# PURY-M200, 250, 300YXM-A (-BS)

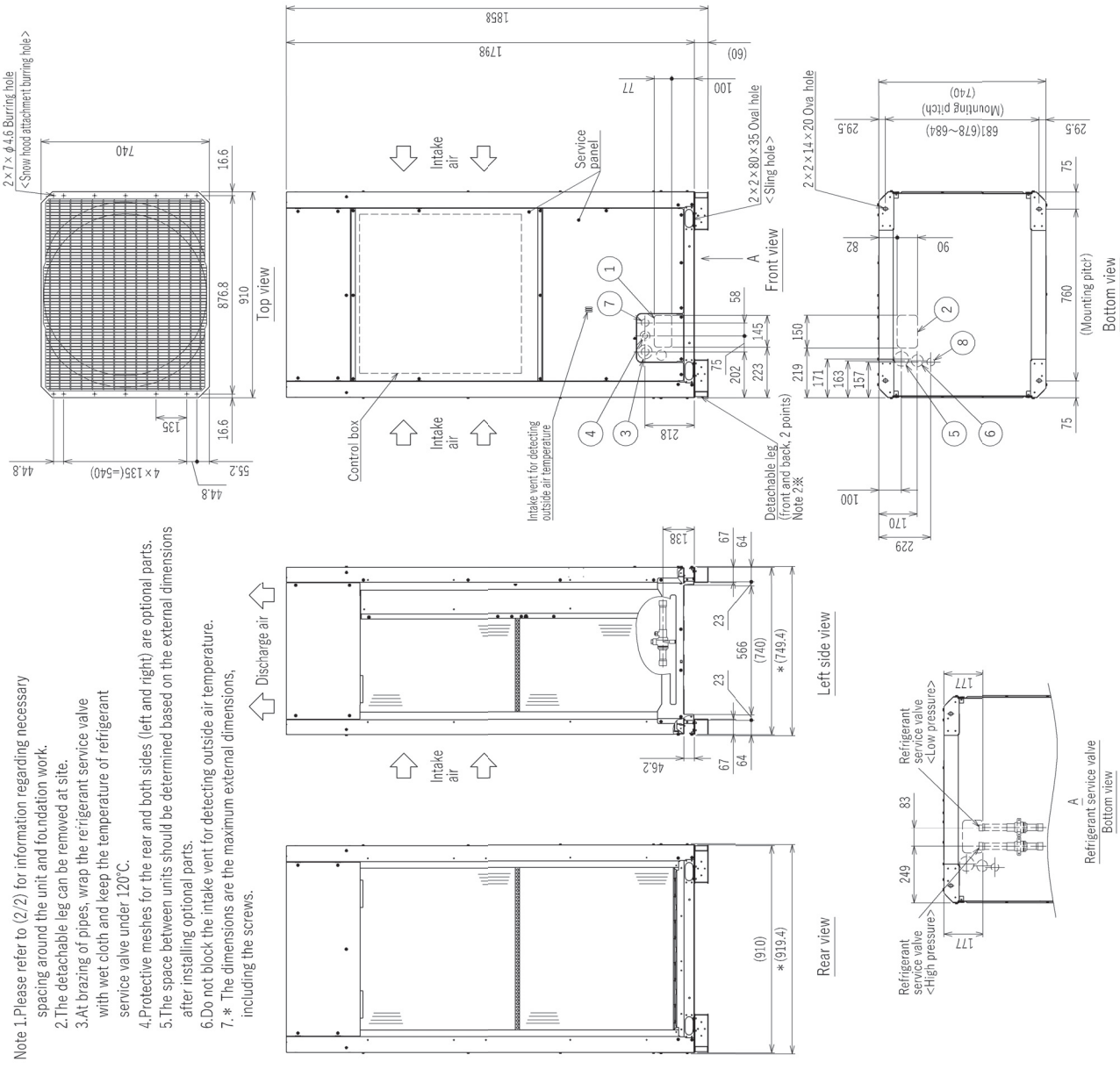
Unit: mm

Connecting pipe specifications

| Model | Diameter | | | | | |
|---|---|---|---|---|---|---|
| | Refrigerant pipe *1 | | | | Service valve | |
| | High pressure | | Low pressure | | High pressure | Low pressure |
| M200 | φ15.88 | Brazed | φ19.05 | Brazed | φ28.58 | φ28.58 |
| M250 | φ19.05 | Brazed | φ22.2 | Brazed | φ28.58 | φ28.58 |
| M300 | φ19.05 | Brazed | φ22.2 | Brazed | φ28.58 | φ28.58 |

*1 Connect the refrigerant pipe to the service valve according to the nstallation Manual.

| NO. | Usage | | Specifications |
|---|---|---|---|
| ① | For pipes | Front through hole | 145 × 77 Knockout hole |
| ② | | Bottom through hole | 150 × 90 Knockout hole |
| ③ | For wires | Front through hole | φ65 or φ40 Knockout hole |
| ④ | | Front through hole | φ52 or φ27 Knockout hole |
| ⑤ | | Bottom through hole | φ65 Knockout hole |
| ⑥ | | Bottom through hole | φ52 Knockout hole |
| ⑦ | For transmission cables | Front through hole | φ34 Knockout hole |
| ⑧ | | Bottom through hole | φ34 Knockout hole |



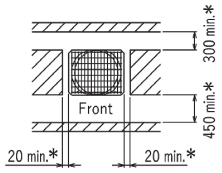

Note 1.Please refer to (2/2) for information regarding necessary spacing around the unit and foundation work.
2.The detachable leg can be removed at site.
3.At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.
4.Protective meshes for the rear and both sides (left and right) are optional parts.
5.The space between units should be determined based on the external dimensions after installing optional parts.
6.Do not block the intake vent for detecting outside air temperature.
7.* The dimensions are the maximum external dimensions, including the screws.

## 1. Required space around the unit

### ●In case of single installation

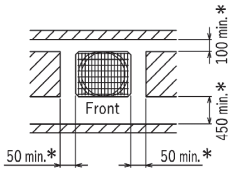
① Secure enough space around the unit as shown in the figure below.

・With a space of at least 300mm to the wall on the back of the unit




<Top view>

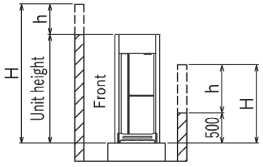
・With a space of at least 100mm to the wall on the back of the unit




<Top view>

<Unit : mm>

② When the height of the walls on the front, back or on the sides <H> exceeds the wall height limit as defined below add half of the height that exceeds the height limit <h/2> to the figures that are marked with an asterisk(*).
When adjacent to a building wall, ensure that at least two directions are open, with a rear space of at least 300mm and a side space of at least 200mm from the wall.




<Side view>

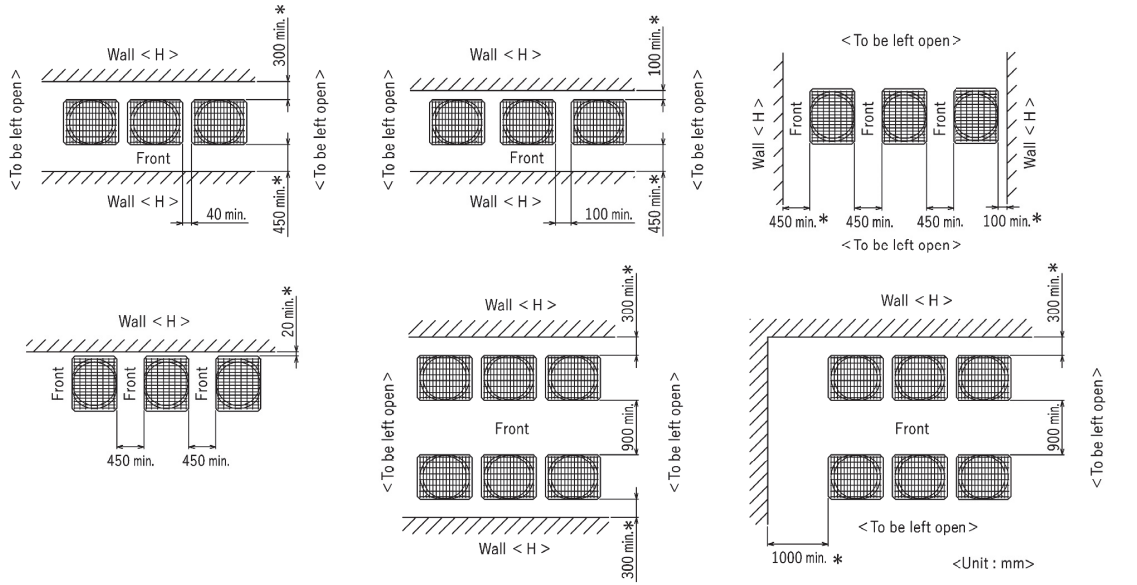
<Wall height limit>
Front : Up to the unit height
Back : 500mm or less from the bottom of the unit
Side : Up to the unit height

## 2. Foundation work

① Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.
<Note that the drain water comes out of the unit during operation.>
② Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure.(Fig.A,B)
When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
③ The protrusion length of the anchor bolt must not exceed 30mm.(Fig.A,B)
④ Use four fixing plates as shown in the right figure <field supply required> when using M12 hole-in anchor bolts <field supply required>.(Fig.C,D)
⑤ To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.
⑥ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
⑦ Refer to the Installation Manual when installing units on an installation base.

### ●In case of collective installation

① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
② At least two sides must be left open.
③ As with the single installation, add half of the height that exceeds the height limit <h/2> to the figures that are marked with an asterisk(*).
When adjacent to a building wall, ensure that at least two directions are open, with a rear space of at least 300mm and a side space of at least 200mm from the wall.
When installing units side by side, ensure a space of at least 400mm between the units.
④ If there is a wall at both the front and the rear of the unit, install up to six units consecutively in the side direction and provide a space of 1000mm or more as inlet space / passage space for each six units.



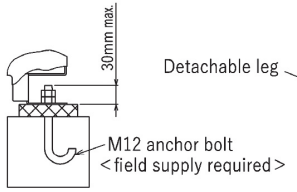




Fig. A(without detachable legs)

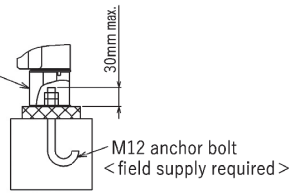



Fig. B(with detachable legs)

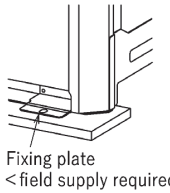



Fig. C(without detachable legs)

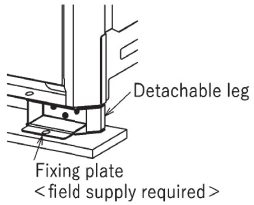



Fig. D(with detachable legs)

Unit: mm

# PURY-M350, 400, 450, 500YXM-A (-BS)

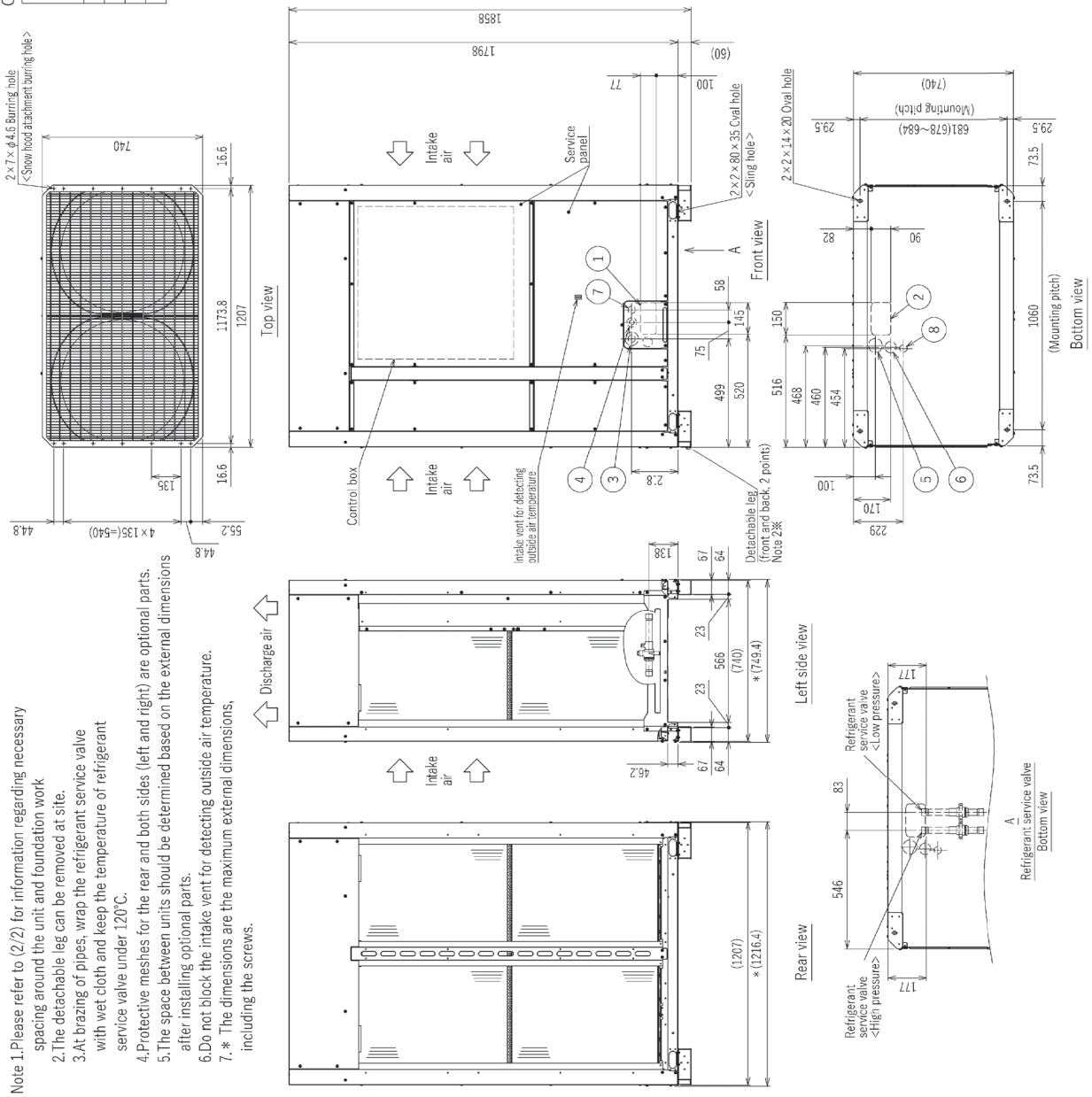
Unit: mm

Connecting pipe specifications

| Model | Diameter | | | |
|---|---|---|---|---|
| | Refrigerant pipe *1 | | Service valve | |
| | High pressure | Low pressure | High pressure | Low pressure |
| M350 | φ19.05 Brazed | φ28.58 Brazed | φ28.58 | φ28.58 |
| M400 | φ22.2 Brazed | φ28.58 Brazed | φ28.58 | φ28.58 |
| M450 | φ22.2 Brazed | φ28.58 Brazed | φ28.58 | φ28.58 |
| M500 | φ22.2 Brazed | φ28.58 Brazed | φ28.58 | φ28.58 |

*1 Connect the refrigerant pipe to the service valve according to the Installation Manual.

| NO. | Usage | | Specifications |
|---|---|---|---|
| ① | For pipes | Front through hole | 145 × 77 Knockout hole |
| ② | | Bottom through hole | 150 × 90 Knockout hole |
| ③ | For wires | Front through hole | φ65 or φ40 Knockout hole |
| ④ | | Front through hole | φ52 or φ27 Knockout hole |
| ⑤ | | Bottom through hole | φ65 Knockout hole |
| ⑥ | | Bottom through hole | φ52 Knockout hole |
| ⑦ | For transmission cables | Front through hole | φ34 Knockout hole |
| ⑧ | | Bottom through hole | φ34 Knockout hole |




Note 1. Please refer to (2/2) for information regarding necessary spacing around the unit and foundation work
2. The detachable leg can be removed at site.
3. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.
4. Protective meshes for the rear and both sides (left and right) are optional parts.
5. The space between units should be determined based on the external dimensions after installing optional parts.
6. Do not block the intake vent for detecting outside air temperature.
7. * The dimensions are the maximum external dimensions, including the screws.

PURY-M350, 400, 450, 500YXM-A (-BS)

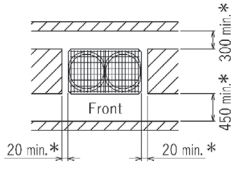
Unit: mm

## 1. Required space around the unit

### ●In case of single installation

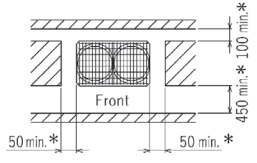
① Secure enough space around the unit as shown in the figure below.

・With a space of at least 300mm to the wall on the back of the unit




<Top view>

・With a space of at least 100mm to the wall on the back of the unit




<Top view>

<Unit : mm>

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add half of the height that exceeds the height limit <h/2> to the figures that are marked with an asterisk(*).
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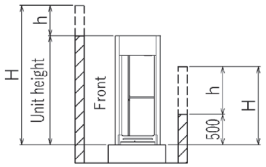


<Side view>

<Wall height limit>
Front : Up to the unit height
Back : 500mm or less from the bottom of the unit
Side : Up to the unit height

## 2. Foundation work

① Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.
<Note that the drain water comes out of the unit during operation.>
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④ Use four fixing plates as shown in the right figure <field supply required> when using M12 hole-in anchor bolts <field supply required>.(Fig.C,D)
⑤ To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.
⑥ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
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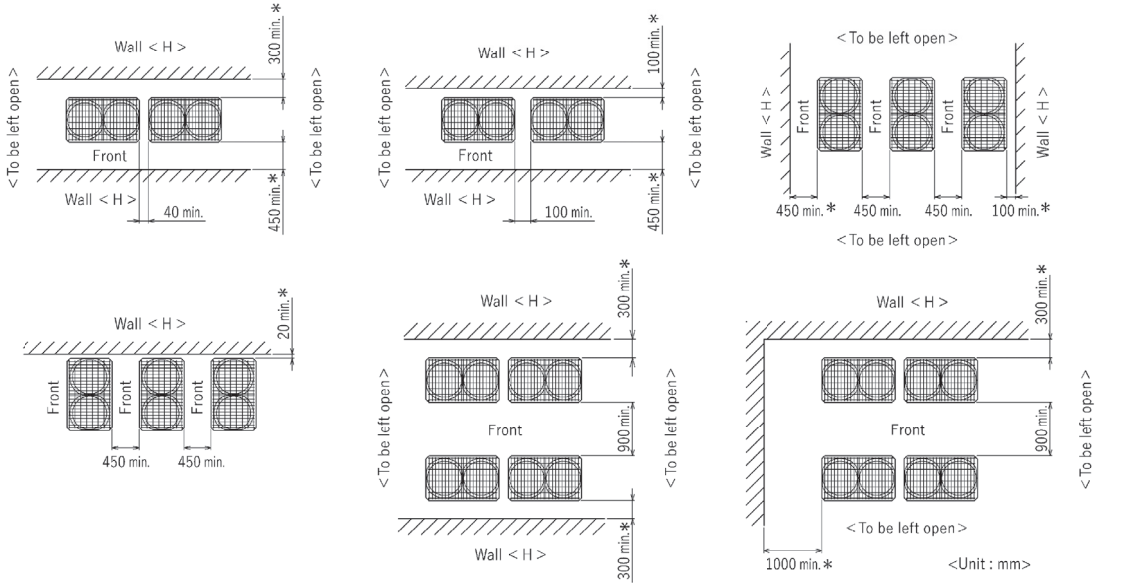


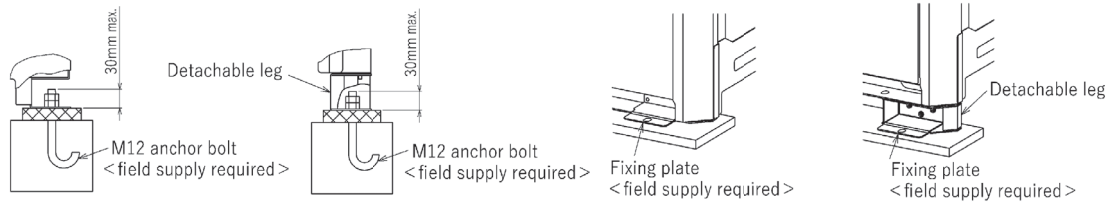
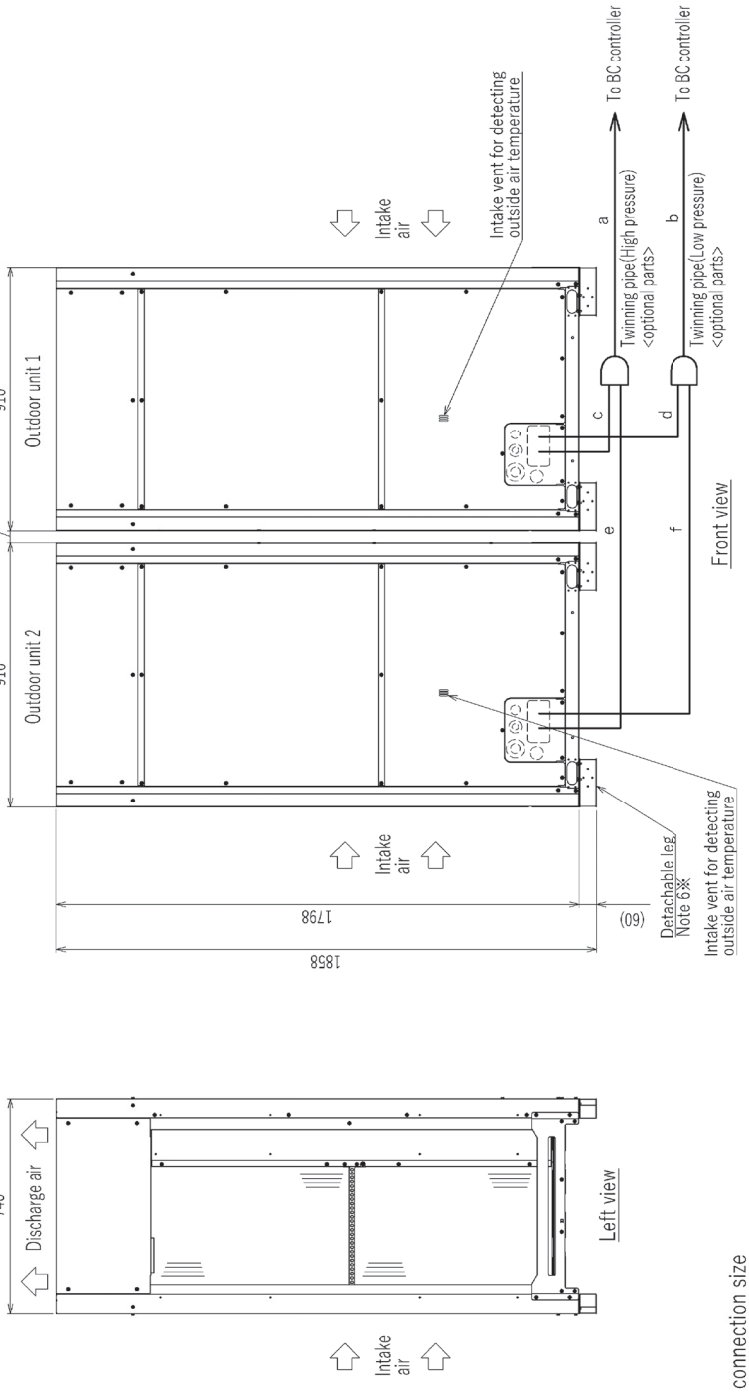




Fig. A(without detachable legs) Fig. B(with detachable legs) Fig. C(without detachable legs) Fig. D(with detachable legs)

# PURY-M400, 450, 500, 550, 600YSXM-A (-BS)

Unit: mm




Twinning pipe connection size

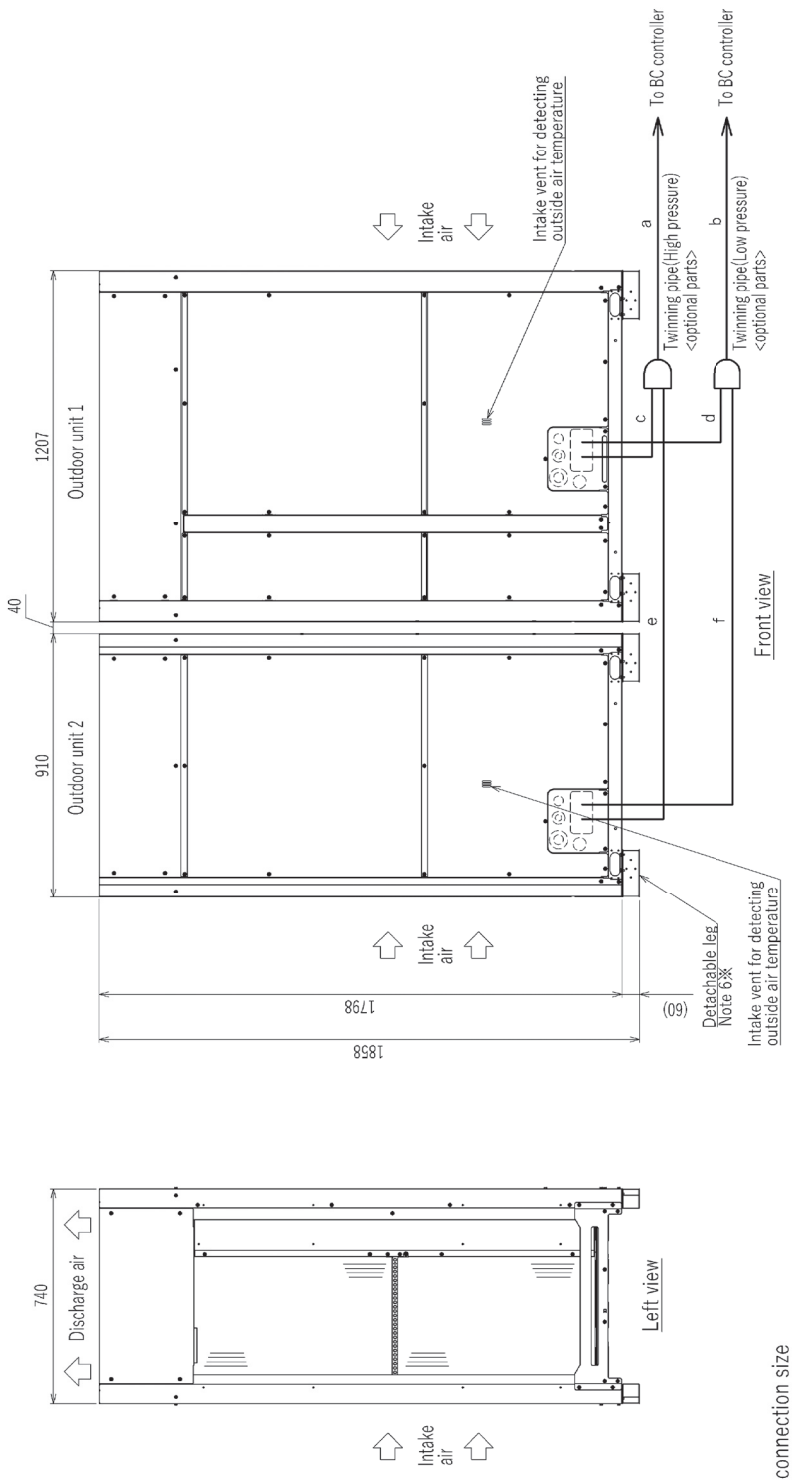
| Package unit name | | | PURY-M400YSXM-A(-BS) | PURY-M450YSXM-A(-BS) | PURY-M500YSXM-A(-BS) | PURY-M550YSXM-A(-ES) | PURY-M600YSXM-A(-BS) |
|---|---|---|---|---|---|---|---|
| Component unit name | Outdoor unit 1 | | PURY-M200YXM-A(-BS) | PURY-M250YXM-A(-BS) | PURY-M250YXM-A(-BS) | PURY-M300YXM-A(-BS) | PURY-M300YXM-A(-BS) |
| | Outdoor unit 2 | | PURY-M200YXM-A(-BS) | PURY-M200YXM-A(-BS) | PURY-M250YXM-A(-BS) | PURY-M250YXM-A(-BS) | PURY-M300YXM-A(-BS) |
| Outdoor Twinning Kit(optional parts) | | | CMY-R100VBK4 | CMY-R100VBK4 | CMY-R100VBK4 | CMY-R100VBK4 | CMY-R100VBK4 |
| BC controller ~Twinning pipe | High pressure | a | φ22.2 | φ22.2 | φ22.2 | *φ22.2 (φ28.53) | *φ22.2 (φ28.58) |
| | Low pressure | b | φ28.58 | φ28.58 | φ28.58 | φ28.58 | φ28.58 |
| Twinning pipe ~Outdoor unit 1 | High pressure | c | φ15.88 | φ19.05 | φ19.05 | φ19.05 | φ19.05 |
| | Low pressure | d | φ19.05 | φ22.2 | φ22.2 | φ22.2 | φ22.2 |
| Twinning pipe ~Outdoor unit 2 | High pressure | e | φ15.88 | φ15.88 | φ19.05 | φ19.05 | φ19.05 |
| | Low pressure | f | φ19.05 | φ19.05 | φ22.2 | φ22.2 | φ22.2 |

*When the piping length is 65m or longer,use the φ28.58 pipe for the part that exceeds 65m.

Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2. Twinning pipes must be installed horizontally using a level vessel.
Be sure to see the Installation Manual for details of Twinning pipe installation.
3. The pipe section before the Twinning pipe (section "a" and "b" in the figure) must have at least 500mm of straight section
(＊including the straight pipe that is supplied with the Twinning pipe).
4. Only use the Twinning pipe by Mitsubishi (optional parts).
5. Do not block the intake vent for detecting outside air temperature.
6. The detachable leg can be removed at site.

## PURY-M650YSXM-A (-BS)

Unit: mm



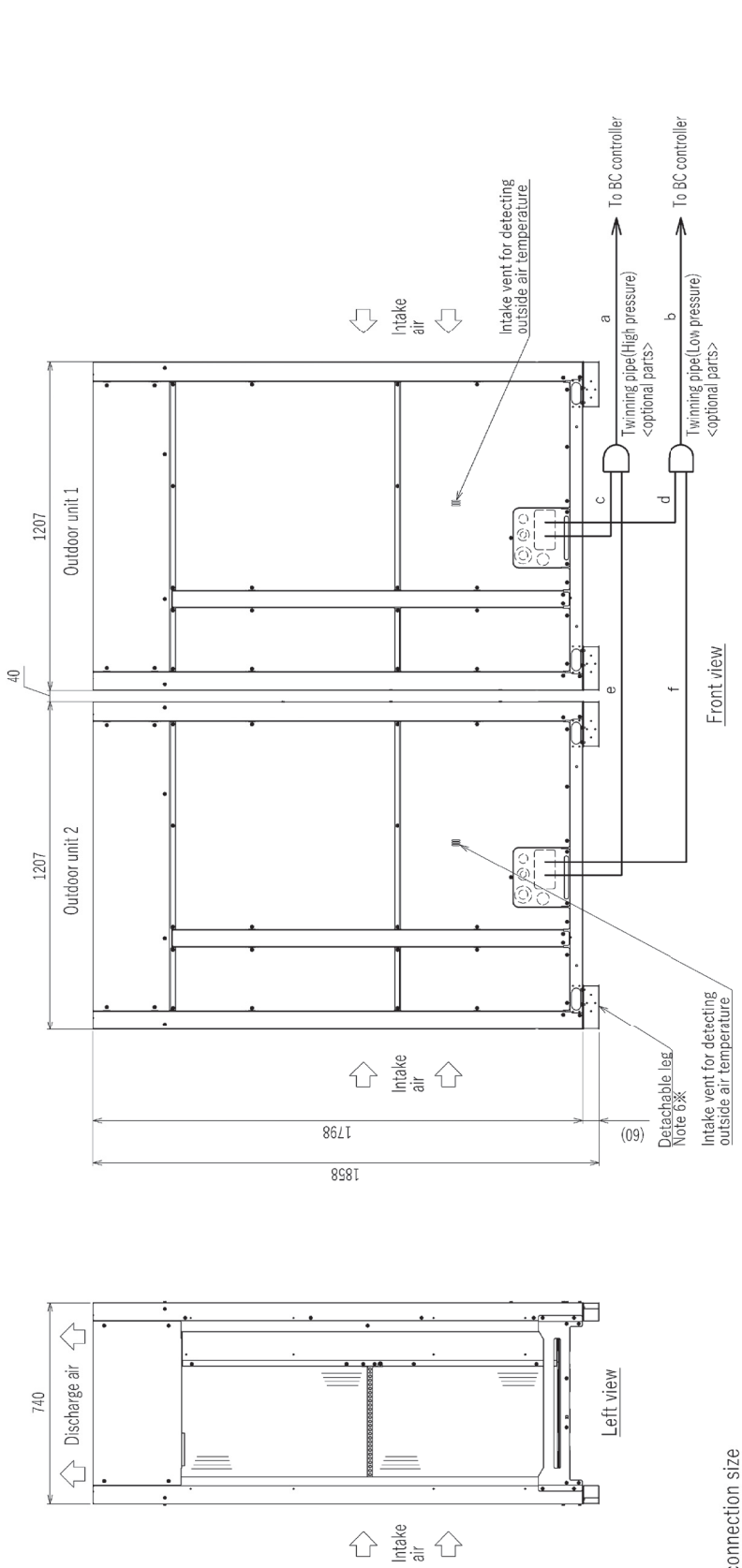

Twinning pipe connection size

| Package unit name | | | PURY-M650YSXM-A(-BS) | |
|---|---|---|---|---|
| Component unit name | Outdoor unit 1 | | PURY-M350YXM-A(-BS) | |
| | Outdoor unit 2 | | PURY-M300YXM-A(-BS) | |
| Outdoor Twinning Kit(optional parts) | | | CMY-R100VBK4 | |
| BC controller ~Twinning pipe | High pressure | a | | ϕ 28.58 |
| | Low pressure | b | | ϕ 28.58 |
| Twinning pipe ~Outdoor unit 1 | High pressure | c | | ϕ 19.05 |
| | Low pressure | d | | ϕ 28.58 |
| Twinning pipe ~Outdoor unit 2 | High pressure | e | | ϕ 19.05 |
| | Low pressure | f | | ϕ 22.2 |

Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2. Twinning pipes must be installed horizontally using a level vessel.
Be sure to see the Installation Manual for details of Twinning pipe installation.
3. The pipe section before the Twinning pipe (section "a" and "b" in the figure) must have at least 500mm of straight section (＊including the straight pipe that is supplied with the Twinning pipe).
4. Only use the Twinning pipe by Mitsubishi (optional parts).
5. Do not block the intake vent for detecting outside air temperature.
6. The detachable leg can be removed at site.

## PURY-M700, 750, 800, 850, 900, 950, 1000YSXM-A (-BS)

Unit: mm




Twinning pipe connection size

| Package unit name | | | PURY-M700YSXM-A(-BS) | PURY-M750YSXM-A(-BS) | PURY-M800YSXM-A(-BS) | PURY-M850YSXM-A(-BS) | PURY-M900YSXM-A(-BS) | PURY-M950YSXM-A(-BS) | PURY-M1000YSXM-A(-BS) |
|---|---|---|---|---|---|---|---|---|---|
| Component unit name | Outdoor unit 1 | | PURY-M350YXM-A(-BS) | PURY-M400YXM-A(-BS) | PURY-M400YXM-A(-BS) | PURY-M450YXM-A(-BS) | PURY-M450YXM-A(-BS) | PURY-M500YXM-A(-BS) | PURY-M500YXM-A(-BS) |
| | Outdoor unit 2 | | PURY-M350YXM-A(-BS) | PURY-M350YXM-A(-BS) | PURY-M400YXM-A(-BS) | PURY-M400YXM-A(-BS) | PURY-M450YXM-A(-BS) | PURY-M450YXM-A(-BS) | PURY-M500YXM-A(-BS) |
| Outdoor Twinning Kit(optional parts) | | | CMY-R200VBK4 | CMY-R200VBK4 | CMY-R200VBK4 | CMY-R200VBK4 | CMY-R200VBK4 | CMY-R200VBK4 | CMY-R200VBK4 |
| BC controller ~Twinning pipe | High pressure | a | ϕ28.58 | ϕ28.58 | ϕ28.58 | ϕ28.58 | ϕ28.58 | ϕ28.58 | ϕ28.58 |
| | Low pressure | b | ϕ34.93 | ϕ34.93 | ϕ34.93 | ϕ41.28 | ϕ41.28 | ϕ41.28 | ϕ41.28 |
| Twinning pipe ~Outdoor unit 1 | High pressure | c | ϕ22.2 | ϕ22.2 | ϕ22.2 | ϕ22.2 | ϕ22.2 | ϕ22.2 | ϕ22.2 |
| | Low pressure | d | ϕ28.58 | ϕ28.58 | ϕ28.58 | ϕ28.58 | ϕ28.58 | ϕ28.58 | ϕ28.58 |
| Twinning pipe ~Outdoor unit 2 | High pressure | e | ϕ19.05 | ϕ19.05 | ϕ22.2 | ϕ22.2 | ϕ22.2 | ϕ22.2 | ϕ22.2 |
| | Low pressure | f | ϕ28.58 | ϕ28.58 | ϕ28.58 | ϕ28.58 | ϕ28.58 | ϕ28.58 | ϕ28.58 |

Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2. Twinning pipes must be installed horizontally using a level vessel.
Be sure to see the Installation Manual for details of Twinning pipe installation.
3. The pipe section before the Twinning pipe (section "a" and "b" in the figure) must have at least 500mm of straight section
(＊including the straight pipe that is supplied with the Twinning pipe).
4. Only use the Twinning pipe by Mitsubishi (optional parts).
5. Do not block the intake vent for detecting outside air temperature.
6. The detachable leg can be removed at site.