

PQHY-P200, 250, 300YHM-A

Unit : mm

- Note 1. Close a hole of the water piping, the refrigerant piping, the power supply, and the control wiring and unused knockout holes with the putty etc. so as not to infiltrate rain water etc. (field erection work)
- Note 2. At the time of product shipment, the front side piping specification serves as the local drainage connection. When connecting on the rear side, please remove the rear side plug sealing corks, and attach a front side. Ensure there is no leak after the attachment has been fitted.
- Note 3. Take notice of service space as Fig. A. (In case of single installation, 600mm or more of back space as front space makes easier access when servicing the unit from rear side)
- Note 4. If water pipes or refrigerant pipes stretch upward, required space for service and maintenance due to replacement of control box is shown in Fig. B.
- Note 5. Environmental condition for installation; -20~40°C (DB) as indoor installation.
- Note 6. In case the temperature around the heat source unit has possibility to drop under 0°C, be careful for the following point to prevent the pipe burst by the water pipe freeze-up.
  - Circulate the water all the time even if the heat source unit is not in operation.
  - Drain the water from inside of the heat source unit when the heat source unit will not operate for a long term.
- Note 7. Ensure that the drain piping is downward with a pitch of more than 1/100.
- Note 8. The detachable leg can be removed at site.
- Note 9. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.

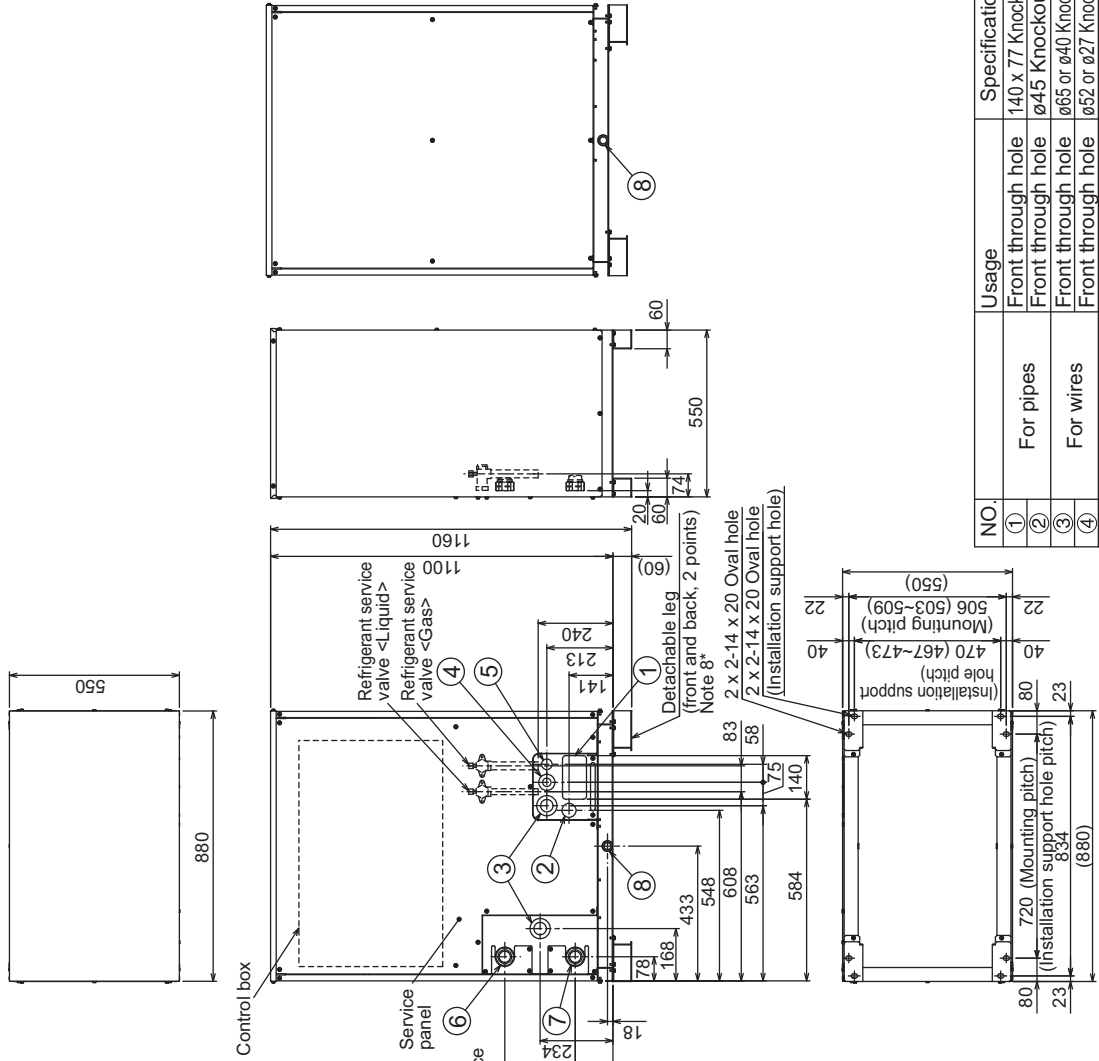


Fig. B

Fig. A

<Accessories>

- Refrigerant (Liquid) conn. pipe .....1 pc. (P200/P250/P300 ; Packaged in the accessory kit)
- Refrigerant (Gas) conn. pipe .....1 pc. (P200/P250/P300 ; Packaged in the accessory kit)

Connecting pipe specifications

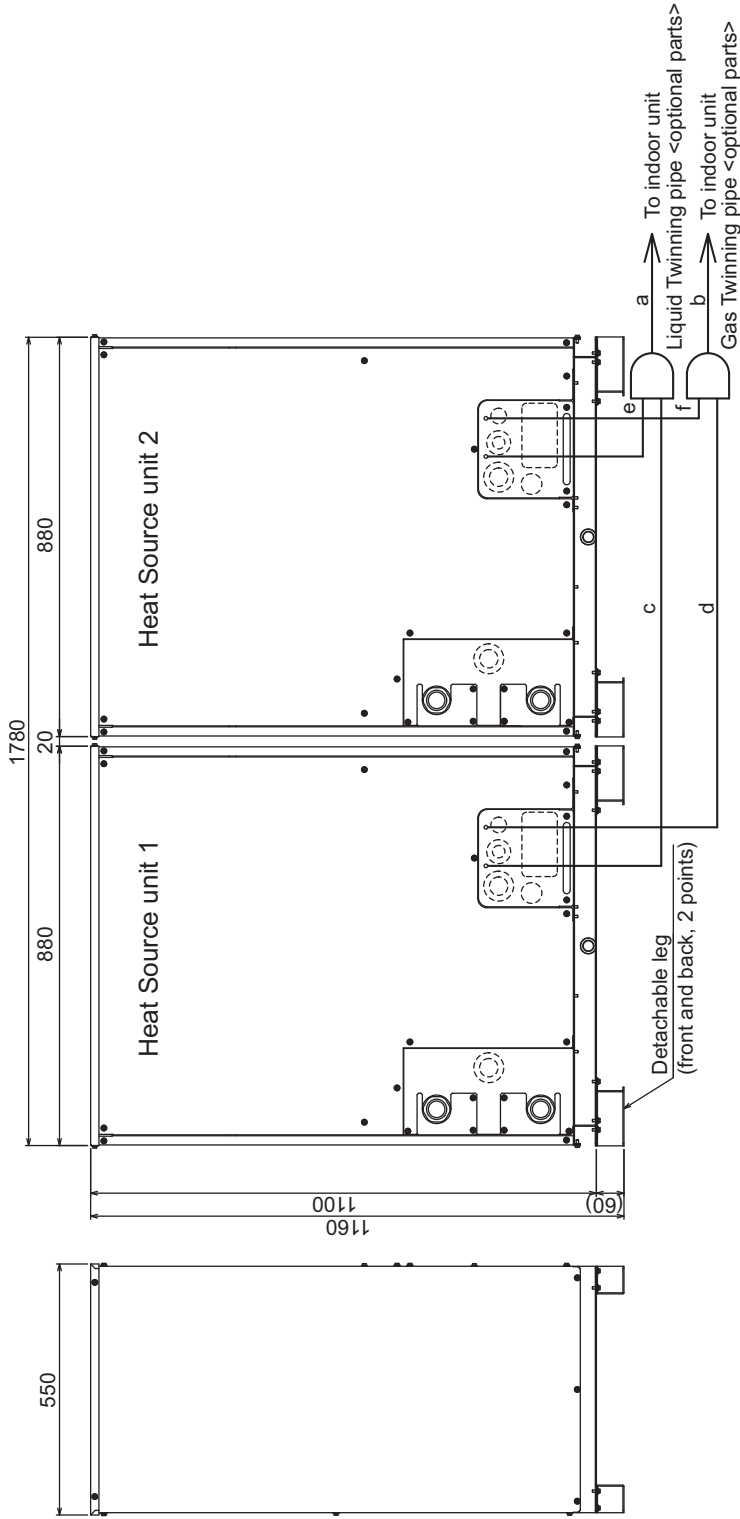
Model	Connection specifications for the refrigerant service valve	
	Liquid	Gas
PQHY-P200YHM-A	ø19.05 Brazed *1	Gas
PQHY-P250YHM-A	ø19.05 Brazed *1	Gas
PQHY-P300YHM-A	ø22.2 Brazed *1	Gas

\*1. Connect by using the connecting pipes that are supplied.

NO.	Usage	Specifications
①	Front through hole	140 x 77 Knockout hole
②	For pipes	ø45 Knockout hole
③	For wires	ø65 or ø40 Knockout hole
④	For transmission cables	ø52 or ø27 Knockout hole
⑤	Water pipe inlet	ø34 Knockout hole
⑥	Drain pipe outlet	Rc1-1/2 Screw
⑧		Rc3/4 Screw

PQHY-P400, 450, 500, 550, 600YSHM-A

Unit : mm



- Note 1. Connect the pipes as shown in the figure above. Refer to the table below for the pipe size.  
 2. The detachable leg can be removed at site.  
 3. Twinning pipe should not be tilted more than 15 degrees from the ground.  
 4. See the Installation Manual for the details of Twinning pipe installation.  
 5. The length of the straight part of pipe connected in front of the twinning pipe must be 500mm (19inch) or longer.

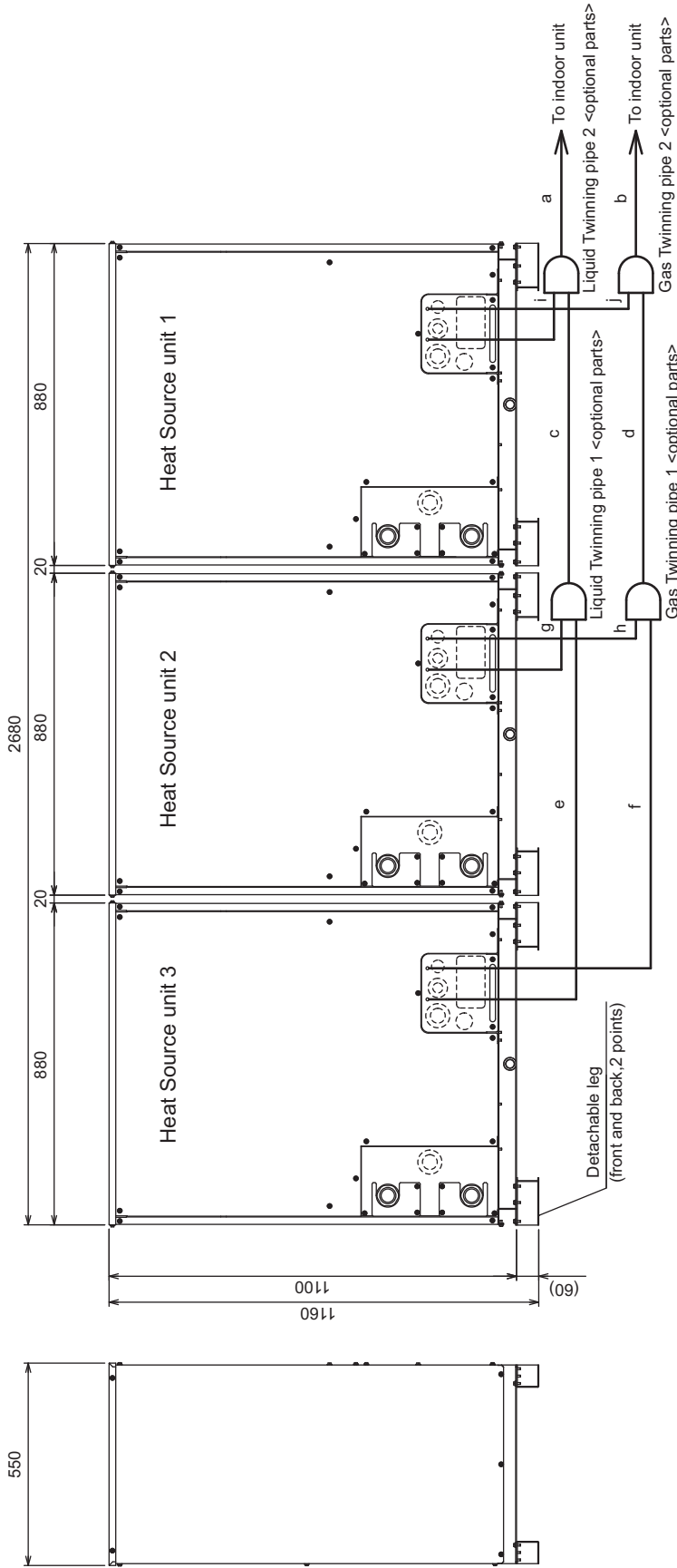
Twinning pipe connection size

Package unit name	PQHY-P400YSHM-A	PQHY-P450YSHM-A	PQHY-P500YSHM-A	PQHY-P550YSHM-A	PQHY-P600YSHM-A
Heat Source unit 1	PQHY-P200YHM-A	PQHY-P250YHM-A	PQHY-P300YHM-A	PQHY-P300YHM-A	PQHY-P300YHM-A
Heat Source unit 2	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P250YHM-A	PQHY-P250YHM-A	PQHY-P300YHM-A
Twinning pipe Kit (optional parts)	CMY-Y100VBK2				
Indoor unit ~	ø12.7	ø15.88			
Twinning pipe		ø28.58			
Twinning pipe ~		ø9.52	ø12.7		
Heat Source unit 1		ø19.05	ø22.2		
Twinning pipe ~		ø9.52	ø12.7		
Heat Source unit 2		ø19.05	ø22.2		

WY

PQHY-P650, 700, 750, 800, 850, 900YSHM-A

Unit : mm



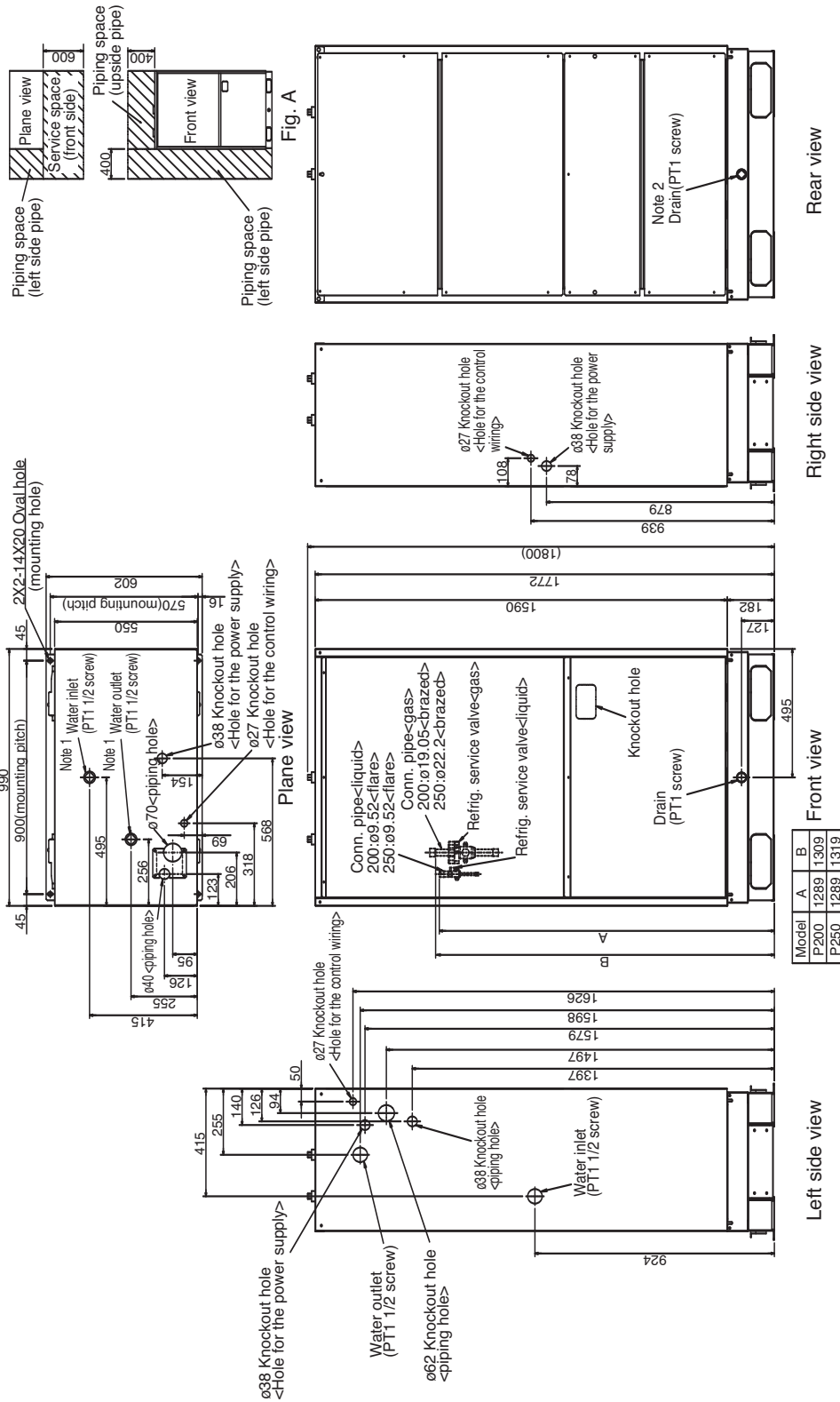
Twinning pipe connection size											
Package unit name	PQHY-P650YSHM-A	PQHY-P700YSHM-A	PQHY-P750YSHM-A	PQHY-P800YSHM-A	PQHY-P850YSHM-A	PQHY-P900YSHM-A	PQHY-P950YSHM-A	PQHY-P1000YSHM-A	PQHY-P1050YSHM-A	PQHY-P1100YSHM-A	PQHY-P1150YSHM-A
Heat Source unit 1	PQHY-P250YHM-A	PQHY-P250YHM-A	PQHY-P250YHM-A	PQHY-P250YHM-A	PQHY-P250YHM-A	PQHY-P250YHM-A	PQHY-P250YHM-A	PQHY-P250YHM-A	PQHY-P250YHM-A	PQHY-P250YHM-A	PQHY-P250YHM-A
Heat Source unit 2	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A
Heat Source unit 3	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A	PQHY-P200YHM-A
Twinning pipe kit (optional parts)	CMY-Y300VBK2										
Indoor unit-Twinning pipe 2	a	ø19.05									
	b	ø34.93									
Twinning pipe 1-Twinning pipe 2	c	ø19.05									
	d	ø34.93									
		ø41.28									

Unit model	Liquid ø	Gas ø
P200	ø12.7	ø19.05
P250	ø12.7	ø19.05
P300	ø12.7	ø22.2

- Note 1. Connect the pipes as shown in the figure above. Refer to the table below for the pipe size.
- The detachable leg can be removed at site.
  - Twinning pipe should not be tilted more than 15 degrees from the ground.
  - See the Installation Manual for the details of Twinning pipe installation.
  - The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm (19inch) of straight section (\*including the straight pipe that is supplied with the Twinning pipe).
  - Only use the Twinning pipe by Mitsubishi (optional parts).

PQHY-P200,250YGM-A

Draw. : OU-W663145  
Unit : mm



Note 1. Close a hole of the water piping, the refrigerant piping, the power supply, and the control wiring and unused knockout holes with the putty etc. so as not to infiltrate rain water etc. (field erection work).

Note 2. At the time of product shipment, the front side piping specification serves as the local drainage connection. When connecting on the rear side, please remove the rear side plug sealing corks, and attach a front side. Ensure there is no leak after the attachment has been fitted.

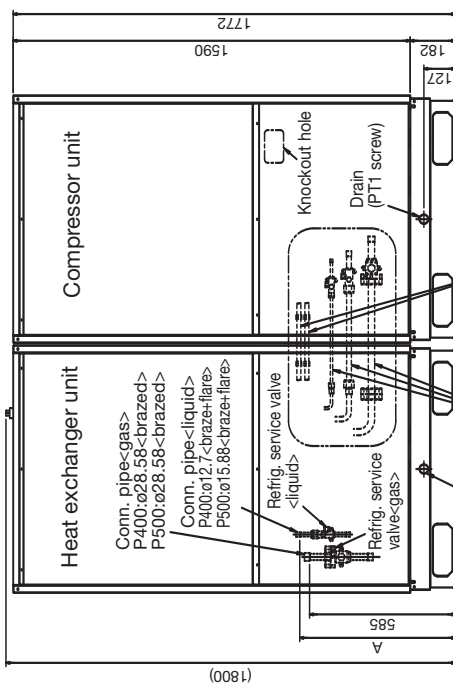
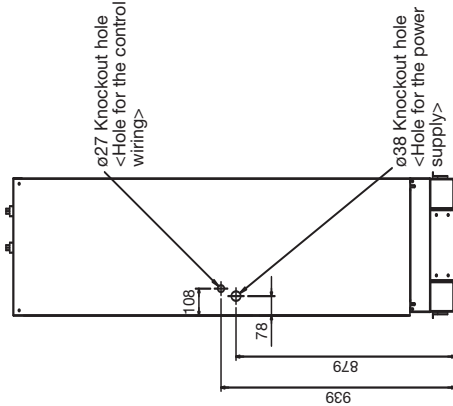
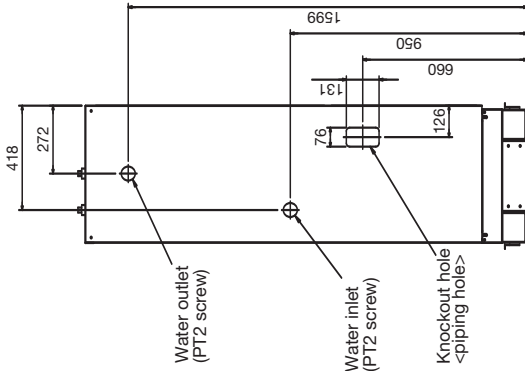
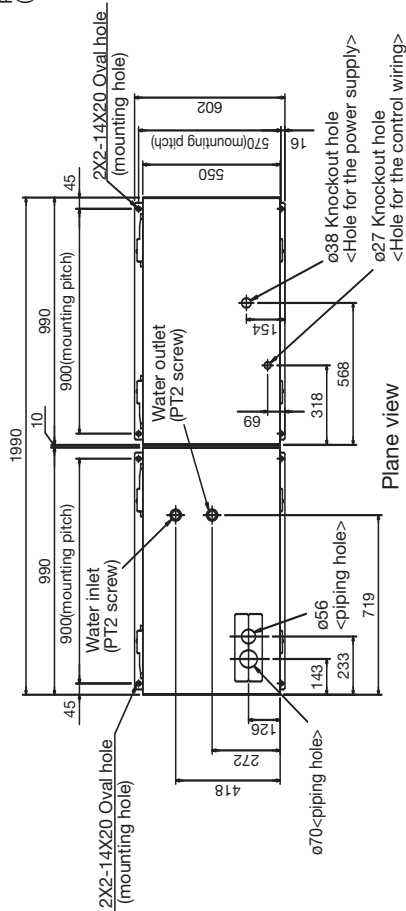
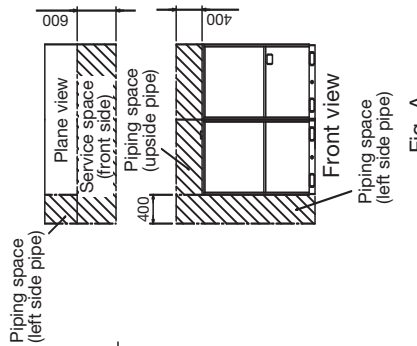
Note 3. Take notice of service space as Fig. A. (In case of single installation, 600mm or more of back space as front space makes easier access when servicing the unit from rear side.)

Note 4. In case the temperature around the Heat source unit has possibility to drop under 0°C, be careful for the following point to prevent the pipe burst by the water pipe freeze-up.  
-Circulate the water all the time even if the Heat source unit is not in operation.  
-Drain the water from inside of the Heat source unit when the Heat source unit will not operate for a long term.

- [Accessories]
- Refrigerant (gas) conn. pipe..... 1pc. (Already installed on the unit)
  - Packing for conn. pipe..... 1pc. (Attached near the ball valve)
  - Bushing..... 2pcs.

PQHY-P400,500YSGM-A

Draw. : OU-W663147  
Unit : mm



Model	A
400	624
500	569

Connecting pipes are not provided with the 500 models.

- [Accessories]
- Refrigerant (gas) conn. pipe (Already installed on the unit).....1pc.
  - Refrigerant (liquid) conn. pipe (P-400 Only : Packaged in the accessory kit).....1pc.
  - Refrigerant conn. pipe between Heat exchanger unit and Compressor unit (Packaged in the accessory kit).....2pcs.
  - Refrigerant conn. pipe (Packaged in the accessory kit).....2pcs.
  - Packing for conn. pipe (Attached near the ball valve).....3pcs.
  - Bushing.....2pcs.
  - External heater adapter.....1set

- Note 1. Close a hole of the water piping, the refrigerant piping, the power supply, and the control wiring and unused knockout holes with the putty etc. so as not to infiltrate rain water etc. (field erection work).
2. At the time of product shipment, the front side piping specification serves as the local drainage connection. When connecting on the rear side, please remove the rear side plug sealing corks, and attach a front side. Ensure there is no leak after the attachment has been fitted.
3. Take notice of service space as Fig. A. (In case of single installation, 600mm or more of back space as front space makes easier access when servicing the unit from rear side.)
4. In case the temperature around the Heat source unit has possibility to drop under 0°C, be careful for the following point to prevent the pipe burst by the water pipe freeze-up.  
-Circulate the water all the time even if the Heat source unit is not in operation.  
-Drain the water from inside of the Heat source unit when the Heat source unit will not operate for a long term
5. Use the external heater adapter for water Heat source (option) to take length (more than 2m) between Heat exchanger unit and Compressor unit.