









7. Optional Parts

7-4. Solenoid Valve Kit (CZ-P456HR3, CZ-P656HR3, CZ-P856HR3, CZ-P4160HR3)

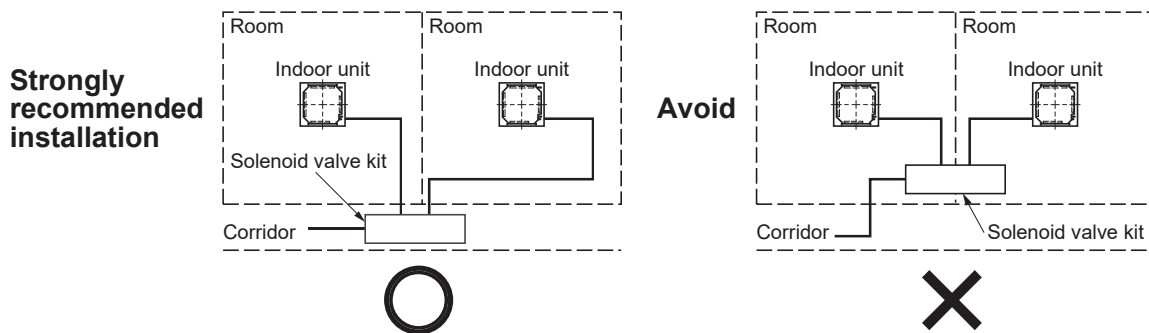
1. Accessories

Part Name	Figure	Q'ty				Remarks
		Type 456	Type 656	Type 856	Type 4160	
Washer		8	8	8	8	For suspension bolts
Tapping screw (L=8mm)		16	24	32	16	For Solenoid Valve Relay Kit
Wire holder		4	6	8	4	For Solenoid Valve Relay Kit wiring
Solenoid Valve Relay Kit		4	6	8	4	
Clamper		9	13	17	9	For electrical wiring
Protection tube (Liquid)		1	1	1	1	For Solenoid Valve Kit (connecting to the left side)
Protection tube (Discharge)		1	1	1	1	For Solenoid Valve Kit (connecting to the left side)
Protection tube (Suction)		1	1	1	1	For Solenoid Valve Kit (connecting to the left side)

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2. Positioning for Installation

- The solenoid valve kit produces some refrigerant noise. If it is to be installed in a quiet place such as a hospital, library or hotel, it is strongly recommended that the solenoid valve kit be installed in the ceiling of a corridor, etc. apart from the room.



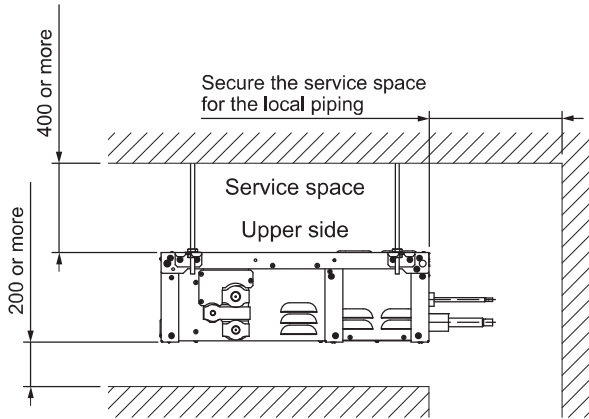
NOTE

After the power is turned on, the sound of the solenoid valve coil may sometimes occur. Note that this is not a fault. The sound level will gradually become small at the time of starting operation.

7. Optional Parts

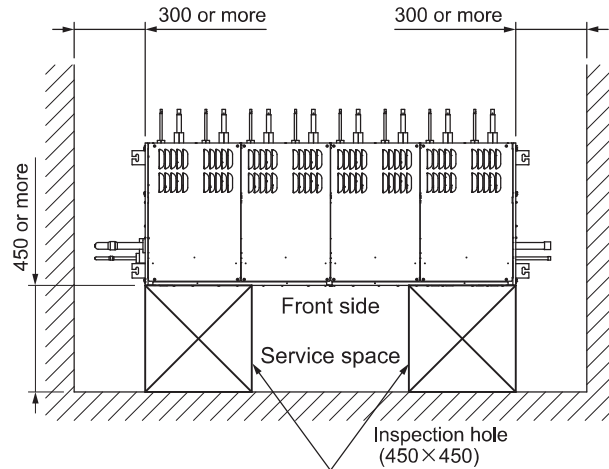
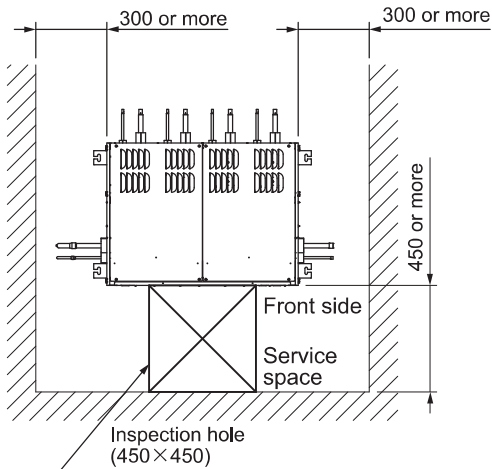
- Be sure to secure the solenoid valve kit to the structure and the suspension bolts. Do not place the solenoid valve kit directly on the ceiling surface.
When installing the solenoid valve kit, **remember to install it with the top surface facing upward.**
(See the figure shown in the subsection "How to use the fittings" in "Valve Dimensions and Hanging Method".)
- Provide a service space as shown in the below figure.
- **Never conduct drilling or welding on the sheet metal.**
- Do not cover air holes.
- Provide the inspection hole as shown in the below figure.

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Type 456, 656, 4160

Type 856



Unit : mm

7. Optional Parts

3. Valve Dimensions and Hanging Method

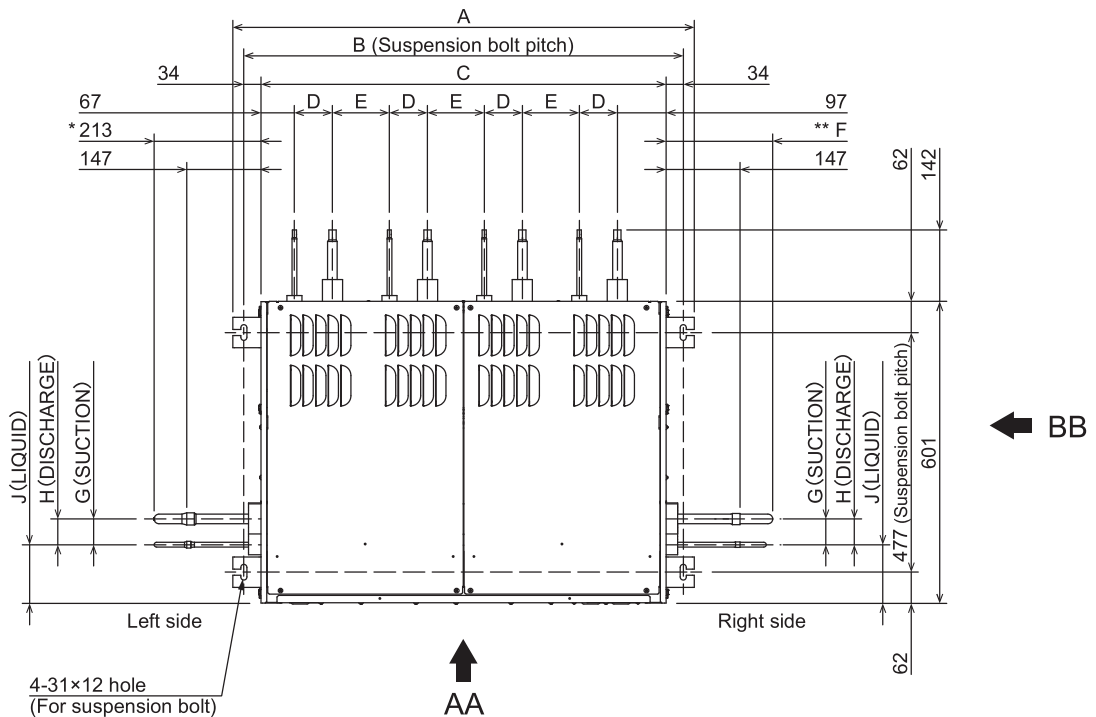
- There are 4 types of solenoid valve kits: type 456, 656, 856 and type 4160. The corresponding indoor unit model capacities are shown in the table at right.

Solenoid Valve Kit	No. of port	Indoor Unit Capacity per 1 port
CZ-P456HR3	4	Type 56 or under
CZ-P656HR3	6	
CZ-P856HR3	8	
CZ-P4160HR3	4	Type 160 or under

	Type 456	Type 656	Type 856	Type 4160
A	919	1297	1675	919
B (Suspension bolt pitch)	874	1253	1631	874
C	807	1185	1563	807
D	67			
E	113			
F	213			207
G (SUCTION)	51	54	53	55
H (DISCHARGE)	51	55	53	54
J (LIQUID)	117	115	115	113

Unit : mm

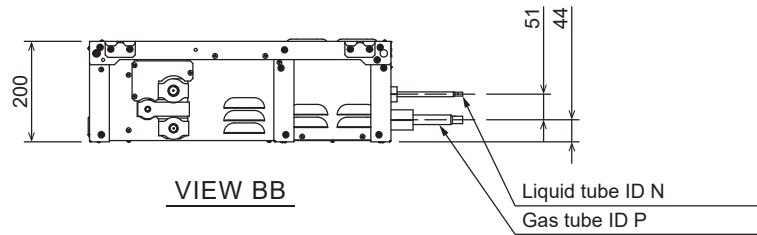
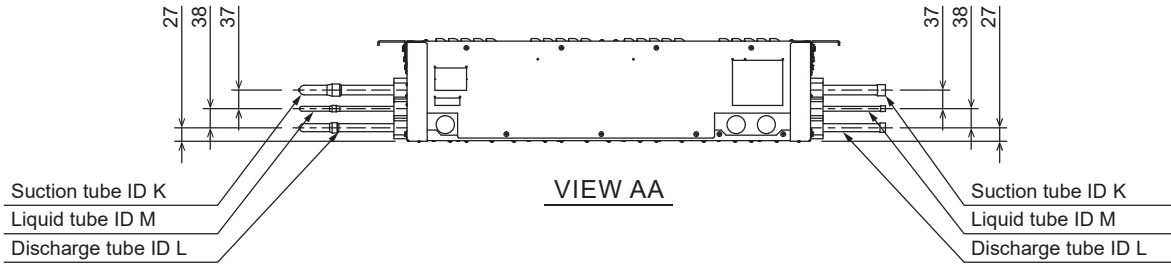
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* In case of right side connection.
 ** Including the protection tubes when connecting to the left side.

7. Optional Parts

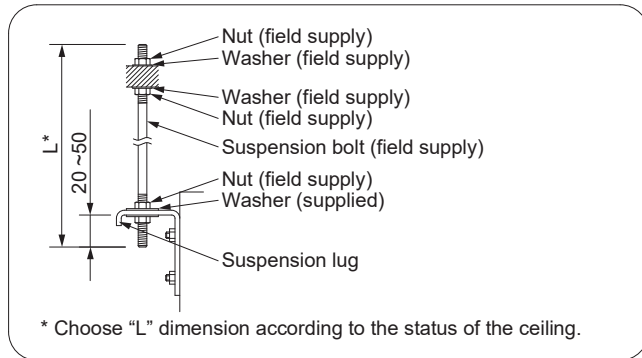
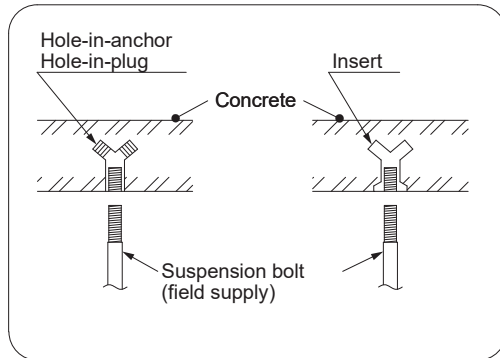
	Type 456	Type 656	Type 856	Type 4160	
K (SUCTION)	Ø19.05	Ø25.4	Ø28.58	Ø28.58	
L (DISCHARGE)	Ø15.88	Ø19.05	Ø22.22	Ø25.4	
M (LIQUID)	Ø9.52	Ø12.7	Ø12.7	Ø15.88	
N		Ø6.35		Ø9.52	
P		Ø12.7		Ø15.88	Unit : mm



2

How to use the fittings

1. Check the suspension bolt pitch.
2. Ensure that the ceiling is strong enough to support the weight of the unit.
3. To prevent the unit from dropping, firmly fasten the suspension bolts as shown in the figure below.

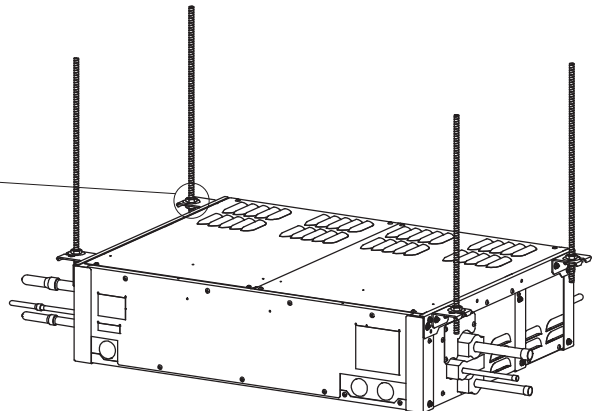


Suspension bolt (3/8" or M10) (field supply)

Nut (field supply) (3/8" or M10)

Washer (supplied)

4 - POSITION



CAUTION

Wrong positioning will become unfitted center of gravity position, causing injuries or product damage.