

PUHY-M200, 250, 300YNW-A1(-BS)

Unit: mm

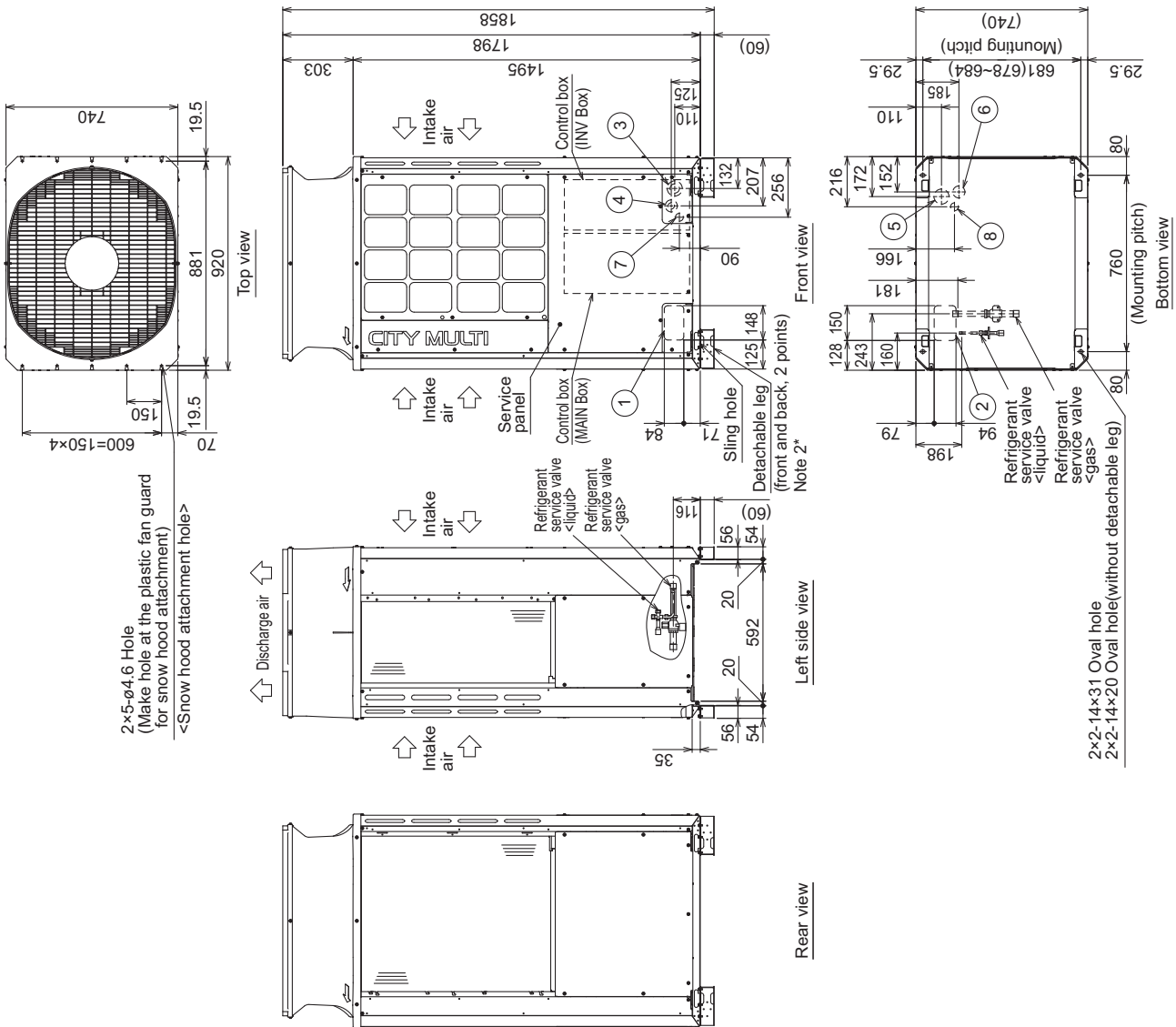
PUHY-M-YNW-A1, EM-YNW-A1

- Note 1. Please refer to the next page 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. This unit has restrictions for the safety, so refer to SAFETY HANDLING FOR R32 or the Installation Manual.

Connecting pipe specifications

Model	Refrigerant pipe		Diameter	
	Liquid	Gas	Liquid	Gas
M200	ø9.52 Brazed	ø22.2 Brazed	ø9.52	ø22.2
M250				
M300				

NO.	Usage	Specifications	
		Front through hole	Bottom through hole
①	For pipes	148 x 84 Knockout hole	150 x 94 Knockout hole
②		150 x 94 Knockout hole	165 or ø40 Knockout hole
③		ø65 or ø40 Knockout hole	ø52 or ø27 Knockout hole
④	For wires	ø52 or ø27 Knockout hole	ø65 Knockout hole
⑤		ø65 Knockout hole	ø52 Knockout hole
⑥		ø65 Knockout hole	ø34 Knockout hole
⑦	For transmission cables	ø34 Knockout hole	ø34 Knockout hole
⑧		ø34 Knockout hole	ø34 Knockout hole



PUHY-M200, 250, 300YNW-A1(-BS)

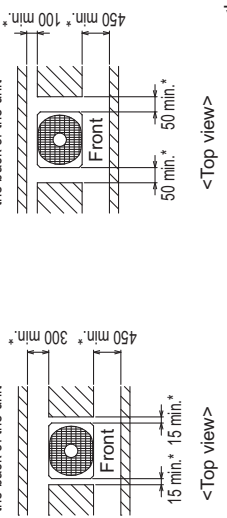
Unit: mm

1. Required space around the unit

● In case of single installation

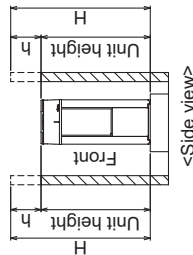
① Secure enough space around the unit as shown in the figure below.

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



<Top view>

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 the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



<Side view>

<Wall height limit> Front :Up to the unit height
Back :Up to the unit height
Side :Up to the unit height

● 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 the height that exceeds the height limit <h> to the figures that are marked with an asterisk.
- 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.

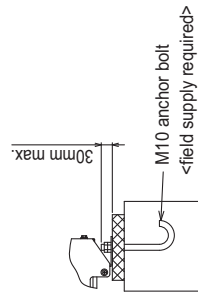
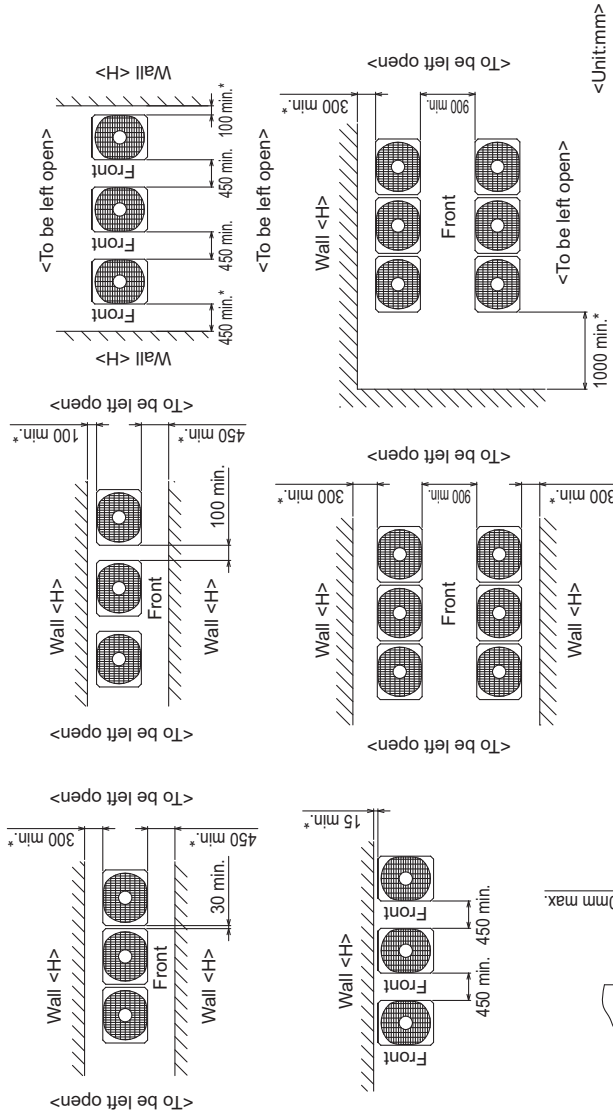


Fig.A (without detachable legs)

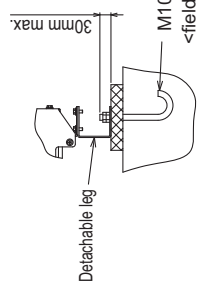


Fig.B (with detachable legs)

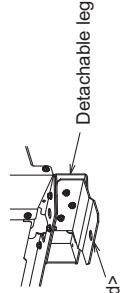


Fig.C (without detachable legs)

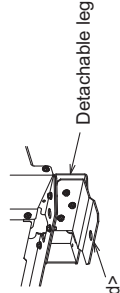


Fig.D (with detachable legs)

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.

PUHY-M350, 400, 450YNW-A1(-BS)

Unit: mm

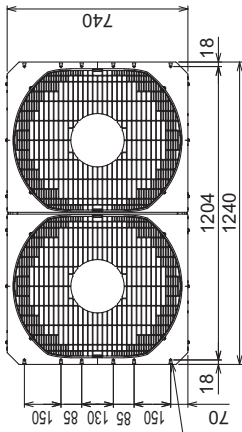
- Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
 2. The detachable leg can be removed at site.
 3. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.
 4. This unit has restrictions for the safety, so refer to SAFETY HANDLING FOR R32 or the Installation Manual.

Connecting pipe specifications

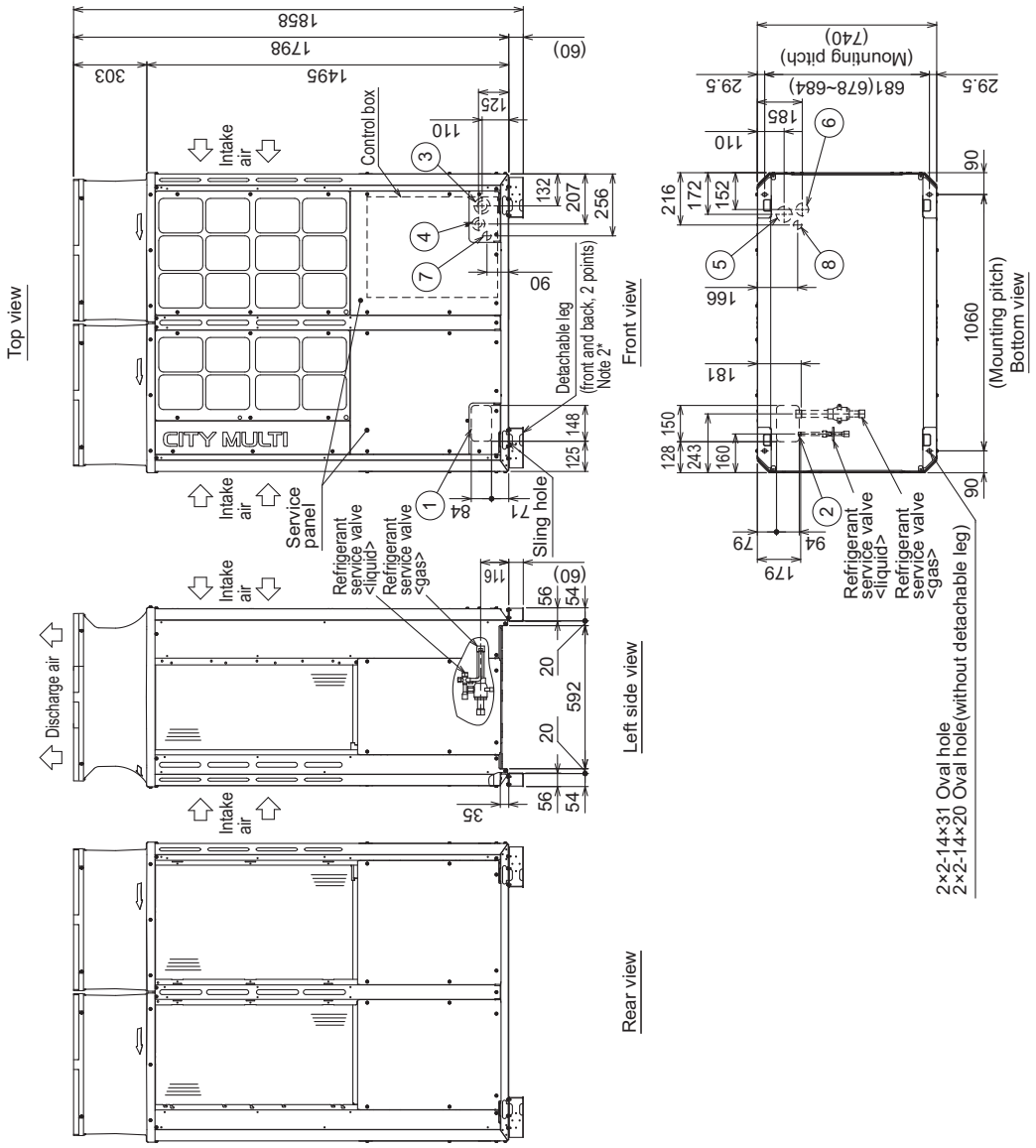
Model	Refrigerant pipe		Service valve	
	Liquid	Gas	Liquid	Gas
M350	ø12.7 Braze		ø12.7	
M400	ø12.7 Braze		ø12.7	
M450	ø15.88 Braze ^{*1}		ø12.7	

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

NO.	Usage	Specifications
①	Front through hole	148 x 84 Knockout hole
②	Bottom through hole	150 x 94 Knockout hole
③	Front through hole	ø65 or ø40 Knockout hole
④	Front through hole	ø52 or ø27 Knockout hole
⑤	Bottom through hole	ø65 Knockout hole
⑥	Bottom through hole	ø52 Knockout hole
⑦	Front through hole	ø34 Knockout hole
⑧	Bottom through hole	ø34 Knockout hole



2x6-ø4.6 Hole
(Make hole at the plastic fan guard for snow hood attachment)
<Snow hood attachment hole>



2x2-14x31 Oval hole
2x2-14x20 Oval hole(without detachable leg)

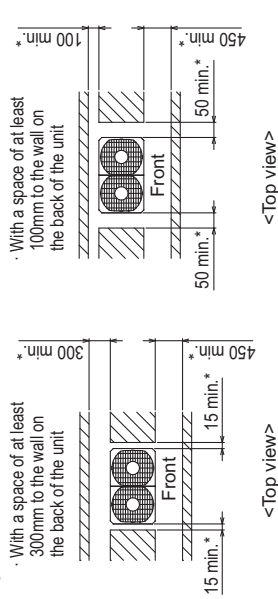
PUHY-M350, 400, 450YNW-A1(-BS)

Unit: mm

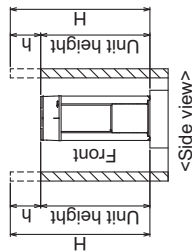
1. Required space around the unit

● In case of single installation

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



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 the height that exceeds the height limit -h> to the figures that are marked with an asterisk.



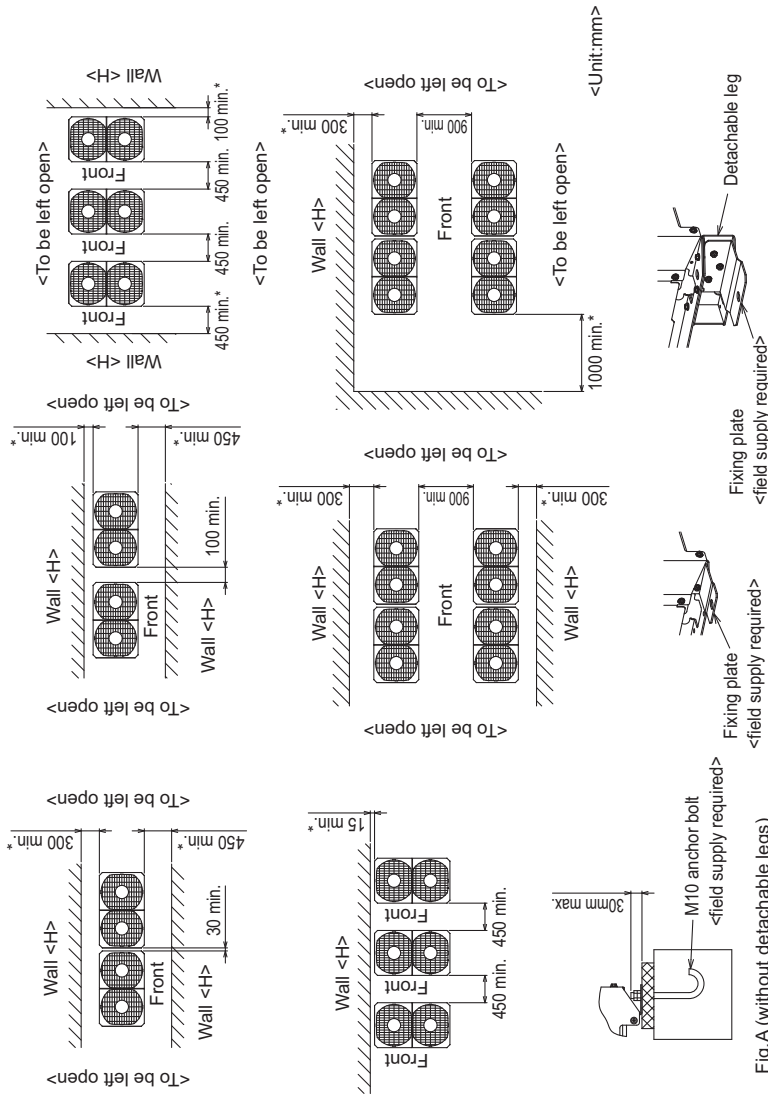
<Wall height limit> Front :Up to the unit height
Back :Up to the unit height
Side :Up to the unit height

2. Foundation work

- 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.>
- 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.
- The protrusion length of the anchor bolt must not exceed 30mm.(Fig.A,B)
- 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)
- 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>.
- 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.
- Refer to the Installation Manual when installing units on an installation base.

● In case of collective installation

- 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.
- At least two sides must be left open.
- As with the single installation, add the height that exceeds the height limit-h> to the figures that are marked with an asterisk.
- 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.



PUHY-M500YNW-A1(-BS)

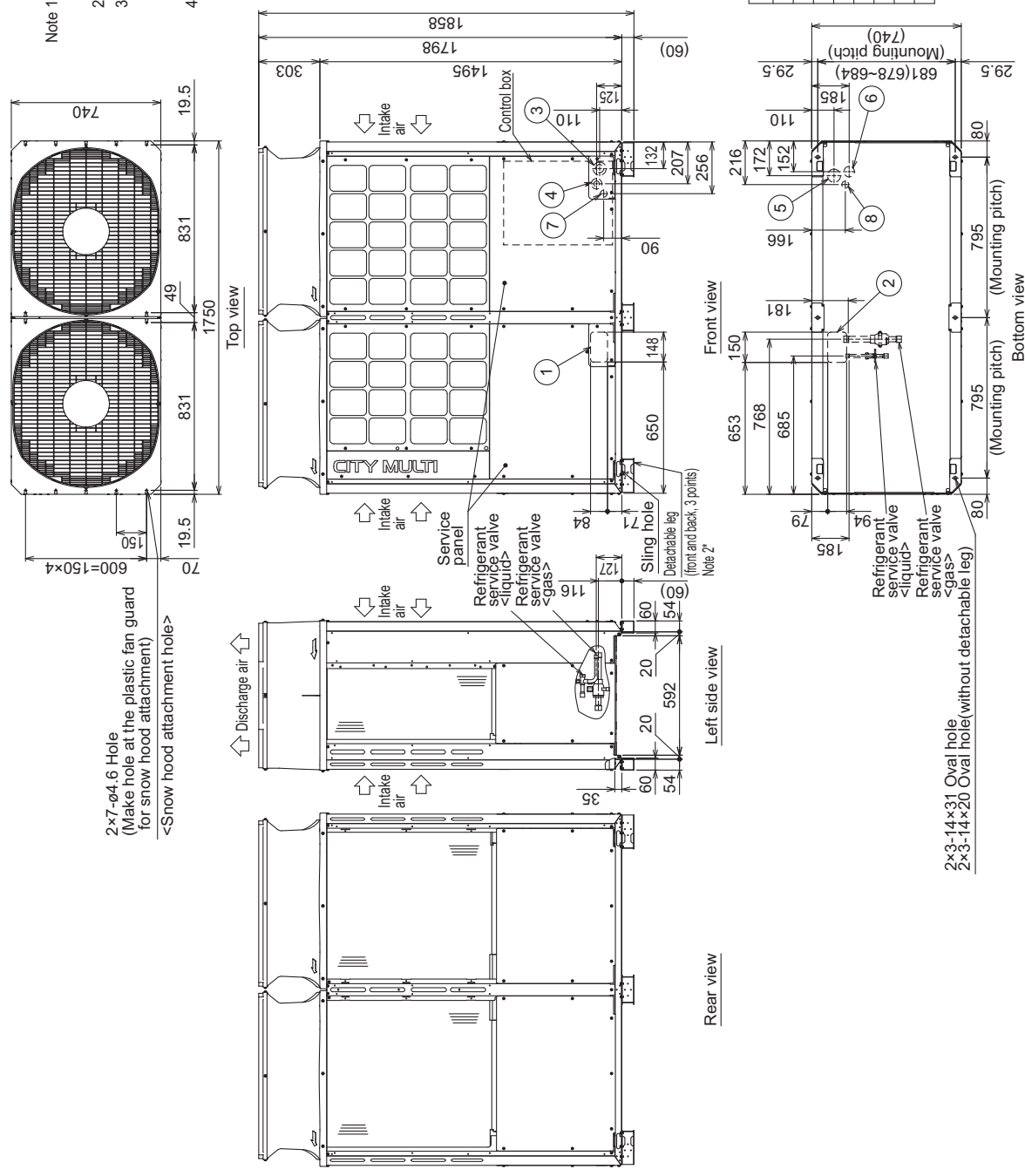
Unit: mm

- Note 1. Please refer to the next page 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. This unit has restrictions for the safety, so refer to SAFETY HANDLING FOR R32 or the Installation Manual.

Connecting pipe specifications

Model	Refrigerant pipe		Service valve	
	Liquid	Gas	Liquid	Gas
M500	φ15.88 Braze	φ28.58 Braze	φ15.88	φ28.58

NO.	Usage	Specifications
①	Front through hole	148 × 84 Knockout hole
②	Bottom through hole	150 × 94 Knockout hole
③	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	Front through hole	φ34 Knockout hole
⑧	Bottom through hole	φ34 Knockout hole



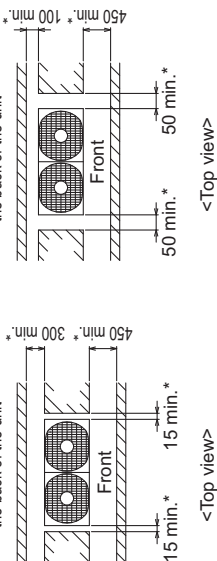
PUHY-M500YNW-A1(-BS)

1. Required space around the unit

● In case of single installation

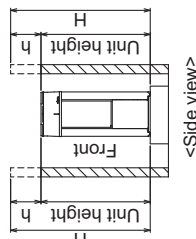
① Secure enough space around the unit as shown in the figure below.

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



<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 the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



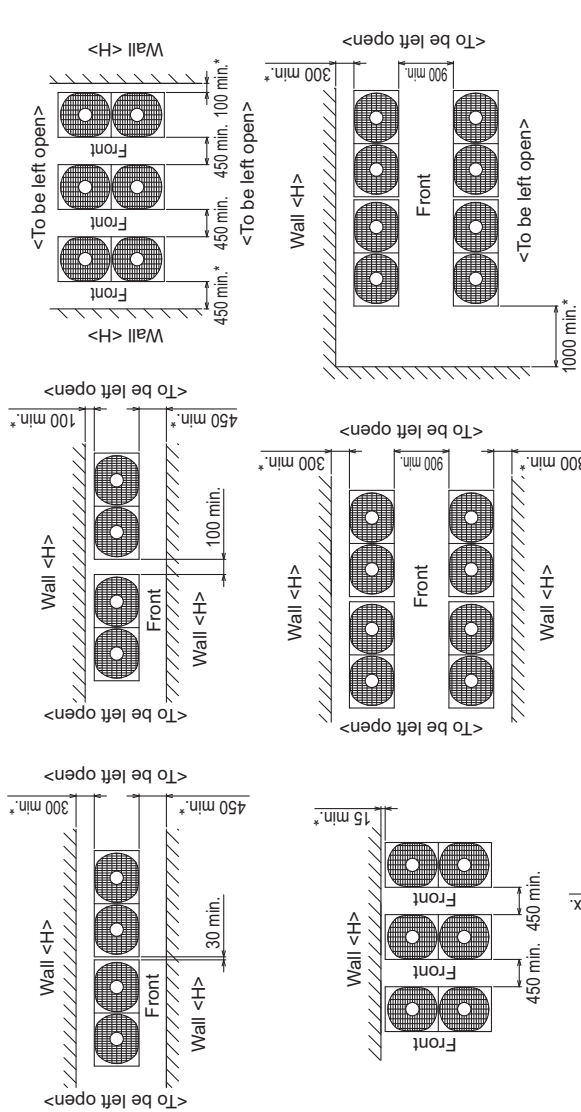
<Wall height limit> Front :Up to the unit height
Back :Up to the unit height
Side :Up to the unit height

2. Foundation work

- 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.>
- 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)
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- Use six fixing plates as shown in the right figure <field supply required> when using M12 hole-in anchor bolts <field supply required> (Fig. C,D)
- 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>.
- 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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● In case of collective installation

- 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.
- At least two sides must be left open.
- As with the single installation, add the height that exceeds the height limit<h> to the figures that are marked with an asterisk.
- If there is a wall at both the front and the rear of the unit, install up to three units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each three units.



<Unit:mm>

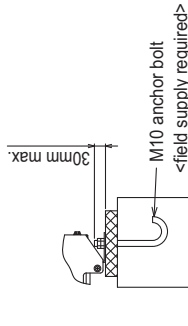


Fig.A (without detachable legs)

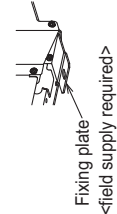


Fig.C (without detachable legs)

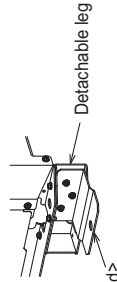


Fig.D (with detachable legs)

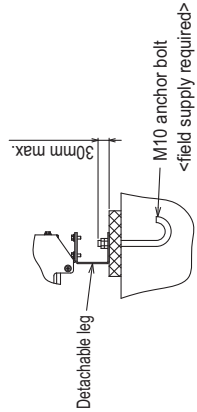


Fig.B (with detachable legs)