

PQRY-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.

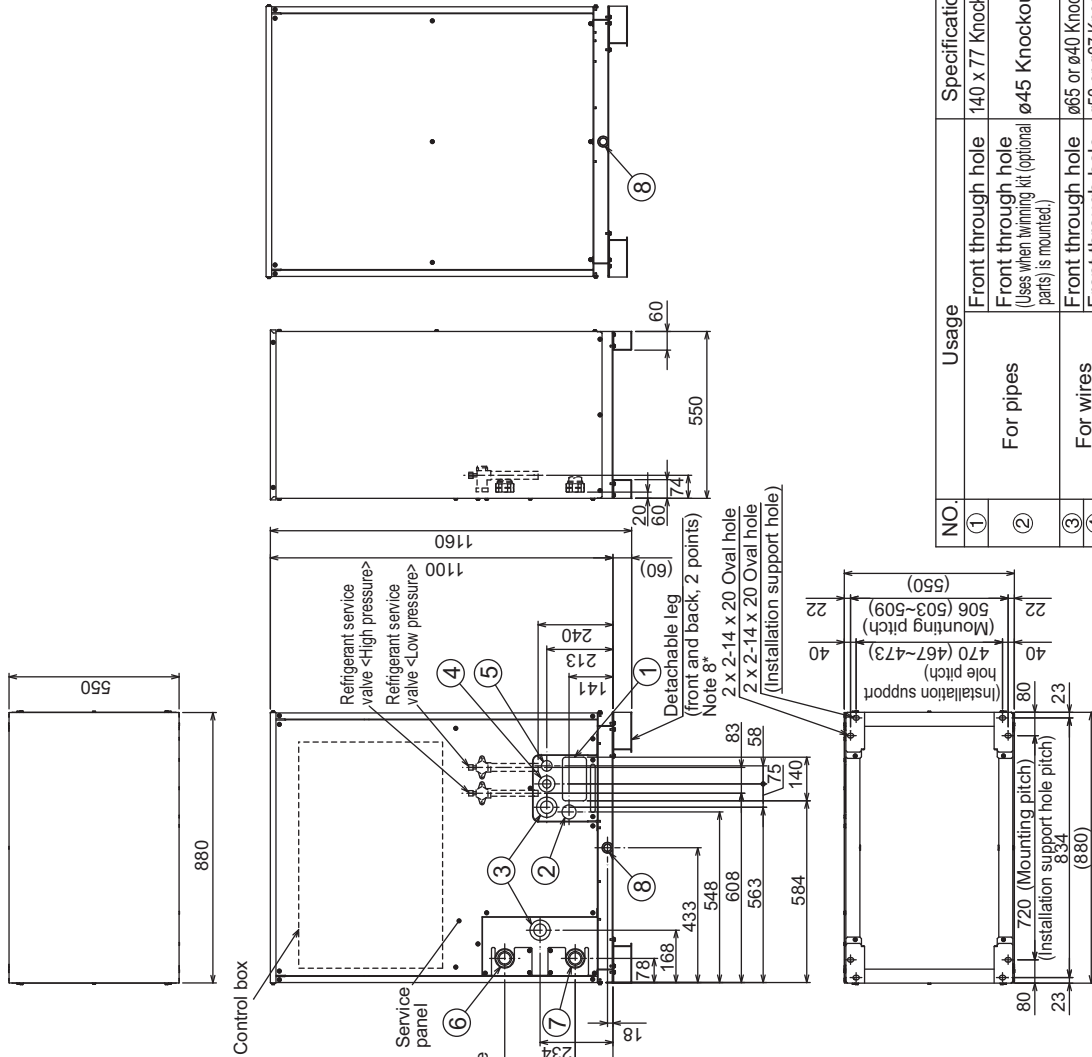


Fig. A

Fig. B

- <Accessories>
- Refrigerant (high pressure) conn. pipe1 pc. (P200 ; Packaged in the accessory kit)
 - Refrigerant (low pressure) conn. pipe1 pc. (P200/P250 ; Packaged in the accessory kit)

Connecting pipe specifications

Model	Connection specifications for the refrigerant service valve	
	High pressure	Low pressure
PQRY-P200YHM-A	ø15.88 Brazed*2	ø19.05 Brazed*2
PQRY-P250YHM-A	ø19.05 Brazed*1	ø22.2 Brazed*2
PQRY-P300YHM-A		

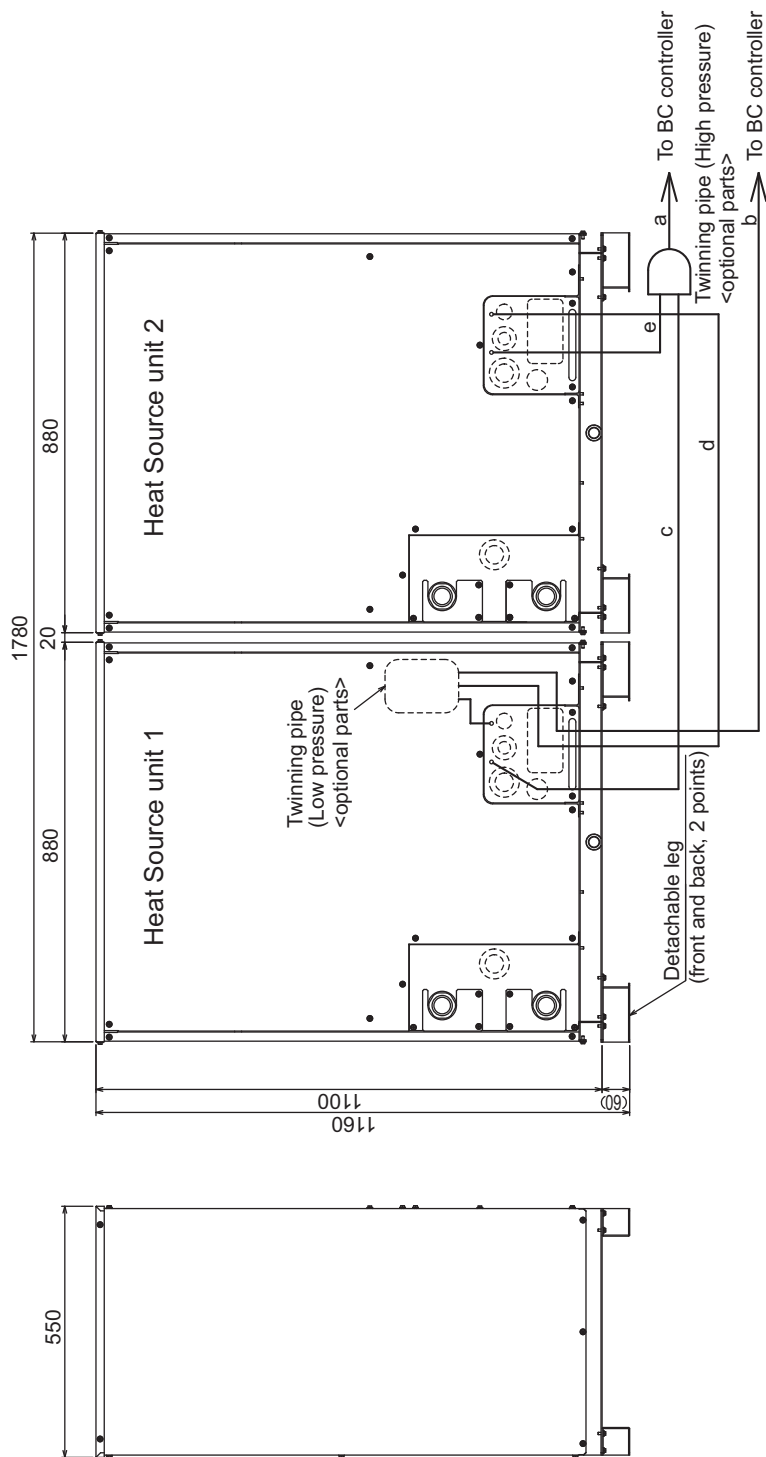
- *1. Expand the field pipes and connect directly to the valve.
- *2. Connect by using the connecting pipes that are supplied.

NO.	Usage	Specifications
①	Front through hole	140 x 77 Knockout hole
②	For pipes	Front through hole (Uses when wiring kit (optional parts) is mounted.) ø45 Knockout hole
③	For wires	Front through hole ø65 or ø40 Knockout hole
④	For transmission cables	Front through hole ø52 or ø27 Knockout hole
⑤	Water pipe inlet	Front through hole ø34 Knockout hole
⑥	Water pipe outlet	Rc1-1/2 Screw
⑦	Drain pipe	Rc3/4 Screw

WR2

PQRY-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 (High pressure) should not be tilted more than 15 degrees from the ground.
 4. See the Installation Manual for the details of Twinning pipe installation.

Twinning pipe connection size

Package unit name	PQRY-P400YSHM-A	PQRY-P450YSHM-A	PQRY-P500YSHM-A	PQRY-P550YSHM-A	PQRY-P600YSHM-A
Component unit name	Heat Source unit 1	PQRY-P200YHM-A	PQRY-P250YHM-A	PQRY-P300YHM-A	PQRY-P300YHM-A
Heat Source unit 2	PQRY-P200YHM-A	PQRY-P200YHM-A	PQRY-P250YHM-A	PQRY-P250YHM-A	PQRY-P300YHM-A
Twinning pipe Kit (optional parts)	CMY-Q100VBK				
BC controller ~	High pressure	a	ø28.58		
Twinning pipe	Low pressure	b	ø28.58		

Twinning pipe ~ Heat source unit	Unit model	High pressure c or e	Low pressure d
	P200 P250 P300	ø19.05	ø22.2