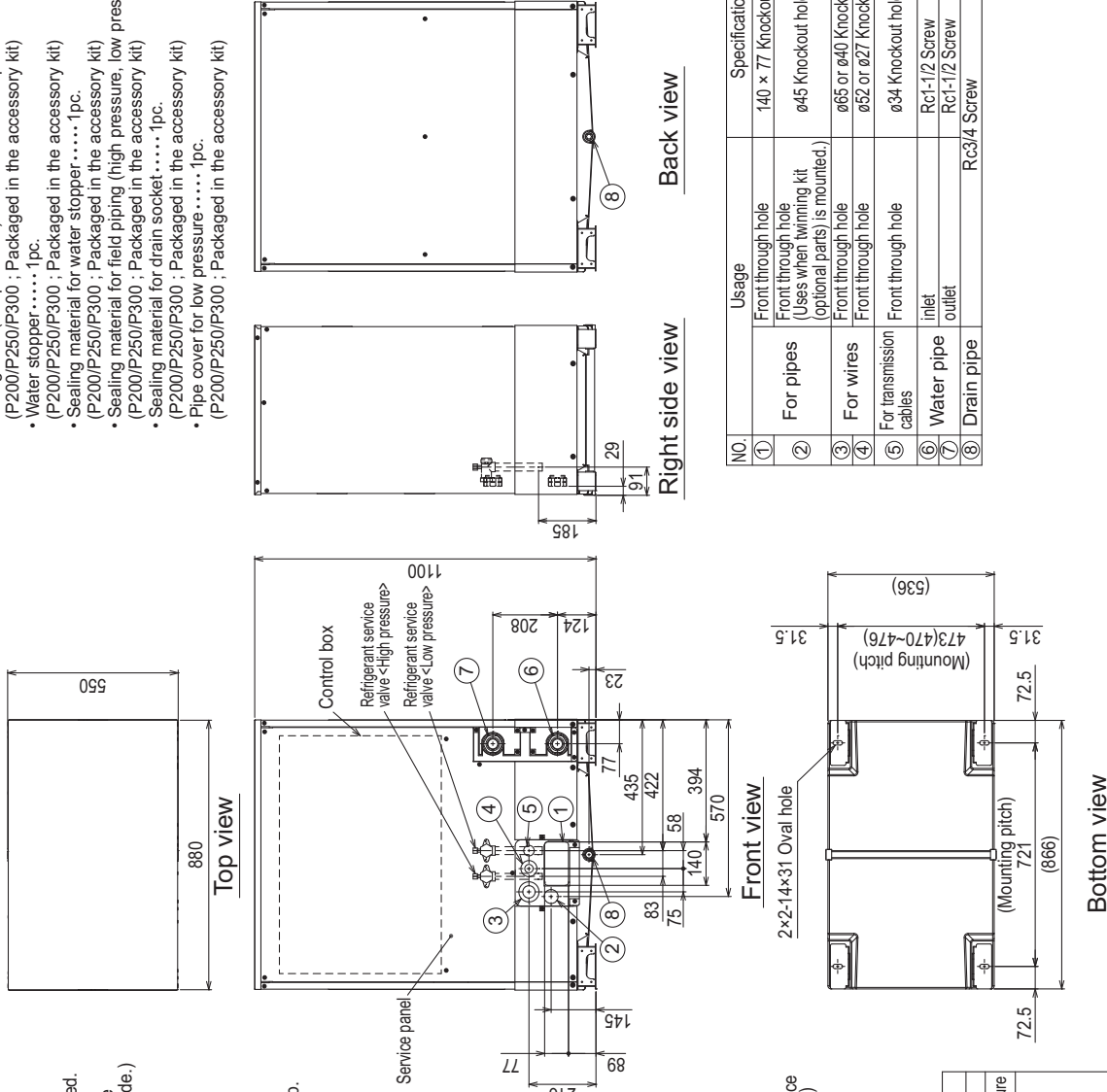


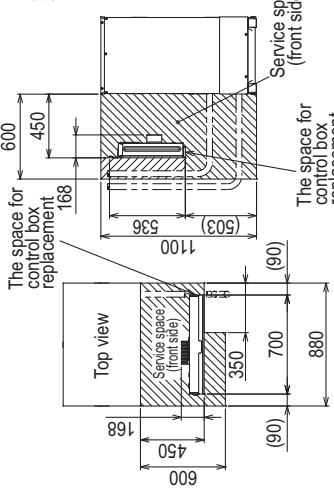
PQRV-P200, 250, 300YLM-A1

Unit: mm

- <Accessories>
- Refrigerant (high pressure) conn. pipe1pc. (P200/P250/P300 ; Packaged in the accessory kit)
 - Refrigerant (low pressure) conn. elbow1pc. (P200/P250/P300 ; Packaged in the accessory kit)
 - Water stopper 1pc. (P200/P250/P300 ; Packaged in the accessory kit)
 - Sealing material for water stopper 1pc. (P200/P250/P300 ; Packaged in the accessory kit)
 - Sealing material for field piping (high pressure, low pressure) 1pc. each (P200/P250/P300 ; Packaged in the accessory kit)
 - Sealing material for drain socket 1pc. (P200/P250/P300 ; Packaged in the accessory kit)
 - Pipe cover for low pressure 1pc. (P200/P250/P300 ; Packaged in the accessory kit)



- Note1. 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)
- Note2. 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.
- Note3. 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.)
- Note4. 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.
- Note5. Environmental condition for installation: -20~40°C(DB) as indoor installation.
- Note6. In case the temperature around the heat source unit has possibility to drop under 0°C or the inlet-water temp. drops under 10°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.
- Note7. Ensure that the drain piping is downward with a pitch of more than 1/100.
- Note8. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.



Connecting pipe specifications

Model	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
PQRV-P200YLM-A1	ø15.88 Brazed *1 *2	ø19.05 Brazed *1 *2	ø19.05	ø25.4
PQRV-P250YLM-A1	ø19.05 Brazed *1 *2	ø22.2 Brazed *1 *2		
PQRV-P300YLM-A1				

*1. Connect by using the connecting pipes and elbow that are supplied.
 *2. Use the pipe joint(field supply) and connect to the refrigerant service valve piping.

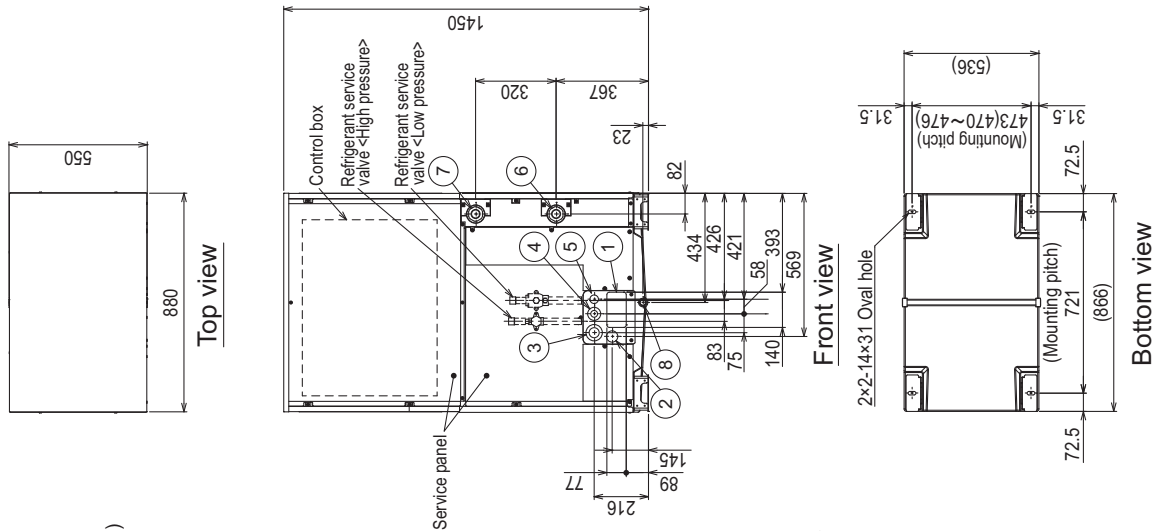
NO.	Usage	Specifications
①	Front through hole	140 x 77 Knockout hole
②	Front through hole (Uses when wiring kit (optional parts) is mounted.)	ø45 Knockout hole
③	Front through hole	ø65 or ø40 Knockout hole
④	Front through hole	ø52 or ø27 Knockout hole
⑤	Front through hole	ø34 Knockout hole
⑥	Water pipe inlet	Rc1-1/2 Screw
⑦	Water pipe outlet	Rc1-1/2 Screw
⑧	Drain pipe	Rc3/4 Screw

PQRY-P350, 400, 450, 500YLM-A1

Unit: mm

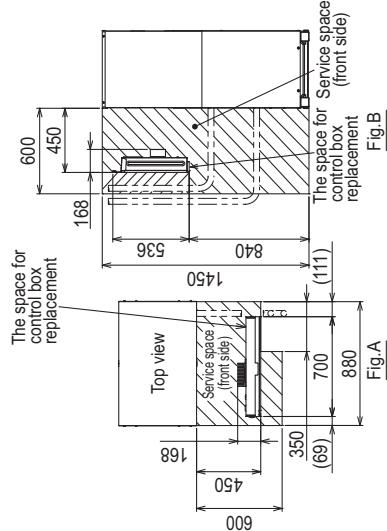
PQRY-P-Y(S)LM-A1

- <Accessories>
- Refrigerant (high pressure) conn. pipe1pc.
(P350/P400/P450/P500 ; Packaged in the accessory kit)
 - Refrigerant (low pressure) conn. pipe1pc.
(P350/P400/P450/P500 ; Packaged in the accessory kit)
 - Water stopper1pc.
(P350/P400/P450/P500 ; Packaged in the accessory kit)
 - Sealing material for water stopper1pc.
(P350/P400/P450/P500 ; Packaged in the accessory kit)
 - Sealing material for field piping (high pressure, low pressure)1pc. each
(P350/P400/P450/P500 ; Packaged in the accessory kit)
 - Sealing material for drain socket1pc.
(P350/P400/P450/P500 ; Packaged in the accessory kit)
 - Pipe cover for low pressure1pc.
(P350/P400/P450/P500 ; Packaged in the accessory kit)
 - Sealing material for base leg (two types)4pcs. each
(P350/P400/P450/P500 ; Packaged in the accessory kit)
 - Sealing material for panel1pc.
(P350/P400/P450/P500 ; Packaged in the accessory kit)



NO.	Usage	Specifications
①	Front through hole	140 x 77 Knockout hole
②	For pipes (Uses when twinning kit (optional parts) is mounted.)	ø45 Knockout hole
③	For wires	ø65 or ø40 Knockout hole
④	Front through hole	ø52 or ø27 Knockout hole
⑤	For transmission cables	ø34 Knockout hole
⑥	Water pipe inlet	Rc1-1/2 Screw
⑦	Water pipe outlet	Rc1-1/2 Screw
⑧	Drain pipe	Rc3/4 Screw

- 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 side 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 or the inlet-water temp. drops under 10°C, be careful for the following point to prevent the pipe burst by the water pipe freeze-up.
- Add brine to water circuit.
 - 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. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.



Connecting pipe specifications

Model	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
PQRY-P350YLM-A1	ø22.2 Brazed	ø28-58 Brazed	ø25.4	ø28.58
PQRY-P400YLM-A1	*1	*1		
PQRY-P450YLM-A1				
PQRY-P500YLM-A1				

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

PQRY-P550, 600YLM-A1

Unit: mm

<Accessories>

- Refrigerant (high pressure) conn. pipe1pc. (P550/P600 ; Packaged in the accessory kit)
- Refrigerant (low pressure) conn. pipe1pc. (P550/P600 ; Packaged in the accessory kit)
- Water stopper1pc. (P550/P600 ; Packaged in the accessory kit)
- Sealing material for water stopper1pc. (P550/P600 ; Packaged in the accessory kit)
- Sealing material for field piping (high pressure, low pressure)1pc. each (P550/P600 ; Packaged in the accessory kit)
- Sealing material for drain socket1pc. (P550/P600 ; Packaged in the accessory kit)
- Pipe cover for low pressure1pc. (P550/P600 ; Packaged in the accessory kit)
- Sealing material for base leg (two types)4pcs. each (P550/P600 ; Packaged in the accessory kit)
- Sealing material for panel1pc. (P550/P600 ; Packaged in the accessory kit)

Top view

Front view

Right side view

Back view

Bottom view

Fig.A
Fig.B

Connecting pipe specifications

Model	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
PQRY-P550YLM-A1	ø22.2 Brazed	ø28.58 Brazed	ø25.4	ø28.58
PQRY-P600YLM-A1	*1 *2	ø34.93 Brazed	*1 *3	

*1. Connect by using the connecting pipes and that are supplied.
 *2. When the piping length is 65 m or longer, use the ø28.58 pipe for the part that exceeds 65 m.
 *3. Use the pipe joint(field supply) and connect to the refrigerant service valve piping.

Note1. 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)

Note2. 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.

Note3. 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.)

Note4. 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.

Note5. Environmental condition for installation: -20~40°C (DB) as indoor installation.

Note6. In case the temperature around the heat source unit has possibility to drop under 0°C or the inlet-water temp. drops under 10°C, be careful for the following point to prevent the pipe burst by the water pipe freeze-up.
 •Add brine to water circuit.
 •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.

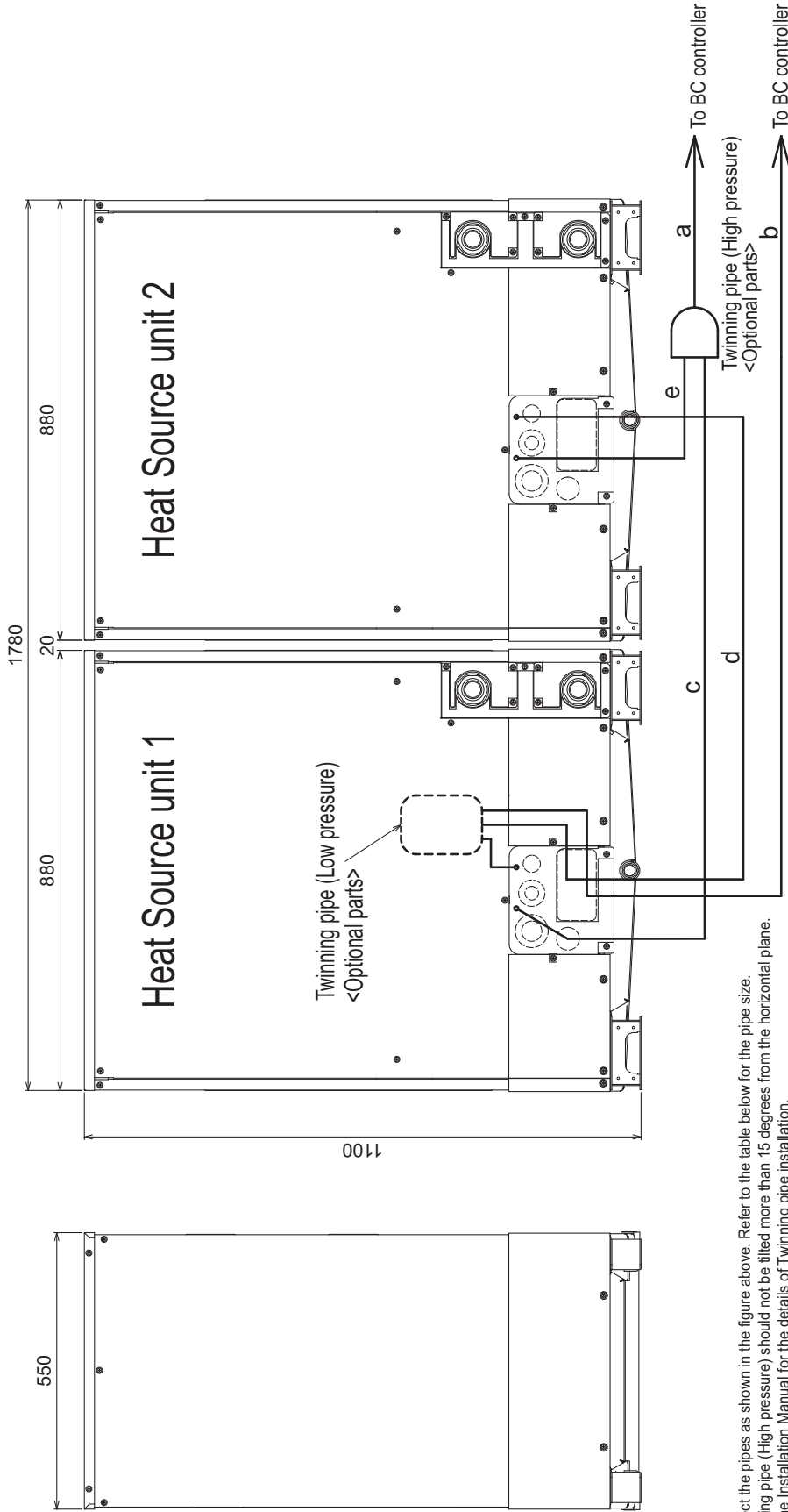
Note7. Ensure that the drain piping is downward with a pitch of more than 1/100.

Note8. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.

NO	Usage	Specifications
①	Front through hole	140 x 77 Knockout hole
②	Front through hole (Uses when twinning kit (optional parts) is mounted.)	ø45 Knockout hole
③	Front through hole	ø65 or ø40 Knockout hole
④	Front through hole	ø52 or ø27 Knockout hole
⑤	Front through hole	ø34 Knockout hole
⑥	For transmission cables	Rc-1/2 Screw
⑦	Water pipe inlet	Rc-1/2 Screw
⑧	Drain pipe outlet	Rc3/4 Screw

PQRY-P400, 450, 500, 550, 600YSLM-A1

Unit: mm



- Note 1. Connect the pipes as shown in the figure above. Refer to the table below for the pipe size.
- 2. Twinning pipe (High pressure) should not be filled more than 15 degrees from the horizontal plane.
- 3. See the Installation Manual for the details of Twinning pipe installation.
- 4. Only use the Twinning pipe by Mitsubishi (optional parts).

Twining pipe connection size

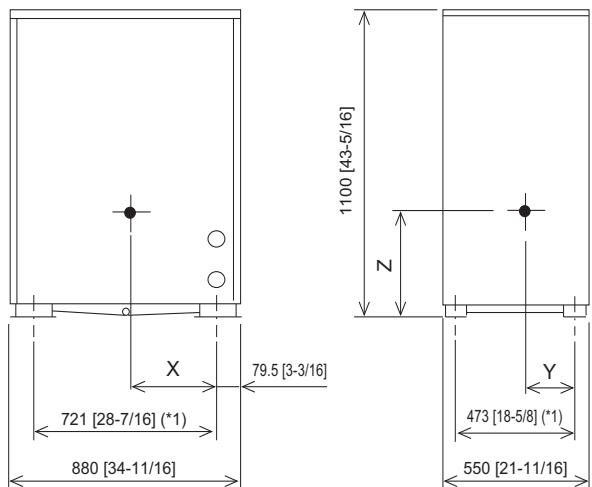
Package unit name	PQRY-P400YSLM-A1	PQRY-P450YSLM-A1	PQRY-P500YSLM-A1	PQRY-P550YSLM-A1	PQRY-P600YSLM-A1
Component unit name	Heat Source unit 1	PQRY-P200YLM-A1	PQRY-P250YLM-A1	PQRY-P300YLM-A1	PQRY-P300YLM-A1
Twining pipe Kit (optional parts)	PQRY-P200YLM-A1	PQRY-P200YLM-A1	PQRY-P250YLM-A1	PQRY-P250YLM-A1	PQRY-P300YLM-A1
BC controller~ Twining pipe					
High pressure	a	ø22.2	ø28.58	ø22.2 *1	ø34.93
Low pressure	b				
Unit model		High pressure core	Low pressure d		
Twining pipe~ Heat source unit		P200	ø15.88 *2	ø19.05 *2	
		P250	ø19.05	ø22.2	
		P300			

*1. When the piping length is 65 m or longer, use the ø28.58 pipe for the part that exceeds 65 m.
 *2. When the package unit name "PQRY-P450YSLM-A1", use the ø19.05 pipe for high pressure and the ø22.2 pipe for low pressure.

PQRY-P-Y(S)LM-A1

PQRY-P200, 250, 300YLM-A1

Unit: mm [in.]

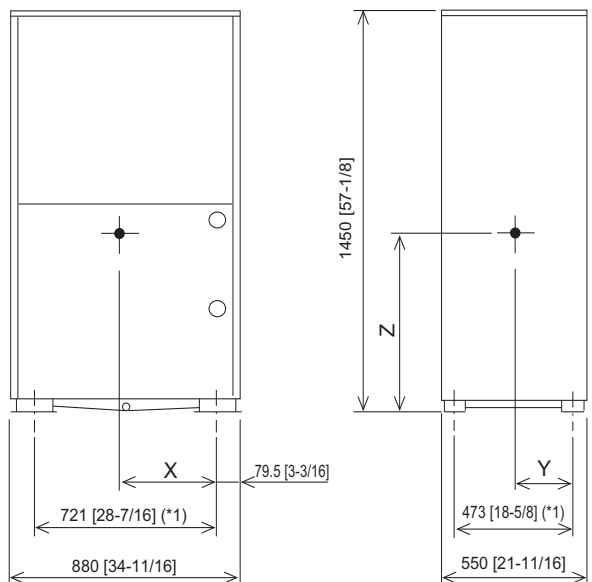


Model	X	Y	Z
PQRY-P200YLM-A1	347[13-11/16]	234[9-1/4]	438[17-1/4]
PQRY-P250YLM-A1	347[13-11/16]	234[9-1/4]	438[17-1/4]
PQRY-P300YLM-A1	347[13-11/16]	234[9-1/4]	438[17-1/4]

*1 Mounting Pitch

PQRY-P350, 400, 450, 500, 550, 600YLM-A1

Unit: mm [in.]



Model	X	Y	Z
PQRY-P350YLM-A1	379[14-15/16]	235[9-5/16]	631[24-7/8]
PQRY-P400YLM-A1	379[14-15/16]	235[9-5/16]	631[24-7/8]
PQRY-P450YLM-A1	379[14-15/16]	235[9-5/16]	631[24-7/8]
PQRY-P500YLM-A1	379[14-15/16]	235[9-5/16]	631[24-7/8]
PQRY-P550YLM-A1	366[14-7/16]	230[9-1/16]	672[26-1/2]
PQRY-P600YLM-A1	366[14-7/16]	230[9-1/16]	672[26-1/2]

*1 Mounting Pitch