caution,
1. To protect each fan motor and compressor from abnormal current, over current relays<51C>,<51F1,2> are installed. Therefore, do not change factory set value of over current relays.
2. Do not change factory set value of timer.
3. This motor (*1) includes auto reset type internal thermostat.

PEH-15,20MYA-EU / PUH-15,20MYC2-EU
(SPECIAL ORDER : LOW AMBIENT COOLING)



Symbol	Name
MC1,2	Compressor motor
MF1	Fan motor (indoor)
MF2,3	Fan motor (outdoor)(*1)
52C1,2	Contactor (compressor)
52F	Contactor (fan I/D)
TB1~5	Terminal block
CH1,2	Crankcase heater
F1~3	Fuse (3.15A)
Tr	Transformer
49C1,2	Internal thermostat(compressor)
51C1,2	Over current relay(compressor)
51F1	Over current relay(fanI/D)
51F2,3	Over current relay(fanO/D)
63H1-1,1-2	High-pressure switch
63H2-1,2-2	High-pressure switch (defrost)
26L1,2	Thermostat(freeze protection)
26D1,2	Thermostat (defrost)
21S4-1,2	4-Way valve
FZ	Auxiliary relay (fan)
30FZ	Auxiliary relay (fan)
CZ1-1,2/2-1,2	Auxiliary relay
HZ1-1,2/2	Auxiliary relay (heater)
30CZ1,2	Auxiliary relay (check)
X1,2	Contactor (fan O/D)
X3,4	Auxiliary relay (defrost)
C03,04,11,13~16, 18,21,23~26,28	Connector
T1,2	Timer
T3,4	Timer
2	Timer (2sec.)
CR1~3	Surge killer

Note:1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. In case of power supply 380V AC model Tr wiring.



5. Specification subject to change without notice.

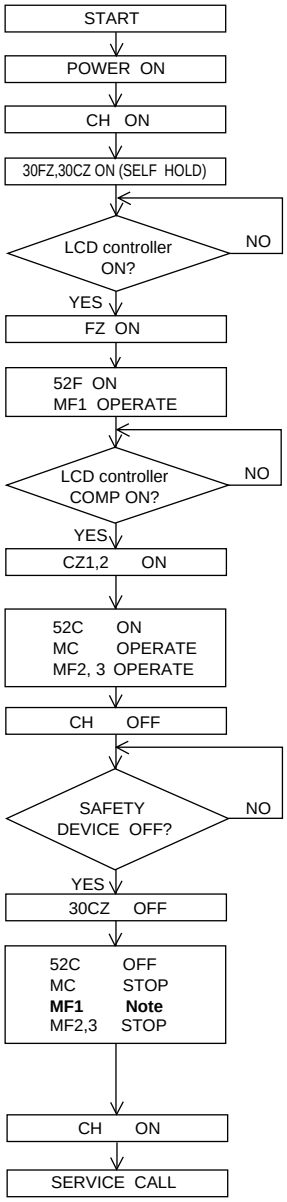
Caution,
1. To protect each fan motor and compressor from abnormal current, over current relays <51C1,2>, <51F1,2,3> are installed. Therefore, do not change factory set value of over current relays.
2. Timers<T1,2> are installed for defrost control.
3. This timer <2> installed because the power supply breaker may operate two compressors start at the same time.
4. Do not change factory set value of all timers.
5. This motor (*1) includes auto reset type internal thermostat.

Controller connection.

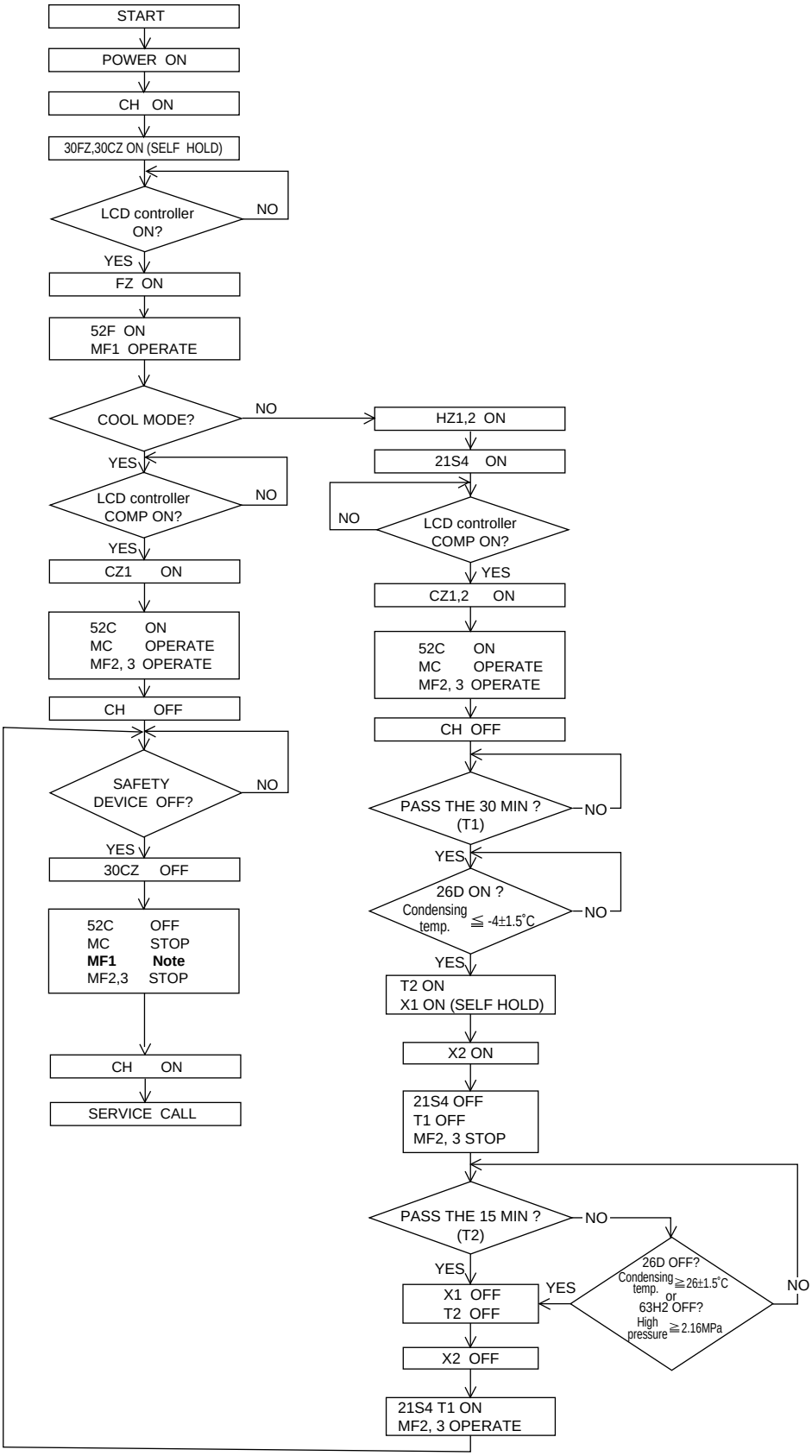
Symbol	No.	Function	PAC-204RC terminal no.
TB3	1	Power (Active)	24VAC(L)
	2	Cooling or Heating operation	COMP1
	3	Cooling or Heating operation	COMP2
	4	Revercing Valve for Heating operation	4WV
	5	Fan operation	FAN HI
	6	Power (Neutral)	24VAC(N)

ELECTRICAL OPERATION FLOW CHARTS

PE-7,8,10MYC-EU



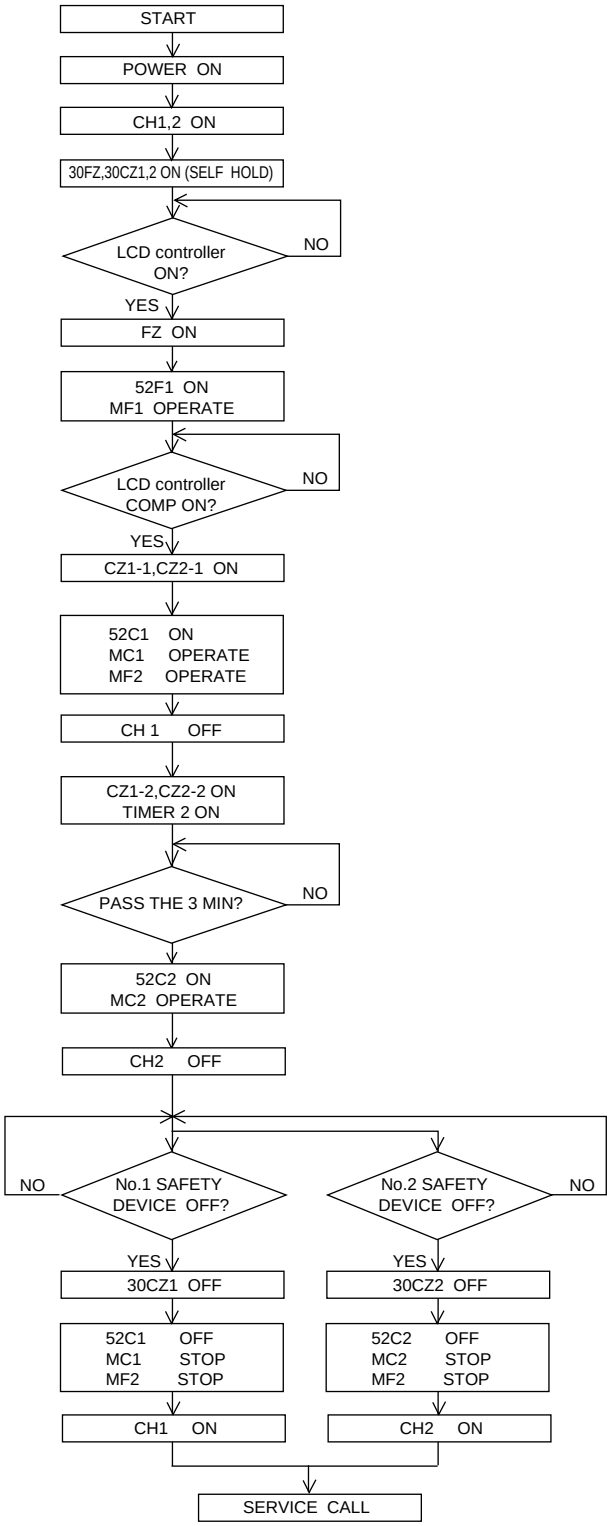
PEH-5MYA-EU, PEH-7,8,10MYA-EU



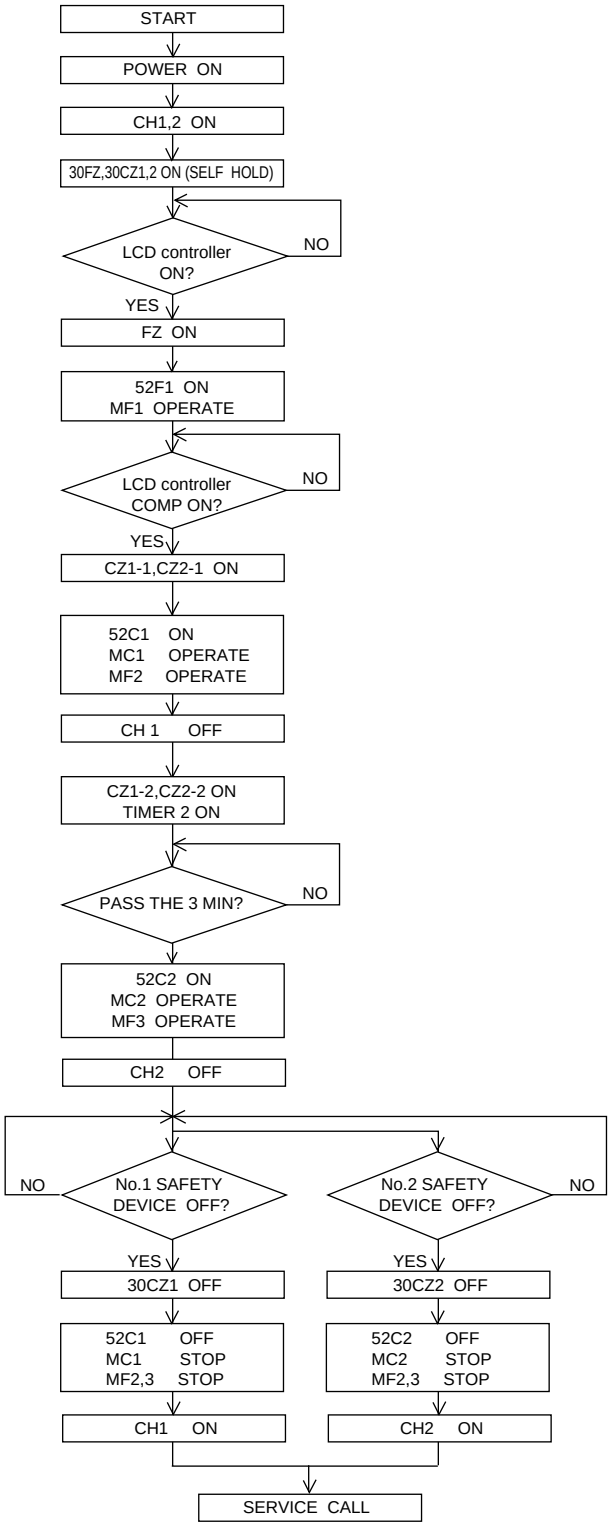
Note.

1. When the fault of outdoor unit is occurred, the fan(MF1) of indoor unit continues to work.
   But the unit doesn't work correctly (not cooling and heating).
   Then, turn off the power supply and check outdoor unit.

PE-15MYC1-EU



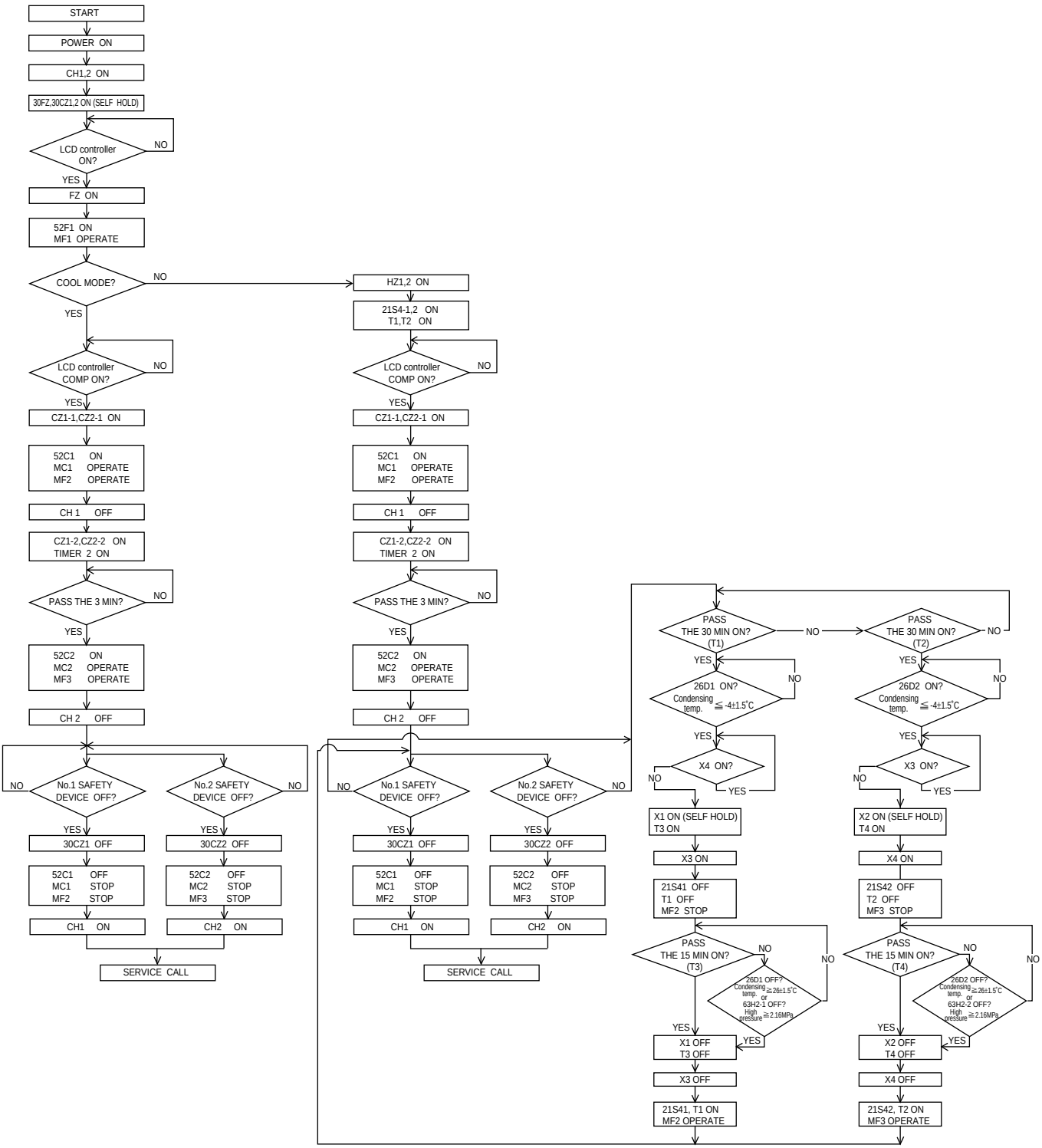
PE-20MYC-EU



Note:

When the fault of outdoor unit is occurred, the fan(MF1) of indoor unit continues to work.
But the unit doesn't work correctly (not cooling).
Then, turn off the power supply and check outdoor unit.
When the fault of indoor unit is occurred, both indoor unit and outdoor unit is stop.

PEH-15,20MYA-EU

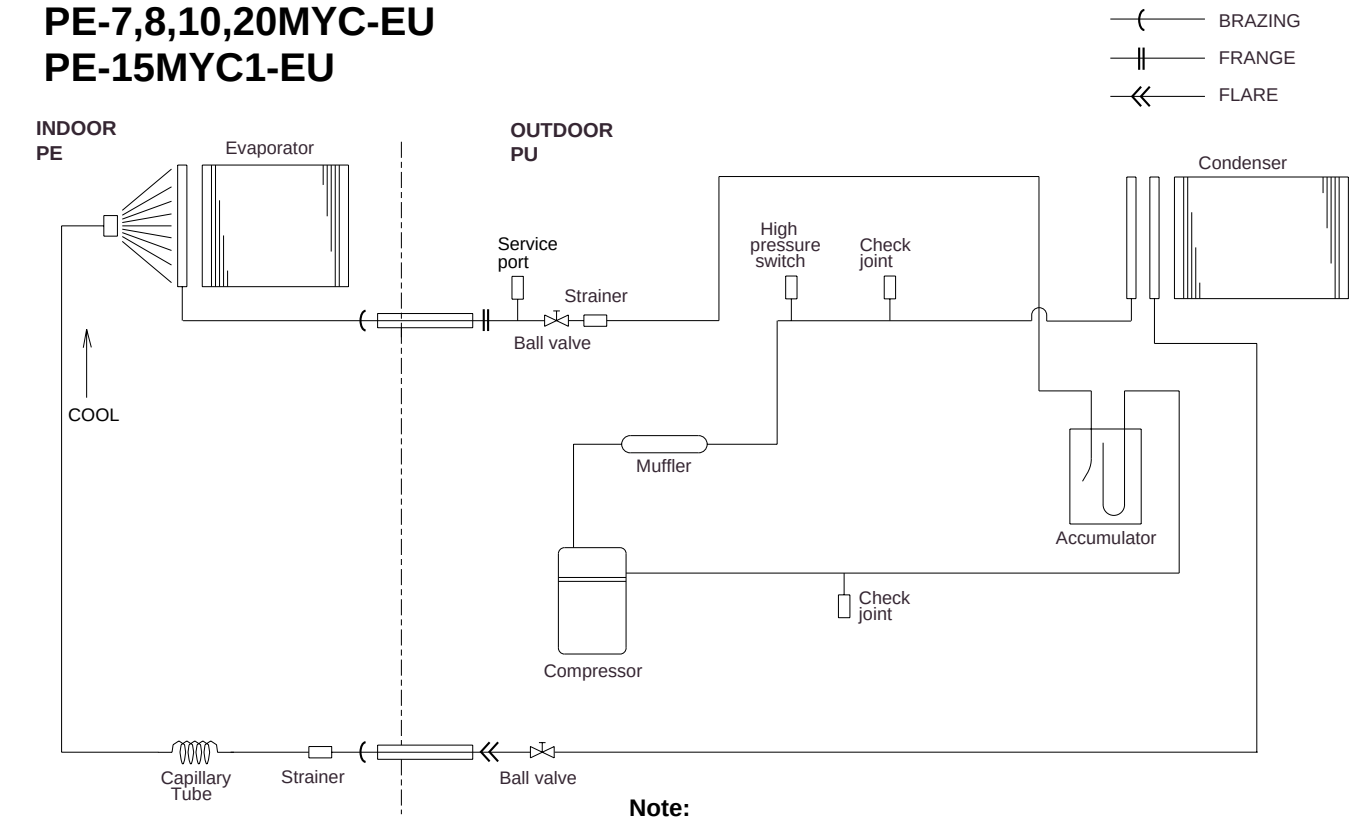


Note:

When the fault of outdoor unit is occurred, the fan(MF1) of indoor unit continues to work.
But the unit doesn't work correctly (not cooling).
Then, turn off the power supply and check outdoor unit.
When the fault of indoor unit is occurred, both indoor unit and outdoor unit is stop.

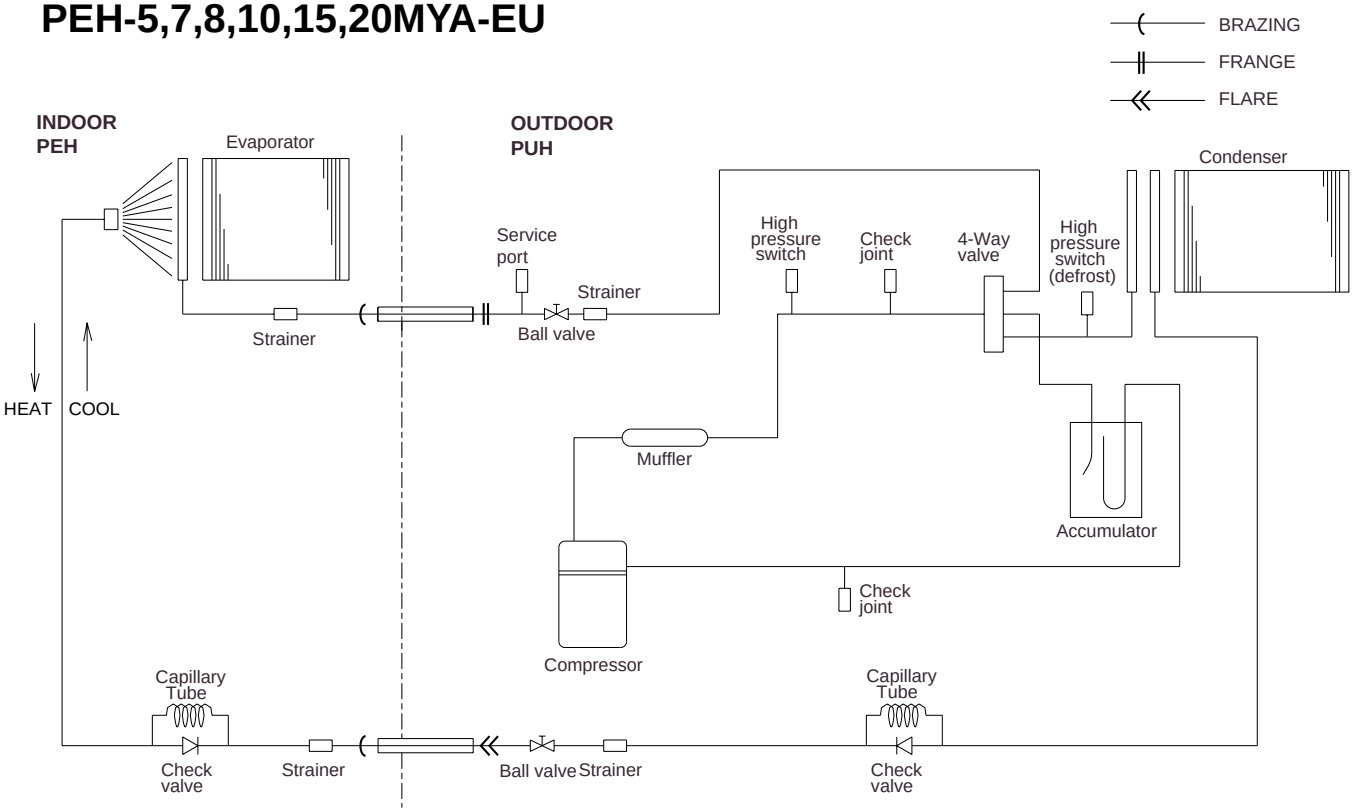
REFRIGERANT SCHEMATICS

PE-7,8,10,20MYC-EU
PE-15MYC1-EU



Note:
PE-15MYC1,20MYC-EU is comprised of two refrigerant cycles.

PEH-5,7,8,10,15,20MYA-EU



Note:
PEH-15,20MYA-EU is comprised of two refrigerant cycles.

SAFETY & CONTROL DEVICES

PE-7,8,10MYC-EU
PE-15MYC1-EU
PE-20MYC-EU

ITEM	NO.	PE-7MYC-EU PU-7MYC1-EU	PE-8MYC-EU PU-8MYC1-EU	PE-10MYC-EU PU-10MYC1-EU
COMPRESSOR OVER CURRENT RELAY	51C	19.0A	22.0A	31.0A
COMPRESSOR INTERNAL THERMOSTAT	49C	105 ± 5 °C OF83 ± 11 °C ON		
HIGH PRESSURE SWITCH	63H	2.94MPa OFF		
INDOOR FAN MOTOR OVER CURRENT RELAY	51F1	5.0A	3.5A	5.0A
INDOOR FAN MOTOR INTERNAL THERMOSTAT	-	150 °C OFF		
OUTDOOR FAN MOTOR OVER CURRENT RELAY	51F2	2.5A		
OUTDOOR FAN MOTOR INTERNAL THERMOSTAT	-	150 °C OFF		
FUSE	F1 ~3	3.15A		

ITEM	NO.	PE-15MYC1-EU PU-15MYC1-EU	PE-20MYC-EU PU-20MYC1-EU
COMPRESSOR OVER CURRENT RELAY	51C1,2	22.0A	31.0A
COMPRESSOR INTERNAL THERMOSTAT	49C	105 ± 5 °C OFF 83 ± 11 °C ON	
HIGH PRESSURE SWITCH	63	3.24MPa OFF	
INDOOR FAN MOTOR OVER CURRENT RELAY	51F1	4.6A	7.2A
OUTDOOR FAN MOTOR OVER CURRENT RELAY	51F2,3	2.5A	
OUTDOOR FAN MOTOR INTERNAL THERMOSTAT	-	150 °C OFF	
FUSE	F1～3	3.15A	

PEH-7,8,10MYA-EU
PEH-15,20MYA-EU

ITEM	NO.	PEH-5MYA-EU PUH-5MYE1-EU	PEH-7MYA-EU PUH-7MYC2-EU	PEH-8MYA-EU PUH-8MYC2-EU PUH-8MYE1-EU
COMPRESSOR OVER CURRENT RELAY	51C	15.0A	19.0A	22.0A
COMPRESSOR INTERNAL THERMOSTAT	49C	110 ± 5°C OFF 61 ± 9°C ON	105 ± 5°C OFF 83 ± 11°C ON	
HIGH PRESSURE SWITCH	63H1	2.94MPa OFF		
HIGH PRESSURE SWITCH (DEFROST)	63H2	2.16MPa OFF		
FROST PROTECTOR	26D	-4 ± 1.5 °C ON,26± 1.5 °C OFF		
	26D1,2	-		
INDOOR FAN MOTOR OVER CURRENT RELAY	51F1	3.5A	5.0A	3.5A
INDOOR FAN MOTOR INTERNAL THERMOSTAT	-	150°C OFF		
OUTDOOR FAN MOTOR OVER CURRENT RELAY	51F2	2.5A		
OUTDOOR FAN MOTOR INTERNAL THERMOSTAT	-	150°C OFF		
FUSE	F1～3	3.15A		

ITEM	NO.	PEH-10MYA-EU PUH-10MYC1-EU PUH-10MYE-EU	PEH-15MYA-EU PUH-15MYC1-EU	PEH-20MYA-EU PUH-20MYC1-EU
COMPRESSOR OVER CURRENT RELAY	51C1,2	31.0A	22.0A	31.0A
COMPRESSOR INTERNAL THERMOSTAT	49C	105 ± 5 °C OFF 83 ± 11°C ON		
HIGH PRESSURE SWITCH	63H1	2.94MPa OFF	-	
	63H1-1 63H1-2	-	2.94MPa OFF	
HIGH PRESSURE SWITCH (DEFROST)	63H2	2.16MPa OFF	-	
	63H2-1 63H2-2	-	2.16MPa OFF	
FROST PROTECTOR	26D	-4 ± 1.5 °C ON, 26 ± 1.5 °C OFF	-	
	26D1,D2	-	-4 ± 1.5 °C ON, 26 ± 1.5 °C OFF	
INDOOR FAN MOTOR OVER CURRENT RELAY	51F1	5.0A	4.6A	7.2A
OUTDOOR FAN MOTOR OVER CURRENT RELAY	51F	2.5A		
OUTDOOR FAN MOTOR INTERNAL THERMOSTAT	-	150°C OFF		
FUSE	F1～3	3.15A		

SPECIAL ORDER

Description	Heat pump	Model	PEH-5MYA	PEH-7MYA	PEH-8MYA	PEH-10MYA	PEH-15MYA	PEH-20MYA
		Service ref.	PEH-5MYA-EU	PEH-7MYA-EU	PEH-8MYA-EU	PEH-10MYA-EU	PEH-15MYA-EU	PEH-20MYA-EU
* Low Ambient Cooling			–	PAC-205FC				
Anti corrosion (Service reference)			○	○	○	○	○	○
			(PUH-5MYE1-EUS)	(PUH-7MYC2-EUS)	(PUH-8MYC2-EUS, PUH-8MYE1-EUS)	(PUH-10MYC2-EUS, PUH-10MYE1-EUS)	(PUH-15MYC2-EUS)	(PUH-20MYC2-EUS)

* Low ambient cooling　　It is possible to conduct cooling operation under an outdoor temperature even down to -5 ˚C.

Description	Cooling only	Model	PE-7MYC	PE-8MYC	PE-10MYC	PE-15MYC	PE-20MYC
		Service ref.	PE-7MYC-EU	PE-8MYC-EU	PE-10MYC-EU	PE-15MYC1-EU	PE-20MYC-EU
* Low Ambient Cooling			PAC-205FC			–	
Anti corrosion (Service reference)			○	○	○	○	○
			(PU-7MYC1-EUS)	(PU-8MYC1-EUS)	(PU-10MYC1-EUS)	(PU-15MYC1-EUS)	(PU-20MYC1-EUS)

* Low ambient cooling　　It is possible to conduct cooling operation under an outdoor temperature even down to -5 ˚C.

PHYSICAL DATA

PE-7,8,10,20MYC-EU
PE-15MYC1-EU

[PRODUCT]		PACKAGE AIR COOLED HEATPUMP UNITS					
Product type		PE SERIES					
Product number : Indoor unit			PE-7MYC-EU	PE-8MYC-EU	PE-10MYC-EU	PE-15MYC1-EU	PE-20MYC-EU
Outdoor unit			PU-7MYC1-EU	PU-8MYC1-EU	PU-10MYC1-EU	PU-15MYC1-EU	PU-20MYC1-EU
Cooling capacity (AS1861)		kW	17.9	22.0	28.8	47.0	57.6
Sensible Cooling capacity (AS1861)		kW	14.3	17.6	23.0	37.6	46.1
Cooling power consumption (Input)		kW	7.2	7.8	10.1	17.4	22.0
Basic temperature condition cooling	Indoor		27℃ DB/19℃ WB				
Basic temperature condition cooling	Outdoor		35℃ DB				
[ELECTRICAL]							
<Indoor unit>							
Design voltage		Volts	240	415			
Cycles		Hz	50				
Power supply		Volts	1PH-240V	3PH-415V			
Control voltage			240/24				
Voltage change	Max.	Volts	240	415			
Voltage change	Min.	Volts	220	380			
Fan motor output		HP(kW)	0.28(0.21)	0.94(0.70)	1.34(1.0)	2.95(2.2)	4.96(3.7)
Fan motor current		Amps	3.2	1.2	2.0	3.5	4.8
<Outdoor unit>							
Design voltage		Volts	415				
Cycles		Hz	50				
Power supply		Volts	3PH-415V				
Voltage change	Max.	Volts	415				
Voltage change	Min.	Volts	380				
Fan motor output		HP(kW)	2×0.12(2×0.09)	2×0.2(2×0.15)		0.32(0.24)	2×0.32(2×0.24)
Fan motor current		Amps	0.7		1.0	1.2	2×1.2
[COMPRESSOR]							
Make			MITSUBISHI				
Model			JH519YE	JH521YE	JH527YE	JH521YE	JH527YE
Type			HERMETIC LINE START (RECIPROCATING)				
Number of compressor			1			2	
Nominal motor		HP(kW)	6.7(5.0)	7.4(5.5)	10.1(7.5)	7.4(5.5)	10.1(7.5)
Locked rotor current		Amps	76	83	85	83	85
Normal run current (AS1861)		Amps	13.0	15.5	19.2	15.5	19.2
Swept volume		cc/rev	149	160.8	201	160.8	201
Bore		mm	ø44.45				
Stroke		mm	24.0	25.9			
Speed		rpm	2900				
Number of cylinders			4		5	4	5
Oil charge		ml	3000		4500	3000	4500
Type of oil			DIAMOND MS32(N-1) OR SUNISO 3GS(D)				
Crankcase heater		watts	62		72	62	72
[REFRIGERATION SYSTEM]							
Refrigerant			R22				
Refrigerant charge per circuit		kg	5.7	5.0	8.7	4.8	9.7
Number of refrigerant control			1			2	
Refrigerant control			Capillary tube				
Limit of pipe's length		m	50				
Limit of pipe's height difference		mtrs	20 (In case of indoor unit above outdoor unit)				
		mtrs	30 (In case of outdoor unit above indoor unit)				

Product number Indoor unit / Outdoor unit		PE-7MYC-EU / PU-7MYC1-EU	PE-8MYC-EU / PU-8MYC1-EU	PE-10MYC-EU / PU-10MYC1-EU	PE-15MYC1-EU / PU-15MYC1-EU	PE-20MYC-EU / PU-20MYC1-EU
[INDOOR AIR CIRCUIT]						
Number of blowers		2				
Diameter of blowers	mm	250			380	
Width of blowers	mm	245	275		270	374
Blower drive		Direct drive			Belt drive	
Fan motor output	kW	0.21	0.70	1.00	2.2	3.7
Fan motor run current	A	3.2	1.2	2.0	3.5	4.8
Air quantity	L/s	1000	1167	1500	2333	3000
External static pressure	Pa	50/125	62/125		100/200	
Supply air dimensions(hxw)	mm	341×1102		341×1302	412×1000	412×1209
Return air dimensions(hxw)	mm	248×998			596×1415	
[EVAPORATOR]						
Number of evaporator		1				
Face area	sq.m	0.42		0.50	0.86	1.00
Rows deep		4			4	
Rows high		15			24	
Finned length	mm	1100		1300	1415	1615
Face velocity	m/s	2.2	2.8	3.0	2.7	3.0
Fin per meter		474/2.11		513/1.95	474/2.11	513/1.95
Fin material thickness	mm	0.115				
Fin material/Type		Aluminium / Ring				
Tube diameter	mm	9.52				
Gauge of copper tube	mm	0.35				
Pipe type		Plain tube			Groove tube	
Number of circuit		10			16	24
[OUTDOOR AIR CIRCUIT]						
Number of fans		2			1	2
Diameter of fan	mm	600			954	
Blower drive		Direct drive				
Quantity of motor		2			1	2
Fan motor output	kW	2×0.09	2×0.15		0.24	2×0.36
Fan motor run current	A	0.7	1.0		1.2	2×1.2
Air quantity	L/s	3167	3000	3667	4000	8000
[CONDENSER]						
Number of condensers		2				
Face area	sq.m	2×2.1			1.32	1.35
Rows deep		1		2	2	2
Rows high		30	32	30	40	30
Finned length	mm	2706		2696	1299	1775
Face velocity	m/s	1.4	1.5		1.5	3.0
Fin per meter/Pitch		474 / 2.7	625 / 1.6	538 / 1.86	6.25/1.6	
Fin material thickness	mm	0.115				
Fin material/Type		Aluminium / Ring				
Tube diameter/Gauge	mm	9.52 / 0.35				
Pipe type		Groove tube			Plain tube	
Number of circuit		7		11	6	

Product number Indoor unit			PE-7MYC-EU	PE-8MYC-EU	PE-10MYC-EU	PE-15MYC1-EU	PE-20MYC-EU
Outdoor unit			PU-7MYC1-EU	PU-8MYC1-EU	PU-10MYC1-EU	PU-15MYC1-EU	PU-20MYC1-EU
[ENCLOSURE AND FRAME]							
Dimension Indoor unit	width	mm	1415		1615	1690	1993
	depth	mm	650			865	
	height	mm	428			706	
Dimension Outdoor unit	width	mm	1400			998	1996
	depth	mm	700			998	
	height	mm	980			1230	961
External finish (indoor unit)			Galvanized steel				
External finish (outdoor unit)			Acrylic resin coationg (Color: Munsell 5Y8/1)				
Panel thickness		mm	1.2				
Condense drain size		mm	25.4				
Wei ght Indoor unit		kg	67	70	84	180	212
Wei ght Outdoor unit		kg	202	205	230	285	360
Sound pressure level (indoor unit)		dbA	55	56	59	61	62
Sound pressure level (outdoor unit)		dbA	65	65	65	67	68
Sound power level (indoor unit)		dbA	63	64	67	69	70
Sound power level (outdoor unit)		dbA	76	76	76	78	79

PEH-5,7,8MYA-EU

[PRODUCT]		PACKAGE AIR COOLED HEATPUMP UNITS			
Product type		PEH SERIES			
Product number : Indoor unit		PEH-5MYA-EU	PEH-7MYA-EU	PEH-8MYA-EU	
Outdoor unit		PUH-5MYE1-EU	PUH-7MYC2-EU	PUH-8MYC2-EU	PUH-8MYE1-EU
Cooling capacity (AS1861)	kW	14.4	17.9	22.0	
Sensible Cooling capacity (AS1861)	kW	11.5	14.3	17.6	
Cooling power consumption (Input)	kW	5.5	7.2	7.8	7.9
Heating capacity (AS1861)	kW	14.4	18.8	22.0	
Heating power consumption	kW	4.5	6.3	6.5	
Basic temperature condition cooling Indoor		27℃ DB/19℃ WB			
Basic temperature condition cooling Outdoor		35℃ DB			
Basic temperature condition heating Indoor		21℃ DB			
Basic temperature condition heating Outdoor		7 ℃ DB/6 ℃WB			
[ELECTRICAL]					
<Indoor unit>					
Design voltage	Volts	415	240	415	
Cycles	Hz	50			
Power supply	Volts	3PH-415V	1PH-240V	3PH-415V	
Control voltage		240/24			
Voltage change Max.	Volts	415	240	415	
Voltage change Min.	Volts	380	220	380	
Fan motor output	HP(kW)	0.6(0.45)	0.28(0.21)	0.94(0.70)	
Fan motor current	Amps	1.1/1.0	3.2	1.2	
<Outdoor unit>					
Design voltage	Volts	415			
Cycles	Hz	50			
Power supply	Volts	3PH-415V			
Voltage change Max.	Volts	415			
Voltage change Min.	Volts	380			
Fan motor output	HP(kW)	0.2(0.15)	2×0.12(2×0.09)		0.47(0.35)
Fan motor current	Amps	1.0	0.7		
[COMPRESSOR]					
Make		Copeland	MITSUBISHI		
Model		CRNQ-0500-TFD	JH519YE	JH521YE	
Type		HERMETIC LINE START (RECIPROCATING)			
Number of compressor		1			
Nominal motor	HP(kW)	5.0(3.73)	6.7(5.0)	7.4(5.5)	
Locked rotor current	Amps	65	76	83	
Normal run current (AS1861)	Amps	8.6	13.0	15.5	
Swept volume	cc/rev	101.92	149	160.8	
Bore	mm	ø49.78	ø44.45		
Stroke	mm	26.19	24.0	25.9	
Speed	rpm	2900			
Number of cylinders		2	4		
Oil charge	ml	1952	3000		
Type of oil		CALUMET RO 15 OR WITCO 3GS	DIAMOND MS32(N-1) OR SUNISO 3GS(D)		
Crankcase heater	watts	40	62		
[REFRIGERATION SYSTEM]					
Refrigerant		R22			
Refrigerant charge per circuit	kg	5.0	5.7	6.6	
Number of refrigerant controls		1			
Refrigerant control		Capillary tube			
Reverse cycle valve		4-way valve			
Defrost system		Reverse cycle defrost			
Limit of pipe's length	m	50			
Limit of pipe's height difference	mtrs	20 (In case of indoor unit above outdoor unit)			
	mtrs	30 (In case of outdoor unit above indoor unit)			

Product number	Indoor unit		PEH-5MYA-EU	PEH-7MYA-EU	PEH-8MYA-EU	
	Outdoor unit		PUH-5MYE1-EU	PUH-7MYC2-EU	PUH-8MYC2-EU	PUH-8MYE1-EU
[INDOOR AIR CIRCUIT]						
Number of blowers			1	2		
Diameter of blowers		mm	250			
Width of blowers		mm	275	245	275	
Blower drive			Direct drive			
Fan motor output		kW	0.45	0.21	0.70	
Fan motor run current		A	1.1/1.0	3.2	1.2	
Nominal air quantity		L/s	700	1000	1167	
External static pressure		Pa	50/125	50/125	62/125	
Supply air dimensions(hxw)		mm	342×781	341×1102		342×1118
Return air dimensions(hxw)		mm	248×498	248×998		
[EVAPORATOR]						
Number of evaporator			1			
Face area		sq.m	0.3	0.42		
Rows deep			4			
Rows high			15	15		
Finned length		mm	780	1100	1100	
Face velocity		m/s	2.5	2.2	2.8	
Fin per meter / pitch			513/1.95	474/2.11	474/2.11	
Fin material thickness		mm	0.115			
Fin material/Type			Aluminium / Ring			
Fin coating			NA 510 D *1			
Tube diameter		mm	9.52			
Gauge of copper tube		mm	0.35			
Pipe type			Groove tube	Plain tube		Groove tube
Number of circuit			7	10		
[OUTDOOR AIR CIRCUIT]						
Number of fans			1	2		1
Diameter of fan		mm	600			800
Blower drive			Direct drive			
Quantity of motor			1	2		1
Fan motor output		kW	0.35	2×0.09		0.35
Fan motor run current		A	1.2	0.7		1.2
Nominal air quantity		L/s	1583	2783		3333
[CONDENSER]						
Number of condensers			1	2		1
Face area		sq.m	1.3	2×2.1		1.58
Rows deep			2			
Rows high			44	30		44
Finned length		mm	1000	2706		1400
Face velocity		m/s	1.56	1.35		1.95
Fin per meter/Pitch			513/1.95	474 /2.11		513 /1.95
Fin material thickness		mm	0.115			
Fin material/Type			Aluminium / Ring			
Tube diameter/Gauge		mm	9.52 / 0.35			
Pipe type			Groove tube			
Number of circuit			11	7		11

Specifications subject to change without noice
*1 Corrosion proof property : Salt spray JIS Z 2371, 500hrs Humiditiy test 50C 98% 500hrs.
*2 Corrosion proof property : Salt spray JIS Z 2371, 1000hrs Humiditiy test 50C 98% 1000hrs.

Product number	Indoor unit			PEH-5MYA-EU	PEH-7MYA-EU	PE-8MYA-EU	
	Outdoor unit			PUH-5MYE1-EU	PUH-7MYC2-EU	PUH-8MYC2-EU	PUH-8MYE1-EU
[ENCLOSURE AND FRAME]							
Dimension	Indoor unit	width	mm	1095	1415		
		depth	mm	650			
		height	mm	428			
Dimension	Outdoor unit	width	mm	1000	1400		1250
		depth	mm	550	700		550
		height	mm	1175	980		1175
External finish (indoor unit)				Galvanized steel			
External finish (outdoor unit)				Acrylic resin coationg (Color: Munsell 5Y8/1)			
Panel thickness			mm	1.2			
Condense drain size			mm	25.4			
Weight Indoor unit			kg	60	67	70	
Weight Outdoor unit			kg	150	211	214	188
Sound pressure level (indoor unit)			dbA	55		56	
Sound pressure level (outdoor unit)			dbA	57	65		
Sound power level (indoor unit)			dbA	63		64	
Sound power level (outdoor unit)			dbA	68	76		

PEH-10,15,20MYA-EU

[PRODUCT]		PACKAGE AIR COOLED HEATPUMP UNITS			
Product type		PEH SERIES			
Product number : Indoor unit		PEH-10MYA-EU		PEH-15MYA-EU	PEH-20MYA-EU
Outdoor unit		PUH-10MYC2-EU	PUH-10MYE1-EU	PUH-15MYC2-EU	PUH-20MYC2-EU
Cooling capacity (AS1861)	kW	28.8		44.0	57.6
Sensible Cooling capacity (AS1861)	kW	23.0		35.2	46.0
Cooling power consumption (Input)	kW	10.1	10.2	16.9	21.8
Heating capacity (AS1861)	kW	28.8		44.0	57.6
Heating power consumption	kW	8.3		14.1	19.3
Basic temperature condition cooling Indoor		27℃ DB/19℃ WB			
Basic temperature condition cooling Outdoor		35℃ DB			
Basic temperature condition heating Indoor		21℃ DB			
Basic temperature condition heating Outdoor		7 ℃ DB/6 ℃WB			
[ELECTRICAL]					
<Indoor unit>					
Design voltage	Volts	415			
Cycles	Hz	50			
Power supply	Volts	3PH-415V			
Control voltage		240/24			
Voltage change Max.	Volts	415			
Voltage change Min.	Volts	380			
Fan motor output	HP(kW)	1.34(1.0)	1.34(1.0)	2.95(2.20)	4.96(3.70)
Fan motor current	Amps	2.0	2.0	4.1	4.7
<Outdoor unit>					
Design voltage	Volts	415			
Cycles	Hz	50			
Power supply	Volts	3PH-415V			
Voltage change Max.	Volts	415			
Voltage change Min.	Volts	380			
Fan motor output	HP(kW)	2×0.2(2×0.15)	0.47(0.35)	2×0.47(2×0.35)	
Fan motor current	Amps	1.0	1.2	2×1.2	
[COMPRESSOR]					
Make		MITSUBISHI			
Model		JH527YE		JH521YE	JH527YE
Type		HERMETIC LINE START (RECIPROCATING)			
Number of compressor		1		2	
Nominal motor	HP(kW)	10.1(7.5)		7.4(5.5)	10.1(7.5)
Locked rotor current	Amps	85		83	85
Normal run current (AS1861)	Amps	19.2		15.5	19.2
Swept volume	cc/rev	201		160.8	201
Bore	mm	ø44.45			
Stroke	mm	25.9			
Speed	rpm	2900			
Number of cylinders		5		4	5
Oil charge	ml	4500		3000	4500
Type of oil		DIAMOND MS32(N-1) OR SUNISO 3GS(D)			
Crankcase heater	watts	72		62	72
[REFRIGERATION SYSTEM]					
Refrigerant		R22			
Refrigerant charge per circuit	kg	9.9		6.6	9.7
Number of refrigerant controls		1		2	
Refrigerant control		Capillary tube			
Reverse cycle valve		4-way valve			
Defrost system		Reverse cycle defrost			
Limit of pipe's length	m	50			
Limit of pipe's height difference	mtrs	20 (In case of indoor unit above outdoor unit)			
	mtrs	30 (In case of outdoor unit above indoor unit)			

Product number	Indoor unit		PEH-10MYA-EU		PEH-15MYA-EU	PEH-20MYA-EU
	Outdoor unit		PUH-10MYC2-EU	PUH-10MYE1-EU	PUH-15MYC2-EU	PUH-20MYC2-EU
[INDOOR AIR CIRCUIT]						
Number of blowers			2			
Diameter of blowers		mm	250		280	
Width of blowers		mm	275		245	275
Blower drive			Direct drive		Belt drive	
Fan motor output		kW	1.00	1.00	2.20	3.70
Fan motor run current		A	2.0	1.8	4.5	4.7
Nominal air quantity		L/s	1500	1500	2333	3000
External static pressure		Pa	62/125		100/200	
Suppl y air dimensions(hxw)		mm	341×1302	342×1318	412×1000	412×1209
Return air dimensions(hxw)		mm	248×998		596×1415	
[EVAPORATOR]						
Number of evaporator			1		2	
Face area		sq.m	0.50		0.86	0.98
Rows deep			4			
Rows hi gh			15		24	
Finned length		mm	1300		1415	1615
Face velocit y		m/s	3.0		2.7	3.0
Fin per meter / pitch			513/1.95		513/1.95	592/1.69
Fin material thickness		mm	0.115			
Fin material/Type			Aluminium / Ring			
Fin coating			NA 510 D *1 (NA 549 *2)			
Tube diameter		mm	9.52			
Gau ge of copper tube		mm	0.35			
Pipe t ype			Plain tube	Groove tube		
Number of circuit			10		16	24
[OUTDOOR AIR CIRCUIT]						
Number of fans			2	1	2	
Diameter of fan		mm	600	800		
Blower drive			Direct drive			
Quantit y of motor			2	1	2	
Fan motor output		kW	2×0.15	0.35	2×0.35	
Fan motor run current		A	1.0	1.2	1.3	
Nominal air quantity		L/s	3167	3333	2X3083	
[CONDENSER]						
Number of condensers			2	1	2	
Face area		sq.m	2×2.1	1.58	2×1.07	2×1.32
Rows deep			3			
Rows high			30	44	37	
Finned length		mm	2706	1400	2800	
Face velocity		m/s	1.35	1.95	2.89	2.34
Fin per meter/Pitch			474/2.11	513/1.95	474 /2.11	
Fin material thickness		mm	0.115			
Fin material/Type			Aluminium / Ring			
Tube diameter/Gauge		mm	9.52 / 0.35			
Pipe type			Groove tube			
Number of circuit			11	16	11	14

Specifications subject to change without noice

*1 Corrosion proof property : Salt spray JIS Z 2371, 500hrs Humiditiy test 50˚C 98% 500hrs.

*2 Corrosion proof property : Salt spray JIS Z 2371, 1000hrs Humiditiy test 50˚C 98% 1000hrs.
(anti corrosion as special order)

Product number	Indoor unit			PEH-10MYA-EU		PEH-15MYA-EU	PEH-20MYA-EU
	Outdoor unit			PUH-10MYC2-EU	PUH-10MYE1-EU	PUH-15MYC2-EU	PUH-20MYC2-EU
[ENCLOSURE AND FRAME]							
Dimension	Indoor unit	width	mm	1615		1690	1993
		depth	mm	650		865	
		height	mm	428		706	
Dimension	Outdoor unit	width	mm	1400	1250	1951	
		depth	mm	700	550	1080	
		height	mm	980	1175	1200	
External finish (indoor unit)				Galvanized steel			
External finish (outdoor unit)				Acrylic resin coationg (Color: Munsell 5Y8/1)			
Panel thickness			mm	1.2			
Condense drain size			mm	25.4			
Weight Indoor unit			kg	84		180	212
Weight Outdoor unit			kg	240	221	431	472
Sound pressure level (indoor unit)			dbA	59		61	62
Sound pressure level (outdoor unit)			dbA	65		69	
Sound power level (indoor unit)			dbA	67		69	70
Sound power level (outdoor unit)			dbA	76		80	

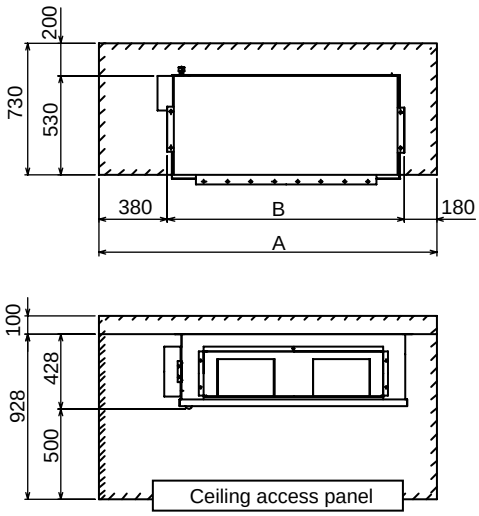
INSTALLATION

1. Space required around unit

Indoor unit

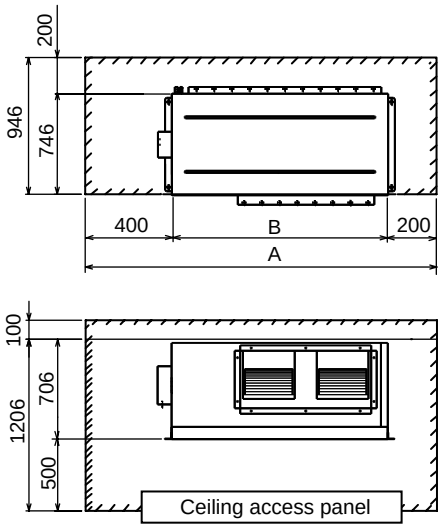
Dimension of the unit and space necessary for sevicing.

PEH-5 PE(H)-7, 8, 10



	A	B
PEH - 5	1560	1000
PE(H) - 7, 8	1880	1320
PE(H) - 10	2080	1520

PE(H)-15,20



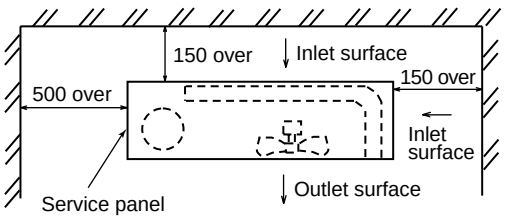
	A	B
PE(H) - 15	2187	1587
PE(H) - 20	2490	1890

Outdoor unit

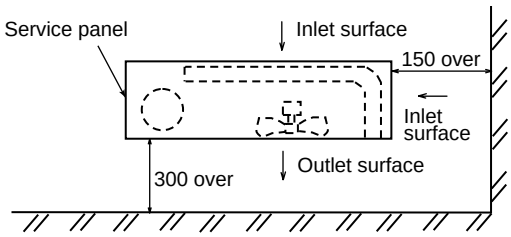
Secure enough space necessary for servicing, installing, and for proper function of the unit.
To prevent short-cycling, remove obstacles as much as possible.

PUH-5, 8, 10 (Side blow)

(1) At a single installation

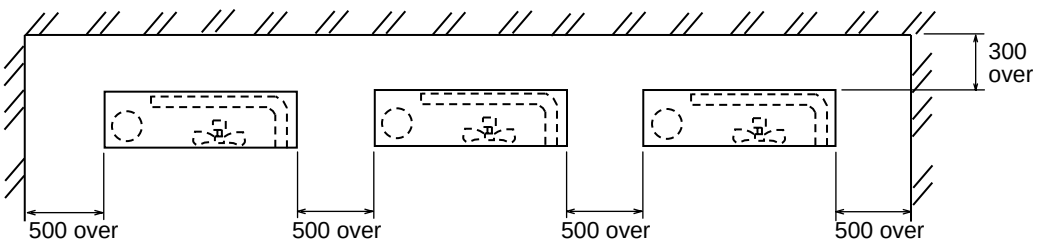


With the inlet surface facing a wall.



With the outlet surface facing a wall.

(2) Relation of unit when many set up unit.

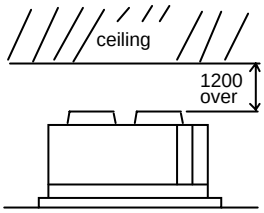


Please set the unit that the inlet air and the outlet air are not influenced.

PU(H)-7,8, 10 (Upper blow)

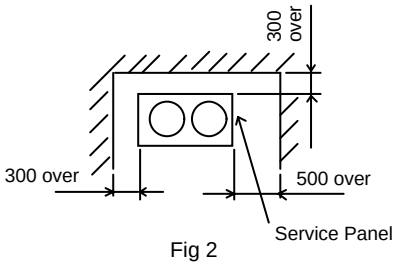
(1) At a single installation

The obstacle is on the outlet side. (Fig 1)
The obstacle is in three directions. (Fig 2,3)
The obstacle is in four directions. (Fig 4)



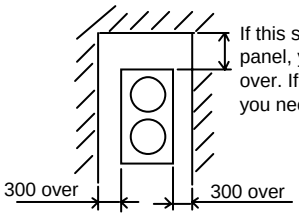
The right and left side and the back and forth side must be opened.

Fig 1



However, the outlet side must be opened.

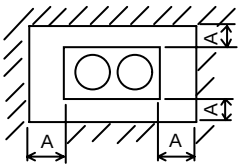
Fig 2



If this side is service panel, you need 500 over. If this side is inlet, you need 300 over.

However, if the service panel is an interior side, the right or left side need 500 over.

Fig 3



All “A” is 500 over. However, outlet side must be opened. And the obstacle in two directions must be lower than the unit.

Fig 4

(2) Relation of unit when many set up unit. (Fig 5,6,7)

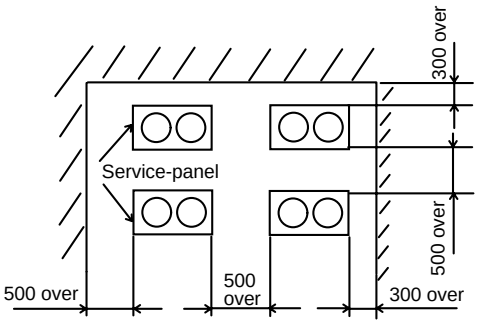


Fig 5

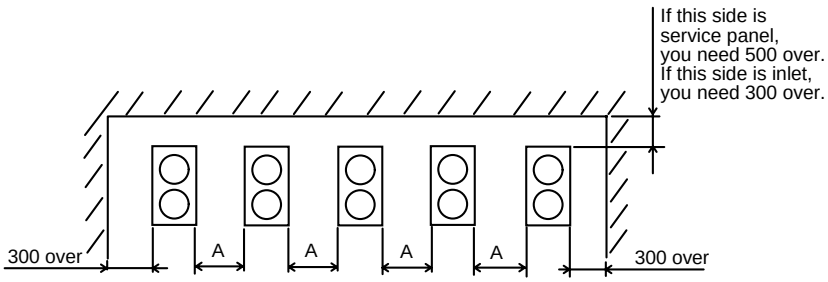


Fig 6 All “A” is 500 over.

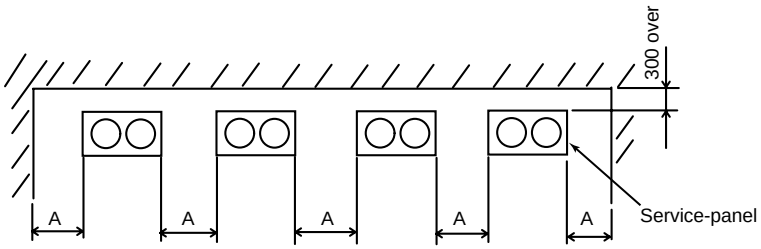


Fig 7 All “A” is 500 over in any case.

PU-15

(1) At a single installation

The obstacle is on the outlet side. (Fig 1)
The obstacle is in four directions. (Fig 2)

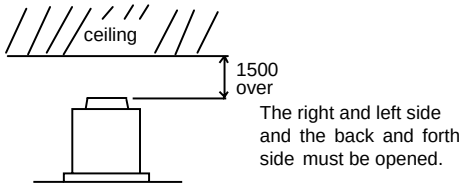


Fig 1

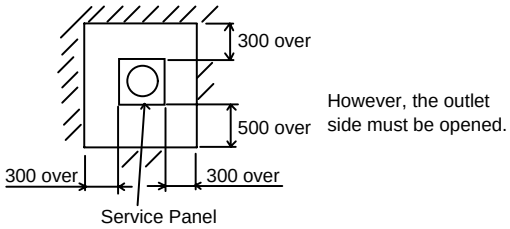


Fig 2

(2) Relation of unit when many set up unit. (Fig 3,4)

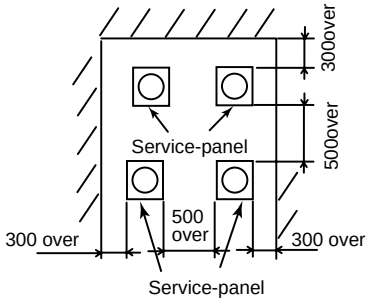


Fig 3

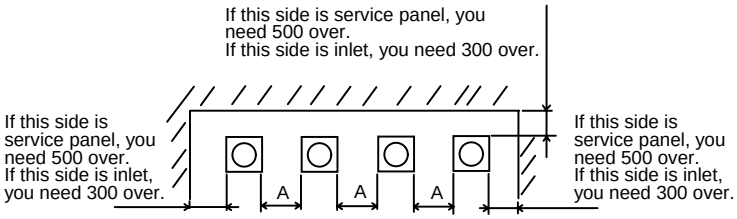


Fig 4 All “A” is 500 over.

PU-20

(1) At a single installation

The obstacle is on the outlet side. (Fig 1)
The obstacle is in four directions. (Fig 2)

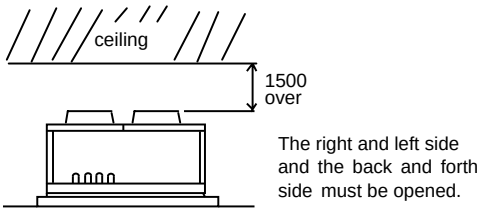


Fig 1

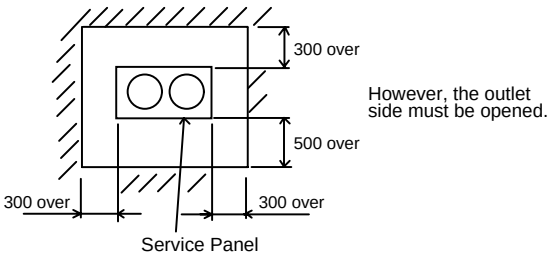


Fig 2

(2) Relation of unit when many set up unit. (Fig 3,4,5)

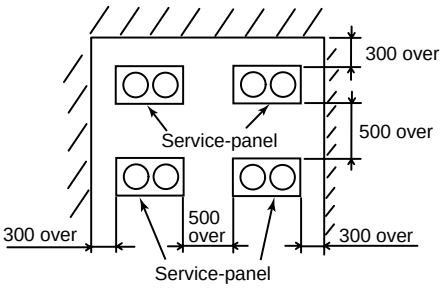


Fig 3

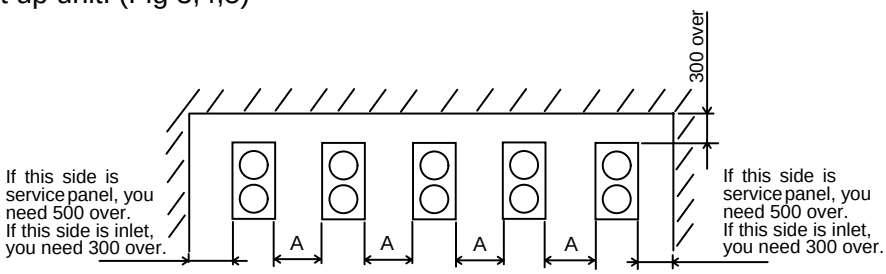


Fig 4 All “A” is 500 over.

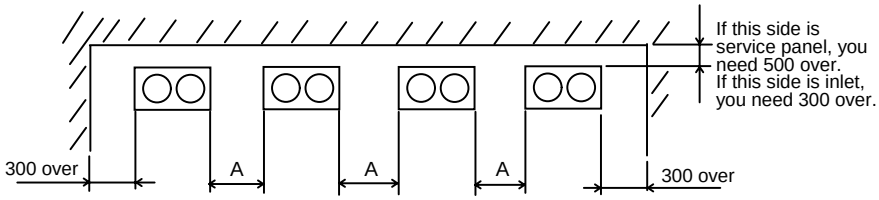


Fig 5 All “A” is 500 over in any case.

PUH-15, 20

(1) At a single installation

The obstacle is on the outlet side. (Fig 1)
The obstacle is in four directions. (Fig 2)
The obstacle is in three directions. (Fig 3,4)

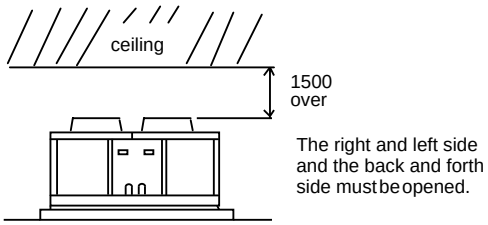


Fig 1

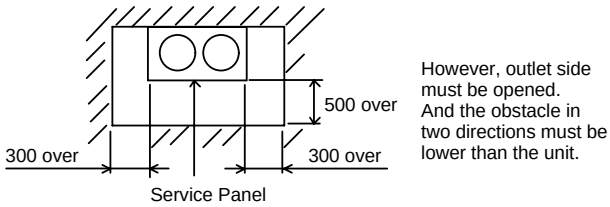


Fig 2

However, the outlet side must be opened.

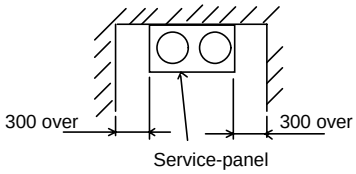


Fig 3

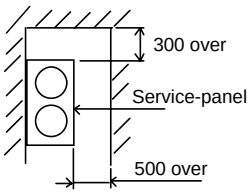


Fig 4

(2) Relation of unit when many set up unit. (Fig 5,6,7)

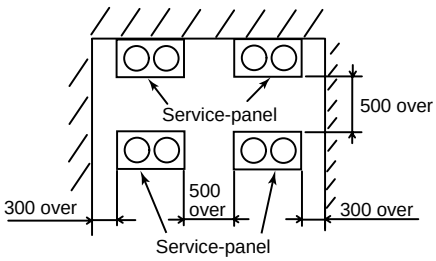


Fig 5

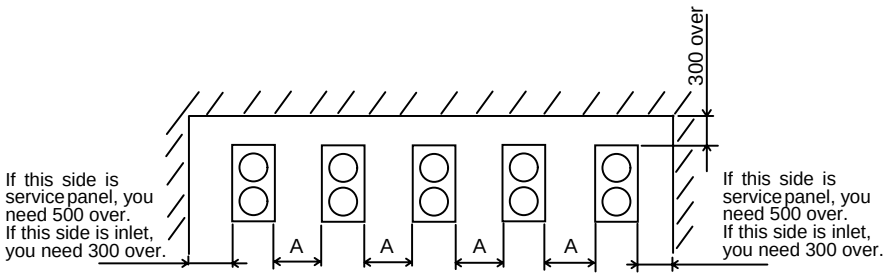


Fig 6 All "A" is 500 over.

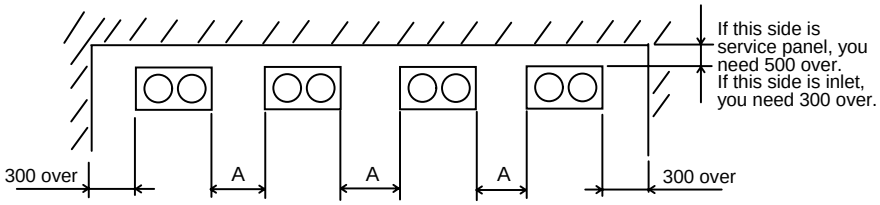
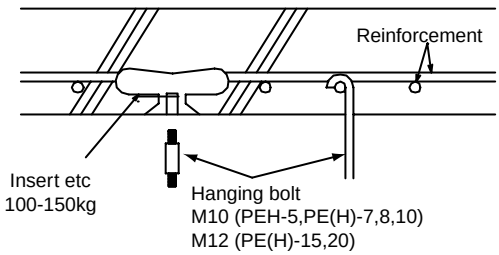


Fig 7 All "A" is 500 over in any case.

2. Preparation before installing

Indoor unit

Please use the specified hanging bolt in any case.
Hanging bolt is local supply.
Please use the method below or use the angle and the rectangular lumber, etc. and install the hanging bolt.

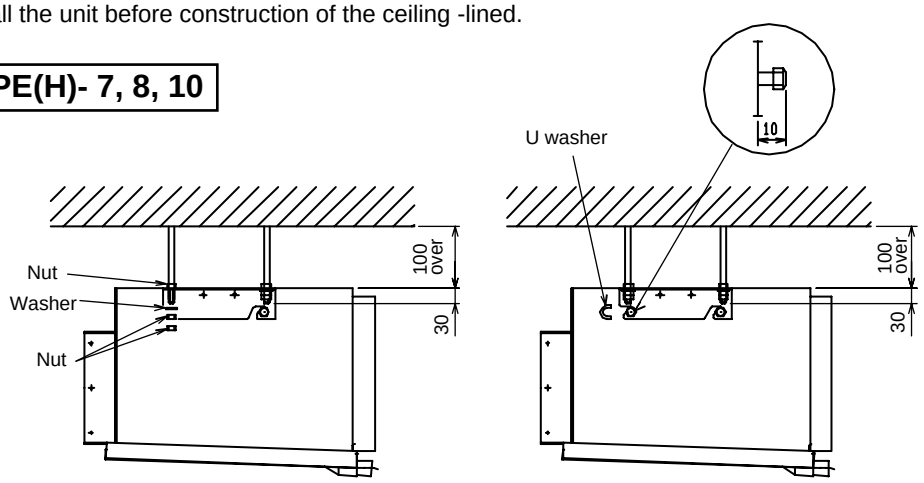


3. Installation of the unit.

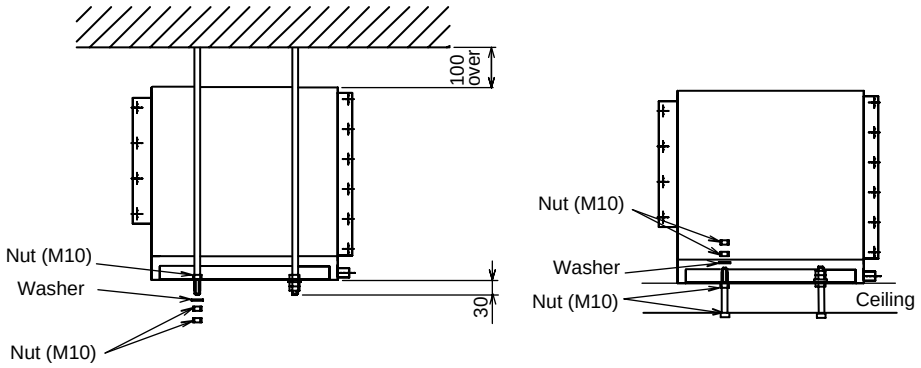
Indoor unit

Please carry the packed until parallelly to installed place.
Please install the unit before construction of the ceiling -lined.

PEH-5 PE(H)- 7, 8, 10

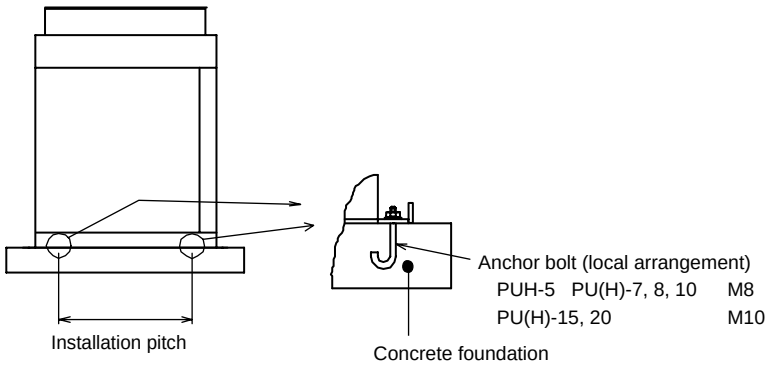


PE(H)-15, 20



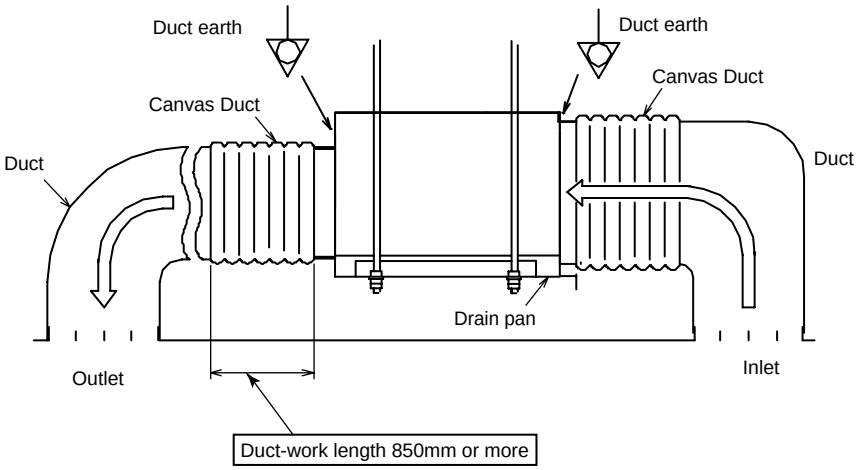
Outdoor unit

Fix unit tightly with bolts as shown below so that unit will be securely fixed in place use concrete or angle foundation of unit.
At the time of bottom piping of refrigerant pipe, build a 100mm or higher foundation so that piping will go through bottom of unit.



Duct construction

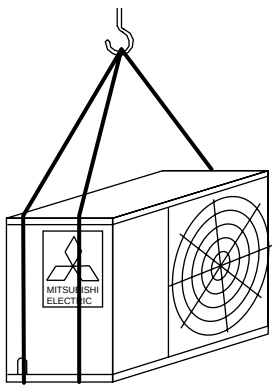
Provide canvas flexible ducting between unit when connect to the duct-work.
The duct unit must use a nonflammable material.
Provide sufficient insulation for prevent dewdrop.



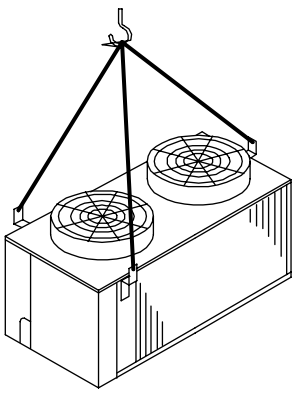
Lifting method

When the unit is to be lifted and moved, attach ropes to the suspension plates(3 p.c.s) provided on the top of the unit.
When the unit is lifted, it 's center of gravity tends to shift the unit one side and so balance, such as that in the figure below, should be attained.
The angles at which the ropes suspend the unit should be at least 60º at the compressor end and at least 45º at the condenser end. Care should be taken to avoid contact with the main unit while carrying.
It is necessary to protect the unit with the blanket so that the ropes should not injure the unit.

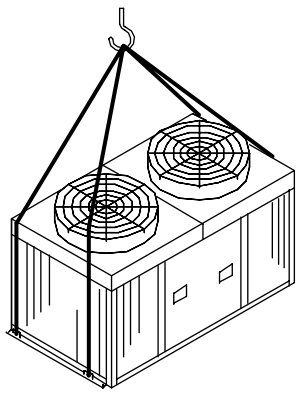
Hook (as directly aligned over the center of gravity as possible.



PUH-5,8,10 (side blow)



PUH-7,8,10 (upper blow)



PUH-15,20
(PU-15,20 is same method.)

Piping connection

⚠ Warning

Please follow the following procedures, during the piping connection work is carried out. If the procedures are not followed properly, the refrigerant and valve sheet might gush out from the ball valve. It might cause the injury.

1. PROCEDURE TO CONNECT THE EXTENSION PIPE

Proceed with the connection as follows.

(1) Open the ball valve cap at first. (Fig. 1)

(2) Check the ball valve section is completely closed. (Fig. 2)

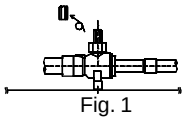


Fig. 1

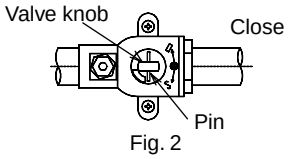


Fig. 2

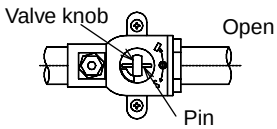


Fig. 3

(3) Remove the connection pipe assy. (Fig. 4)
Throw away the packing. (Except the PUH-5)

⚠ Caution:

There will be small amount of refrigerant gushed out of the by-pass tube at the moment. Loosen and tighten the flare nut using a double-ended wrench. (Fig. 7 and Table. 1)
Coat the flare contact surface and both surface of packing with refrigerator oil.
Do not brazing work before removing the connection pipe assy. (Except the PUH-5)

(4) Remove the by-pass tube. (Except the PUH-5) (Fig. 5)
Braze the extension pipe with the flange assy. (Except the PUH-5)

(5) Connect the extension pipes with the ball valves (the flare nut type).
(Only the PUH-5) (Fig. 6)
Connect the extension pipes with the ball valves (the flare nut and the flange type). (Fig. 6) Use the attached new packing certainly between the ball valve and the flange.

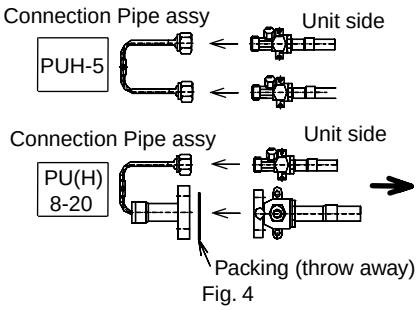


Fig. 4

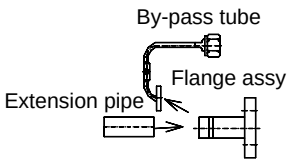


Fig. 5

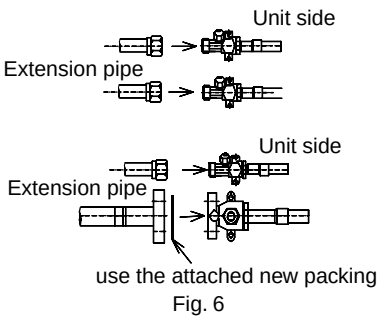


Fig. 6

2. HANDLING PRECAUTIONS

(1) The extension pipes should be connected under closing condition. (Fig. 2)
Do leak test the part of flange and flare.

(2) Before charging the refrigerant, vacuum the extension pipes and indoor side to clear all the air and water.

(3) Charge the additional amount of refrigerant according to the installation manual.

(4) Do leak test again.

(5) Turn the ball valve knob to “Open” position. (Fig. 3)

(6) Finally, put the cap back to the ball valve.

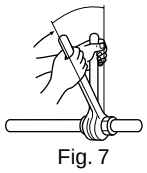


Fig. 7

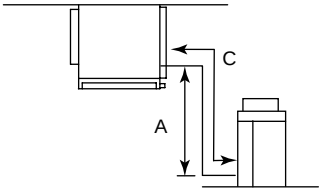
pipe diameter (mm)	Tightening torque (Nm) / (kgcm)
6.35	14 to 18 / 140 to 180
9.52	35 to 42 / 350 to 420
12.7	50 to 57.5 / 500 to 575
15.88	75 to 80 / 750 to 800
19.05	100 to 140/1000 to1400

Table. 1

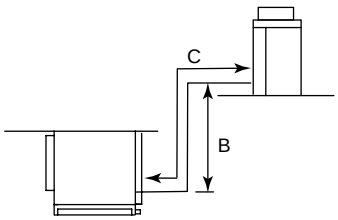
4. Refrigerant piping

Extension piping and installation parts are field supply.

Perform the work only after carefully reading the appropriate instructions.

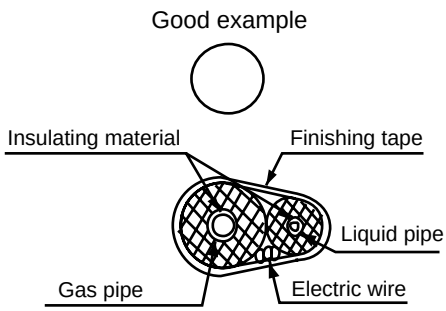


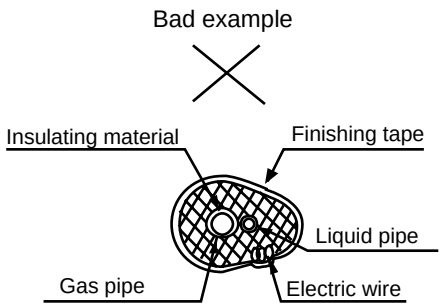
When the outdoor unit is lower



When the outdoor unit is higher

Install the unit where the refrigerant piping is shortest, the difference between the indoor unit and outdoor unit is smallest.
As pipes purchased in the market may contain dust, below them off with dry inlet gas.
Take care not to allow dust and water content to enter the piping during pipe processing or installing.
Minimize the number of bends, and make the bending radius as long as possible.
Always observe the restriction(allowable length, height difference, pipe diameter) on the refrigerant piping.
For soldering & brazing, use high-quality materials.
Never purge air with a refrigerant. Always use a vacuum pump for purging.
Provide proper insulation to the piping . Insufficient insulation cause poor cooling/heating performance or condensation drip, leading to unexpected trouble.
Do not insulate gas or low pressure pipe and liquid or high pressure pipe together.
For the connection of the refrigerant piping, leave the valve of the outdoor unit fully closed (as set before shipment), and no operate it until the connection between the indoor/outdoor units and refrigerant piping, refrigerant leak test and evacuation work have been completed.
The maximum permissible values are shown below.
Remove the cover (grommet) attached sheet metal at exit of heat exchanger pipe of indoor unit before connecting the local piping.
(This cover is protect the pipe from sheet metal edge at unit transportation.)
Please insulate liquid pipe & gas pipe (two places for each) with an insulated pipe of the attachment after connecting piping.



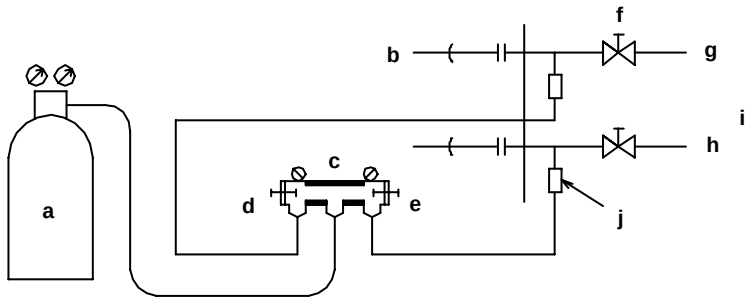


		PEH-5	PE(H)-7	PE(H)-8	PE(H)-10	PE(H)-15	PE(H)-20
Dimension A (m)		20	20	20	20	20	20
Dimension B (m)		30	30	30	30	30	30
Number of bends		15	15	15	15	15	15
Total piping length (m)		50	50	50	50	50	50
Piping size	Liquid pipe (mm)	12.7	15.88	15.88	15.88	2×15.88	2×15.88
	Gas pipe (mm)	19.05	25.4	25.4	28.6	2×25.4	2×28.6

Airtight test

Airtight test should be made by pressurizing nitrogen gas to 3Mpa.
For the test method, refer to the following figure.
(Make a test with the valve closed. Be also sure to pressurize both liquid and gas pipe.)
The test result can be judged good if the pressure has not been reduced after leaving for about one day after completion of nitrogen pressurization.

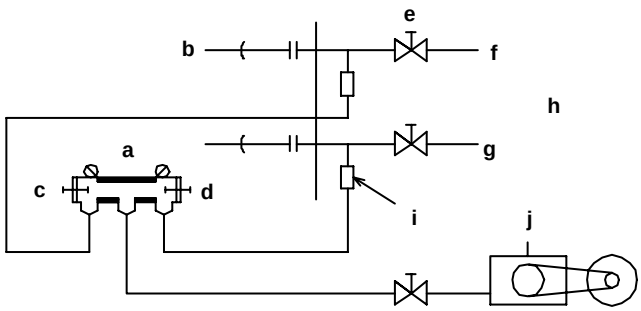
a.	Nitrogen gas
b.	To indoor unit
c.	System analyzer
d.	Low knob
e.	High knob
f.	Valve
g.	Liquid gas
h.	Gas pipe
i.	Outdoor unit
j.	Service port



Evacuation

Evacuation should be made from the service port provided on the outdoor unit's valve to the vacuum pump commonly used for both liquid pipe and gas pipe.
(Make evacuation from both liquid pipe and gas pipe with valve closed.)
Remember :Never carry out air purge by refrigerant.

a.	System analyzer
b.	To indoor unit
c.	Low knob
d.	High knob
e.	Valve
f.	Liquid gas
g.	Gas pipe
h.	Outdoor unit
i.	Service port
j.	Vacuum pump



Additional refrigerant charge

The mount of refrigerant charged in this unit is a appropriate for 5-meter long refrigerant pipes.
Refer to the table below and add the corresponding amount of refrigerant if the pipes are extended.
(The refrigerant is charged in the outdoor unit.)

	Refrigerant piping length										
	unit	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m
charge mount R-22 (kg)	PU-7	0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.2
	PU-8										
	PU-10										
	PU-15	0	2×0.8	2×1.6	2×2.4	2×3.2	2×4.0	2×4.8	2×5.6	2×6.4	2×7.2
	PU-20										
	PUH-5	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
	PUH-7	0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.2
	PUH-8	0	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.7	7.5
	PUH-10										
	PUH-15	0	2×0.8	2×1.7	2×2.5	2×3.3	2×4.2	2×5.0	2×5.8	2×6.7	2×7.5
	PUH-20										

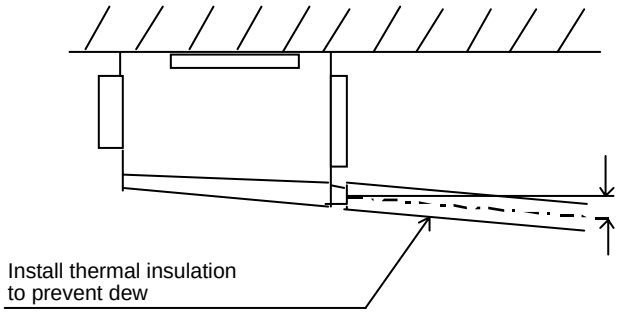
The outdoor unit of PE-5,8,10 have side blow type and upper blow type.
Factory charge refer to the table below.

	Factory charge			
	Outdoor unit			
	Side blow		Upper blow	
charge mount R-22 (kg)	—		PU-7	5.7
	—		PU-8	5.0
	—		PU-10	8.7
	—		PU-15	2×4.8
	—		PU-20	2×9.7
	PUH-5	5.0	—	
	—		PUH-7	5.7
	PUH-8	6.6	PUH-8	6.6
	PUH-10	9.9	PUH-10	11.0
	—		PUH-15	2×6.6
	—		PUH-20	2×9.7

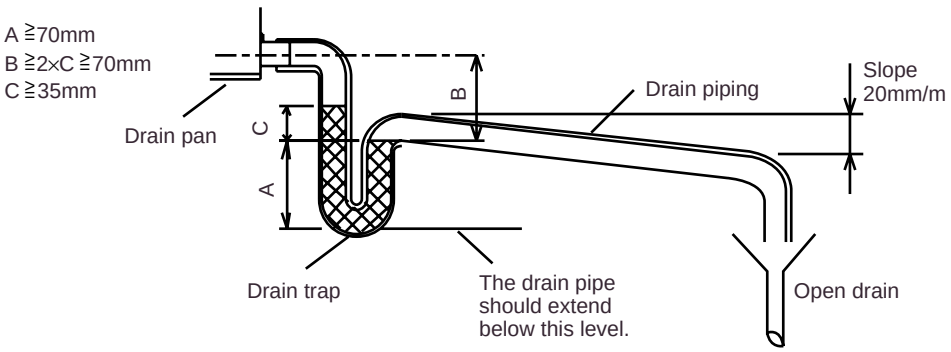
5. Drain piping

•Incline the drain piping to the outside (drain side) as shown in the figure below.
•The outlet of the indoor unit drain pipe is Rc1.
•After completion of piping, confirm that drainage is good and that there are no leaks.

Indoor unit drain piping



The drain piping should have a drain trap.



6. Electric wiring

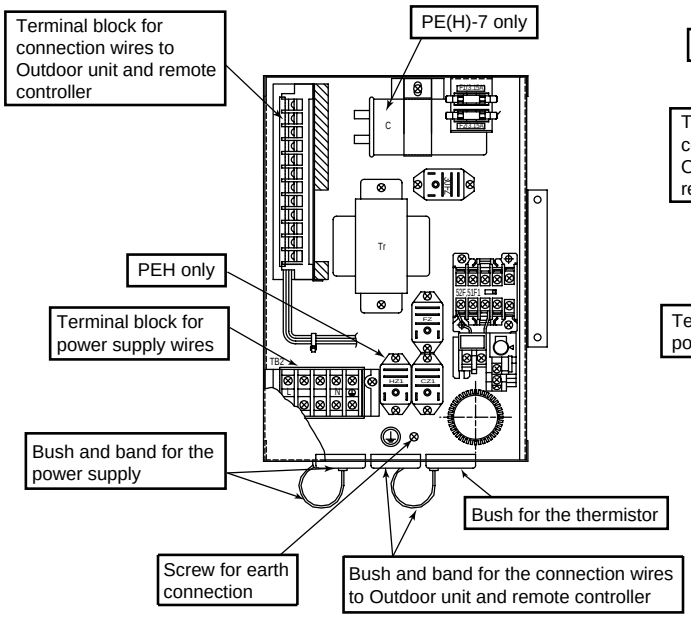
Construct the earth connection.
All electrical work must be carried out by a suitable qualified electrical trades-person and in accordance with local supply authority requirements and associated regulators.
The range of working voltage is within ±10% voltage of power supply.
The outdoor unit is to be wired directly from an electrical distribution board either by a circuit breaker (preferred) or HRC fuse.

Fix power source wiring to control box by using buffer bushing for tensible force (PG connection or the like). Connect control wiring to control terminal block through the knockout hole of control box using ordinary bushing.

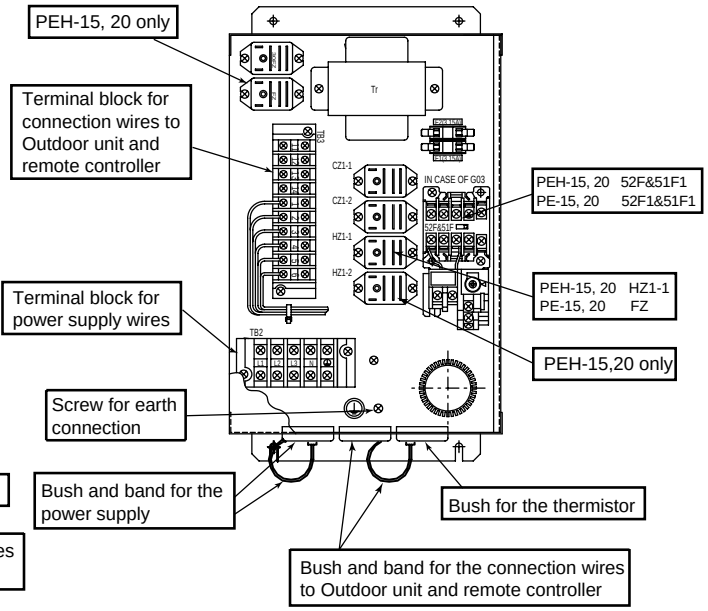
Note:
Earth wiring must be connected.

Arrangement such as terminal block in control box

Control module of indoor unit PEH-5, PE(H)-7, 8,10

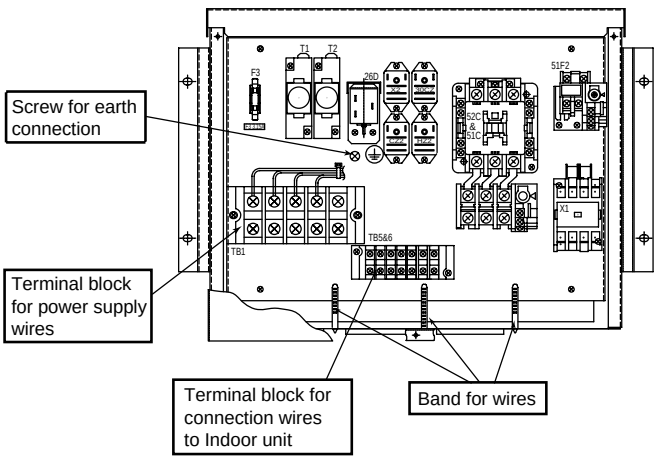


Control module of indoor unit PE(H)-15, 20



Control module of outdoor unit (PUH-5, 8, 10)

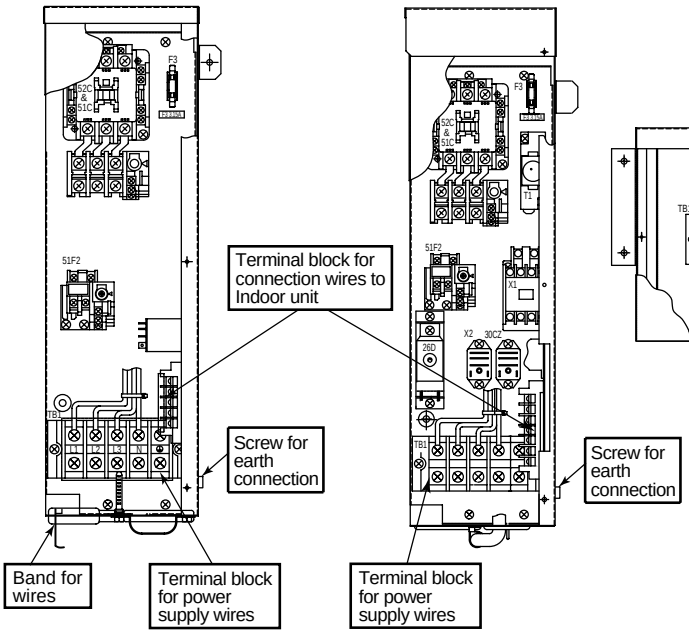
Side blow



Control module of outdoor unit PU(H)-7, 8, 10

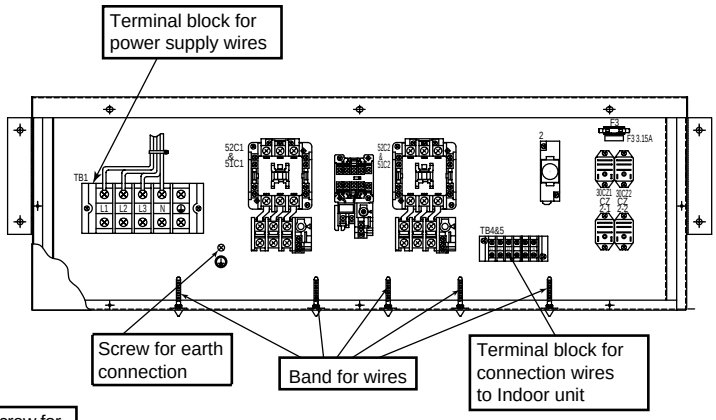
Upper blow

In case of PU-7, 8, 10

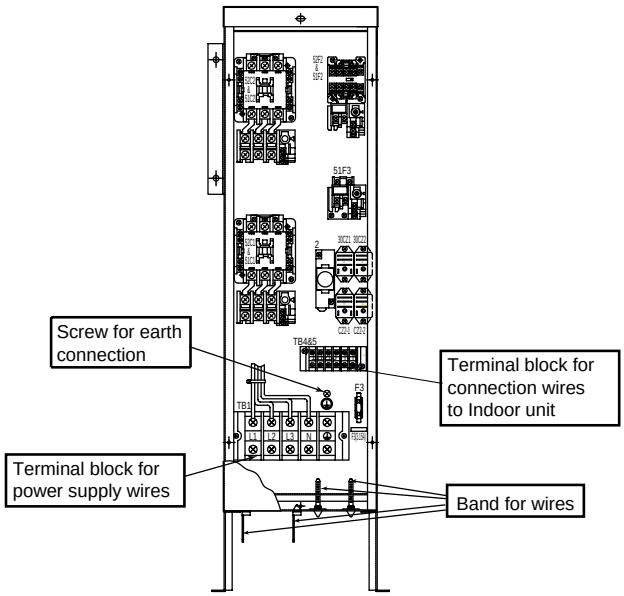


In case of PUH-7, 8, 10

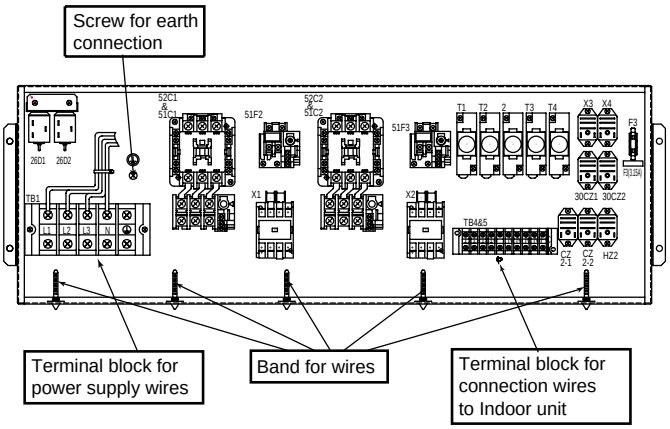
Control module of outdoor unit PU-15



Control module of outdoor unit PU-20



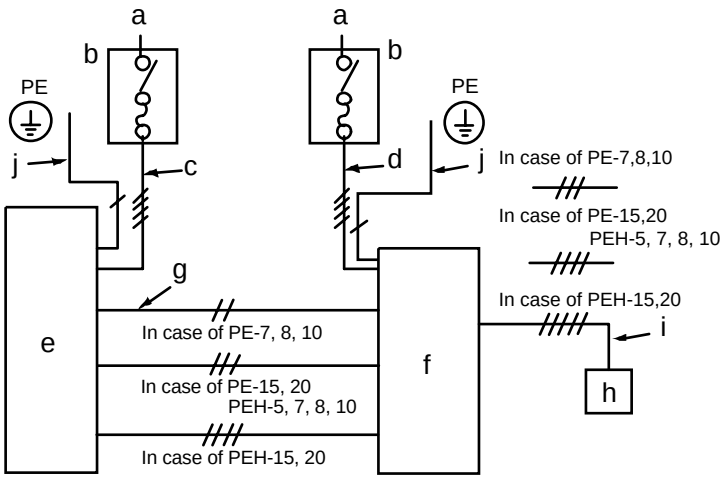
Control module of outdoor unit PUH-15,20



Method for connecting electric wire

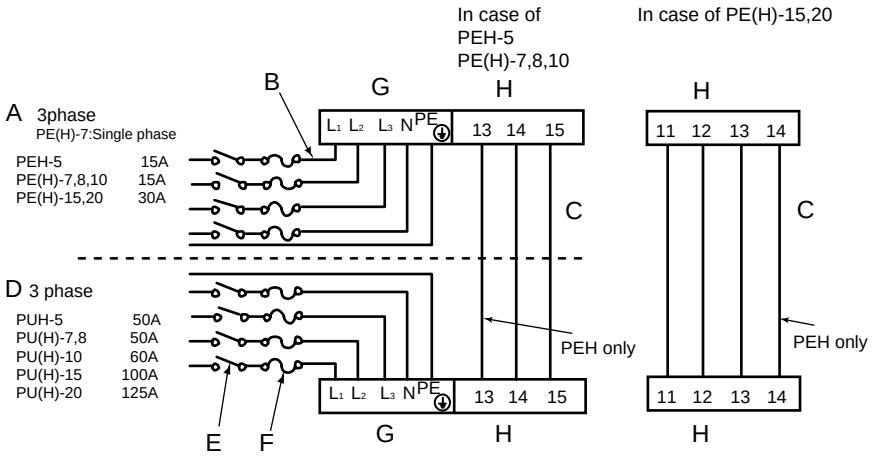
Please do the wiring after consulting the electric power company of jurisdiction beforehand in the instruction.

(1) The entire wiring diagram of unit.



a.	Power supply
b.	Main switch/fuse (field supply)
c.	Power supply wiring for outdoor unit
d.	Power supply wiring for indoor unit
e.	Outdoor unit
f.	Indoor unit
g.	Connection wiring for indoor / outdoor units (polarity)
h.	LCD remote controller
i.	Connection wiring for indoor / remote controller (no polarity)
j.	Earth

(2) Power supply construction and electric wiring connection of indoor and outdoor unit.



A.	Indoor unit
B.	Power cable wiring
C.	Control cable wiring (Fixing wire-- Do not remove)
D.	Outdoor unit
E.	Earth leakage breaker (with over-load pretection)
F.	Fuse
G.	Power supply terminal bed
H.	Control cable terminal bed

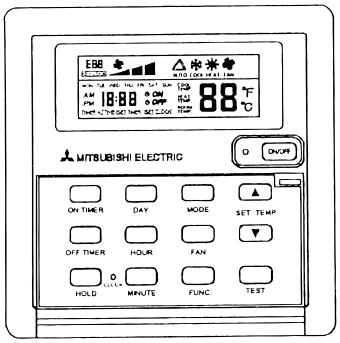
(3) LCD remote controller.

(3)-1. Confirmation of parts

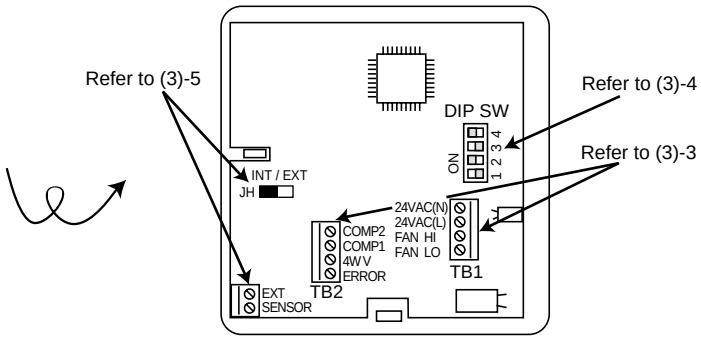
The following parts are contained in the carton box together with this manual.
Please check to make sure that everything is included.

	Q'TY
① Remote controller (upper case, lower case)	1
② Pan-head screw with cross hole M4	2
③ Wooden screw 4.1 × 16 (for installing unit directly on a wall)	2
④ Instruction manual	1

(3)-2. Outline and inside drawing



Outline (Key cover open)



Controller board

(3)-3. Installation

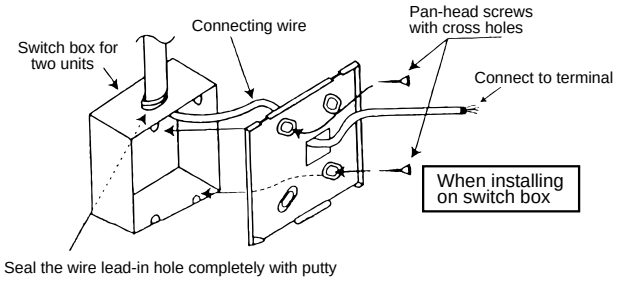
(1) Decide where you want to install the LCD remote controller (switch box)
In deciding, please observe the following precautions:

Do not install the LCD remote controller in locations, which are:

- Exposed to direct sunlight.
- Susceptible to humidity and moisture.
- Near a source of heat.
- Near machines emitting high-frequency waves. (High-frequency welders, etc.)

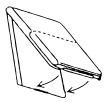
1) Procure the following parts locally :
Switch box for two units
Connecting wire (Length : below 20m size : 0.75mm^2)
Lock nut, bushing

(2) Install the lower case on the switch box.



Caution : • Over-tightening the screws can cause deformation and / or cracks on the lower case.
• Install the LCD remote controller on a wall with flat surface.
Installation on an uneven surface can cause cracks on the LCD and other failure.

Snap the upper case into place.
Hook the two upper claws into their slots, and shut the lower part as shown in the right diagram.



Caution : • Press the case until it snaps shut.
• To use, remove the protective sheet on the operation section.

To remove the upper case, insert a screwdriver(-) into one of the slots and slide it in the direction of the arrow shown in the diagram on the right.

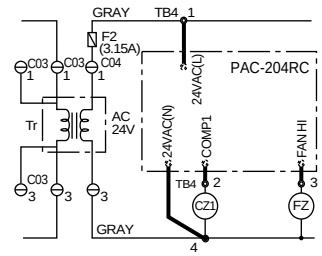
Caution : • Do not turn the screwdriver while it is inserted into the slot.
Doing so can result in damage to the slot.

(3)-4. Wiring

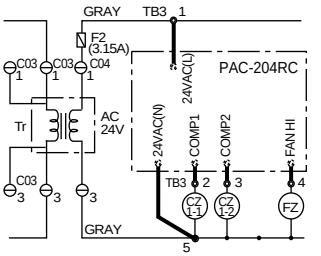
(1) Connect the wires on the basis of the following wiring diagram.
(2) Connecting work is different each models.
(3) LCD remote controller cables must be installed away from the power cables so that they are not influenced by electrical noise from the power cables. (Do not place the LCD remote controller cables and power cables in the same conduit.)

Caution : This controller is damaged if mistook the connection.

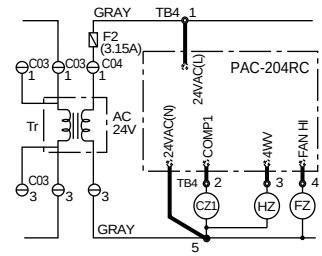
PE-7,8,10



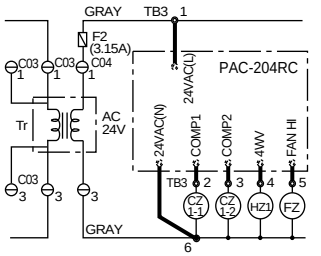
PE-15,20



PEH-5,7,8,10



PEH-15,20



(3)-5. Setting DIP switch

Set the DIP switches on the basis of the below table.

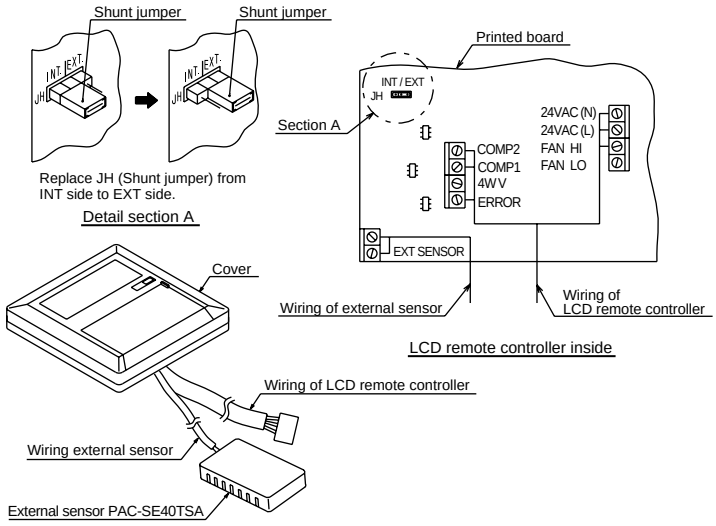
		DIP Switch 1		DIP Switch 2		DIP Switch 3		DIP Switch 4	
		ON	OFF	ON	OFF	ON	OFF	ON	OFF
Factory pre setting			○	○			○	○	
PE setting			○ (Not change)	○ (Not change)			○ (Not change)	○ (*3)	
PEH setting		○ **(Change)**		○ (Not change)			○ (*2)	○ (*3)	
FUNCTION	Mode select	Heat pump	Cooling only						
	Fan speed Hi / Lo (*1)			Do not change	DIP switch 2.				
	Auto chang over function (*2)					Available	Not Available		
	Auto start at Power failure (*3)							Not Available	Automatically

Note. *1: This function can not use at above models, because the fan speed of these models is constant.
*2: If need this function, please consult your local MITSUBISHI ELECTRIC SALES office for application advice on this function.
*3: This function can change by customer self.
If this function use, The unit will auto start at power supply come back after power failure.

(3)-5. How to connect the external sensor (PAC-SE40TSA) to LCD remote controller.

This controller is set for using internal sensor.
If you need the external sensor, please consult your dealer and purchase option external sensor. (PAC-SE40TSA)
And please change below method.

1. Remove the cover of LCD remote controller.
2. Connect the wire of external sensor to terminal as below.
3. Replace the shunt jumper from "INT" side to "EXT" side as below.
4. Check above connection. (Refer to PAC-SE40TSA Installation manual.)
5. Attach the cover of LCD remote controller.



(4) Wiring example (For metal piping)

	Power cable	Breaker capacity	Over current protection switch	Earth cable	Control wiring
PEH - 5	2.0mm^2	15A	15A	2.0mm^{2}over	Cable or wire of 0.75mm^2 (24VDC)
PE(H) - 7	2.0mm^2	15A	15A	2.0mm^{2}over	
PE(H) - 8	2.0mm^2	15A	15A	2.0mm^{2}over	
PE(H) -10	2.0mm^2	15A	15A	2.0mm^{2}over	
PE(H) -15	2.0mm^2	30A	30A	2.0mm^{2}over	
PE(H) -20	2.0mm^2	30A	30A	2.0mm^{2}over	
PUH - 5	8mm^2	50A	50A	8mm^{2}over	Cable or wire of 0.75mm^2 (24VDC)
PU(H) - 7	8mm^2	50A	50A	8mm^{2}over	
PU(H) - 8	8mm^2	50A	50A	8mm^{2}over	
PU(H) -10	14mm^2	60A	60A	14mm^{2}over	
PU(H) -15	14mm^2	100A	100A	14mm^{2}over	
PU(H) -20	22mm^2	125A	125A	22mm^{2}over	

The grounding wire must be of the same diameter as the power cable wires.
Table above is an example.
The selection of other capacities should be determined in accordance with the relevant standards.

(5) Selecting earth leakage breaker (NV)

To select NF or NV instead of a combination of Class B fuse switch use the following.
In the case of Class B fuse rated 15A.

	Fuse (class B)	Earth leakage breaker (with over-load protection)		
PEH - 5	15A	NV30-CA	15A	30mA 0.1s or less
PE(H) - 7	15A	NV30-CA	15A	30mA 0.1s or less
PE(H) - 8	15A	NV30-CA	15A	30mA 0.1s or less
PE(H) - 10	15A	NV30-CA	15A	30mA 0.1s or less
PE(H) -15	30A	NV50-CP	30A	30mA 0.1s or less
PE(H) -20	30A	NV50-CP	30A	30mA 0.1s or less
PUH - 5	50A	NV50-CA	50A	100mA 0.1s or less
PU(H) - 7	50A	NV50-CA	50A	100mA 0.1s or less
PU(H) - 8	50A	NV50-CA	50A	100mA 0.1s or less
PU(H) - 10	60A	NV60-CA	60A	100mA 0.1s or less
PU(H) - 15	100A	NV100-CP	100A	100mA 0.1s or less
PU(H) - 20	125A	NV225-CP	125A	100mA 0.1s or less

NV is a product of MITSUBISHI ELECTRIC.
Table above is an example. The selection of other capacities should be determined in accordance with the relevant standards.

Note.
All electrical wiring must be comply with local electrical authority regulations.

7. The putting condition of the belt

(PE(H)-15,20 only)

1. Set the parallel angle of the fan and the motor pulley as shown in the table and figure 1 below.
2. Set the tension of the per one belt when the flexion load is within the range as shown in the figure 1 below at the proper flexion. (A=4.5mm)
3. Adjust the suitable tension after the belt sit properly across the pulley (after more 24-28 hours working). When the new belt is used, adjust the suitable tension about the 1.3 times of the maximum value of the flexion load.
4. Readjust the belt every 2,000 hours after the first adjustment.
   Exchange the belt when the belt's surroundings length has expanded by 2% including the first expansion of the belt. (about 1%)
   (about 8,000 hours converted working time)

table

parallel angle / pulley	K (˝)	note
pulley	10 or less	gap of 3mm every 1m

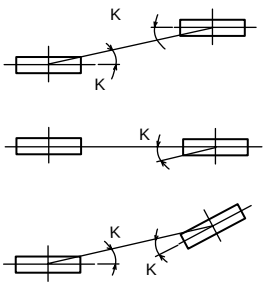


Figure1 Parallel degree of pulley

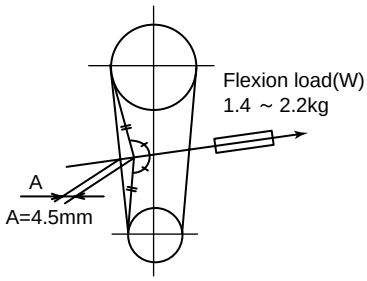


Figure2 Belt tension

8. Before starting the Trial run

Check items

(1) Check to see wheter there are refrigerant leakage, and slack power or transmission cable.
(2) Conform that 500V megohmmeter shows 1.0M ohm or more between power supply terminal and ground.
(3) Do not operate in the case of 1.0M ohm or less.
Note : Never carry out megger-ohm check over terminal control board.
Otherwise the control board would be broken.
(4) Check to see wheter both gas and liquid valves are fully opened.
Note : Be sure to tighten caps.
(5) Turn universal power supply at least 6 hours before gettig test run in order to current to crank heater.
If current-carrying hours are too short, it may result in a malfunction of compressor.
(6) Confirm operation of high-pressure switch.
If the two lead wires of the outdoor unit fan motor are disconnected from the connector and cooling is performed, the high-pressure switch should operate and stop the unit after 5 to 10 minutes.
(7) Confirm that the fans of the indoor and outdoor unit rotate in the correct direction.
Change the power supply phase connections if it is rotating in the reverse direction.

Perform trial operation after completion of the above items.

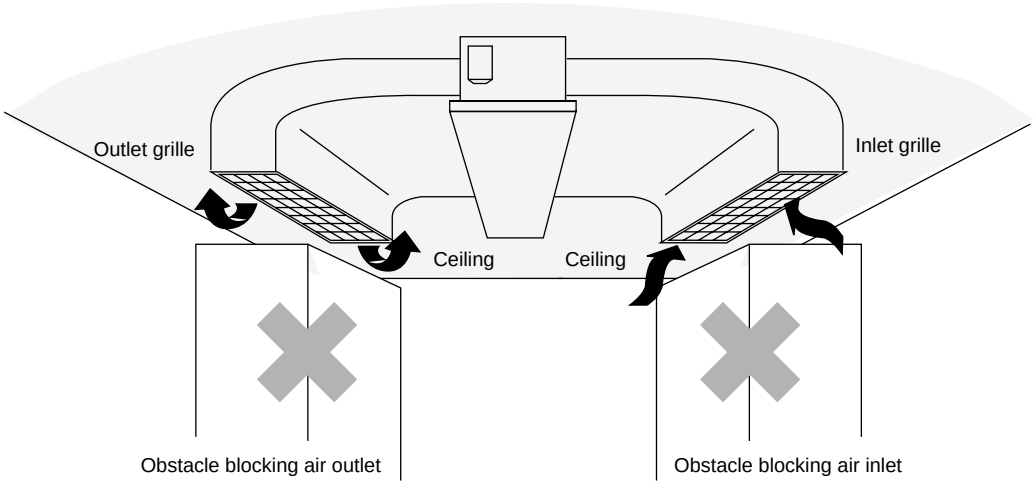
INSTRUCTIONS FOR USE

1. Check points for operation

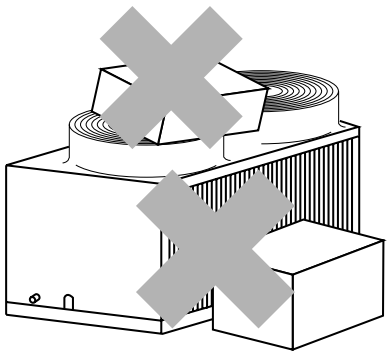
Check the following points before you operate your air conditioner.

(1)Check that there is nothing blocking the flow of air from the air outlet into the air inlet.

Indoor unit

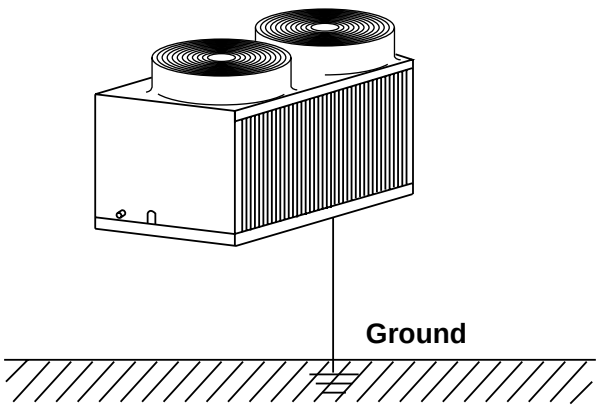


Outdoor unit



Obstacle blocking air inlet.

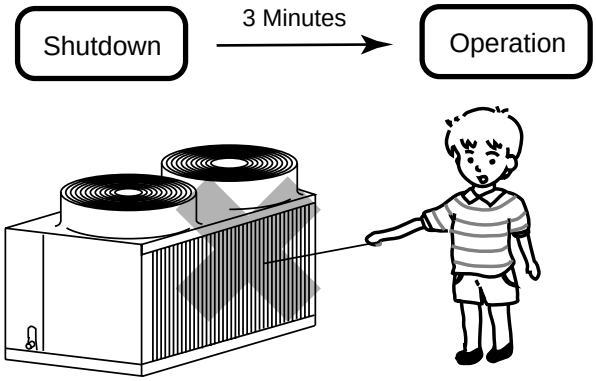
(2)Make sure the air conditioner is properly grounded by checking the ground terminal.



2. Caution for use

Keep the following points in mind to safeguard against failures and breakdowns.

(1) This air conditioner does not restart within 3min. after shut down.(These models have a crankcase heater in the compressor. If the air conditioner is shut down for a short time, please do not turn the power switch to OFF, but turn the operation switch to OFF.)
(2) If the air conditioner is shut down by a power failure, set the operation switch to OFF. When the poweris estored, normal air conditioner operation can be resumed.
(3) Do not insert a finger or rod into the air outlet and inlet. It can cause injury as the fan inside is rotating at high speed.



3. Maintenance

For superior performance and lasting durability, please do not forget to conduct proper and regular maintenance

⚠ Warning

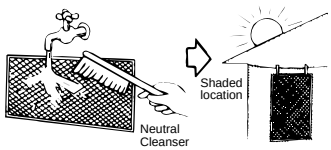
1.Do not wash the unit with water.
If washed with water, electrical shock may be caused.

2.Ahead of the maintenance.
For safety, turn the power source off before service work.

3.1 Cleaning the Air Filter

Clean the air filter about once a week with a neutral cleanser and leave it to dry in a shady location.
Clean more regularly if the air filter gets very dirty.
If the filter gets blocked, air will not be sucked in properly, and the cooling effect will deteriorate.
Failure to clean the air filter may result in equipment breakdown or malfunctions.

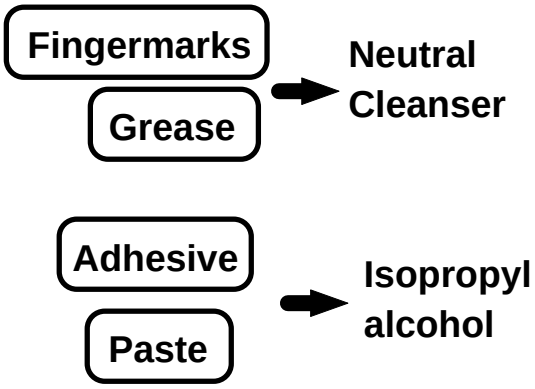
1. Removing the air filter.
2. The air filter is cleaned with the cleaner or washed in clear water.
   When the filter is dirty, please wash it with lukewarm water and some neutral detergent is recommended.
   Please do not use a hot water of 50˚C or more.
   (It transforms occasionally.)
   It is necessary to avoid massage washing and squeeze strongly.
   It must rinse enough and the detergent must not remain.
3. When the filter is washed in clear water, it is often dried in the shade.
   Please do not dry it to direct sunshine and a direct fire.
4. The air filter is installed as before.



3.2 Cleaning panels

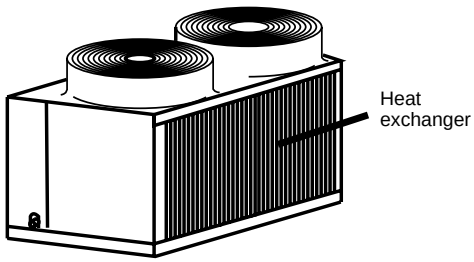
Clean dirt off front panel as follows.
Use a household neutral cleanser such as for dishes or vegetables. Moisten a soft cloth with the cleanser, then wipe lightly. Next,wipe three or four times with another soft cloth moisten with water. Finally, wipe off all the remaining cleanser with a soft cloth.
Moisten a soft cloth with the alcohol, then wipe off lightly.
Isopropyl alcohol is sold at stores as reagents in small quantities.

Note:
Alcohol is highly combustible. Take extreme care when handling.
Also, do not use paint or adhesive thinner.



3.3 Cleaning the Outdoor Unit Heat Exchanger

If you use your air conditioner for prolonged periods, the outdoor heat exchanger will become dirty, impairing its function and reducing air conditioners performance. Consult your equipment supplier or air conditioning contractor on how to clean the heat exchanger.

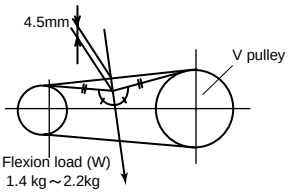


4. The putting adjustment of the belt (PE(H)-15,20 only)

The tension of the belt decrease with the passage of the drive time by total length's expands.
Under such a condition, it occasionally causes the breakdown by a strange wear and an abnormal sound if it keeps driving.
Please have seeing installed manual or consult your dealer about details of the adjustment of V pulley.

Adjustment time

First time:	24 ~ 28 hours later
Since the second times:	Every 2000 hours later
Exchange:	Every 8000 hours later



5. When beginning to use air conditioner again

Please turn on the power supply after confirming an following check is done and abnormality is not found.

It is confirmed that air inlet and outlet are not blocked.
It is confirmed that the earth connection line does not come off.
The earth connection line is installed surely in the unit.
It is confirmed that there are neither lifting, blocking, no bending about the drain-hose.

Please do the following work.

1. It is confirmed to keep the controller OFF.
2. The power supply switch is turned on.

Keep the power switch ON for more than 6 hours before starting operation.
Do not turn the power supply OFF during seasons of heavy use, doing so can result in failure.

6. When the air conditioner is not to be used for long time

If the air conditioner is not to be used for a long time due to a seasonal change, etc.,
Please do the following work.

1. The power supply switch is turned off.
   If the power supply is kept on, several watts or several tends of watts will be wasted.
   Also, the accumulation of dust, etc., can result in fire.
2. Filter and drain pan are cleaned.
   Pay attention to throw dust in the drain.
3. Run it for 4-5 hours with the air blowing until the inside is completely dry.
   Failing to do so can result the growth of unhygienic, unhealthy mold in scattered areas throughout the room.

7. In case of failure

1. Never remodel the air conditioner.
   Consult your dealer for any repair service.
   Improper repair work can result in water leakage, electric shock, fire, etc.
2. If the poser breaker is frequently activated, get in touch with your dealer.
   Leaving the unit as it is under such conditions can result in fire or failure.
3. If the refrigeration gas blows out or leaks, stop the operation of the air conditioner.
4. Thoroughly ventilate the room, and contact your dealer.
   Leaving the unit as it is can result in accidents due to oxygen deficiency.

8. Transferring work, and construction

8.1 Transfer of installation

1. When removing and reinstalling the air conditioner when you enlarge your home, remodel, or move, consult with your dealer in advance to ascertain the cost of the professional engineering work required for transferring the installation.
2. Please do not mix the one other than a specified refrigerant when you add the refrigerant (R-22) at the installation and the transferring.
3. When moving or reinstalling the air conditioner, consult with your dealer.
   Defective installation can result in electric shock, fire, etc.

8.2 Place for installation.

Please do not use the unit in the following places.

1. Place where a lot of oil (The machine oil is contained), moistures, and dust exist.
2. Place where a lot of salinities such as beach districts exists.
3. Place where sulfur gas, volatile gas, and corroded gas are filled.
4. Place where acid solution is frequently used.
5. Place where special spray is frequently used.
6. Hot spring zone.
7. Never machine (high cycle welding machine etc.) generating high cycle.
8. Place where ventilation entrance of outdoor unit is closed by snowfall.
9. The unit must be installed on stable, level surface.

The main body might corrode when the unit is used in such a place, the refrigerant leak, the performance of the unit decrease remarkably, and it cause the damage of parts of the unit.

8.3 Regarding electric work

1. The electrical work must be undertaken by a person who is qualified as an electric engineer according to the (technical standard respecting electrical installation), (internal wiring rules), the installation and operation manual with the absolute use of exclusive circuits. The range of working voltage is within ±10% voltage of power supply.
2. Please install a special power supply in the power supply.
3. Please install the earth connection for the electric shock prevention.
4. Never connect the grounding wire to a gas pipe, water pipe, arrester, or telephone grounding wires.
   For details, consult with your dealer.
5. In some types of installation sites, the installation of an earth leakage breaker is mandatory. For details, consult with your dealer.
6. The breaker and the fuse must use the one of correct capacity.

8.4 Consideration of the noise

1. Take sufficient measures against noise when installing the air conditioners at hospitals or communication-related businesses.
2. If the air conditioner is used in any of the above-mentioned environments, frequent operational failure can be excepted.
   It is advisable to avoid these type of installation sites.
   For further details, consult with your dealer.
3. Choose a place where cool or warm air and noise from the outdoor air outlet of the air conditioner do not inconvenience the neighbours.
4. If any obstruction is placed near the air outlet of the unit, decreased performance and increased noise can result. Do not place any obstruction near the air outlet.
5. If the air conditioner produces any abnormal sound, consult with your dealer.

8.5 Disposing of the unit

When you need to dispose of the unit, consult your dealer.
If pipes are removed incorrectly, refrigerant (fluorocarbon gas) may blow out and come into contact with your skin, causing injury.
Releasing refrigerant into the atmosphere also damages the environments.

8.6 Maintenance and inspection

1. If the air conditioner is used throughout several seasons, the insides can get dirty, reducing the performance.
2. Depending upon the conditions of usage, foul odours can be generated and drainage can deteriorate due to dust and dirt, etc.

9. Troubleshooting

Before you ask for repair service, check the following points:

State of Machine	LCD remote controller	Cause	Troubleshooting
It does not run.	"ON-OFF" display is not lit up. No display appears even when the [ON/OFF] button is pressed.	Power failure.	Press the [ON/OFF] button after power restoration.
		The power supply is turned OFF.	Turn the power supply ON.
		The fuse in the power supply is gone.	Replace fuse.
		The earth leakage breaker is gone.	Put in the earth leakage breaker.
		The wiring phase of power supply is mistaken.	Modify the wiring phase of power supply.
Air flows out but it does not cool or heat enough.	The liquid crystal display shows that it is in the state of operation.	Improper temperature adjustment.	After checking the set temperature and inlet temperature on the liquid crystal display, refer to [To change room temperature] on page 7, and operate the adjustment button.
		The filter is filled with dust and dirt.	Clean up the filter.
		There are some obstacles at the air inlet and outlet of the units.	Remove.
		Windows and doors are open.	Close.
		Insufficient refrigerant charge.	Contact with your installing contractor.
Cool or warm air does not come out.	The liquid crystal display shows that it is in operation.	The restart-preventing circuit is in operation for 3 minutes.	Wait for a while. (To protect the compressor, a 3-minute restart-preventing circuit is built into the unit. Therefore, there are occasions sometimes when the compressor does not start running immediately. There are cases when it does not run for as long as 3 minutes.)
Can not change to Heat mode. (PEH only)	Can not change to Heat mode when press the "MODE" key.	DIP switch 1 is not correct.	Change the DIP switch off to on. (Refer to Installation manual.)
On heating, cool air comes out. (PEH only)		Indoor unit operation shift to defrost.	Wait for a while. (Heating operation starts after ending defrosting operation.)
Fan runs but compressor do not run.		The set temperature of thermostat is excessively high for cooling. excessively low for heating. (PEH only)	For temperature control, decrease the set temperature at cooling. increase the set temperature at heating. (PEH only)
		The room temperature is excessively low for cooling. excessively high for heating. (PEH only)	Can not be operated as it is out of temperature control range.
Fan runs but stops immediately.		Air outlet and inlet are blocked.	Remove blocking matter.
Fogged white steam is discharged from the indoor unit.		When the indoor temperature and humidity are high, such a phenomenon is occasionally had at the beginning of system operation.	It is not a breakdown. Please use as it is.
Water or steam is discharged from the outdoor unit.		At cooling, water which places to cooling piping and piping connection part drops. When heating, water which places to the heat exchanger drops. (PEH only)	It is not a breakdown. Please contact and consult your dealer.
		The drain pipe is clogged due to dust, therefore the drain water overflow.	
On heating, the air flow stops although a set temperature is not reached. (PEH only)		Frost adheres to the outdoor coil when the temperature on the outside is low and humidity is high. This frost is melted.	It is not a breakdown. Please use as it is.

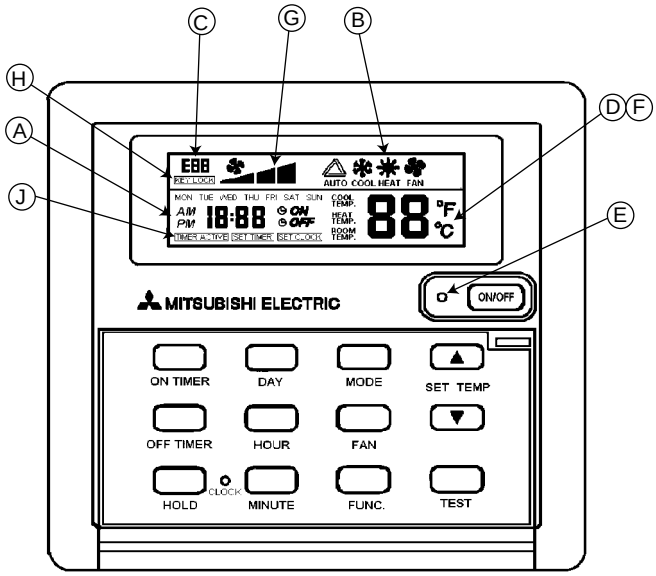
LCD remote controller error display

Indicate	Cause	Troubleshooting
E01	Room temperature sensor open.	Automatically reset to restoration error.
E02	Room temperature sensor short.	Automatically reset to restoration error.
E03	Error input from Indoor unit or Outdoor unit.	Push the On-Off switch. (OFF to ON)

HOW TO OPERATE

If you use the LCD remote controller, you can operate below method.
Please consult operate method with dealer, if you use field supply control parts.

Display section



For purposes of explanation, all the displays on this page are shown in their lit condition. This configuration does not occur in the actual unit.

Before starting operation

* Make sure that the power supply is turned ON before use.
  (Keep the power supply turned ON at all times when the air conditioner is in use. Use of the unit without power can result in compressor failure.)

⚠ Warning:

Check and confirm the power circuit before use. For the contents, refer to the previously described chapter [Crucial points to be observed for safety].

Ⓐ [Current/start/ending time] Display

Ⓑ Operation mode
Displays the status of operation.

Ⓒ [Checking] Display
This displays indication when some abnormality occurs in the unit.

Ⓓ [Set temperature] Display
Displays the set temperature.

Ⓔ [Operation] Lamp
Lights up during operation, goes off during stop.

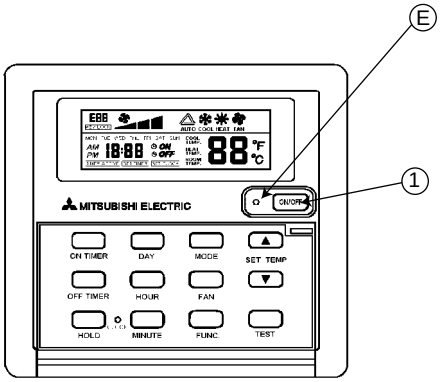
Ⓕ [Room temperature] Display
Displays the temperature of the air sucked in during operation.

Ⓖ [Fan speed] Display
This displays indication High-speed or Low-speed.

Ⓗ [Key lock] Display
This display indication during key lock function active.

Ⓙ [Timer Hold / Resume setting] Display

1. ON / OFF



Ⓔ Operation lamp

Start an operation

Press the [ON/OFF] button ①
Operation lamp lights up and operation starts.

Stop an operation

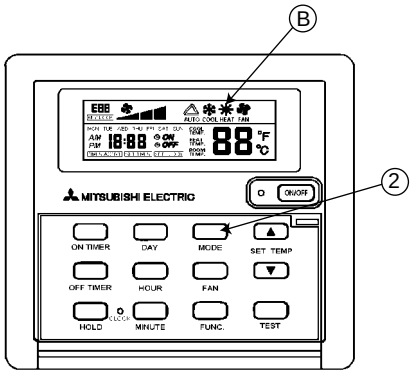
Press the [ON/OFF] button ① again
Operation lamp goes off and operation stops.

* Once the buttons have been set, pressing of the [ON/OFF] button only can repeat the same operation thereafter.
* During operation, the operation lamp above the [ON/OFF] button lights up.

⚠ Caution:

Even if the operation button is pressed immediately after the operation is once stopped, operation is not restarted for about 3 minutes.
This function protects the machine. It automatically starts operation after the lapse of approximately 3 minutes.

2. Selecting operation



Ⓑ Operation mode display

When selecting operation

Press the [MODE] button ②
Consecutive press of the [MODE] button switches the operation over to “FAN”, “COOL”, “HEAT” and ※“AUTO”.
For the contents of operation, check the display.

For fan

Press the [MODE] button ② and bring up the “FAN” display.
* The fan operation functions to circulate the air in the room.
* The temperature of the room cannot be set by fan operation.

⚠ Caution:

Never expose your body directly to cool air for a long time. Excessive exposure to cool air is bad for your health, and should therefore be avoided.

For cooling

Press the [MODE] button ② and bring up the “COOL” display.

For heating (PEH only)

Press the [MODE] button ② and bring up the “HEAT” display.

⚠ Caution:

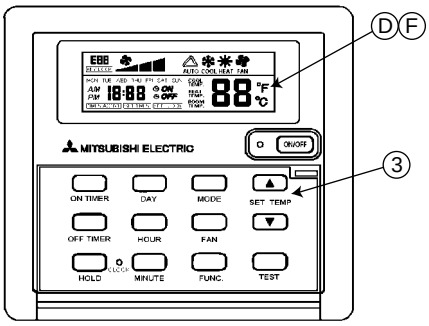
* When the air conditioner is used together with burners, thoroughly ventilate the area. Insufficient ventilation can result in accidents due to oxygen deficiency.
* Never place a burner at a place where it is exposed to the airflow from the air conditioner.
  Doing so can result in imperfect combustion of the burner.

For Auto change over※ (PEH only)

Press the [MODE] button ② and bring up the “AUTO” display.
※This function is special order. Please consult your local Mitsubishi Electric Sales office for application advice on this function.
Because this function need low ambient cooling parts as option.
Indoor temperature can be set within the following range.

Indoor temperature setting range : 17 ~ 30 ˚C

3. Room temperature adjustment



Ⓓ Set temperature display and Ⓕ room temperature display

To change room temperature

Press the [SET TEMP] button ③ and set the room temperature of your choice.
Press △ or ▽ button once changes the setting by 1˚C. If the pressing is continued, the setting continues to change by 1˚C.

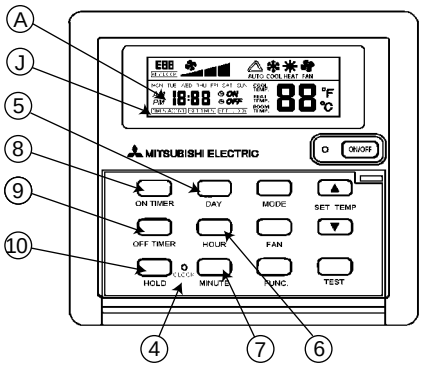
* Indoor temperature can be set within the following range.

Cooling	19 ~ 30 ˚C
Heating	17 ~ 28 ˚C (PEH only)

* It is impossible to set the room temperature by the air-blow operation.

Press △ and ▽ button together, the unit of temperature change “˚C ” (degree-centigrade) and “˚F ”. (degree-Fahrenheit)

4. Time setting



Ⓐ Current time display
Ⓙ Timer Hold/Resume display

Clock setting

Press the [CLOCK] key ④ one time will activate set clock mode.
Press the [CLOCK] key ④ again will disable set clock mode.
Under set clock mode, the real time clock and present day setting can be changed by pressing [DAY] button ⑤ , [HOUR] button ⑥ or [MINUTE] button ⑦ .

⚠ **Caution:** ot allowed to be pushed with the thing of sharp tip.

7-Days timer setting

There are two buttons for timer. One is [ON TIMER] ⑧ , another is [OFF TIMER] ⑨ .
Press the button one time will activate set timer mode.
Press the same button again will disable set timer mode.
Under set timer mode, the 7-days timer setting can be changed by pressing [DAY] button ⑤, [HOUR] button ⑥ or [MINUTE] button ⑦.

Day setting

During set clock mode or set timer mode, press the [DAY] button ⑤ will change the day setting.

Hour setting

During set clock mode or set timer mode, press the [HOUR] button ⑥ will change the hour setting.

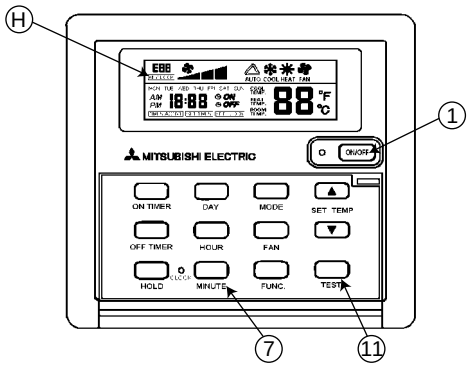
Minute setting

During set clock mode or set timer mode, press the [MINUTE] button ⑦ will change the minute setting.

Timer Hold / Resume setting

If 7-days timer is set, then the word “Timer Active” is displayed Ⓙ
To clear all the timers setting, press and hold the [HOLD] button ⑩ until the word “Timer Active” is not displayed.
To resume the timer setting after timers have been held, press and hold the [HOLD] button ⑩ until the word “Timer Active” is displayed.

5. Other function



Key lock

Press the [MINUTE] button ⑦ three times consecutively, the word “KEY LOCK” will displayed Ⓗ.
At this time, only [ON-OFF] button ① is valid.
This function purpose is protect from mischief of child etc.

To cancel the key lock function, Please press [MINUTE] button ⑦ three times consecutively again.

Test run

Press the [TEST] button ⑪ two times consecutively.
The unit will run and finished automatically after two hours.

LOW AMBIENT COOLING PARTS; OPTION PAC-205FC (Fan controller)

1. Outline

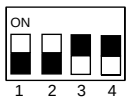
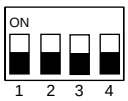
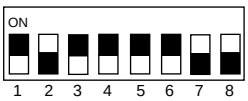
This fan controller apply to following units.

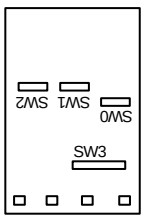
Model name	Q'TY	Model name	Q'TY
PUH-5,8,10 (side blow)	1 set	PUH-15,20	2 set
PUH-7,8,10 (upper blow)			
PU-7,8,10			

These units can be operated on cooling mode at the low ambient temperature with this optional FAN CONTROLLER.
Please read carefully this manual and install following this.

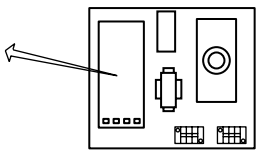
2. Caution

1. Fan controller changes the outdoor fan speed.
   Strong wind is injurious to fan speed controller.
   Please install the windproof when unit is influenced by strong wind such as install it on the place there is no building in surrounding or the rooftop
2. As the case may be the operation with FAN CONTROLLER generate an electromagnetic sound from fan motor.
   Please consider the soundproofing wall equipment etc. when using the fan controller in the place where the noise becomes a problem.
   There is no worry which interferes to the unit though an electromagnetic sound might be generated from fan motor.
3. When shipping the fan controller, the dip switch on the control circuit board is set as follows.
   Do not change factory set of all dip switches.

SW0	SW1	SW2	SW3
			
(3,4 ON)	(All OFF)	(1,3 ON)	(1,3,4,5,6 ON)



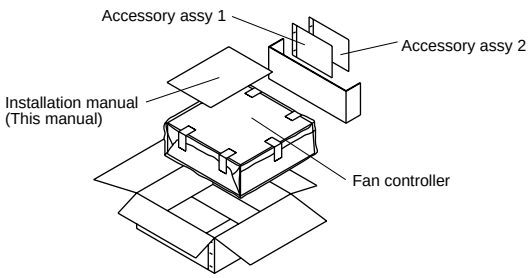
※ Only SW3 direction is different.



Control circuit board　　Fan controller inside

3. Parts

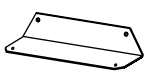
There are the following parts in this box, and confirm whether there are all attached.
There are two kinds of wiring sticker in this box.
Please select the pertinent one by model name.



Accessory assy 1

Name	Wiring sticker	Screw	Connector cap	Spring	Earth sticker	Grommet
Shape						
Amount	2	12	1	1	1	2

Accessory assy 2

Name	Attachment	Attachment	Attachment	Pipe cover	Band	Connector assy
Shape						
Amount	1	1	3	3	15	1

4. Installation

4-1. PU(H)-7,8,10

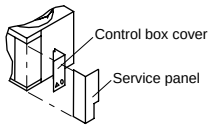
Please use the following parts during installation of fan controller.
There are two kinds of wiring sticker, please use writing as "ONLY PU(H)-7,8,10".

	Accessory assy 1					Accessory assy 2				
Use	①Wiring sticker	② Screw	③Connector cap	④ Spring	⑤Earth sticker	⑥Grommet	⑦Attachment	⑧ Pipe cover	⑨Band	⑩Connector assy
	ONLY PU(H)-7,8,10									
	1	9	1	1	1	2	3	3	15	1

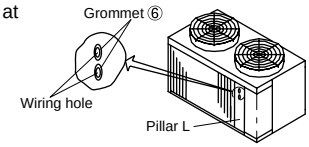
	Accessory assy 1		Accessory assy 2	
Not use	Wiring sticker	Screw	Attachment	Attachment
	1	3	1	1

4-1-1. Install

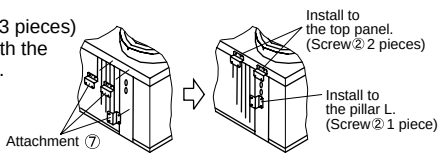
1. The service panel and control box cover are removed.



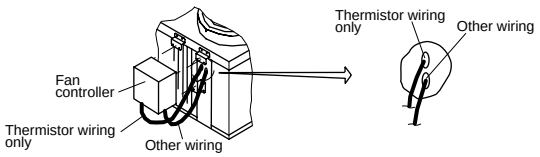
2. Penetrate the knockout holes at the pillar L.
   The grommet ⑥(2 pieces) install to the hole for wiring in the pillar L.



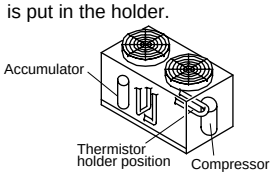
3. The attachment ⑦(3 pieces) install to the unit with the screw ② (6 pieces).



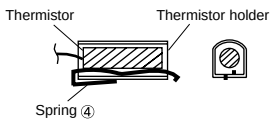
4. Wiring from the fan controller is passed through the hole of procedure 2.
   The thermistor and other wiring should use separate wiring hole.
   The fan controller install to the attachments with the screw ②(3 pieces).



5. Confirm the thermistor holder position.
   The spring ④ insert in the thermistor holder.
   The thermistor (black wiring) which is connected to the fan controller is put in the holder.

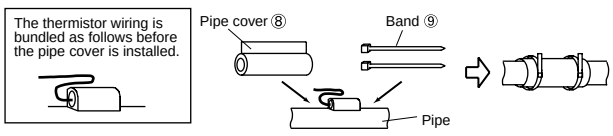


Thermistor position

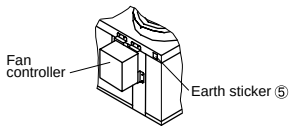


Insert the thermistor

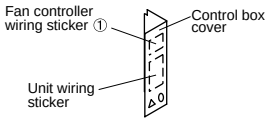
6. Please use the pipe cover ⑧(1 piece) and fix with the band ⑨(2 pieces).



7. The earth sticker and wiring sticker are put on the following place.
   1. The earth sticker ⑤ is put on the top panel.
   2. The wiring sticker ① is put on the control box cover (inside).



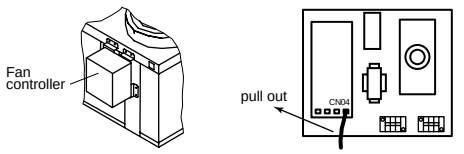
Put a earth sticker



Put a wiring sticker

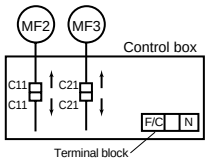
4-1-2. Wiring

1. The wiring from the printed circuit board CN04 is pulled out.
   (In case of PU-7,8,10 only)

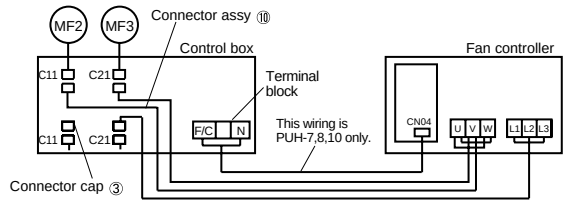


Fan controller inside

2. Disconnect connector C11 - C11 and C21 - C21.
   The connector C11 and C21 remove to the motor side and the control box side.

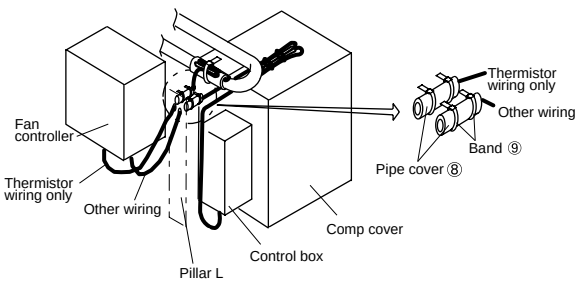


3. Cover the connector C11 (control box side) is cap with the connector cap ③.
   The connector assy ⑩ connect as shown in the figure below.
   When it is connected, the connector is connected in the control box.
   The wiring from CN04 connect to the terminal block (F/C, N)
   in the control box. (In case of PUH-7,8,10 only)



Please be careful, do not damage wires by the sheet metal edges or the fin, etc.

4. After connect wiring, to prevent wiring being damaged with the fin, the pipe cover ⑧(2 pieces) and band ⑨(4 pieces) are used.
   In that time, never bundle the thermistor wiring with other wiring.

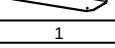
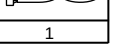


5. After wiring ends, the wiring is bundled with a remaining band.
   Never bundle the thermistor and other wiring together.
6. Ensure there is not wiring mistake found, then only install the controller box cover and service panel.

4-2. PUH-15,20

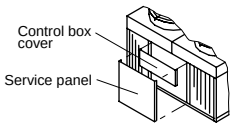
Please use the following parts during installation of fan controller. There are two kinds of wiring sticker, please use writing as "W881927".
The fan controller is necessary for these models by two sets.
(The following accessory parts show the fan controller one set.)

	Accessory assy 1					Accessory assy 2		
Use	①Wiring sticker	② Screw	③ Spring	④Earth sticker	⑤ Grommet	⑥Attachment	⑦ Pipe cover	⑧ Band
								
	1	5	1	1	2	1	3	15

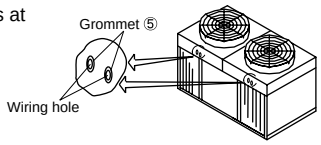
	Accessory assy 1			Accessory assy 2		
Not use	Wiring sticker	Screw	Connector	Attachment	Attachment	Connector assy
	ONLY PU(H)-7,8,10 					
	1	7	1	1	3	1

4-2-1. Install

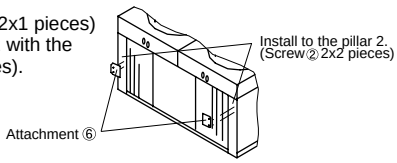
1. The service panel and control box cover are removed.



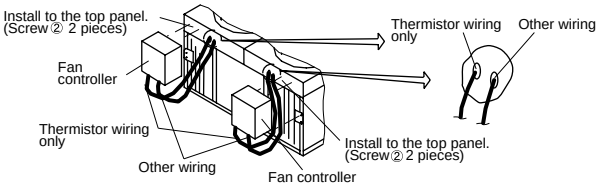
2. Penetrate the knockout holes at the top panel.
The grommet ⑤ (2x2 pieces) install to the hole for wiring in the top panel.



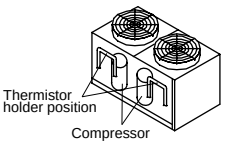
3. The attachment ⑥(2x1 pieces) install to the pillar 2 with the screw ② (2x2 pieces).



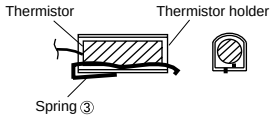
4. Wiring from the fan controller is passed through the hole of procedure 2.
The thermistor and other wiring should use separate wiring hole.
The fan controller install to the attachments with the screw②(2x1 pieces) and install to the top panel with the screw②(2x2 pieces).



5. Confirm the thermistor holder position. (2 places)
The spring ③ (2x1 pieces) insert in the thermistor holder.
The thermistor (black wiring) which is connected to the fan controller is put in the holder.

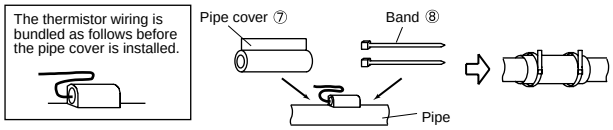


Thermistor position

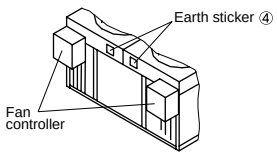


Insert the thermistor

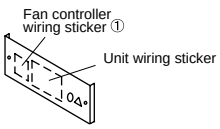
6. Please use the pipe cover ⑦(2x1 pieces) and fix with the band ⑧ (2x2 pieces).



7. The earth sticker and wiring sticker are put on an following place.
   1. The earth sticker ④(2x1 pieces) is put on the top panel.
   2. The wiring sticker ①(1 piece) is put on the control box cover (inside).



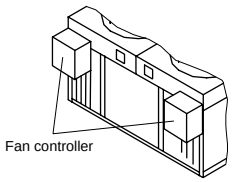
Put a earth sticker

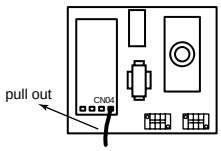


Put a wiring sticker

4-2-2. Wiring

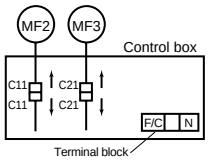
1. The wiring from the printed circuit board CN04 is pulled out.
(In case of PR-15,20 only)



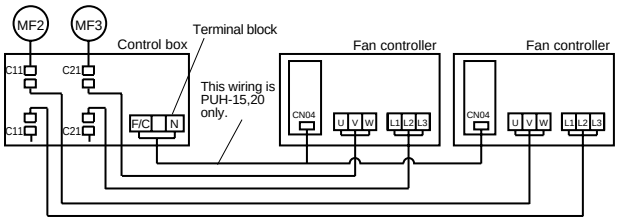


Fan controller inside

2. Disconnect connector C11 - C11 and C21 - C21.
The connector C11 and C21 remove to the motor side and the control box side.

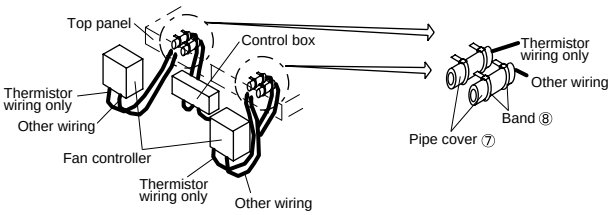


3. When the fan controller is installed, the connector is connected in the control box.
The wiring from CN04 connect to the terminal block (F/C, N) in the control box. (In case of PUH-15,20)



Please be careful, do not damage wires by the sheet metal edges or the fin, etc.

4. After connect wiring, to prevent wiring being damaged with the fin, the pipe cover ⑦(2x2 pieces) and band ⑧(2x4 pieces) are used.
In that time, never bundle the thermistor wiring with other wiring.



5. After wiring ends, the wiring is bundled with a remaining band.
Never bundle the thermistor and other wiring together.

6. Ensure there is not wiring mistake found, then only install the controller box cover and service panel.

4-3. PUH-5,8,10 (Side blow type)

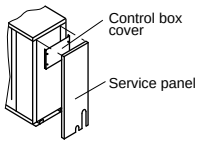
Please use the following parts during installation of fan controller.
There are two kinds of wiring sticker, please use writing as "W881927".

	Accessory assy 1					Accessory assy 2	
Use	①Wiring sticker	② Screw	③ Spring	④Earth sticker	⑤ Grommet	⑥ Pipe cover	⑦ Band
	1	3	1	1	2	3	15

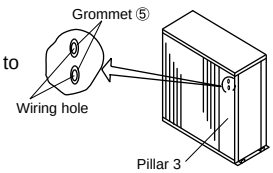
	Accessory assy 1			Accessory assy 2			
Not use	Wiring sticker	Screw	Connector	Attachment	Attachment	Attachment	Connector assy
	ONLY PU(H)-7,8,10						
	1	9	1	1	1	3	1

4-3-1. Install

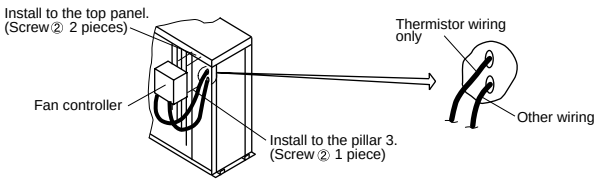
1. The service panel and control box cover are removed.



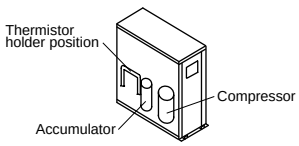
2. Penetrate the knockout holes at the pillar 3.
The grommet ⑤ (2 pieces) install to the hole for wiring in the pillar 3.



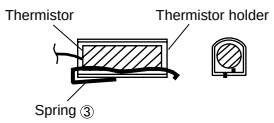
3. Wiring from the fan controller is passed through the hole of procedure 2.
The thermistor and other wiring should use separate wiring hole.
The fan controller install to the pillar 3 with the screw ② (1 piece) and install to the top panel with the screw ② (2 pieces).



4. Confirm the thermistor holder position.
The spring ③ insert in the thermistor holder.
The thermistor (black wiring) which is connected to the fan controller is put in the holder.

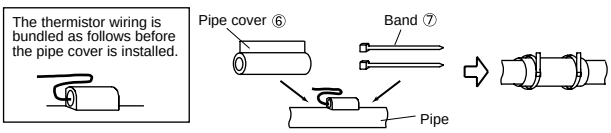


Thermistor position

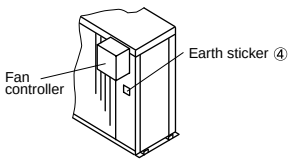


Insert the thermistor

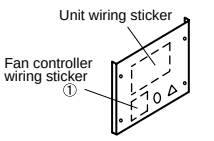
5. Please use the pipe cover ⑥ (1 piece) and fix with the band ⑦ (2 pieces).



6. The earth sticker and wiring sticker are put on an following place.
   1. The earth sticker ④ is put on the pillar 3.
   2. The wiring sticker ① is put on the control box cover (inside).



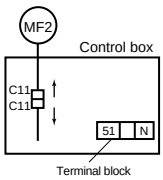
Put a earth sticker



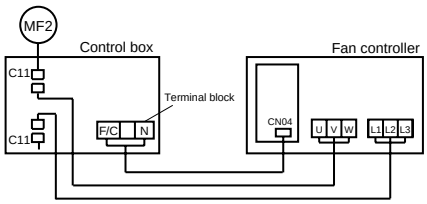
Put a wiring sticker

4-3-2. Wiring

1. Disconnect connector C11- C11.
The connector C11 removes to the motor side and the control box side.

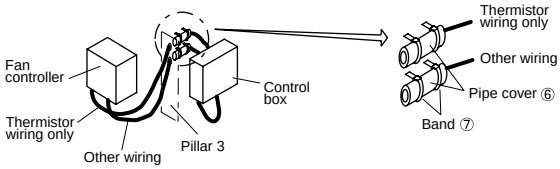


2. When the fan controller is installed, the connector is connected in the control box.
The wiring from CN04 connect to the terminal block (F/C, N) in the control box.



Please be careful, do not damage wires by the sheet metal edges or the fin, etc.

3. After connect wiring, to prevent wiring being damaged with the pipe header, the pipe cover ⑥ (2 pieces) and band ⑦ (4 pieces) are used.
In that time, never bundle the thermistor wiring with other wiring.



4. After wiring ends, the wiring is bundled with a remaining band.
Never bundle the thermistor and other wiring together.

5. Ensure there is not wiring mistake found, then only install the controller box cover and service panel.

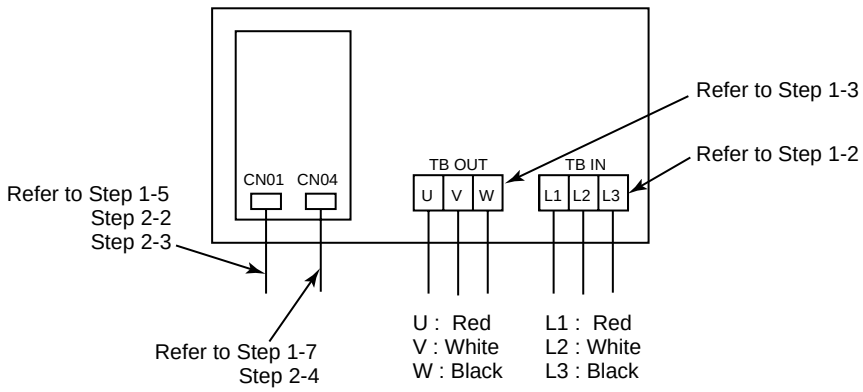
5. Before starting the trial run.

Please execute the following confirmations to prevent wrong connection.
If there is wrong connection, it may damage fan controller, but also damage the unit.

Confirmation

Please intercept the power supply without fail, and secure safety when you execute detaching wiring, the connector, and the measurement machine to the following work.

Step		Confirmation matter	Check	Correspondence
Step 1 Connected confirmation	Step 1-1	Is fan controller's power supply input wiring position connected correctly as shown in installed manual?		
	Step 1-2	Is the phase of the connection of fan controller power supply input (TB IN) accurate?		
	Step 1-3	Is the phase of the connection of fan controller output (TB OUT) accurate?		
	Step 1-4	Is the phase of connection of fan controller output wiring to fan motor accurate?		
	Step 1-5	Is the thermistor for the condensing temperature detection of the attachment connected with CN01?		
	Step 1-6	Is the thermistor for the condensing temperature detection accurately installed in the unit?		
	Step 1-7	In case of the heat pump model, the wiring for full load input is connected with CN04?		
	Step 1-8	In case of the heat pump model, the wiring for full load input is connected accurately in control box?		
Step 2 Drive confirmation	Step 2-1	Does the fan rotate in a correct direction, when the unit is driven ?		Troubleshooting 1,2
	Step 2-2	The thermistor for the condensing temperature detection is removed to CN01. Drive to the cooling operation. (The unit stops abnormally when the cooling operation drive is continued for a long time occasionally. - High pressure switch off) Whether LED01 has blinked is confirmed. When the unit is in operation, the fan controller output voltage measured in TB OUT, and checked whether the output of about 200V. There is a problem when it is an output of about 300V.		Troubleshooting 3
	Step 2-3	The thermistor for the condensing temperature detection is surely connected with CN01 as before.		
	Step 2-4	In case of the heat pump model and the heating drive is possible, the heating drive is executed and the voltage of CN04 is input AC198V - 264V. In that case, the fan must be full load drive. (The output of the power-supply voltage is confirmed in TB OUT.) When heating cannot be driven, step 1-7, step 1-8 is executed again.		Troubleshooting 4



Fan controller layout

Please intercept the power supply without fail, and secure safety when you execute detaching wiring, the connector, and the measurement machine to the following work.

State of Machine	Cause	Check point	Content of confirmation	Troubleshooting
1. The fun does not run.	1) The power-supply voltage is abnormal.	The value of power-supply voltage is confirmed. (TB IN)	Is the power-supply voltage 342-457V?	The power supply wiring is confirmed, and corrected.
	2) Connected mistake	The fan controller connection is confirmed.	TB IN-NF wiring	The wiring mistake is corrected.
			TB IN-T01-CN02.	
			NF-SCRM-TB OUT	
			CNU, CNV, CNW-SCRM (The connection is noted.)	
			CN02- thermistor	
		The unit side connection is confirmed.	TB OUT - fan motor	
	3) The transformer (T01) is defective.	The resistance is confirmed. (Between the lines of primary side, and lines of secondary side.)	Resistance between the lines of primary side (red and white) about 310 ohm.	Replace the transformer in case of abnormal resistance.
			Resistance between the lines of secondary side (CN02 the connector is removed from the printing wiring board.) Between 1-3 pin about 0.9 ohm	
	4) The thyristor module (SCRM) is defective.	The content of P15 is checked. (SCRM)	The content of P15 is judgment. (SCRM)	Replace SCRM when abnormality is found.
	5) The control printing wiring board is defective.	The blinking of LED01 is confirmed.	After checking item 1)-4), when the power supply is turned on, the blinking of LED01 is confirmed.	At the time of turning on light. (always) The CN01 connector is removed, and measures resistance. When the resistance is 1 kilo-ohm or less, repair the control printing board due to the thermistor short-circuit breakdown. In case of thermistor is correct, the control printing board is defective and exchange.
				At the time of turning off light. The CN01 connector is removed, and measures resistance. When the resistance is 25 kilo-ohm or more, repair the control printing board due to the thermistor open breakdown. In case of thermistor is correct, the control printing board is defective and exchange.
	6) The fan motor and unit side control box are defective.	Fan power supply wiring is connected with fan controller power supply taking out part, and confirm operation.	Whether the voltage is input to fan motor is confirmed. Whether the fan motor operation is confirmed.	When the voltage impression and fan motor does not work, fan motor is defective. When the voltage is not impressed to the fan, the unit side control box is defective. When there is no wrong above-mentioned, it is assumed fan controller connection state, if abnormality relapses, the control printing board is defective and exchange.

State of Machine	Cause	Check point	Content of confirmation	Troubleshooting
2. The fan rotates oppositely.	1) Power supply reverse-phase.	The phase of input voltage is confirmed. (TB IN)	Is the phase of L1, L2, L3 correct?	The phase of L1, L2,L3 is corrected.
	2) Output wiring supply reverse-phase.	The phase of fan motor output wiring is confirmed. (TB OUT)	Is the phase of U, V, W correct?	The phase of U, V, W is corrected.
	3) Connected mistake	The fan controller connection is confirmed.	TB IN-NF wiring (The connection phase is noted.)	The connected phase is confirmed. The wiring mistake is corrected.
			NF-SCRM-TB OUT (The connection phase is noted.)	
			CNU, CNV, CNW-SCRM (The connection is noted.)	
3. The rotation speed of fans cannot control. •Something wrong occurs by step2-2 drive confirmation of installed confirmation matter. •It becomes high-pressure abnormal pressure.	1) During heating drive	The input voltage is confirmed. (CN04)	Is not AC198-264V input in CN04?	During heating drive, there is an input in CN04 and the fan becomes full load drive. → Normality
	2) Power supply reverse-phase. Output wiring reverse-phase.	The phase of input voltage is confirmed. (TB IN)	Is the phase of L1, L2, L3 correct?	The phase of L1, L2,L3 is corrected.
		The phase of fan motor output wiring is confirmed. (TB OUT)	Is the phase of U, V, W correct?	The phase of U, V, W is corrected.
	3) Connected mistake	The fan controller connection is confirmed.	TB IN-NF wiring (The connection phase is noted.)	The connected phase is confirmed. The wiring mistake is corrected.
			TB IN-T01-CN02 (The connection phase is noted.)	
			NF-SCRM-TB OUT (The connection phase is noted.)	
			CNU, CNV, CNW-SCRM (The connection is noted.)	
			CN02- thermistor	
			CN04- the wiring for full load input in heating (CN04 input is AC198-264V in heating.)	In cooling, when there is an input in CN04, wiring of CN04 is mistake connection. The wiring is corrected.
			There must not be connector connection in CNX. (CNX is compulsion full load input. Full load when short-circuited.)	When there is a connector connection in CNX, it is removed.
		The unit side connection is confirmed.	TB OUT - fan motor (The phase (U, V, W) is noted.)	The connected phase is confirmed. The wiring mistake is corrected.
			Position of the wiring for full load input (In heating)	When there is an input in CN04, the fan is full load.
			Installation position of thermistor	If the position where the thermistor is installed is wrong, the rotation speed control of the fan as condensing temperature is impossible.
	4) The control printing wiring board setting is defective.	The set of dip switch is confirmed. (SW0-3) (P2)	It is confirmed that the switch setting is corresponding to the electric wiring diagram.	The control substrate is matched to setting the electric wiring diagram.
	5) The thyristor module (SCRM) is defective.	The content of P14 is checked. (SCRM)	The content of P14 is judgment. (SCRM)	SCRM exchange when abnormality is found.

State of Machine	Cause	Check point	Content of confirmation	Troubleshooting
	6) The control printing wiring board is defective.	The blinking of LED01 is confirmed.	After checking item 1)-5), when the power supply is turned on, the blinking of LED01 is confirmed.	At the time of turning on light (always) (There is a possibility of the thermistor short-circuit.) The CN01 connector is removed, and measures resistance. When the resistance is 1 kilo-ohm or less, repair the control printing board due to the thermistor short-circuit breakdown. In case of thermistor is correct, the control printing board is defective and exchange.
				At the time of turning off light (There is a possibility of the thermistor open breakdown.) The CN01 connector is removed, and measures resistance. When the resistance is 25 kilo-ohm or more, repair the control printing board due to the thermistor open breakdown. In case of thermistor is correct, the control printing board is defective and exchange.
				At the time of blinking The item 2), 3) are confirmed again, and there is no connection mistake, the control printing board is defective and exchange.
4. The fan never becomes full load drive. (In heating)	1) Connected mistake	The fan controller connection is confirmed.	TB IN-NF wiring	It is confirmed that wiring is correctly connected. The wiring mistake is corrected.
			TB IN-T01-CN02	
			NF-SCRM-TB OUT	
			CNU, CNV, CNW-SCRM (The connection is noted.)	
			CN04- the wiring for full load input (CN04 input is AC198-264V in heating.)	
		The unit side connection is confirmed.	Position of the wiring for full load input (In heating)	The wiring mistake is corrected.
	2) The thyristor module (SCRM) is defective.	The content of P14 is checked. (SCRM)	The content of P14 is judgment. (SCRM)	Replace SCRM when abnormality is found.
	3) The control printing wiring board is defective.	After checking item 1), there is a possibility of a defective printed circuit board if a normal drive is not done.	Item 1) is checked, again.	After checking item 1), if there is no problem, the control printing board is defective and exchange.

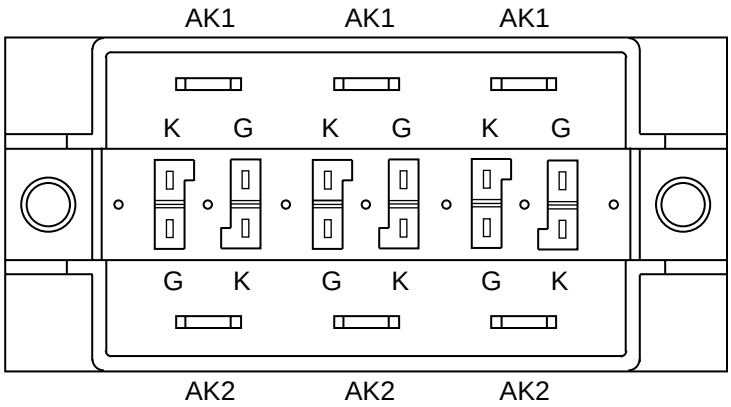
Thyristor module (SCRM)

<Judgment Method> Measure the resistance between each of the SCRM pins and judge if there is a failure or not by the resulting values.

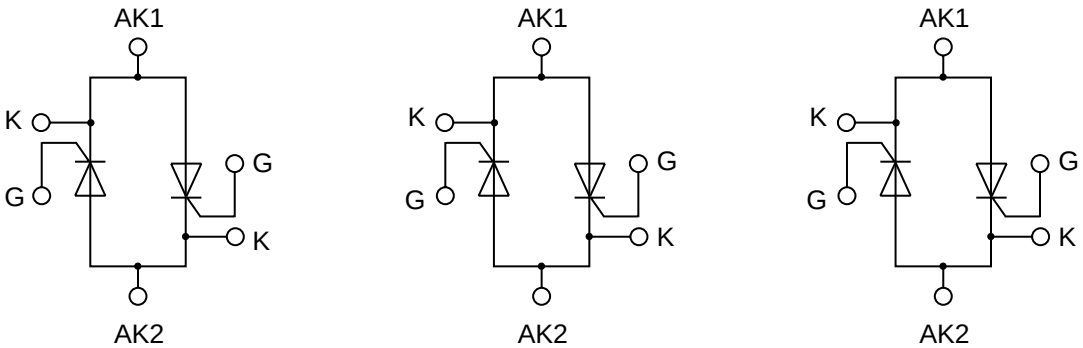
<Judgment Values 1> Check between G and K.
Use the smallest resistance range on the tester.
Judgment Value: 1.5 ohm ～ 80 ohm

<Judgment Values 2> Check between AK1 and AK2.
Use the greatest resistance range on the tester.
Judgment Value: 60 kilo-ohm ～ ∞ ohm

<External View>



<Internal Circuit Diagrams>



SPECIFICATION GUIDELINES

Air to air reverse cycle split air conditioning system.

The systems shall operate at out door ambient temperatures as high as __ **ºC**.

The system shall have a total cooling capacity of __kW or greater with an indoor air quantity of __ L/s at __ **ºC** DBand __ **ºC** WB entering indoor coil temperature with a __ **ºC** temperature entering the outdoor coil.

The system shall have a sensible heat capacity of kW or greater with a room DB temperature of __ **ºC**.

The total heating capacity (without electric element heaters) shall be kW or greater at __ **ºC** DB, __ **ºC** WBoutdoorair conditions,with __ **ºC** of indoor air entering indoor coil at __ **ºC** DB.

The compressors shall be a welded high efficiency hermetic type with internal vibration isolation and be equipped with a crankcase heater.

Coils shall be of non-ferrous construction with mechanically bonded aluminum plate fins Outdoor coils shall be made, of 9.52mm OD, 0.35mm thick formless copper tubes mechanically bonded to 0.12mm thick aluminum plate fins.

Face area of the coil shall not be less than __ m^2 The coil shall be factory pressure and leak tested at 3.3 MPa pressure. The indoor coil face area shall be not less than __ m^2.

Multi-wing propeller type fans shall be fitted at the condenser and shall be dynamically balanced, to ensure smooth airflow and shall discharge vertically and be direct driven by a weatherproof three phase squirrel cage __kW induction motor.

The system shall be factory wired and all electrical wiring must comply with the Local wiring code (Controls and control wiring shall be supplied by the contractor). Compressors and fan motors shall have both internal and current sensitive overload devices.

An automatic defrost control shall be included to accomplish defrosting (only if required) every __minutes for a period of __minutes.

High pressure switch (pre-set) shall be factory installed.

The enclosure is weatherproof casing constructed of phosphatized, zinc coated steel with powder coating.
(OUTDOOR UNIT)

The unit shall be provided with hoisting plates for rigging and hoisting the unit. The hoisting plates shall be located in the pillars. (OUTDOOR UNIT)

The unit shall have a drain connection provided (25mm BSP:male thread).

The enclosure shall have openings provided for power connections.

Access for both service and installation shall be provided to compressors, control wiring, and fans.

Side panels and top panels shall be removable for easy service access.

The unit maximum dimensions shall be : height: __mm, width: __mm and depth: __mm (INDOOR UNIT)
: height: __mm, width: __mm and depth: __mm (OUTDOOR UNIT)

Due to continuous product development, these guidelines are subject to change.

DATA BOOK PE,PEH

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