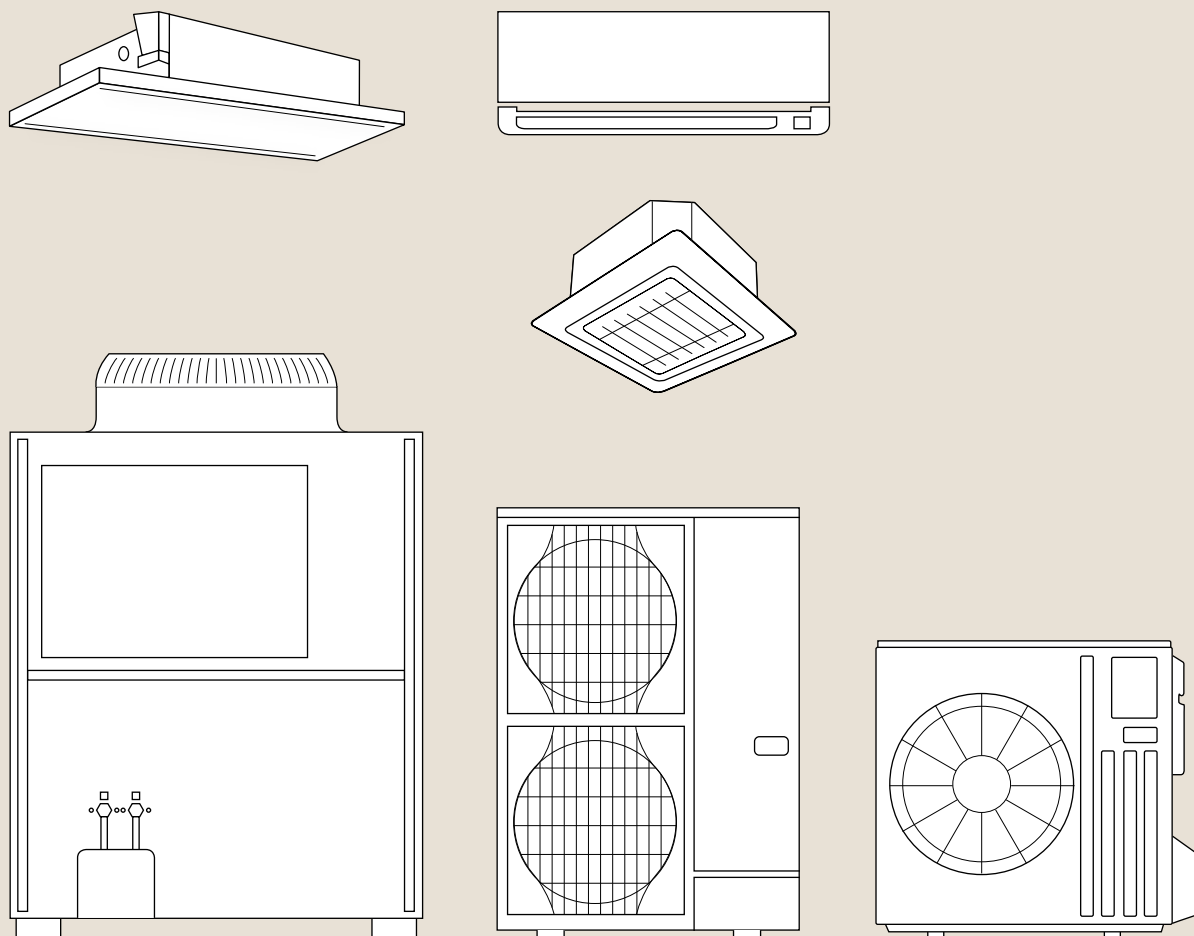
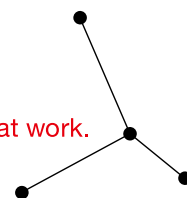


Living Environment Systems



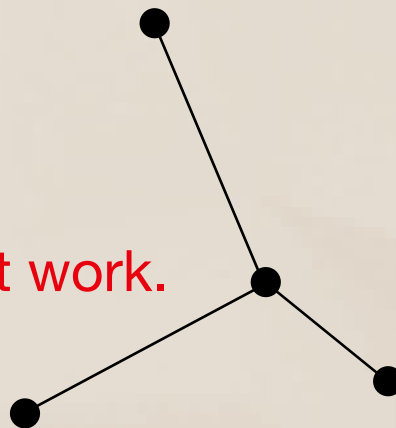
Informations techniques

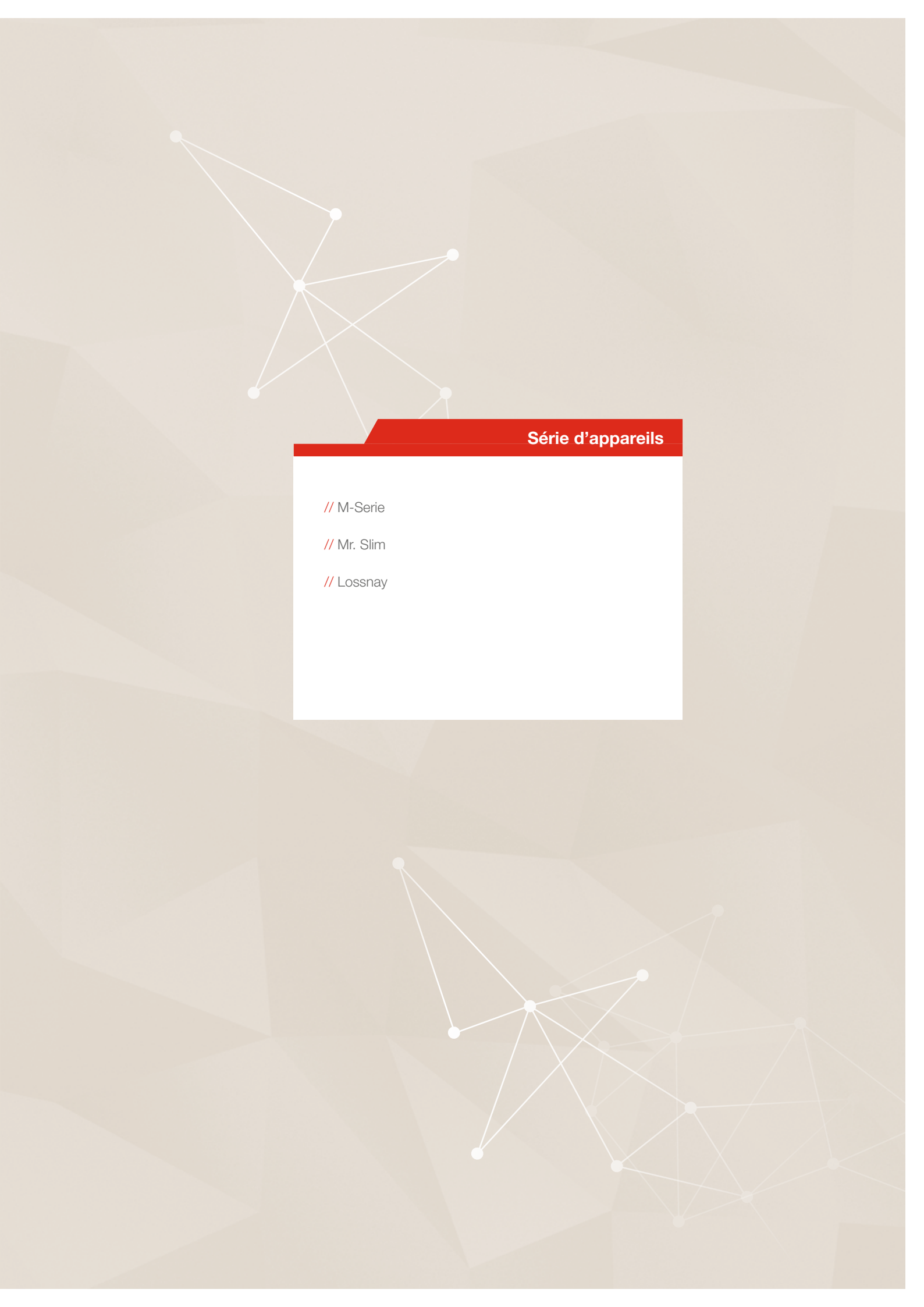
Annexe programme de climatisation et de ventilation 2024/2025



Mitsubishi Electric LES est synonyme de connaissances techniques acquises pour un succès partagé : Écouter et comprendre. Développer des produits intelligents. Conseiller avec compétence. Reconnaître les tendances. Bâtir l'avenir. Créer des solutions à partir du savoir.

Knowledge at work.





Série d'appareils

// M-Serie

// Mr. Slim

// Lossnay



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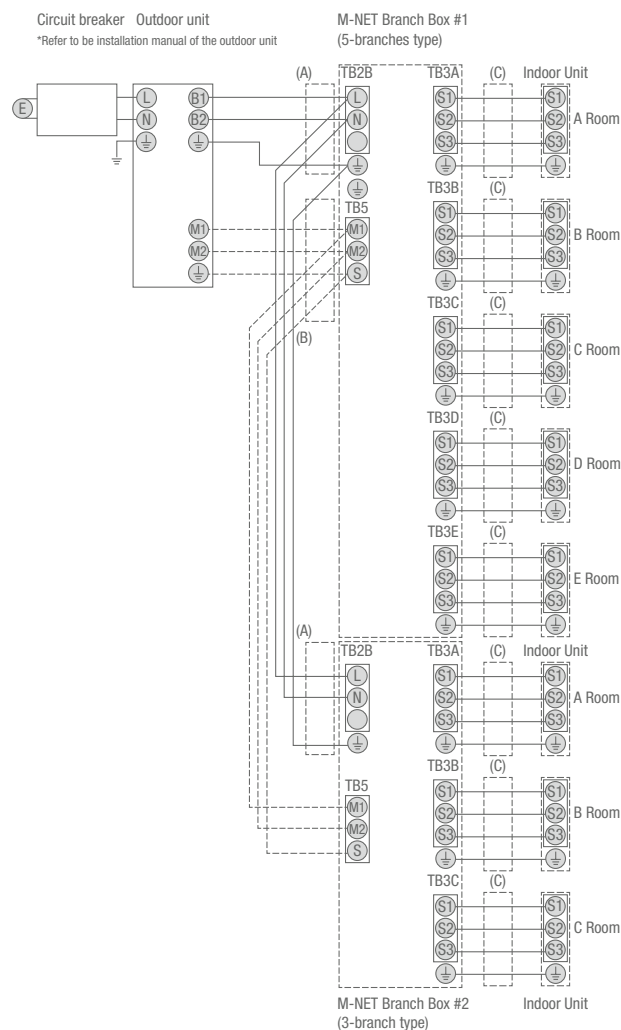


1. M-series

- 1.1 Electrical connection diagram for M-series inverter systems
- 1.2 Electrical connection diagram PUMY
- 1.3 Electrical connection diagram M-series single-split inverter
- 1.4 Electrical connection diagram MXZ multi-split inverter, 2-6 indoor units

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Electrical connection diagram PUMY

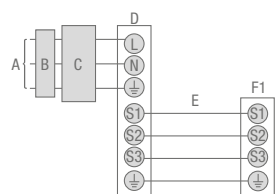


- (A) Voltage supply to connection boxes (via outdoor unit)
(B) Communication connection from outdoor unit to connection boxes
(C) Voltage supply and communication of indoor unit

Notes:

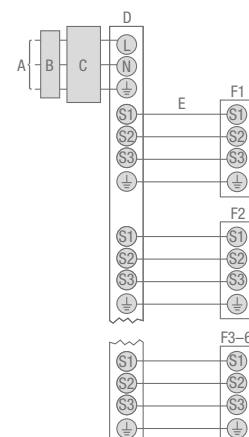
1. The size of the electrical line must comply with the respective local and national statutory regulations.
2. At least one polychloroprene-coated flexible cable (corresponding to 60245 IEC 57) must be used for the power supply and for connecting the indoor unit and outdoor system.
3. Install an earth line that is longer than the other cables.

Electrical connection diagram M-series single-split inverter



- A Voltage supply of outdoor unit
B Fault-current circuit breaker
C Fuse
D Outdoor unit
E Connection cable, outdoor unit – indoor unit
F1 Indoor unit

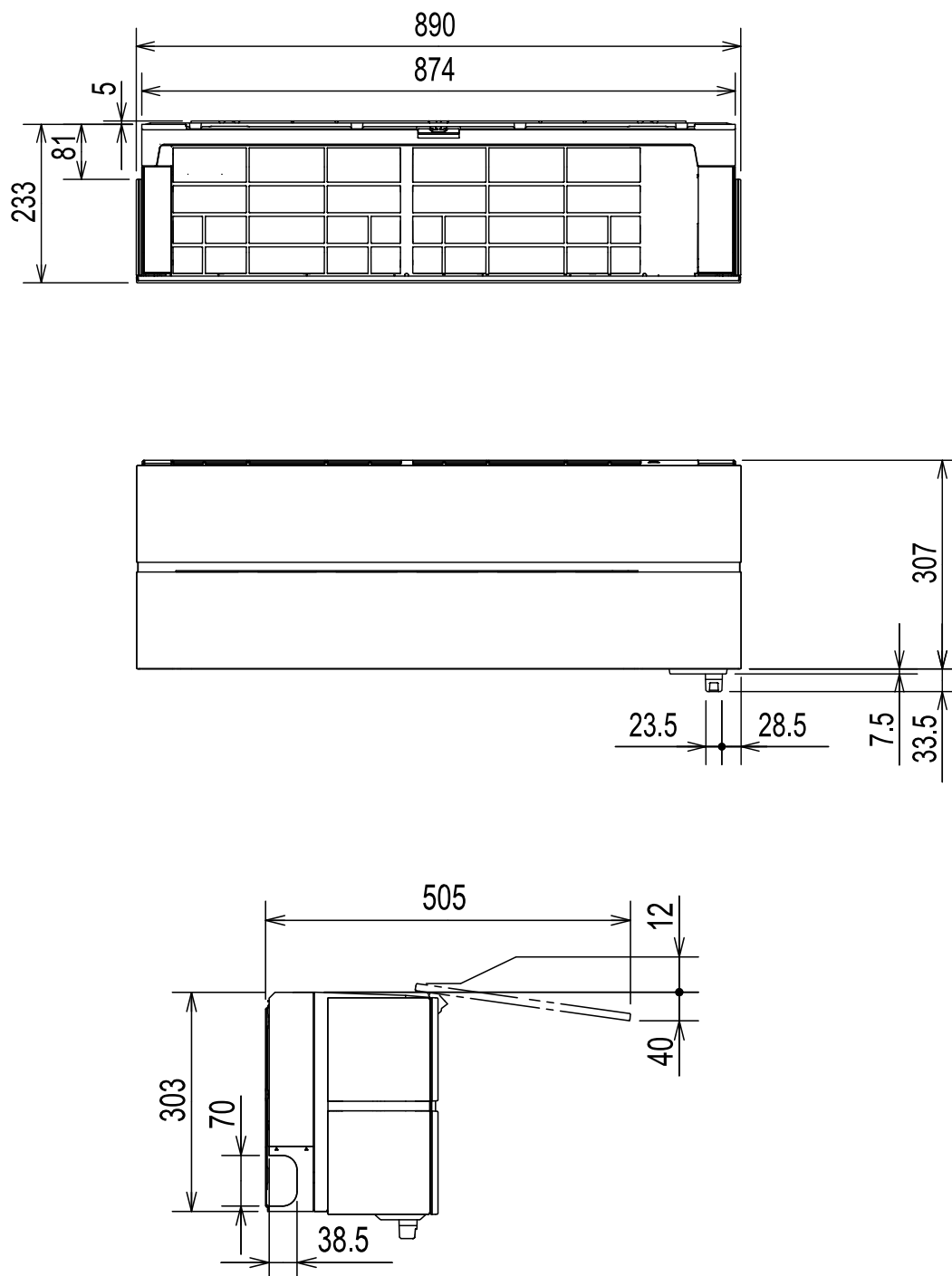
Electrical connection diagram MXZ multi-split inverter, 2-6 indoor units



- A Voltage supply of outdoor unit
B Fault-current circuit breaker
C Fuse
D Outdoor unit
E Connection cable, outdoor unit – indoor units
F1 – F6 Indoor units no. 1 to no. 6

1.5 MSZ-LN18-60VG2 R/V/W/B
MSZ-LN inverter wall-mounted units

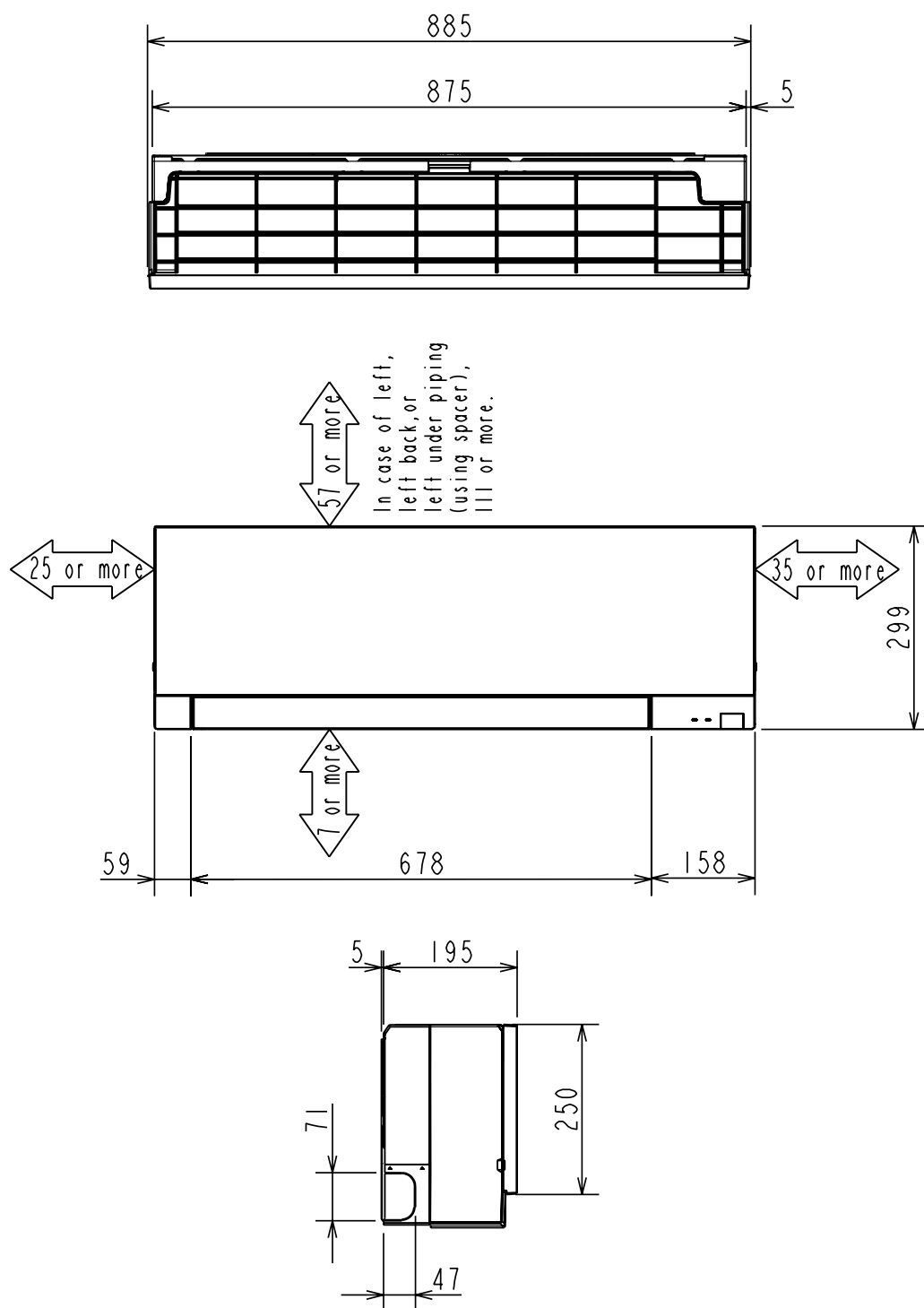
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1.6 MSZ EF18-50VGK W/B/S

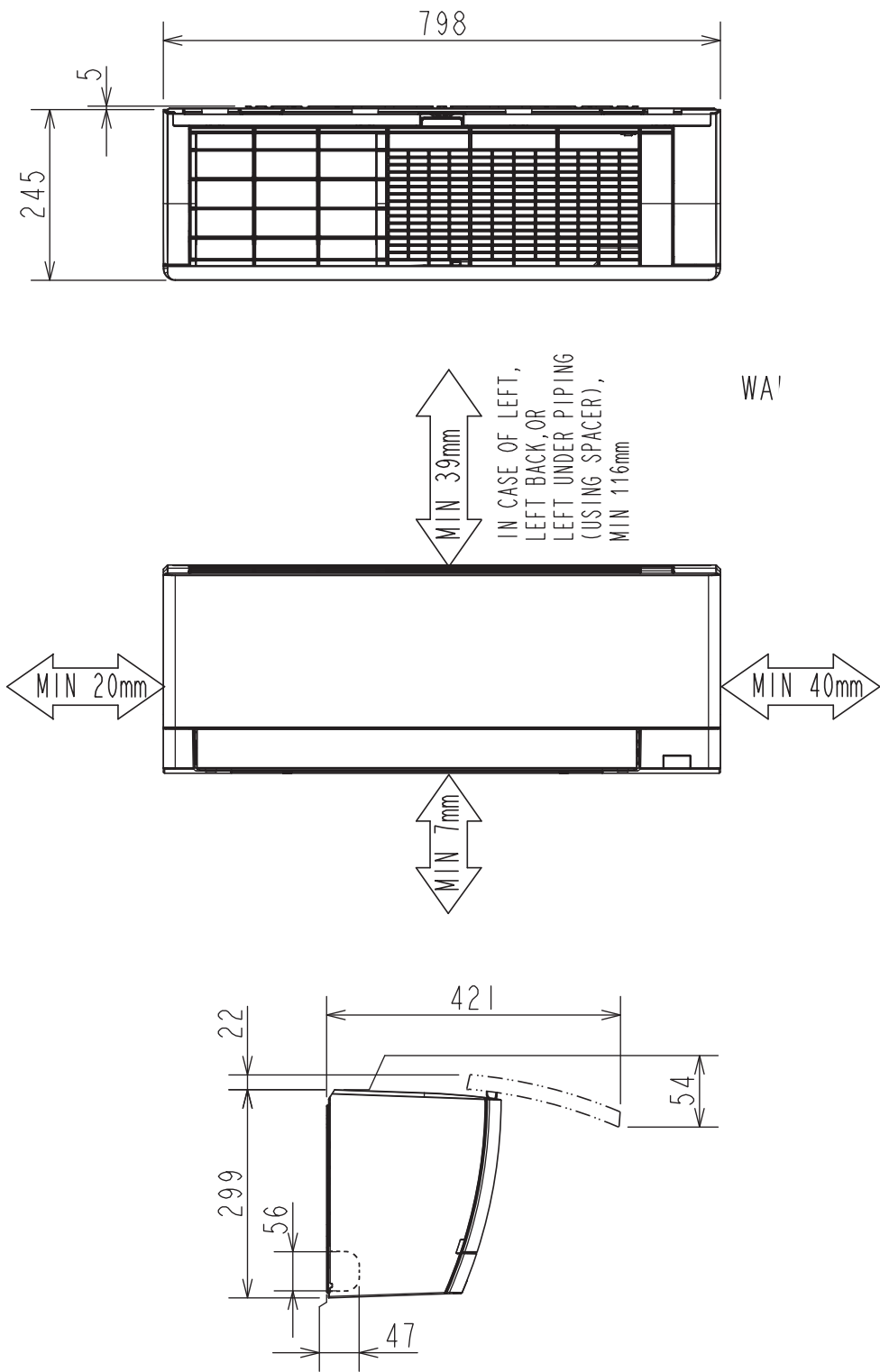
MSZ-EF inverter wall-mounted units

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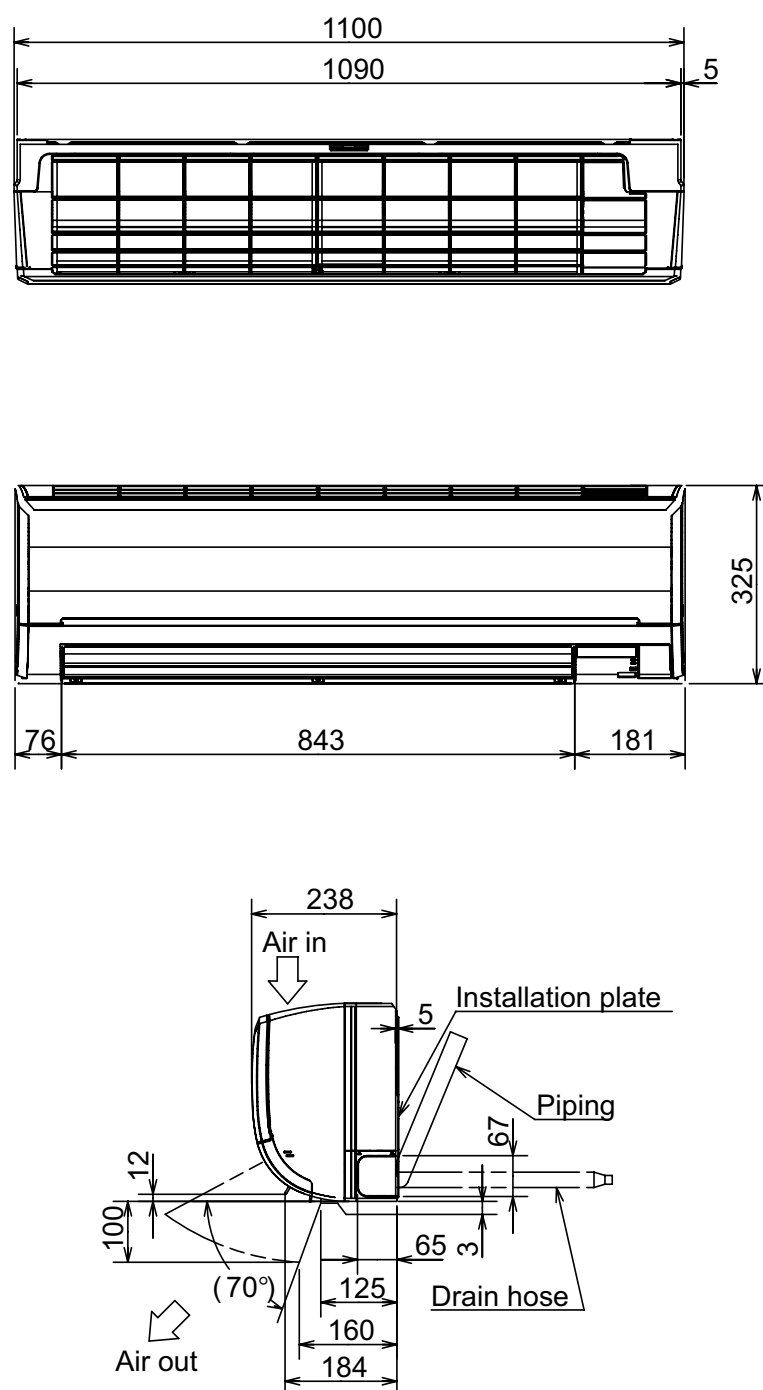
1.7 MSZ-AY15-50VGKP
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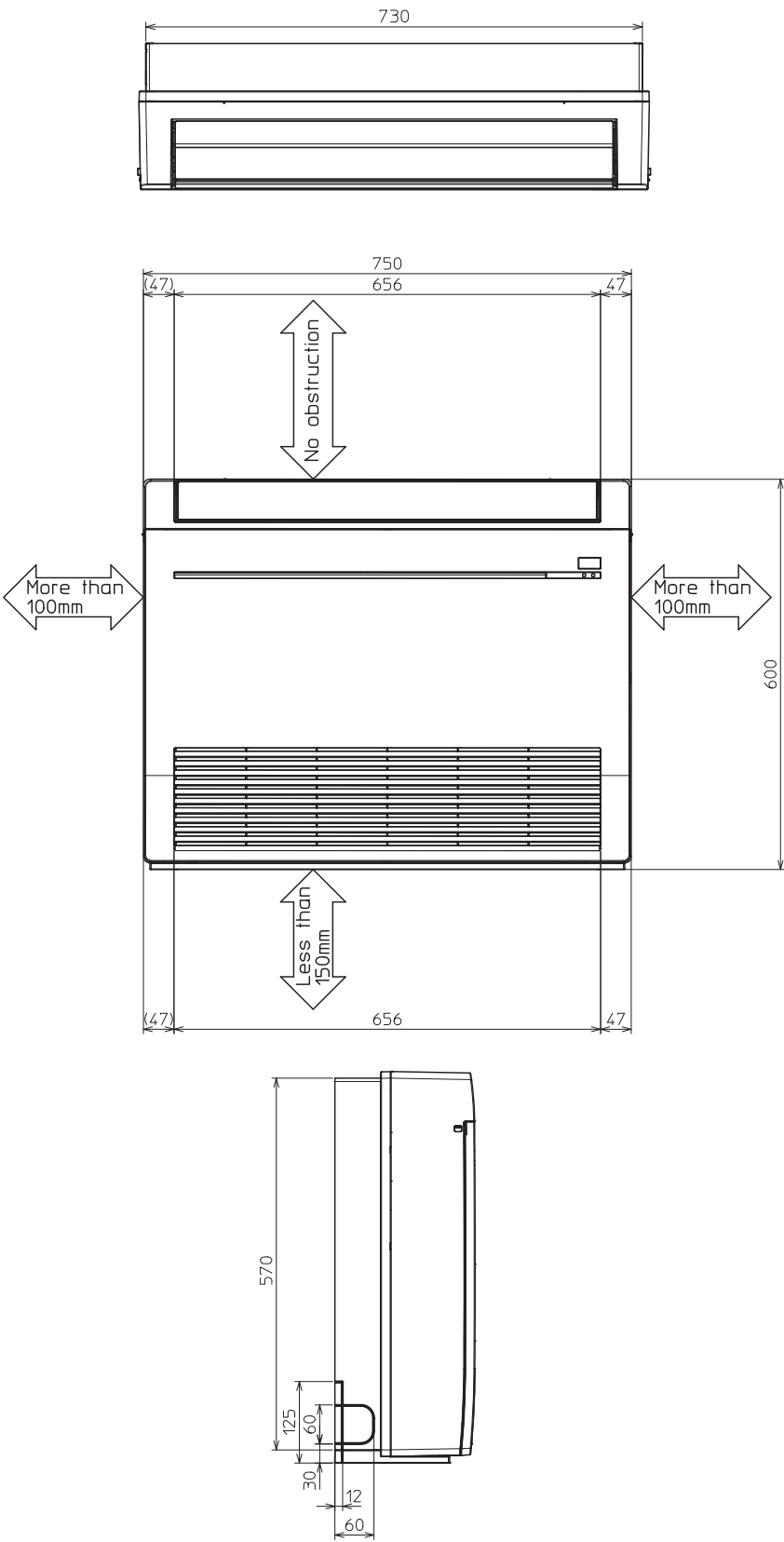
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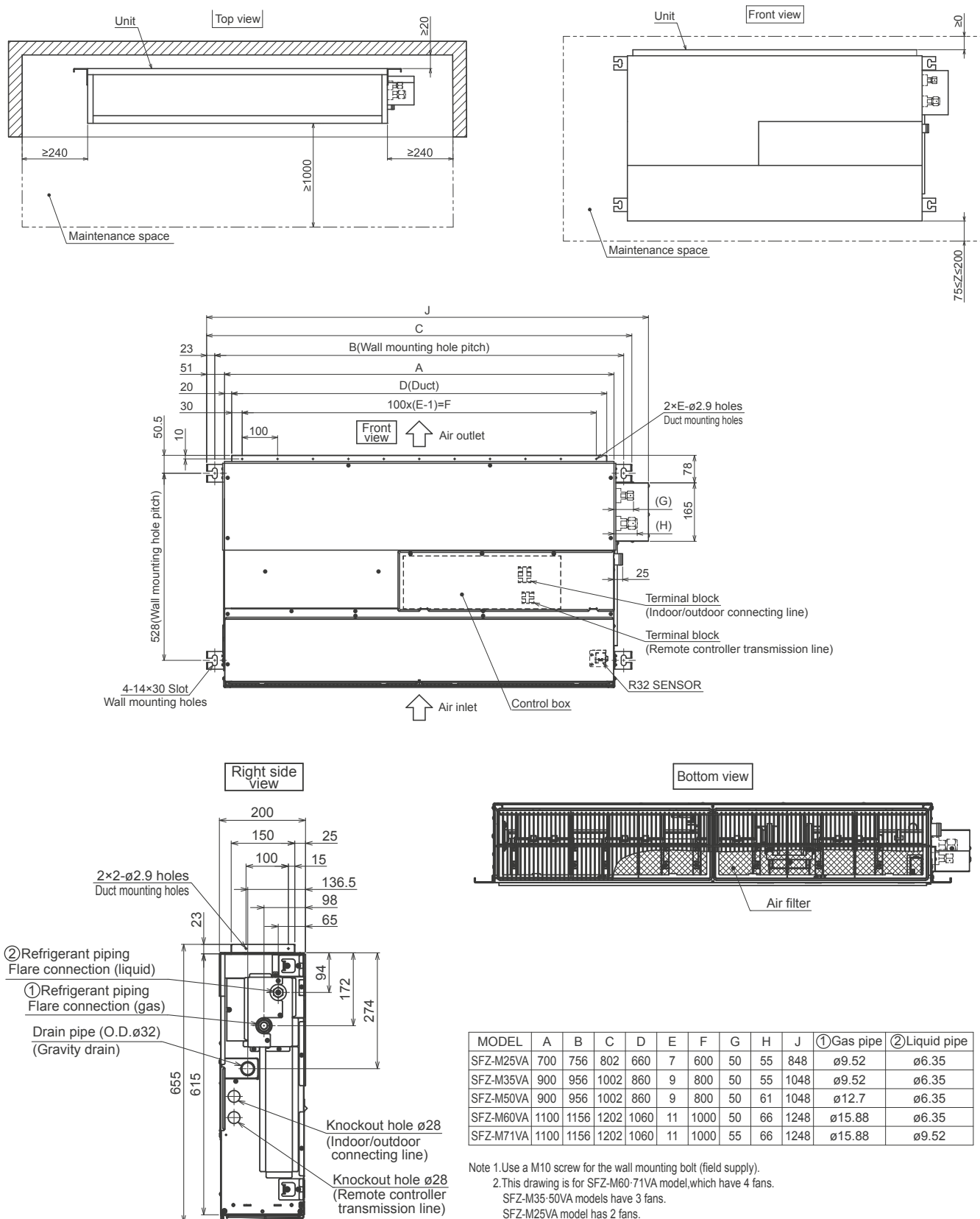
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1.9 MFZ-KT25-60VG
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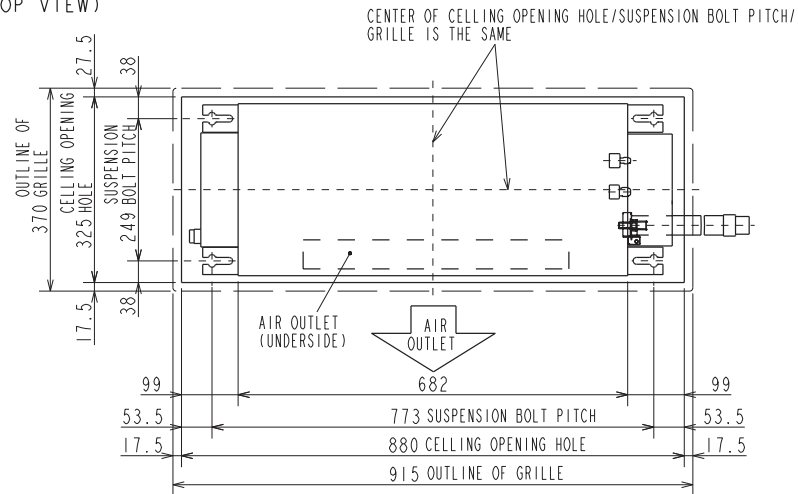
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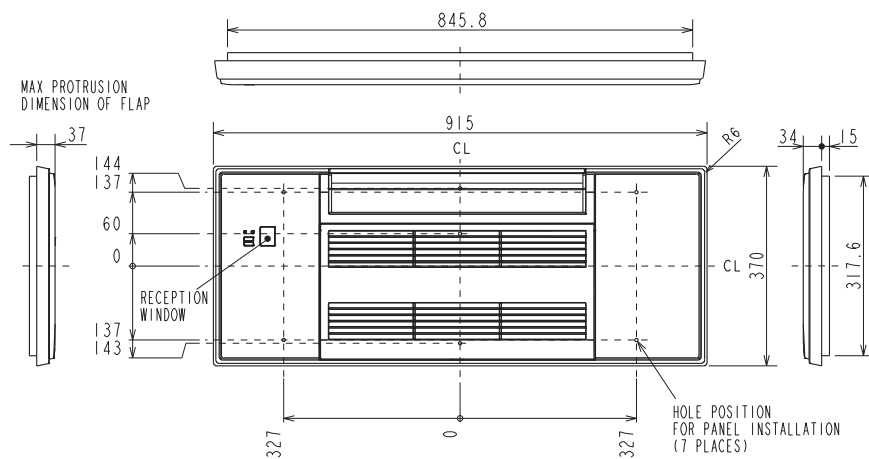
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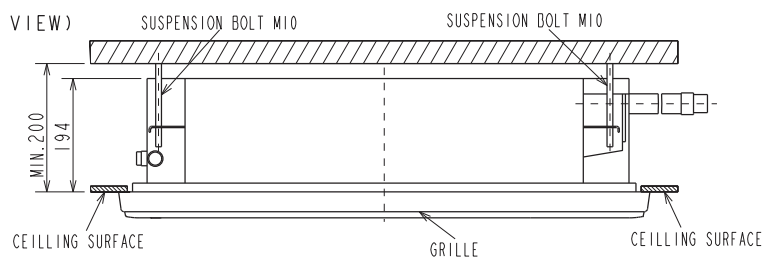
INDOOR UNIT DETAIL VIEW
(TOP VIEW)



GRILLE OUTLINE DRAWING
(MLP-448W)



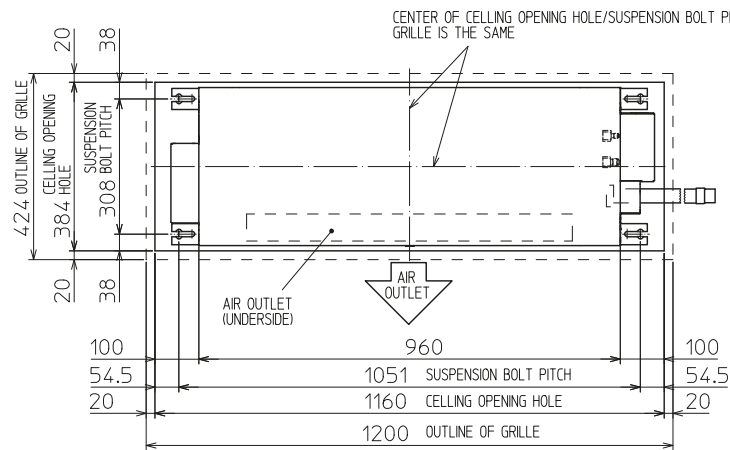
(FRONT VIEW)



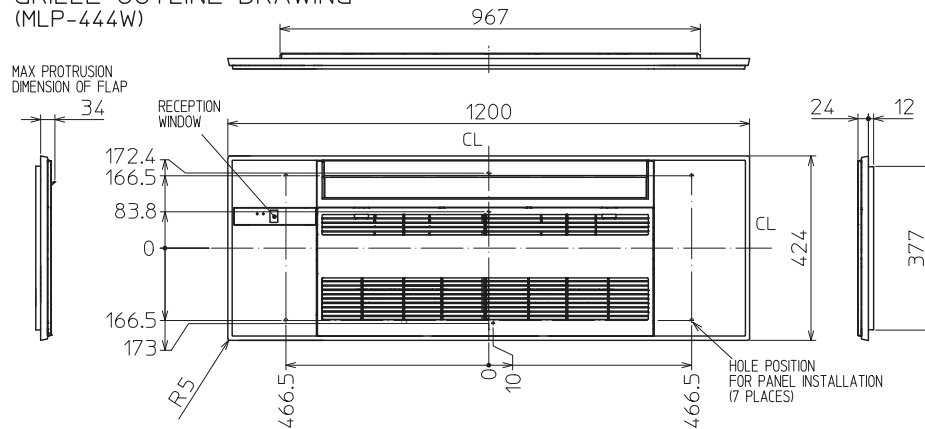
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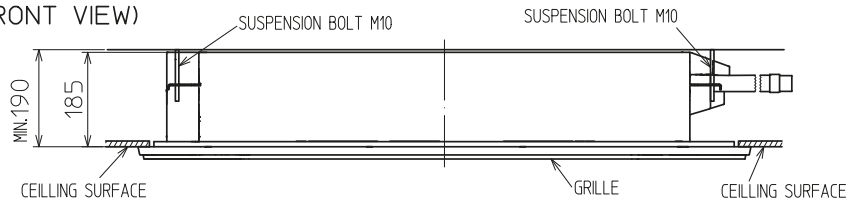
INDOOR UNIT DETAIL VIEW
(TOP VIEW)



GRILLE OUTLINE DRAWING
(MLP-444W)

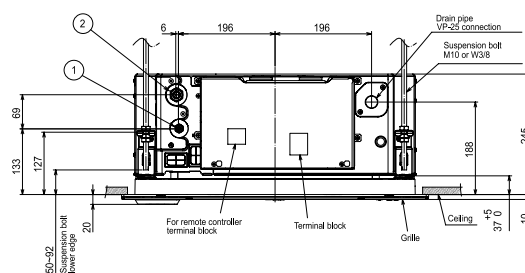
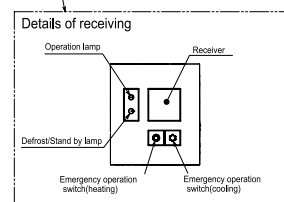
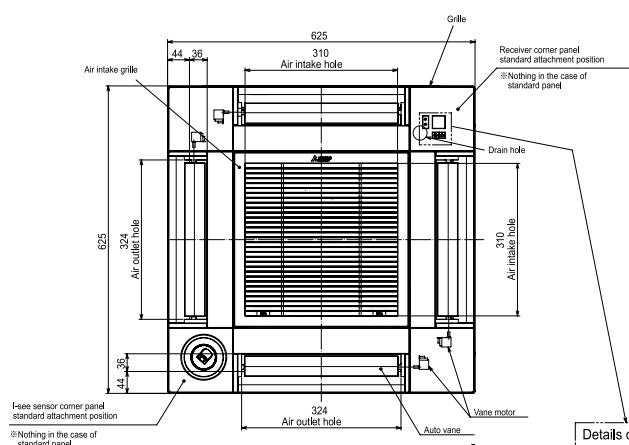
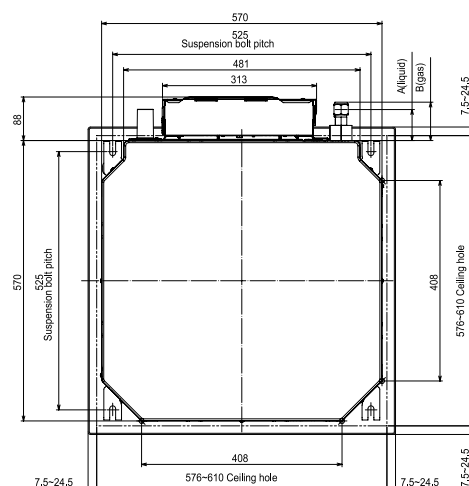


(FRONT VIEW)



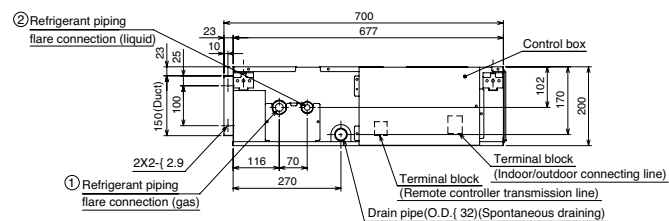
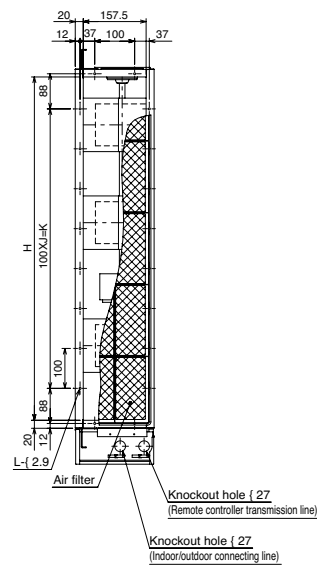
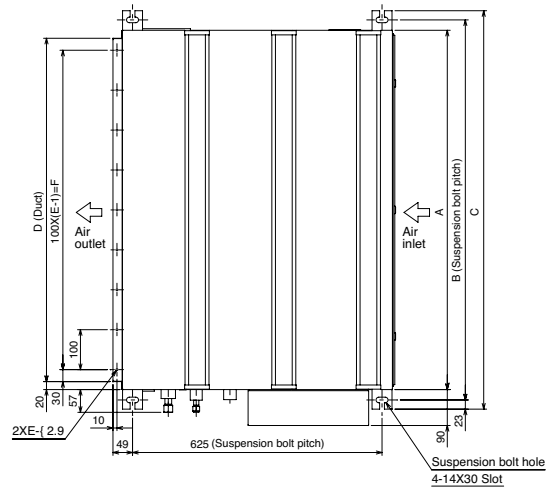
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SEZ-M ducted units

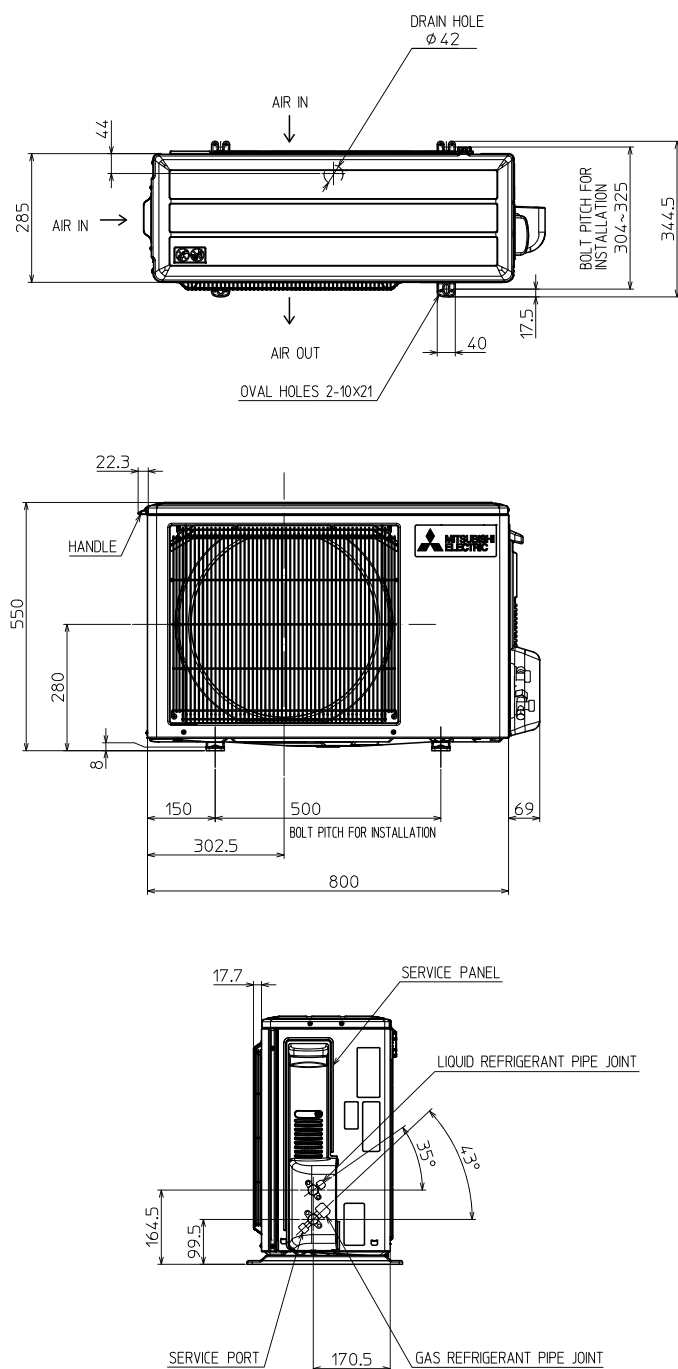
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Model	A	B	C	D	E	F	G	H	J	K	L	① Gas pipe	② Liquid pipe
SEZ-M25DA(L)	700	752	798	660	7	600	800	660	5	500	16	φ9.52	φ6.35
SEZ-M35DA(L)	900	952	998	860	9	800	1000	860	7	700	20	φ12.7	
SEZ-M60DA(L)	1100	1152	1198	1060	11	1000	1200	1060	9	900	24	φ15.88	
SEZ-M71DA(L)													φ9.52

- Note1. Use M10 screw for the suspension bolt (field supply).
 2. Keep the service space for the maintenance at the bottom.
 3. This chart indicates for SEZ-M50DA(L) model, which has 3 fans.
 SEZ-M25,35DA(L) models have 2 fans.
 SEZ-M60,71DA(L) models have 4 fans.
 4. In case an inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

1.15 MUZ-LN25/35VG2
MUZ inverter outdoor units

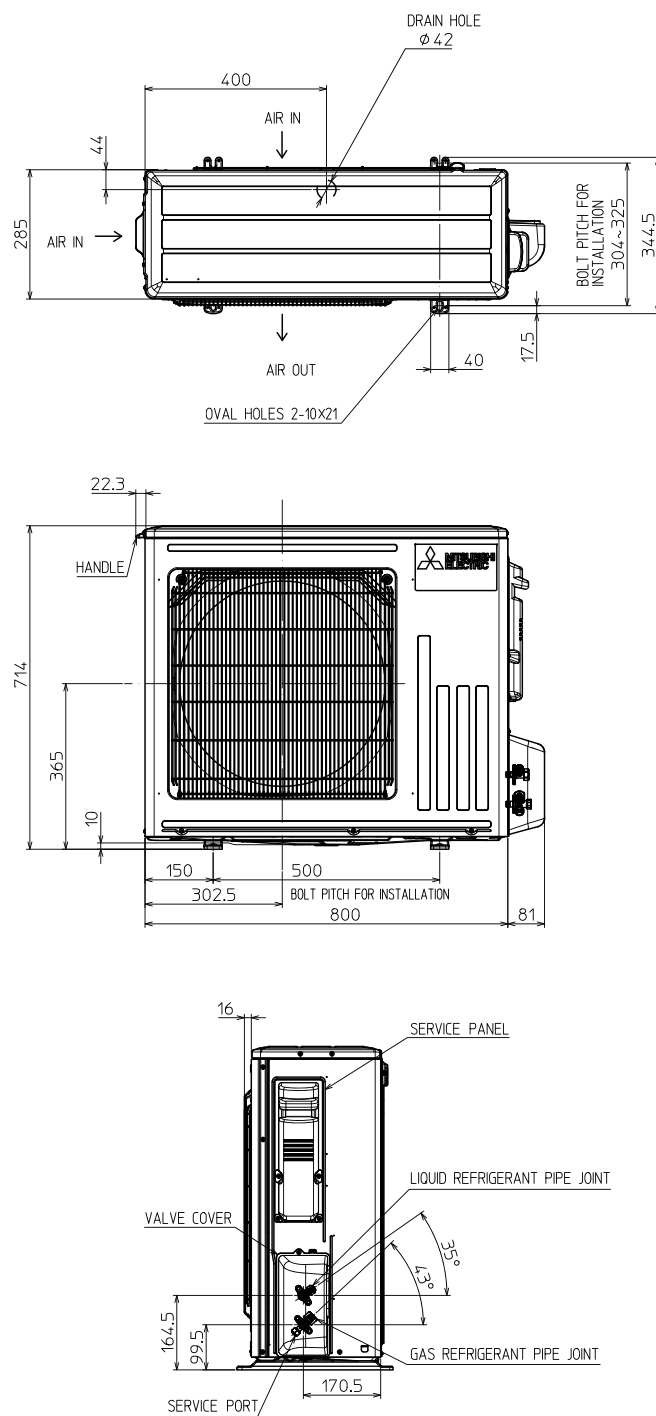
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1.16 MUZ-LN50VG2

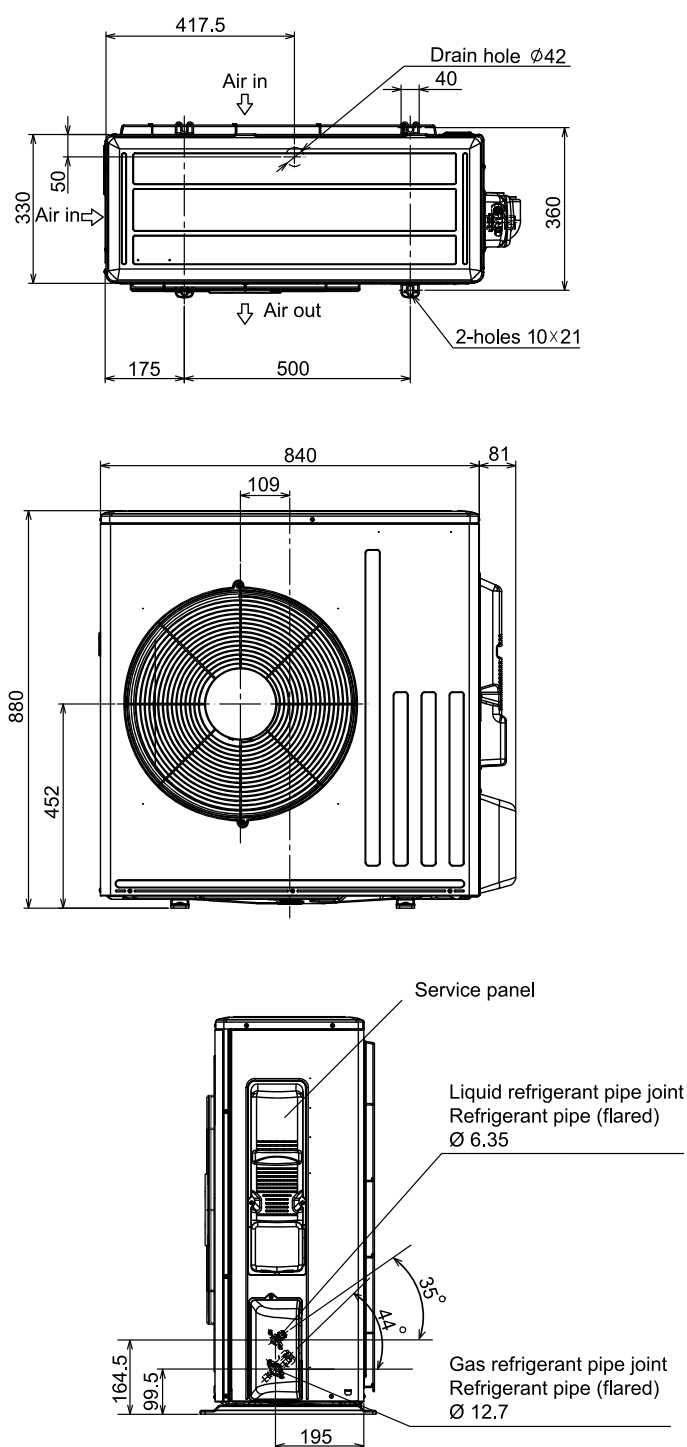
MUZ inverter outdoor units

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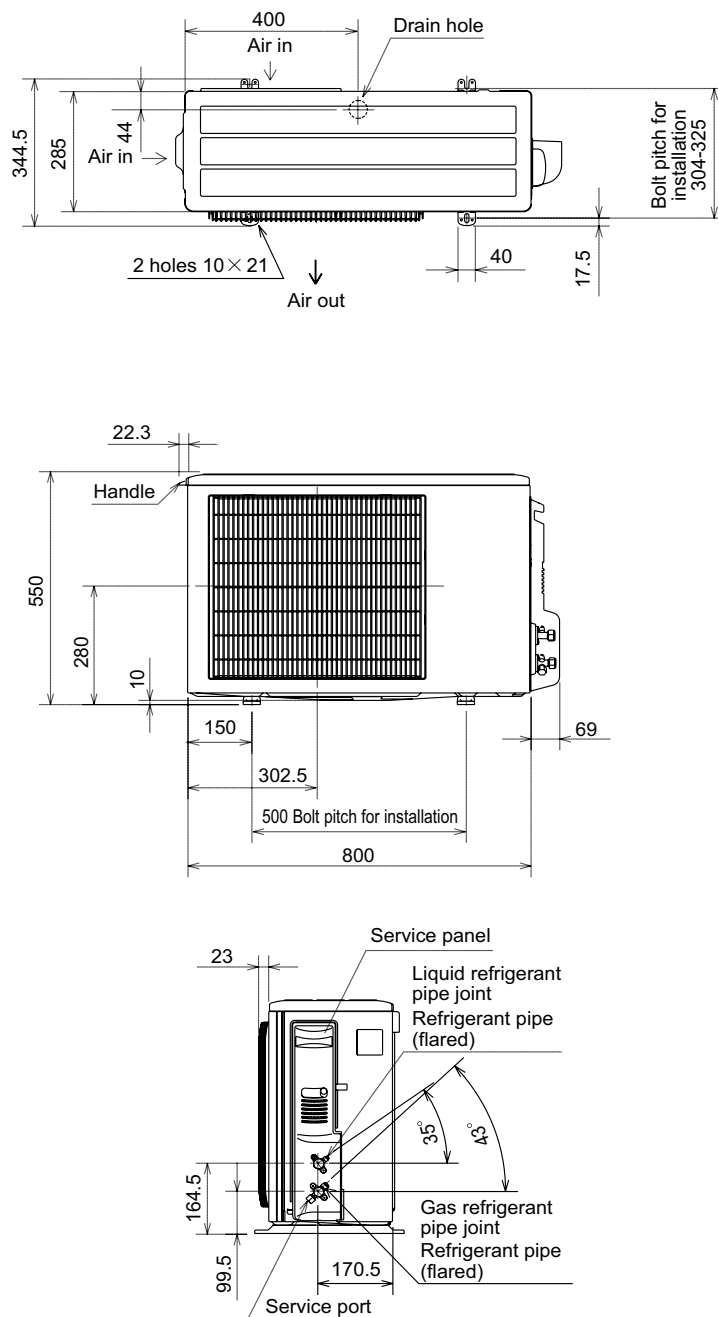
1.17 MUZ-LN60VG2
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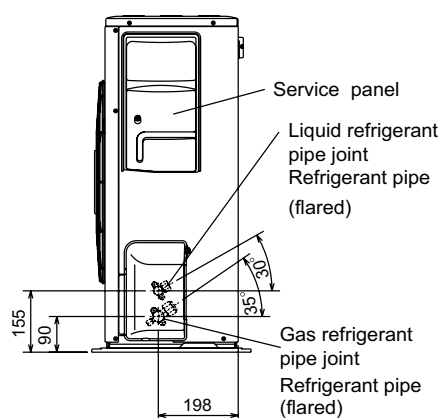
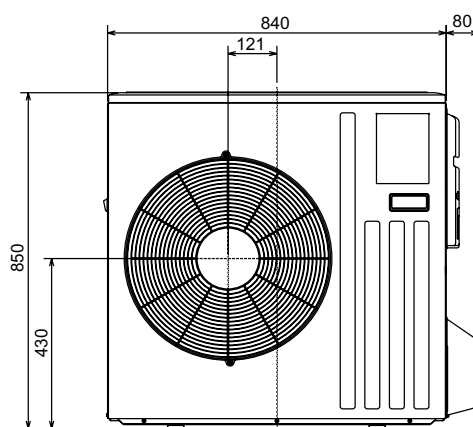
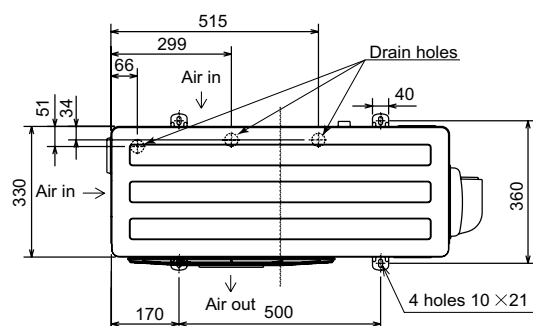
1.18 MUZ-EF25-42VG
MUZ inverter outdoor units

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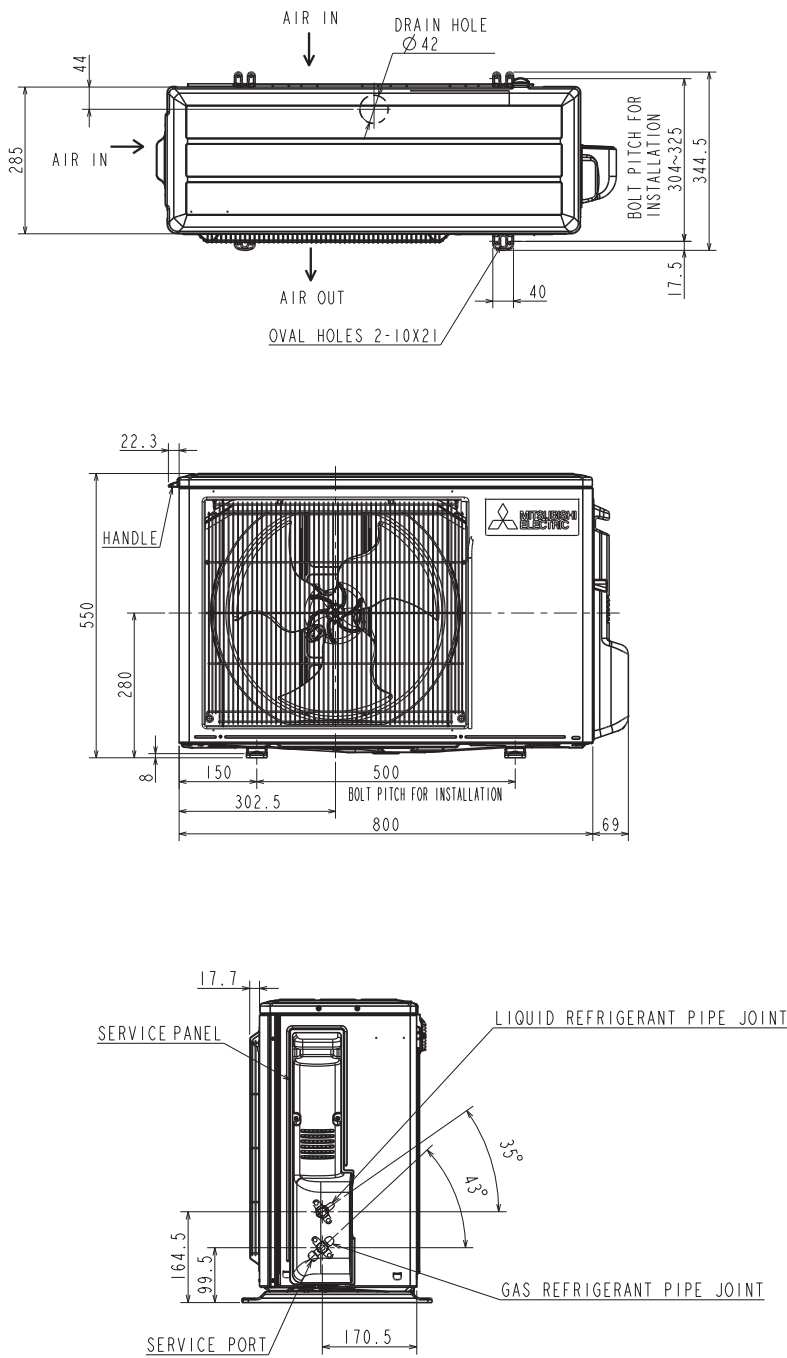
1.19 MUZ-EF50VG
MUZ inverter outdoor units

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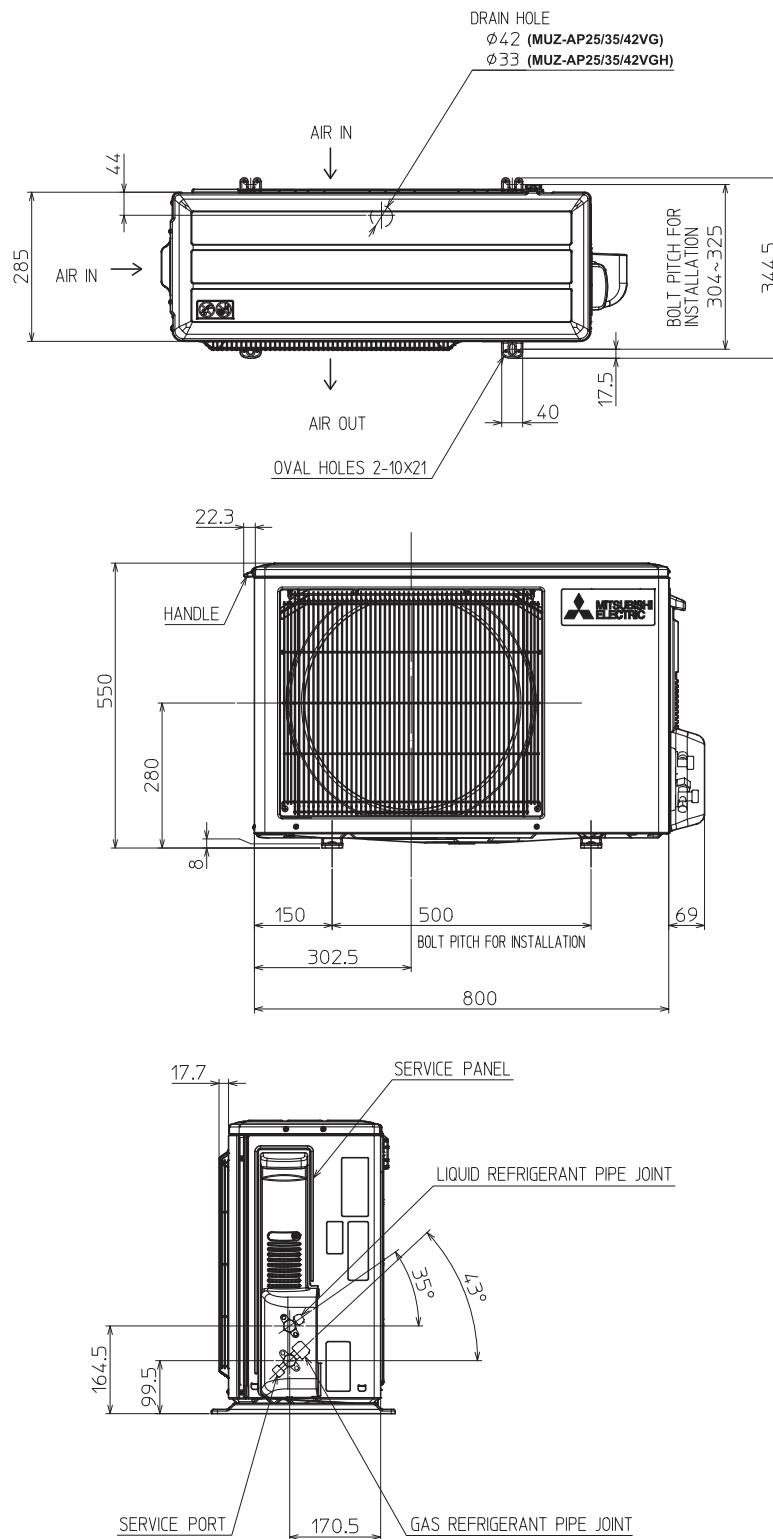
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MUZ-Inverter Außengeräte

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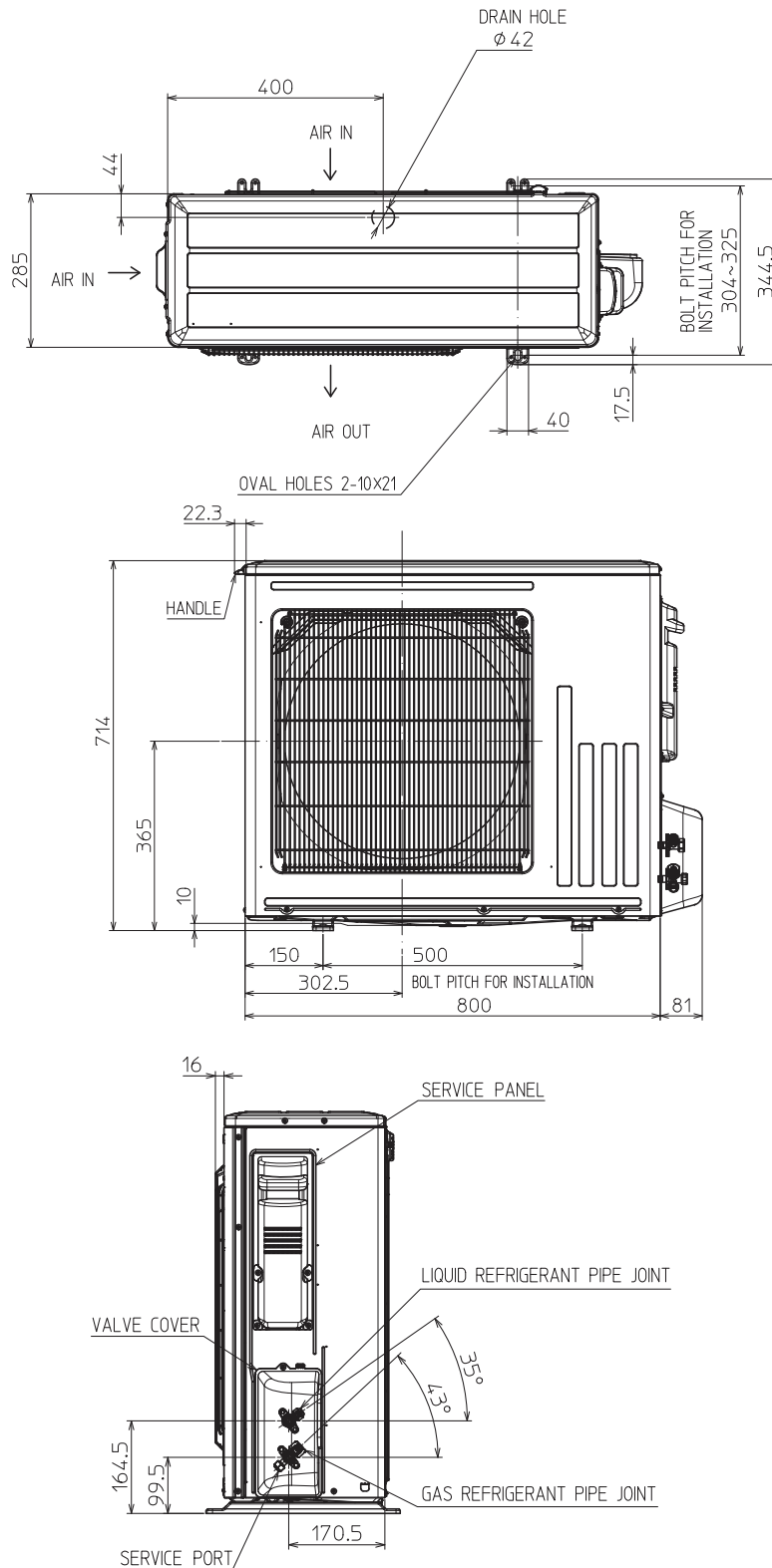
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MUZ-Inverter Außengeräte

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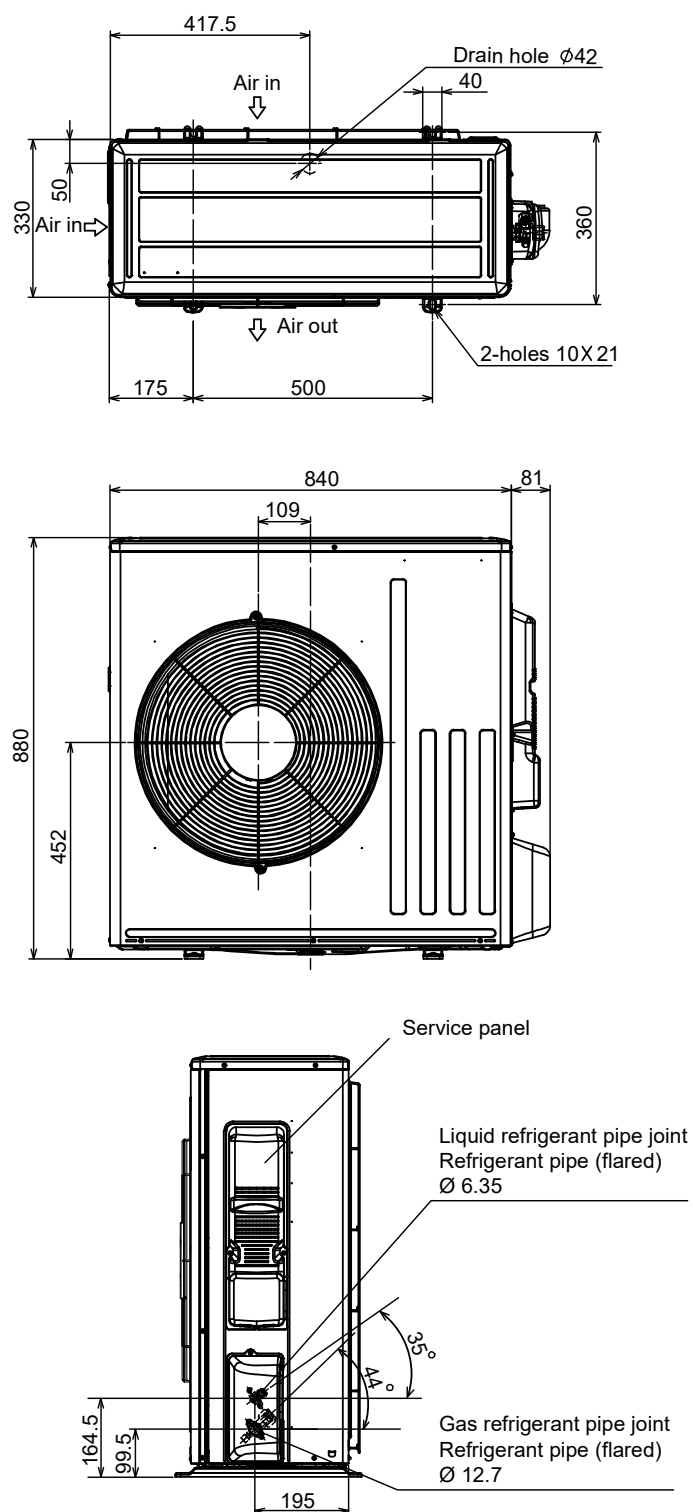
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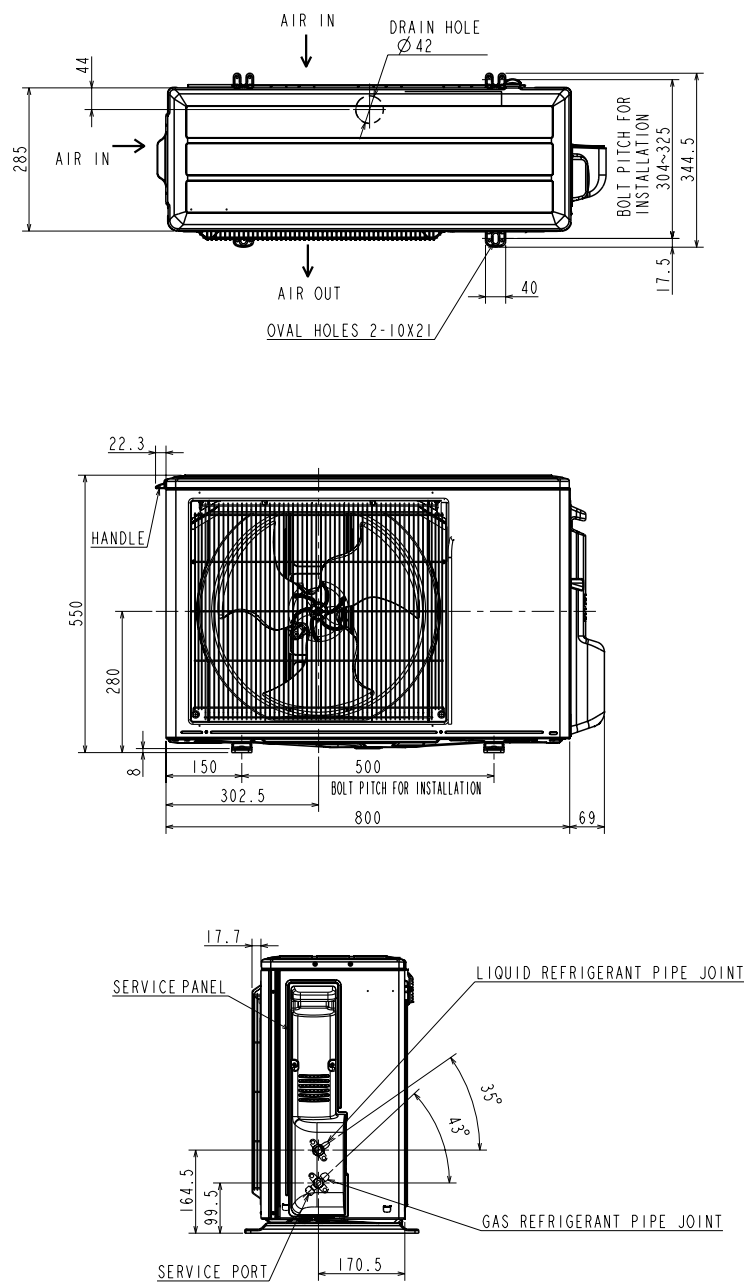
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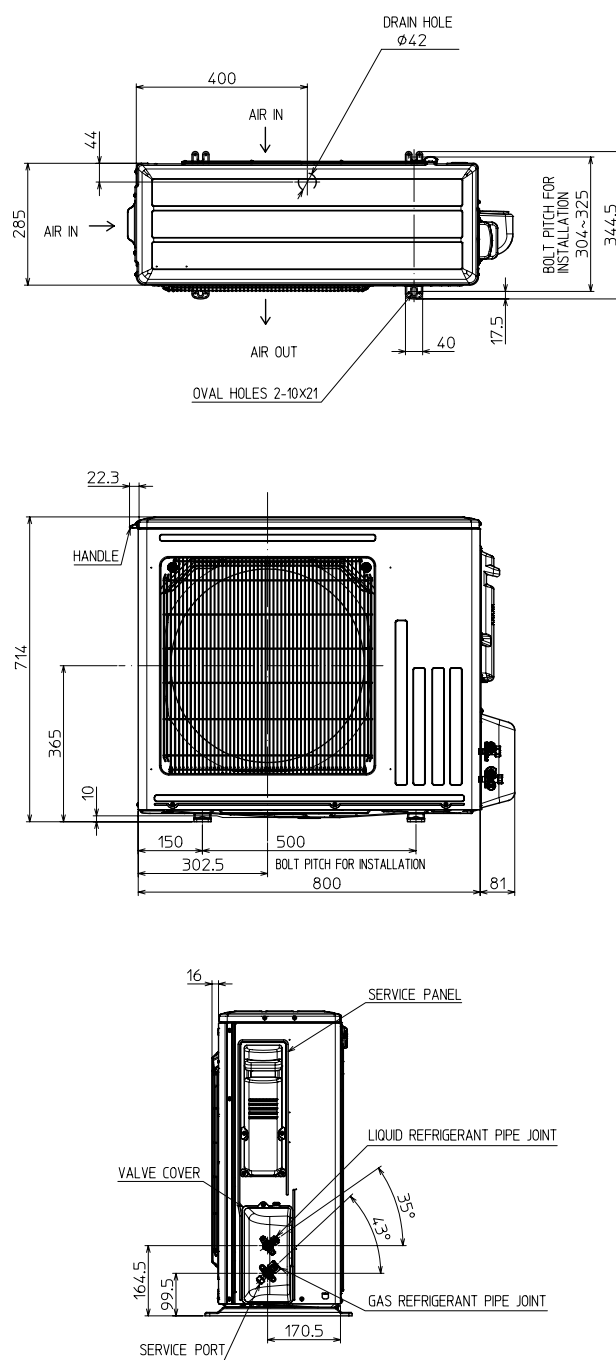
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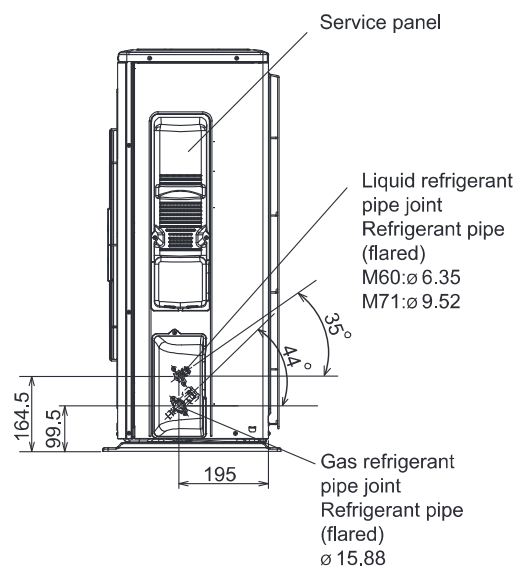
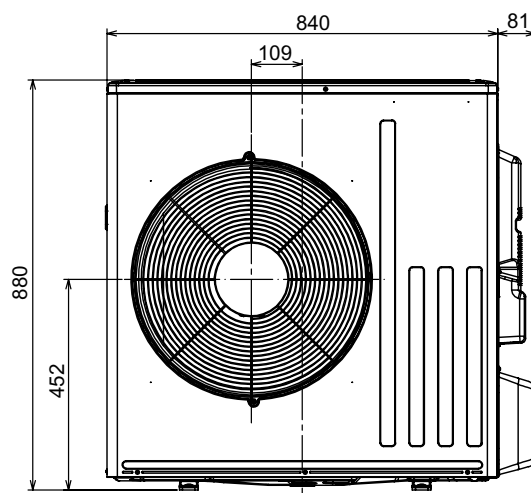
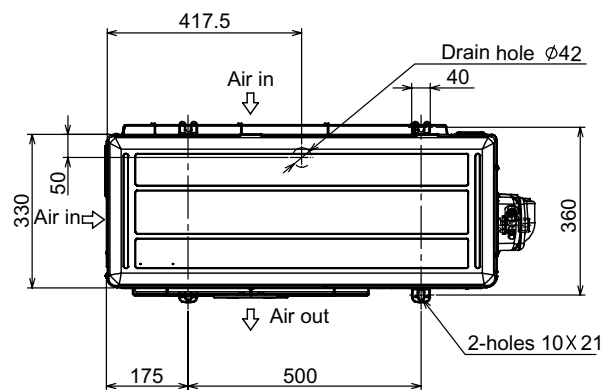
1.25 SUZ-M50VA
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1.26 SUZ-M60/71VA
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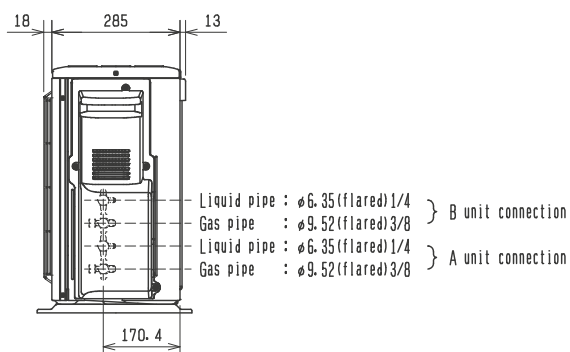
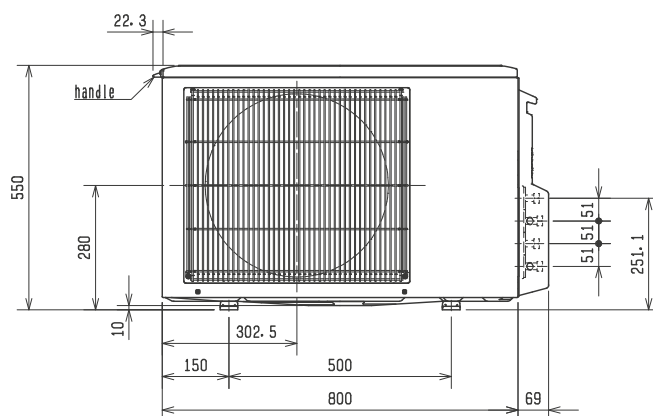
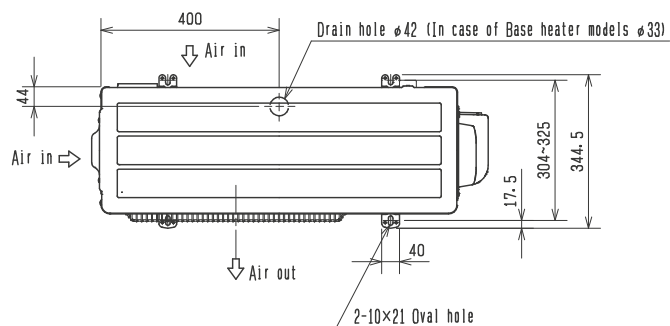
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1.27 MXZ-2F33-53VF4

MXZ multi-split inverter outdoor units

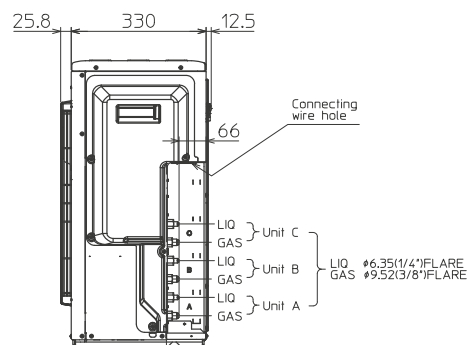
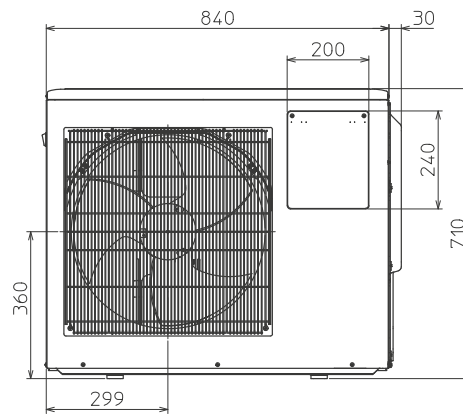
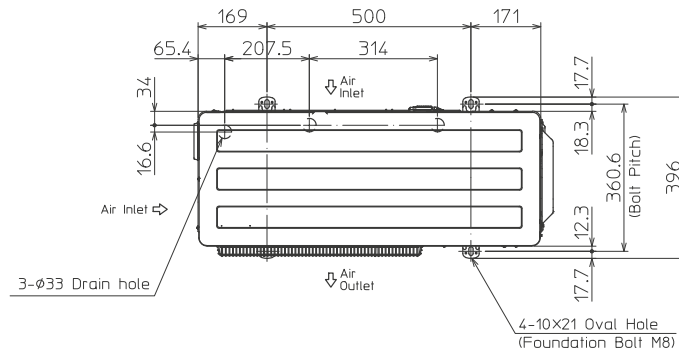
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1.28 MXZ-3F54/68VF4

MXZ multi-split inverter outdoor units

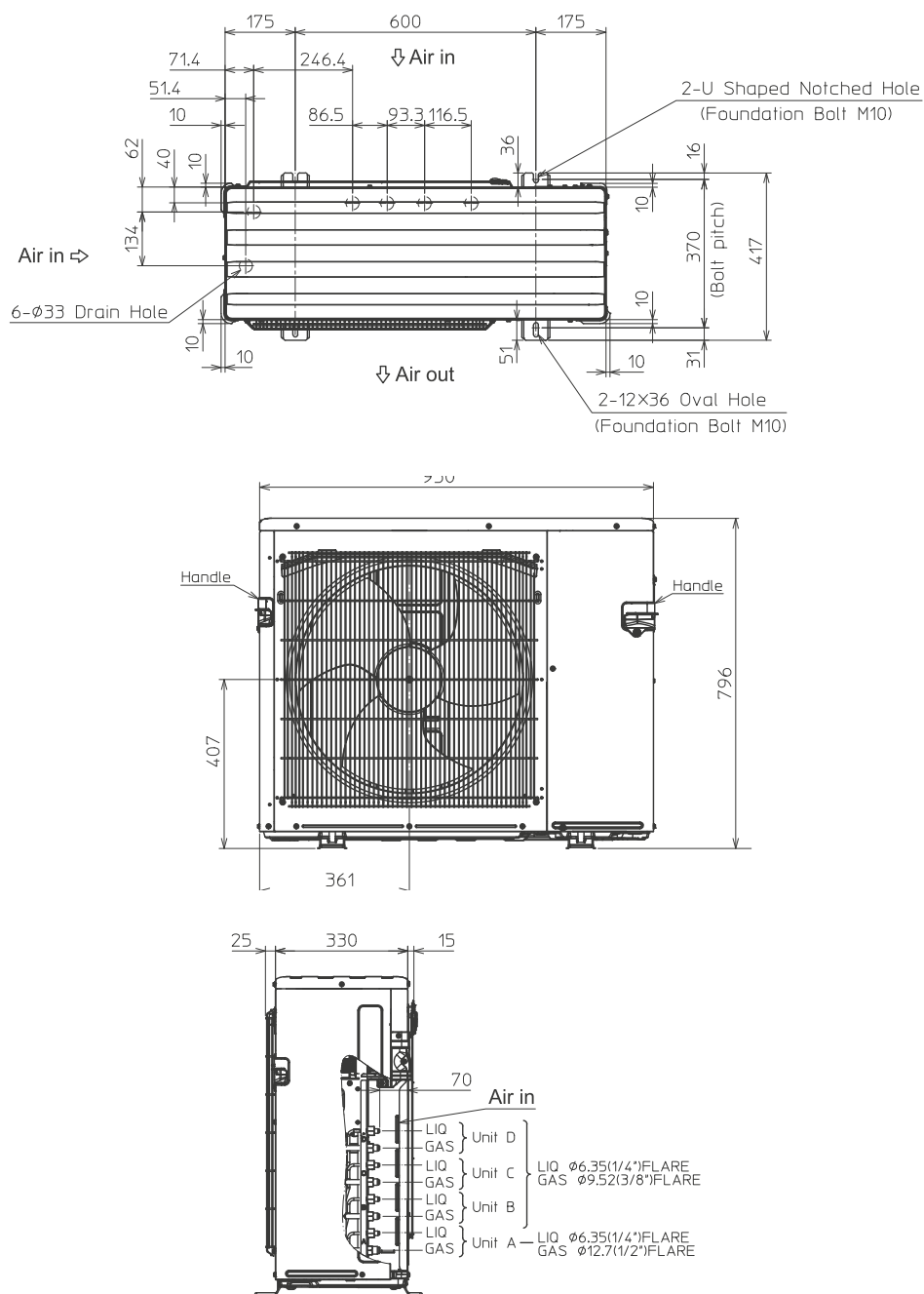
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1.30 MXZ-4F83VF2

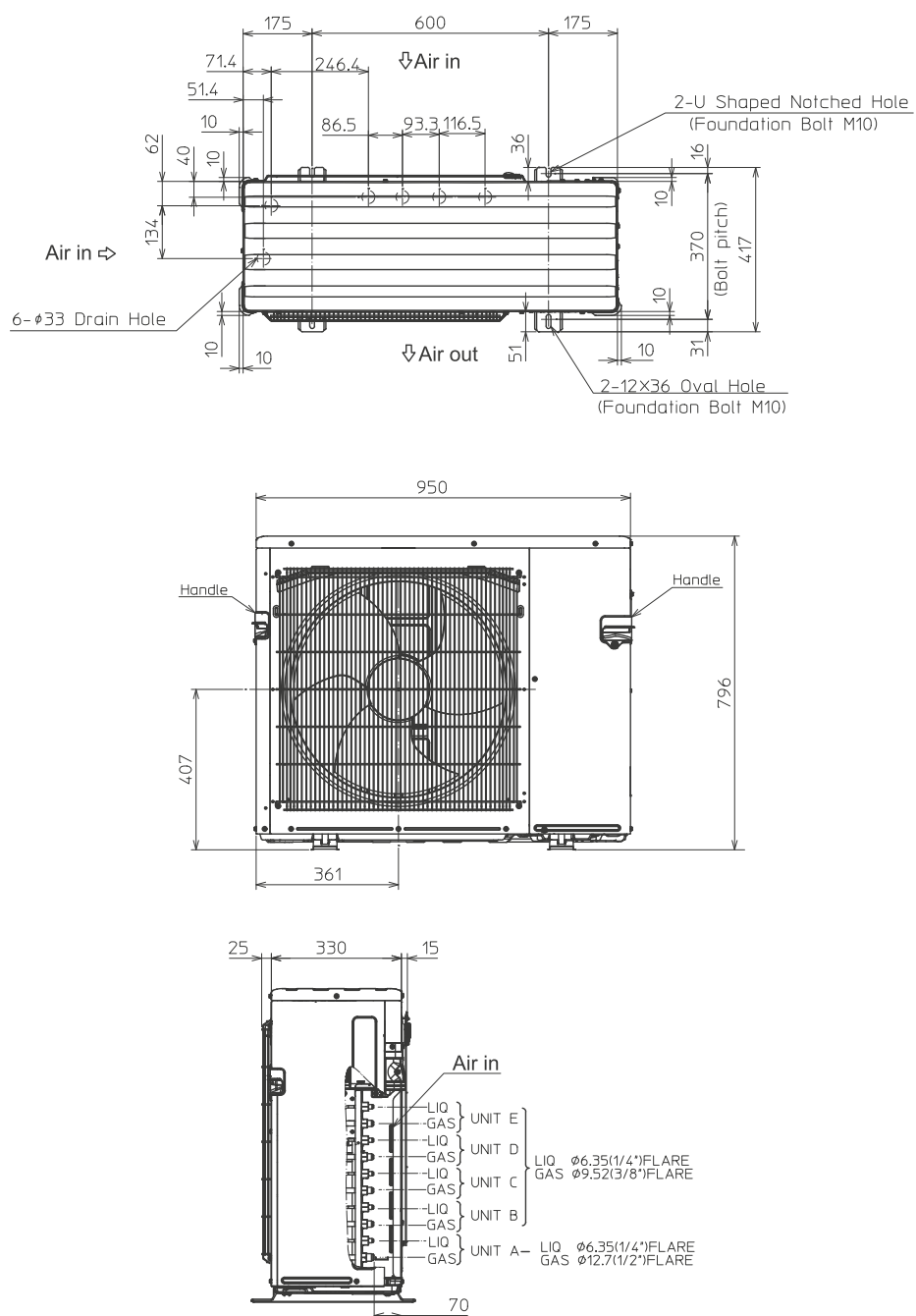
MXZ multi-split inverter outdoor units

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MXZ multi-split inverter outdoor units

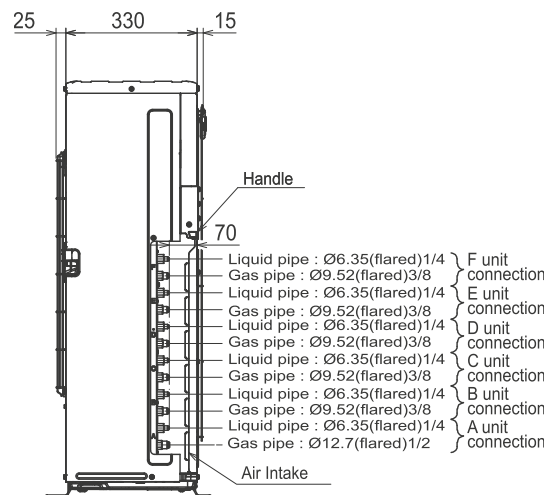
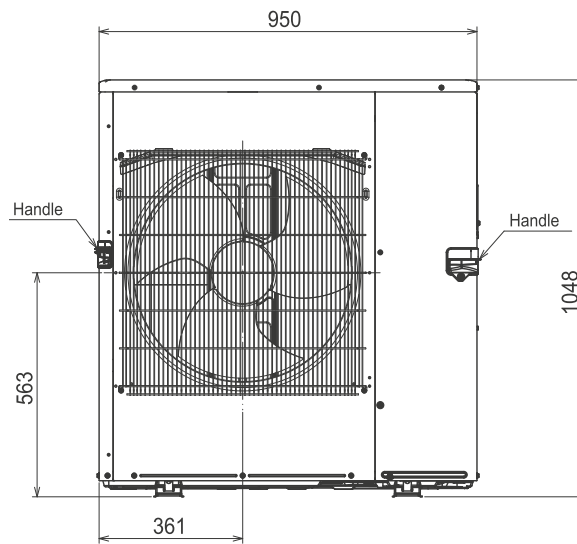
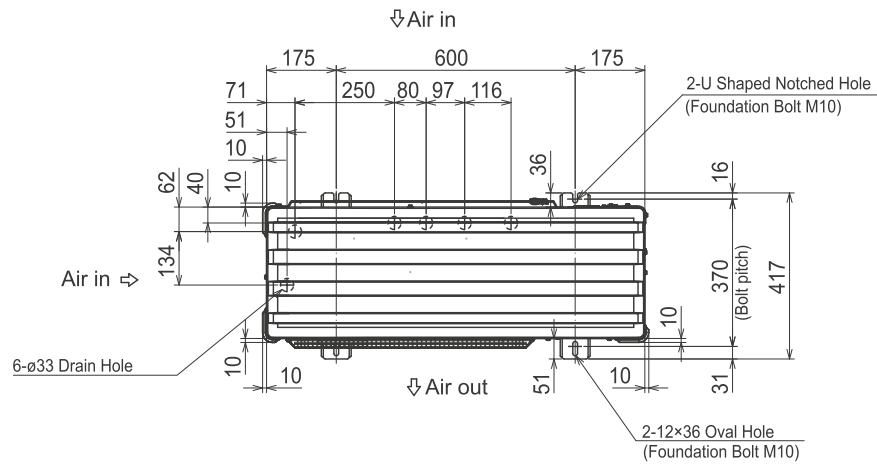
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1.32 MXZ-6F120VF2

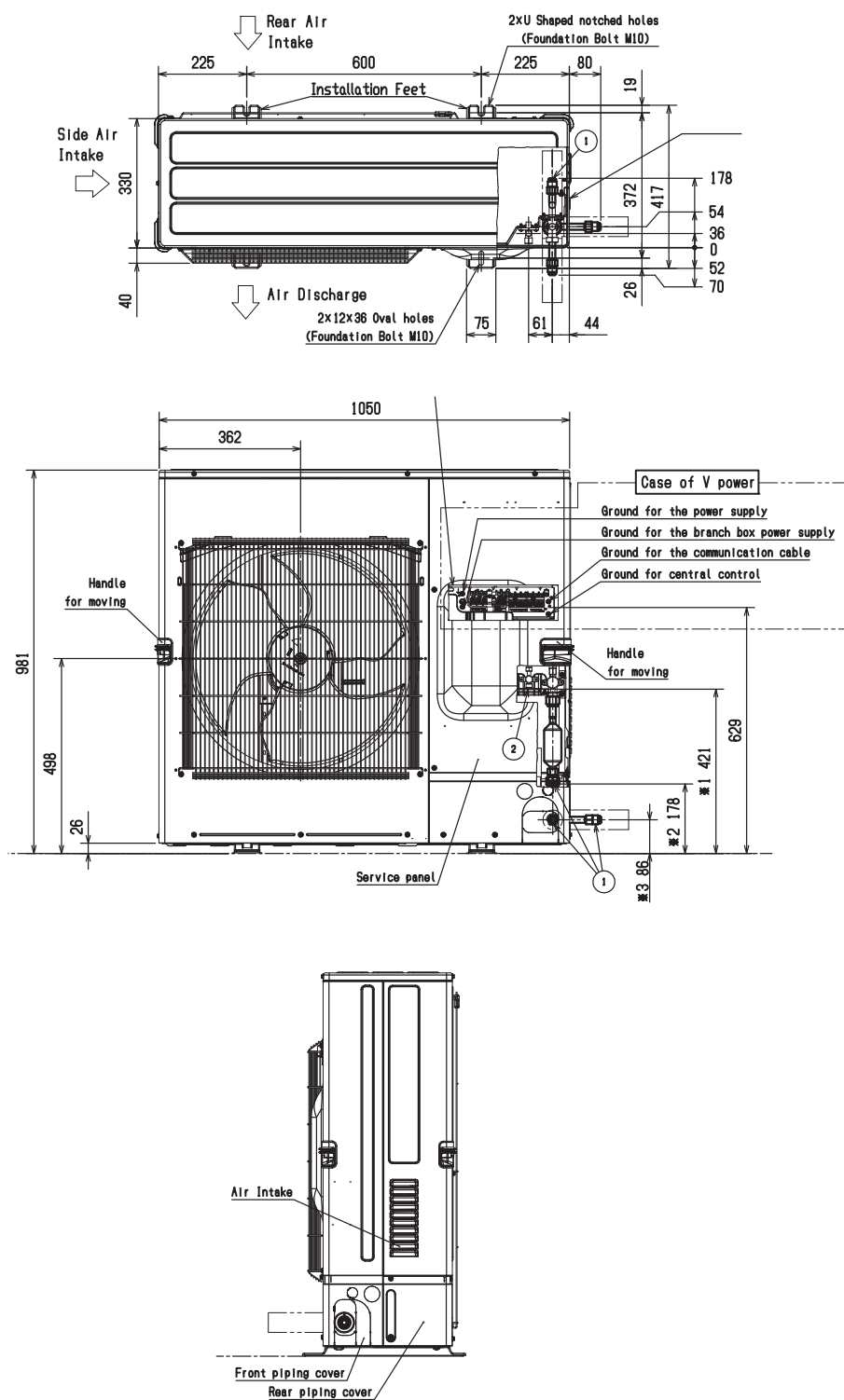
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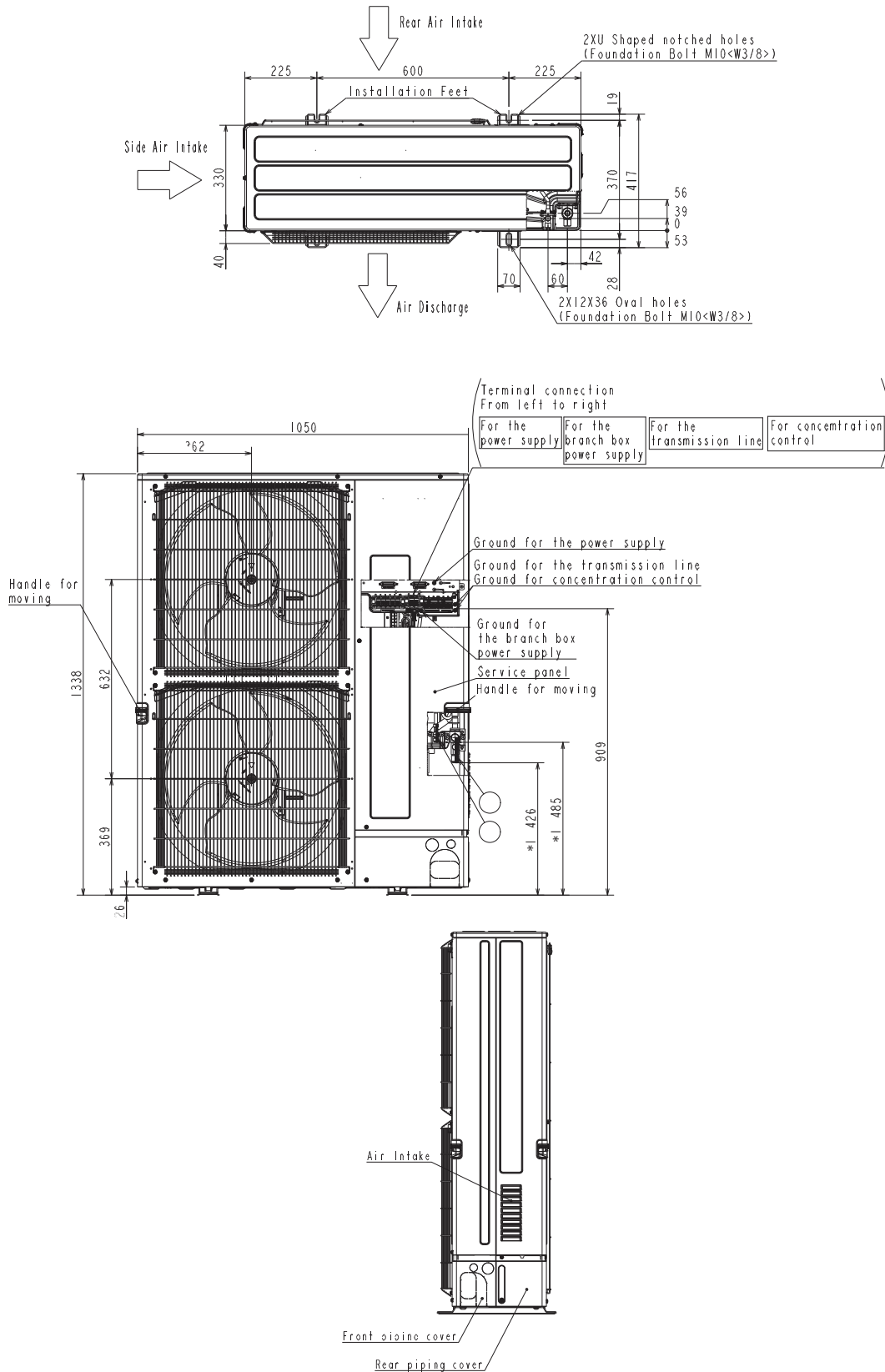
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PUMY multi-split inverter outdoor units

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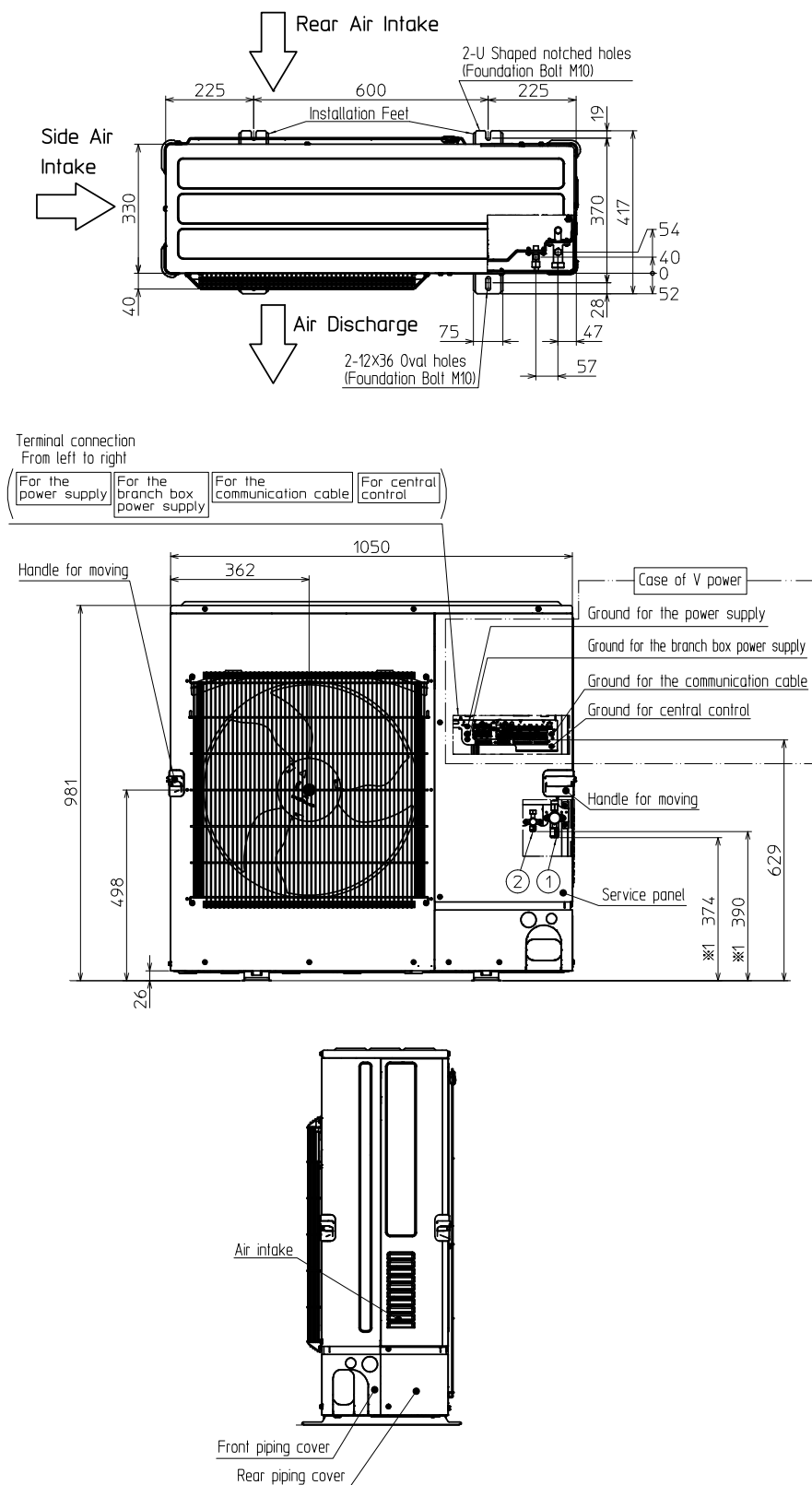
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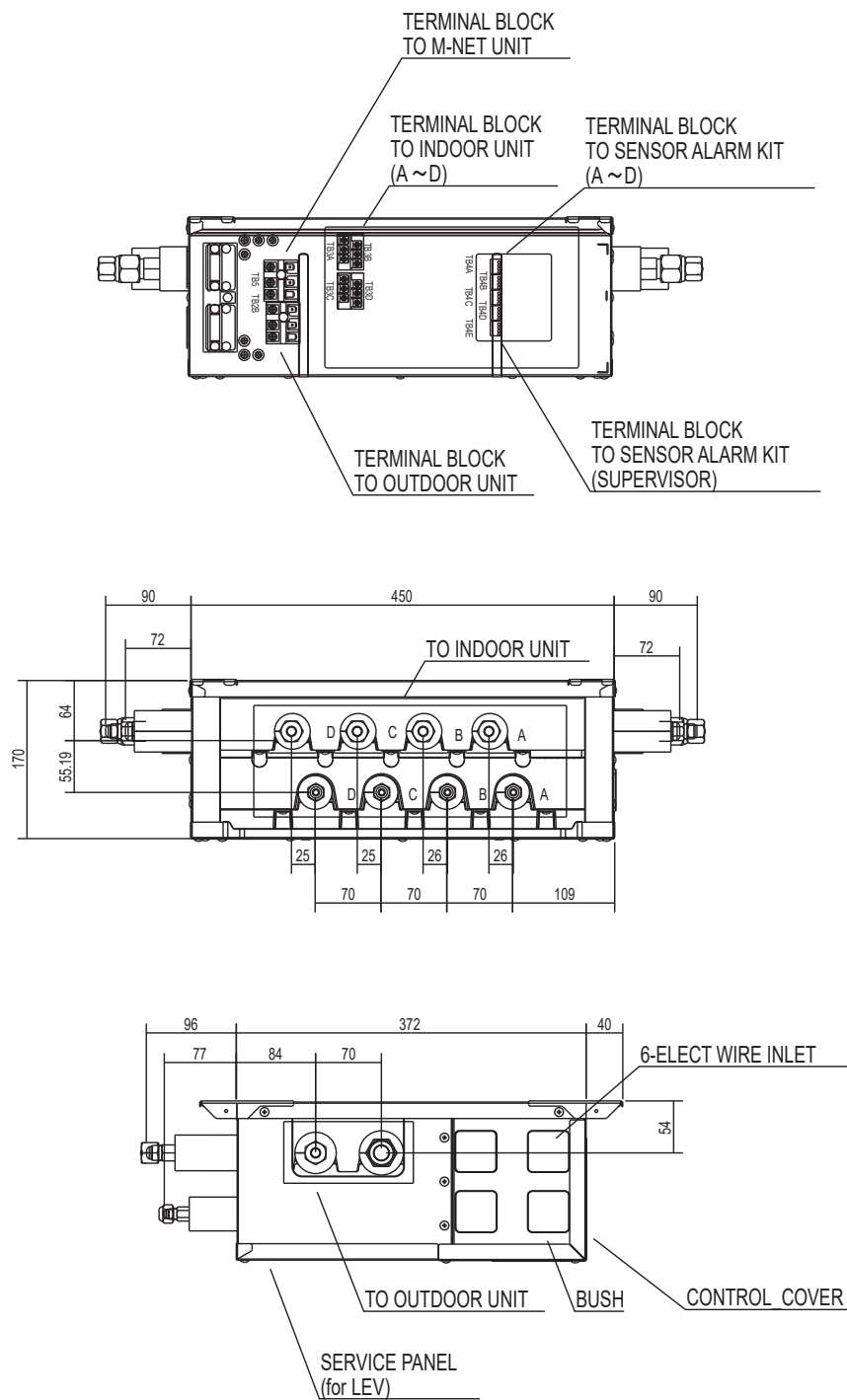
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PUMY multi-split inverter outdoor units

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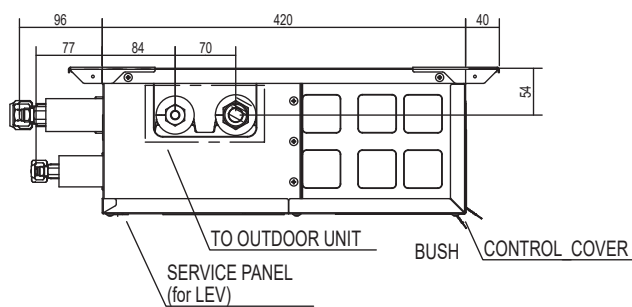
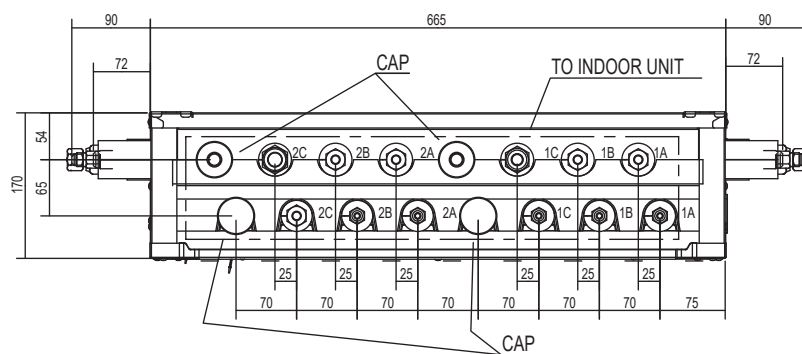
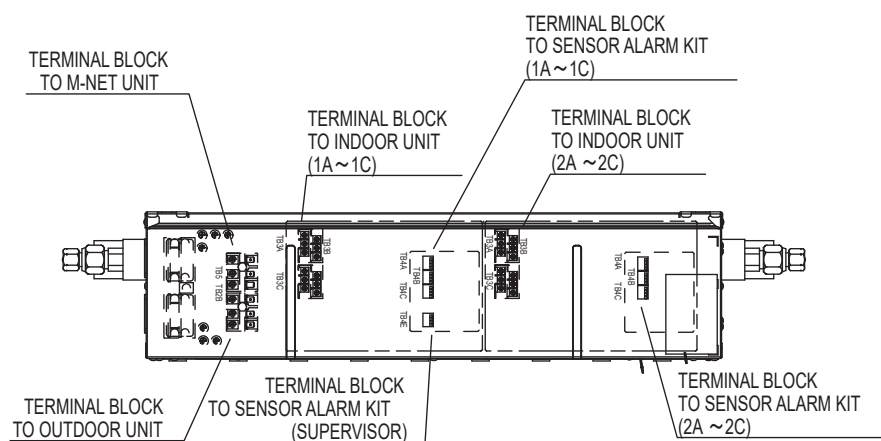
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Multi-split branch boxes

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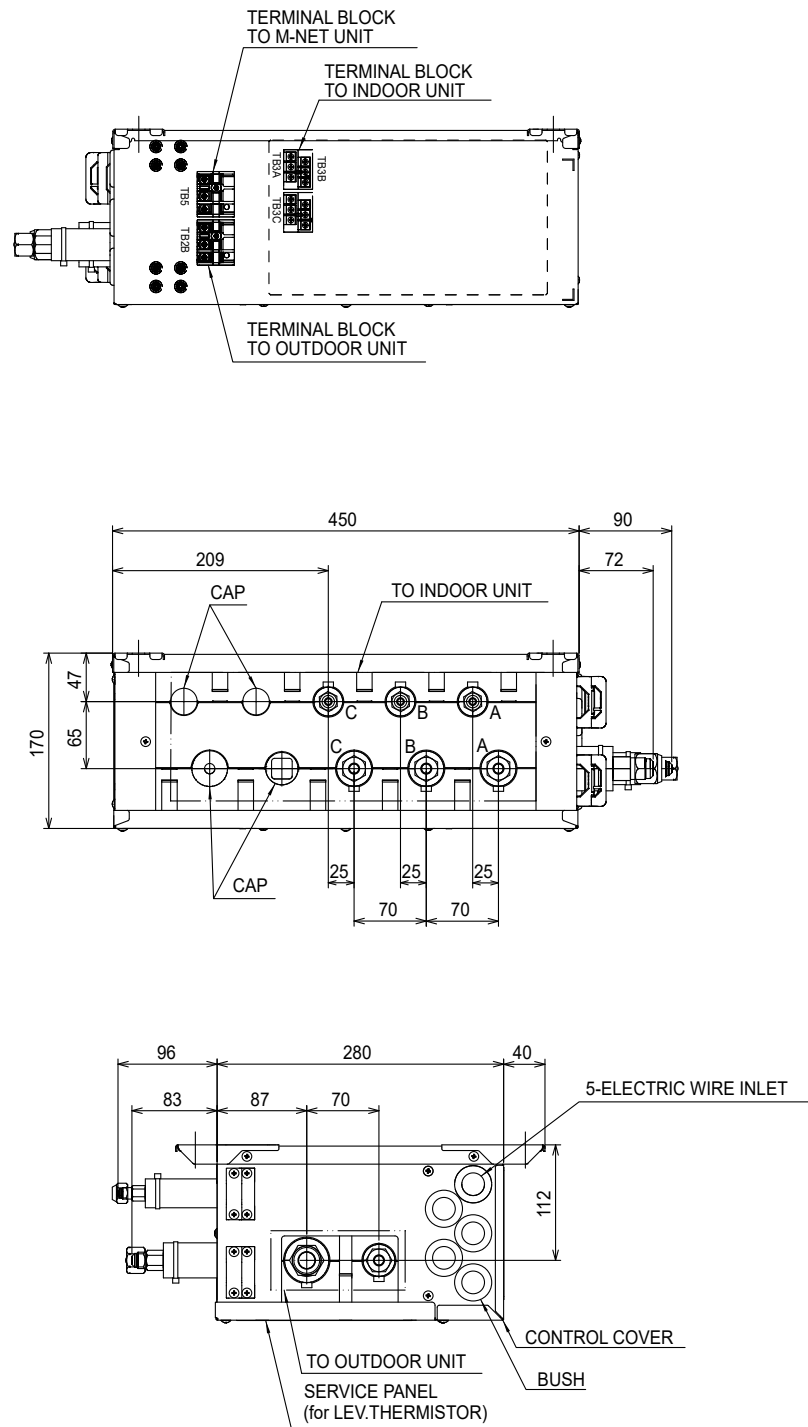
1.37 PAC-MMK60BC
Multi-split branch boxes

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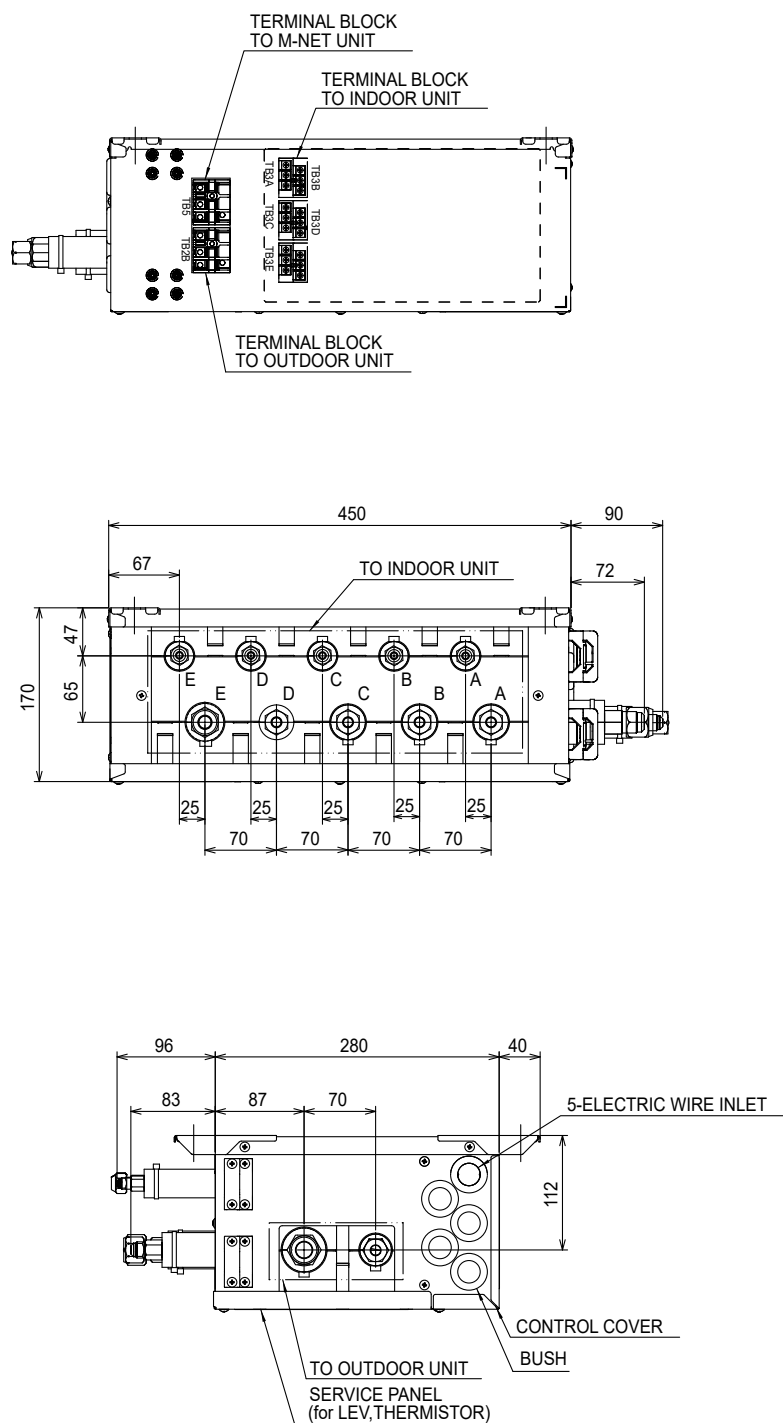
1.38 PAC-MK34BC
Multi-split branch boxes

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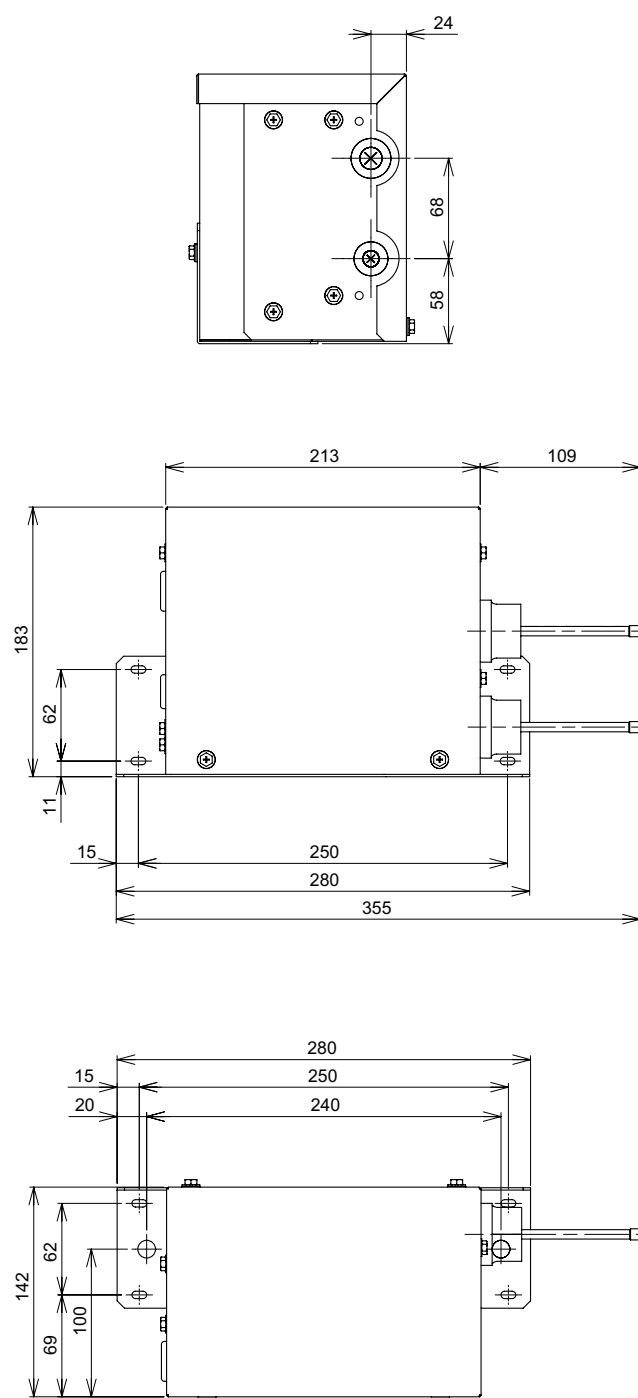
1.39 PAC-MK54BC
Multi-split branch boxes

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1.40 PAC-LV11M-J

Multi-split branch boxes

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2. Mr. Slim

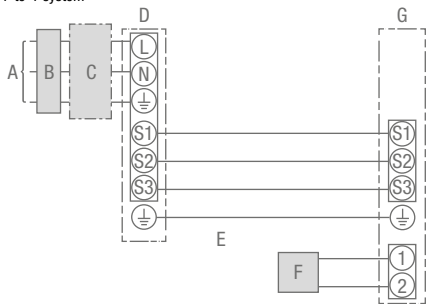
2.1 Electrical connection diagram for Mr. Slim inverter systems

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Electrical connection diagram for Mr. Slim inverter systems

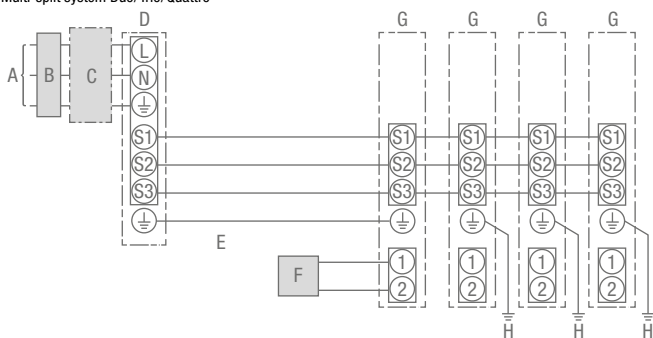
The voltage supply of the outdoor unit depends on the unit type

1-to-1 system



- A Voltage supply of outdoor unit
- B Fault-current circuit breaker
- C Fuse
- D Outdoor unit
- E Connection pipe between indoor and outdoor unit
- F Remote controller
- G Indoor unit (sizes 200 and 250 require separate voltage supply)

Multi-split system Duo/Trio/Quattro



- A Mains connection of outdoor system
- B Earth fault interrupter
- C Interrupter or disconnector
- D Outdoor system
- E Connection cable, indoor unit – outdoor system
- F Remote controller
- G Indoor unit
- H Earth line of indoor unit

Specifications for control lines between indoor and outdoor unit

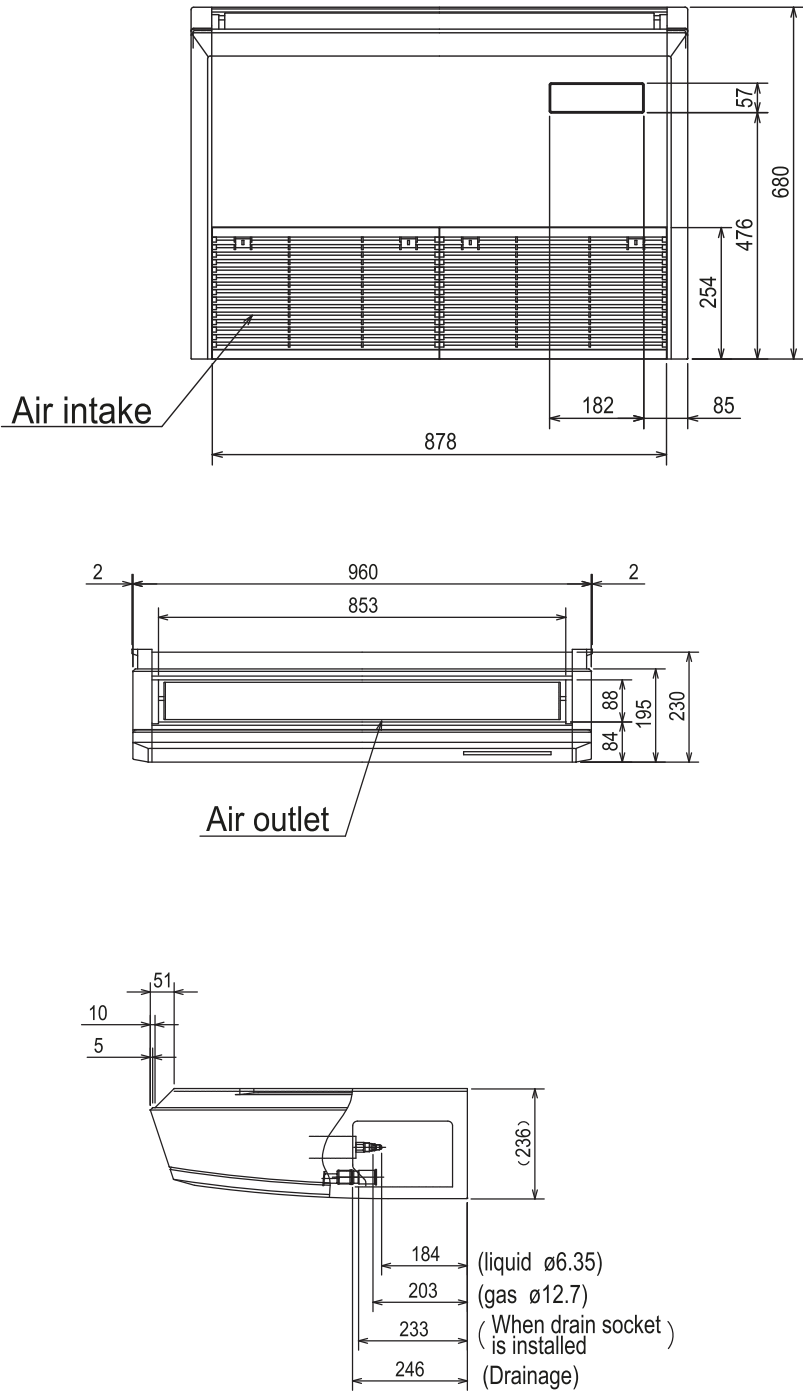
Number of wires and cross-section (mm²)	Indoor unit – outdoor unit ¹	4 x 1.5 mm²
	Remote controller connection ²	2 x 0.3 mm²
Rated voltage of current circuit	Indoor unit – outdoor unit ³	AC 230 V
	Indoor unit – outdoor unit ³	DC 24 V
	Remote controller connection ³	DC 12 V

- 1 For system sizes 35–140, max. 45 m.
If 2.5 mm² used, max. 50 m.
If 2.5 mm² used and S3 separated, max. 80 m.
For system sizes 200–250, max. 18 m.
If 2.5 mm² used, max. 30 m.
If 4 mm² used and S3 separated, max. 50 m.
If 6 mm² used and S3 separated, max. 80 m.
- 2 Remote controller accessory is equipped with a 10 m electrical line.
Max. possible line length 500 m.
- 3 Data NOT always in relation to earth line.
Terminal S3 has 24 V DC in relation to terminal S2. Between terminals S3 and S1, there is no electrical insulation via the transformer or any other electrical unit.

- Notes:
- 1. The size of the electrical line must comply with the respective local and national statutory regulations.
 - 2. At least one polychloroprene-coated flexible cable (corresponding to 60245 IEC 57) must be used for the power supply and for connecting the indoor unit and outdoor system.
 - 3. Install an earth line that is longer than the other cables.

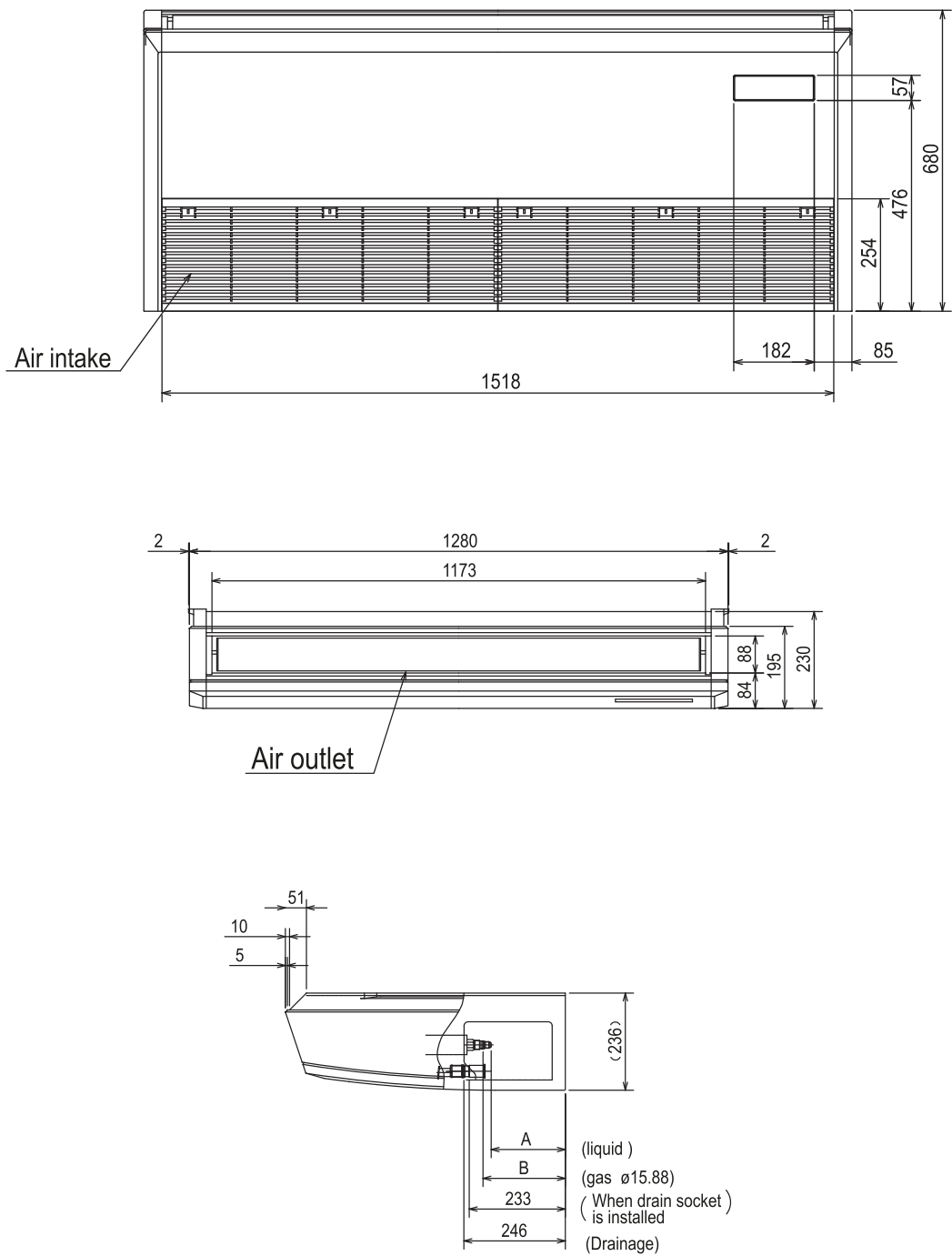
2.4 PCA-M35/50KA2
PCA-M ceiling suspended units

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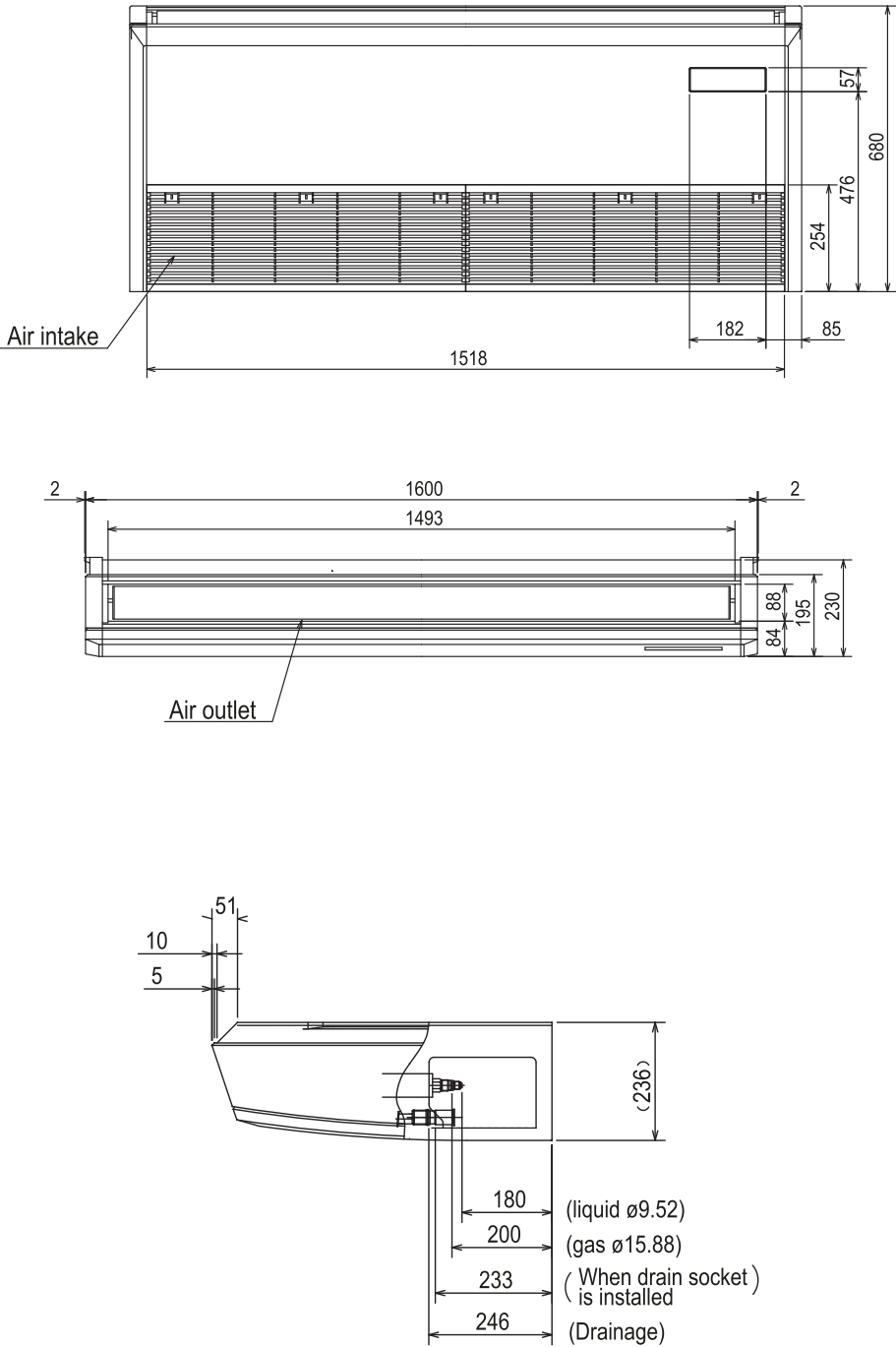
2.5 PCA-M60/71KA2
PCA-M ceiling suspended units

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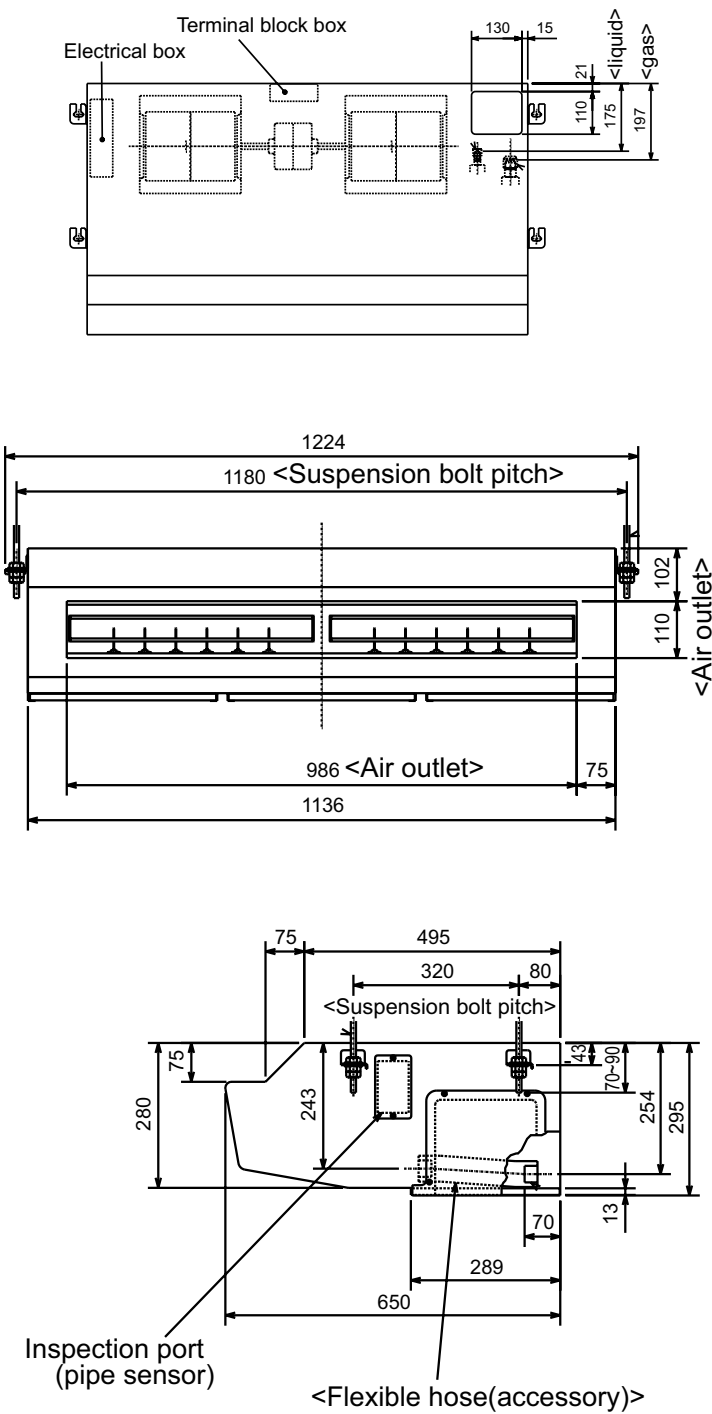
2.6 PCA-M100-140KA2
PCA-M ceiling suspended units

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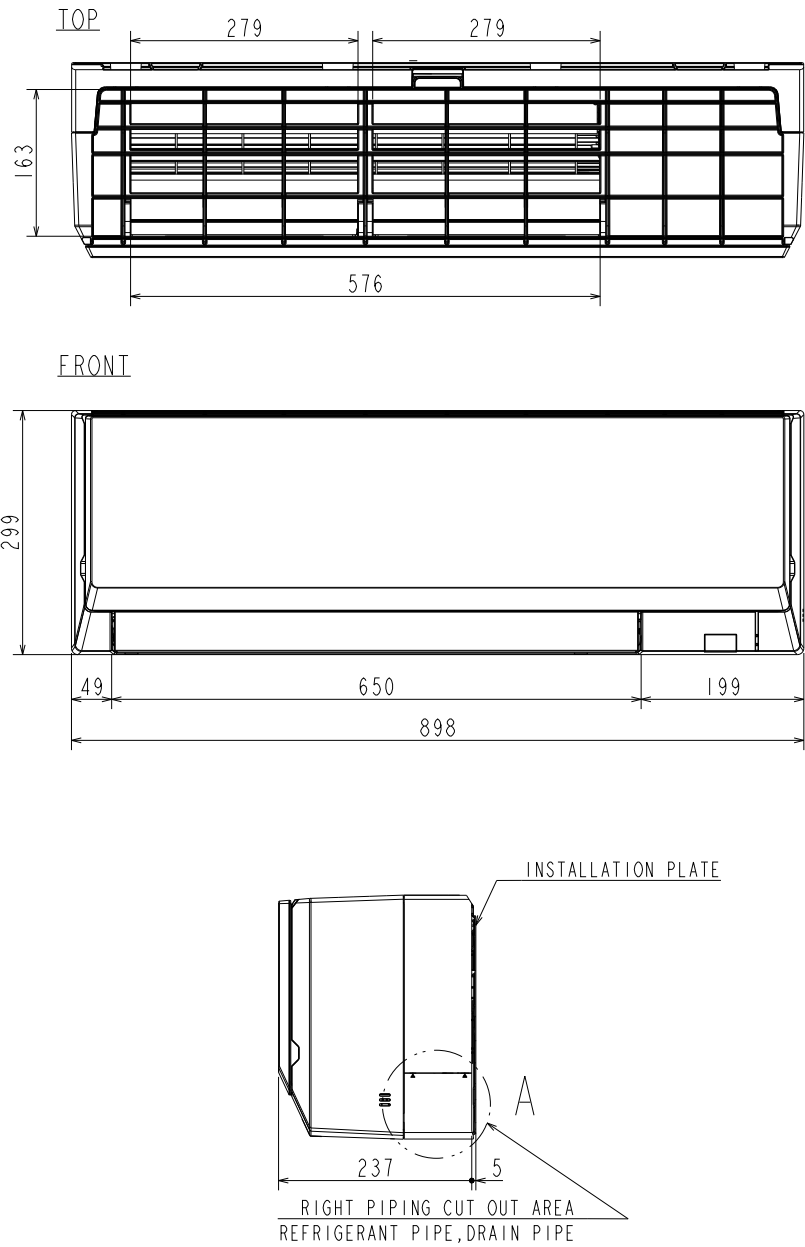
2.7 PCA-M71HA2
PCA-M stainless steel ceiling suspended units

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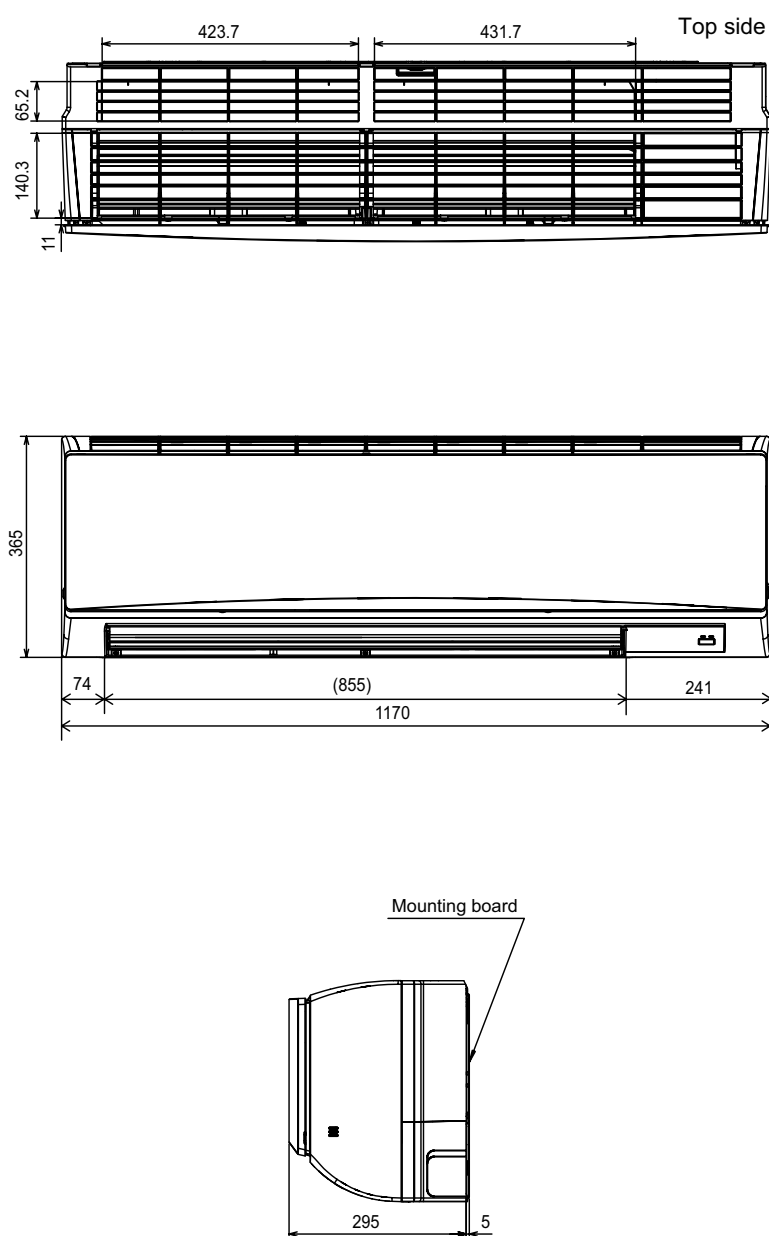
2.8 PKA-M35/50LAL2
PKA-M wall mounted units

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2.9 PKA-M60-100KAL2
PKA-M wall mounted units

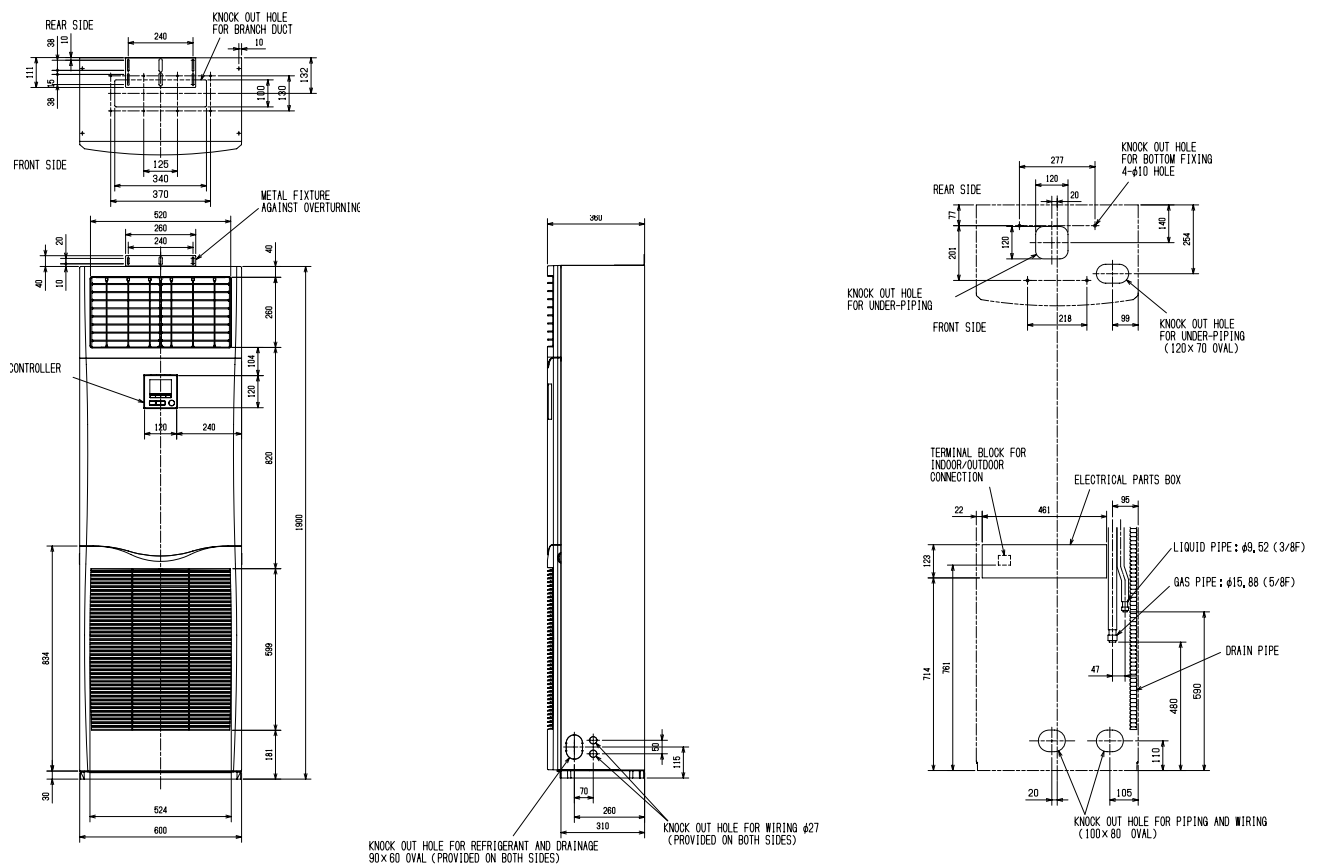
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2.10 PSA-M71-140KA

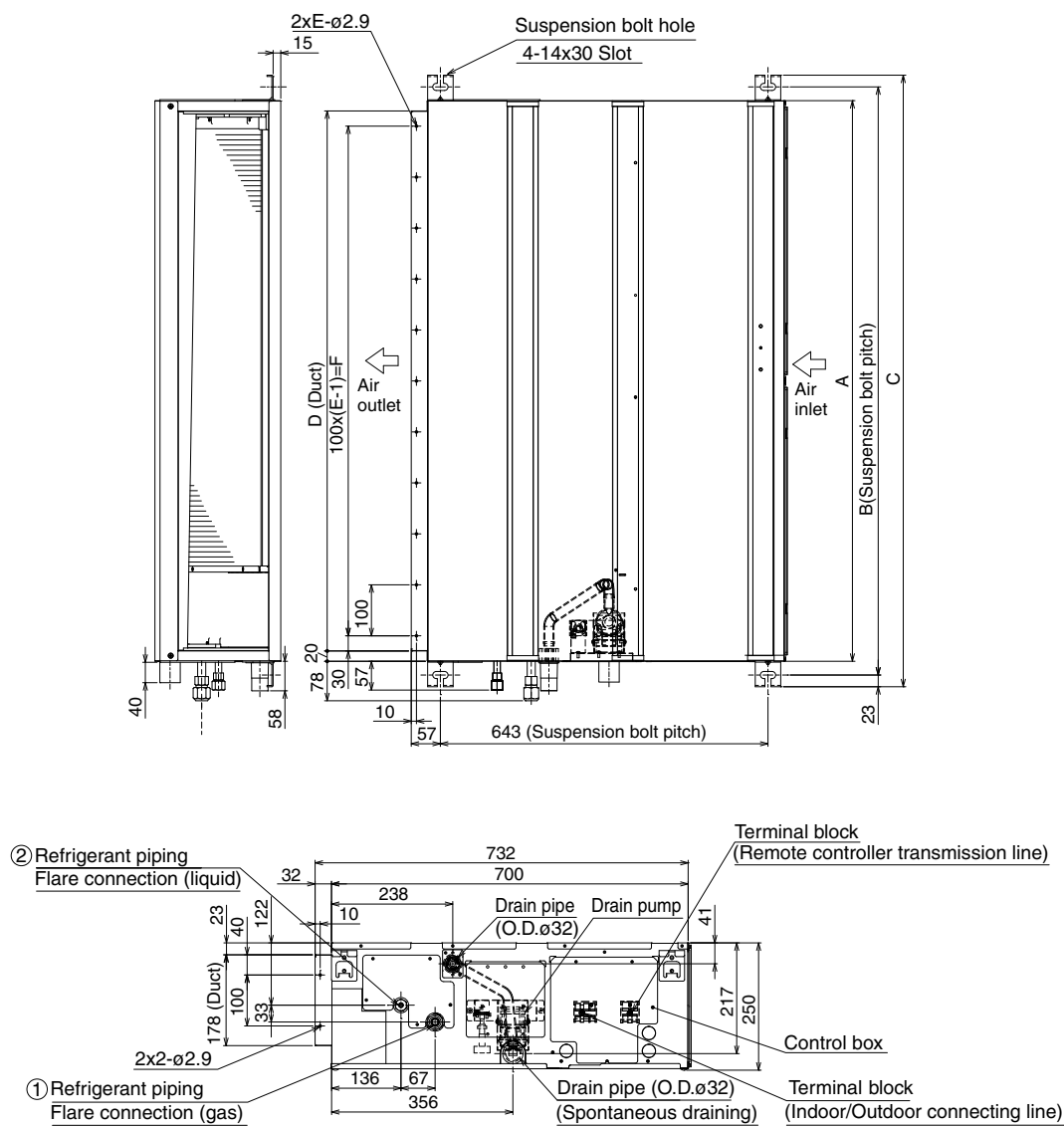
PSA-M floor mounted units

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2.12 PEAD-M35-140JA2

PEAD-M ceiling concealed ducted units

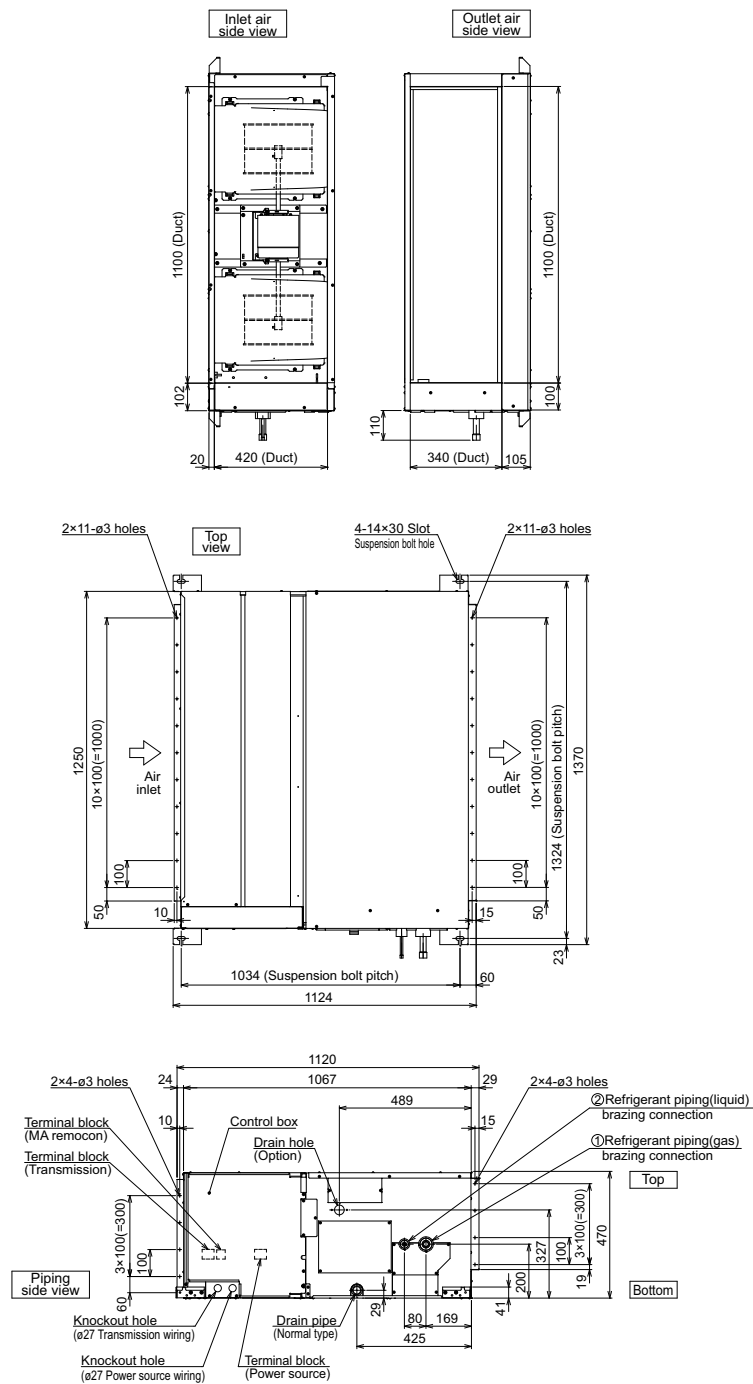
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															*Setting at shipment	
Model	A	B	C	D	E	F	G	H	J	K	L	M	N	① Gas pipe	② Liquid pipe	
PEAD-M35, 50JA	900	954	1000	860	9	800	858	1000	54	260	4	780	10	ø12.7	ø6.35	
PEAD-M60JA	1100	1154	1200	1060	11	1000	1058	1200	49	330	4	990	10	ø15.88	Outdoor unit (SUZ): ø6.35	
PEAD-M71JA															Outdoor unit (other): ø9.52*	
PEAD-M100, 125JA																
PEAD-M140JA	1600	1654	1700	1560	16	1500	1558	1700	54	320	5	1480	12		ø9.52	

2.13 PEA-M200 / 250LA2

PEA-M ceiling concealed ducted units

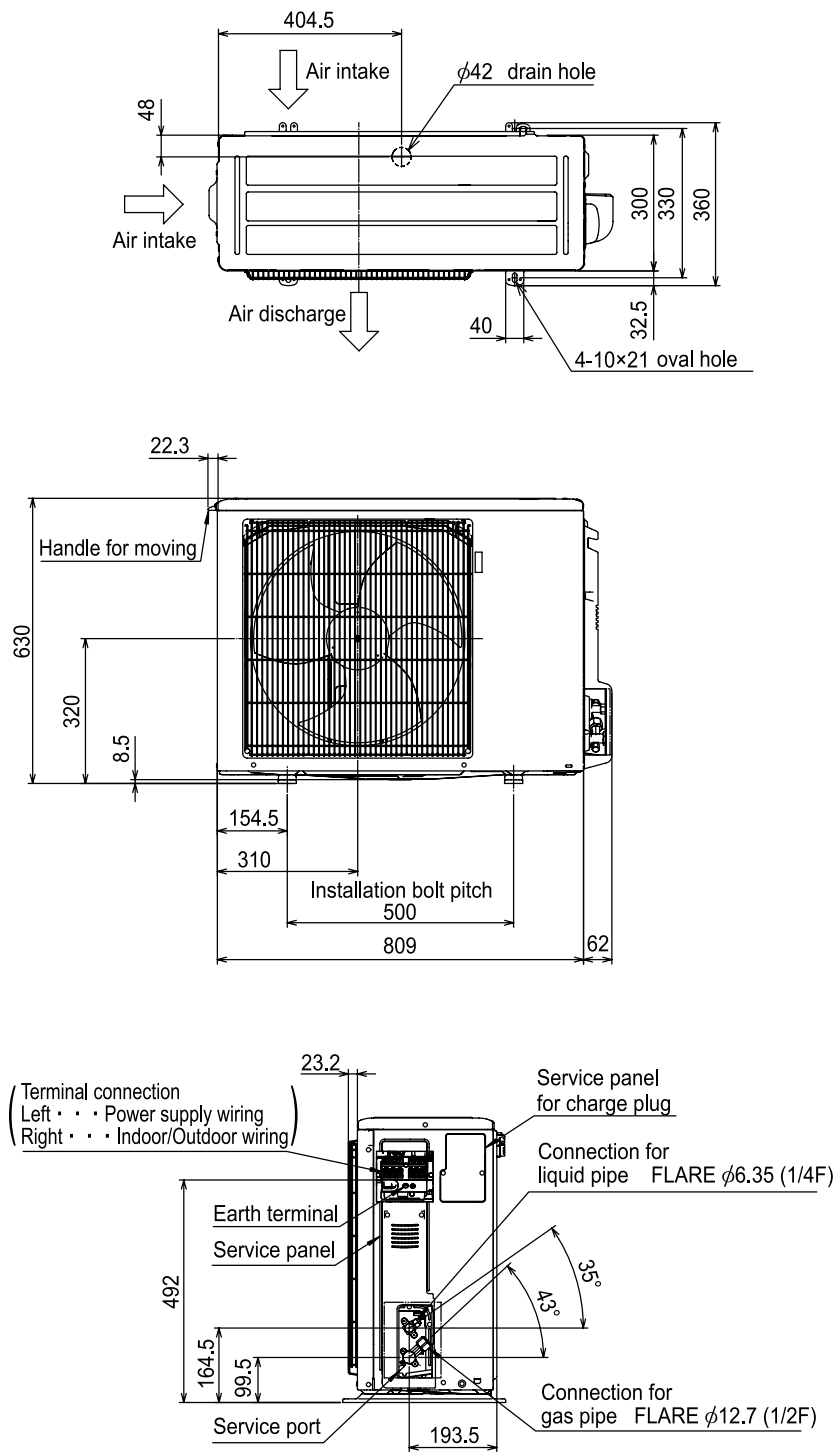
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Model	① Gas pipe	② Liquid pipe	③ Drain hose
PEA-M200LA	ø25.4	ø9.52	Drain hose 32mm
PEA-M250LA		ø12.7	<flexible joint> <accessory>

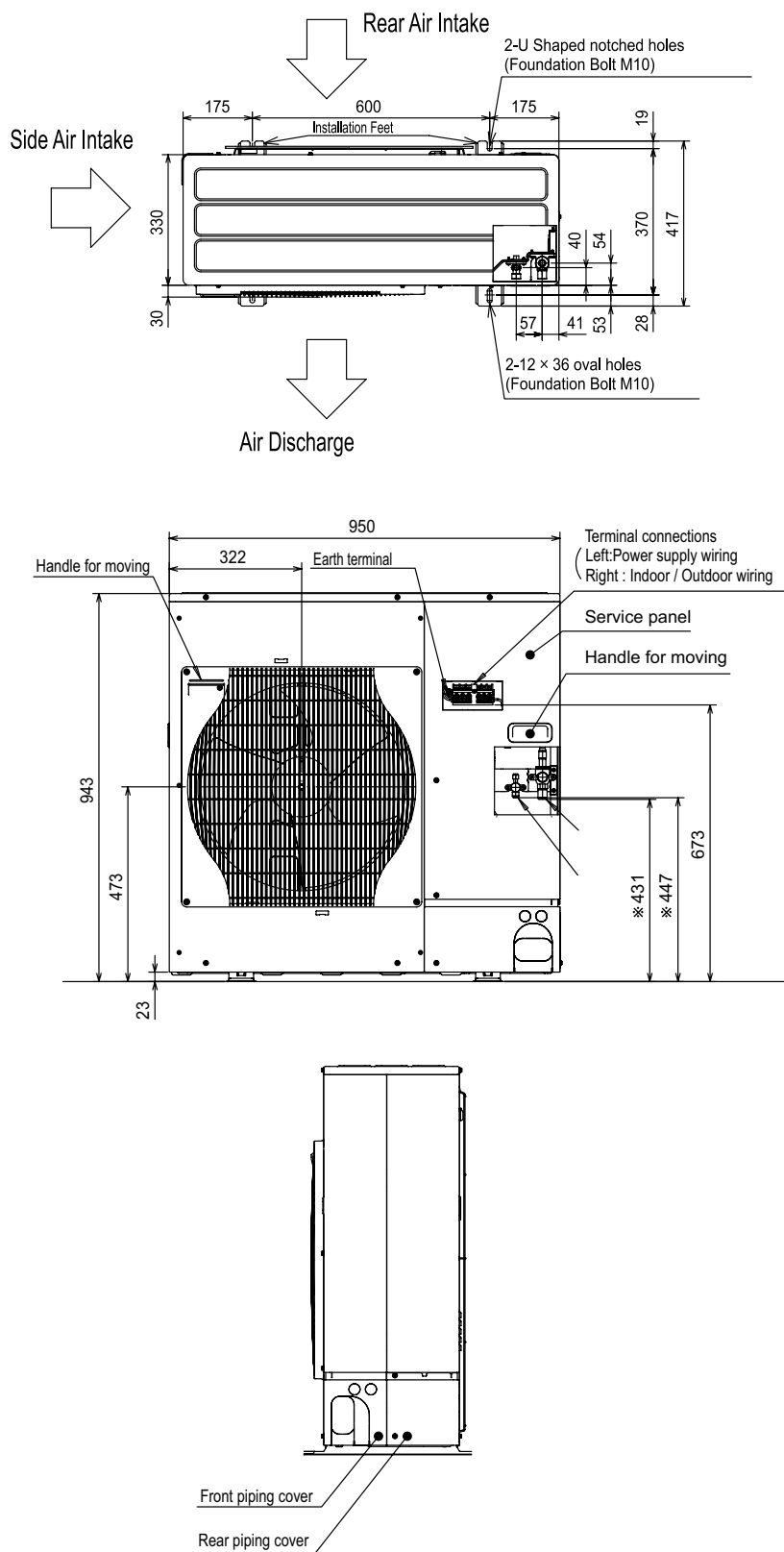
2.14 PUZ-ZM35/50VKA2
Power Inverter outdoor units

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2.15 PUZ-ZM60/71VHA2
Power Inverter outdoor units

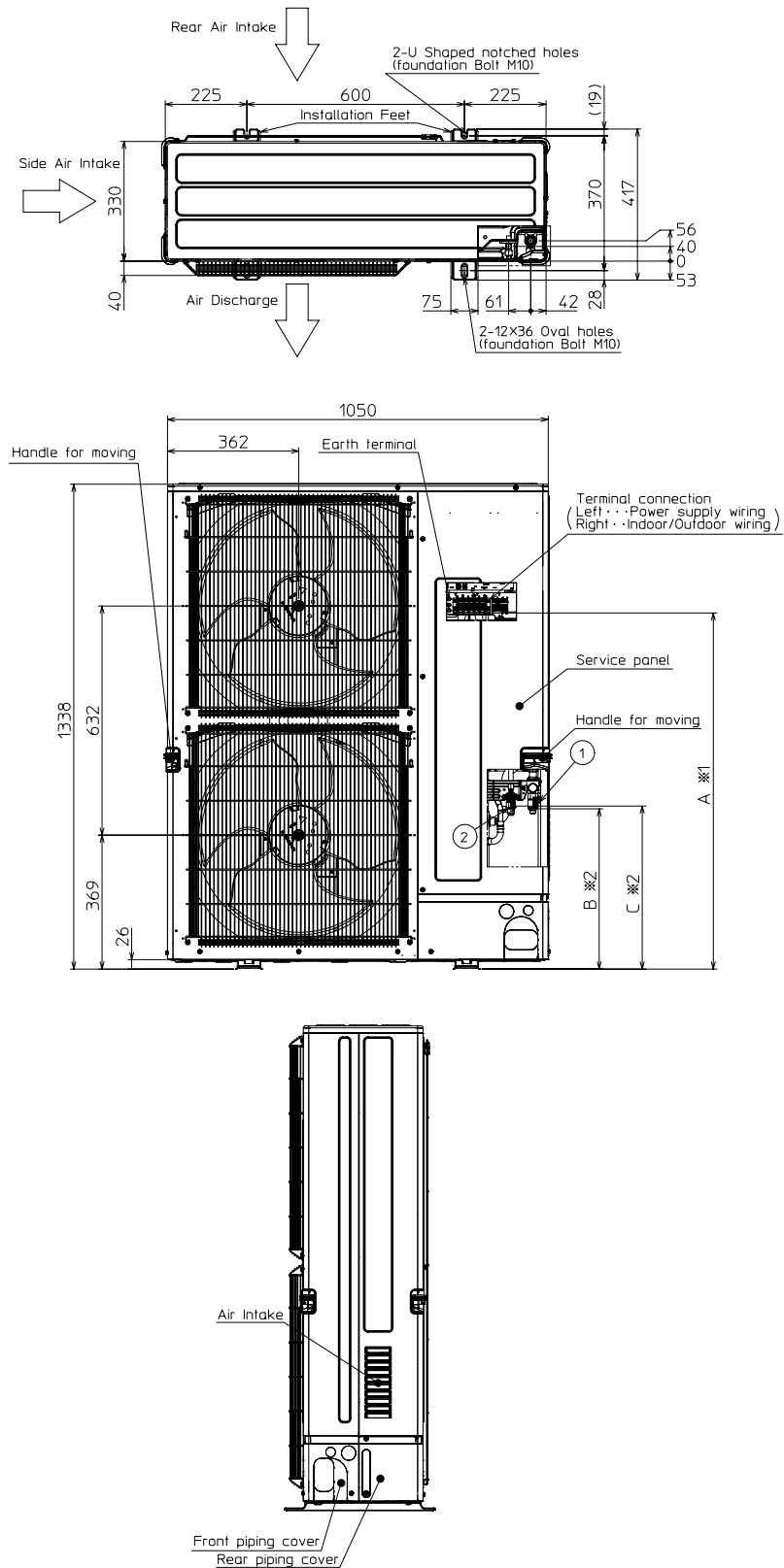
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2.16 PUZ-ZM100-140VKA/YKA2

Power Inverter outdoor units

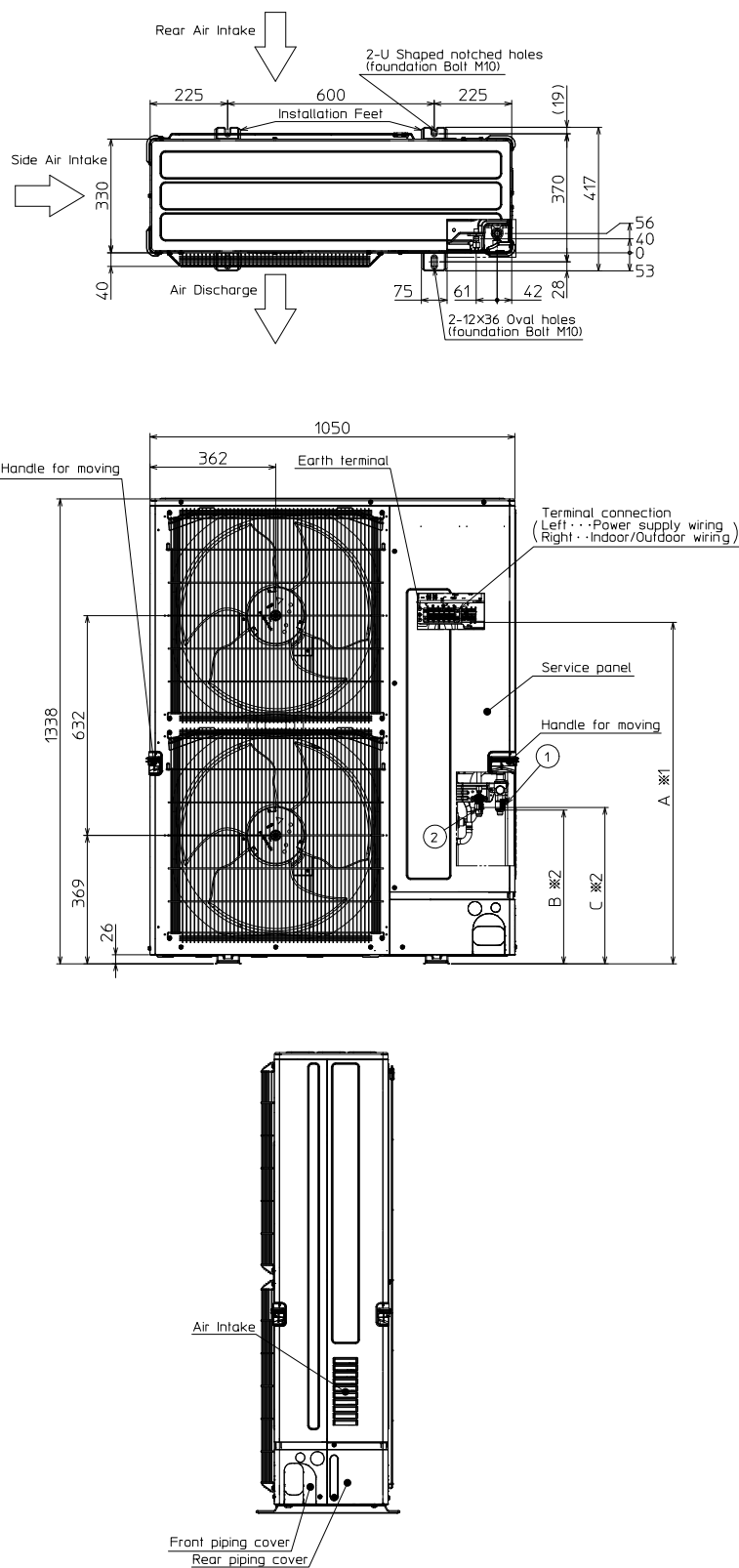
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2.17 PUZ-ZM100-140VKA/YKA2

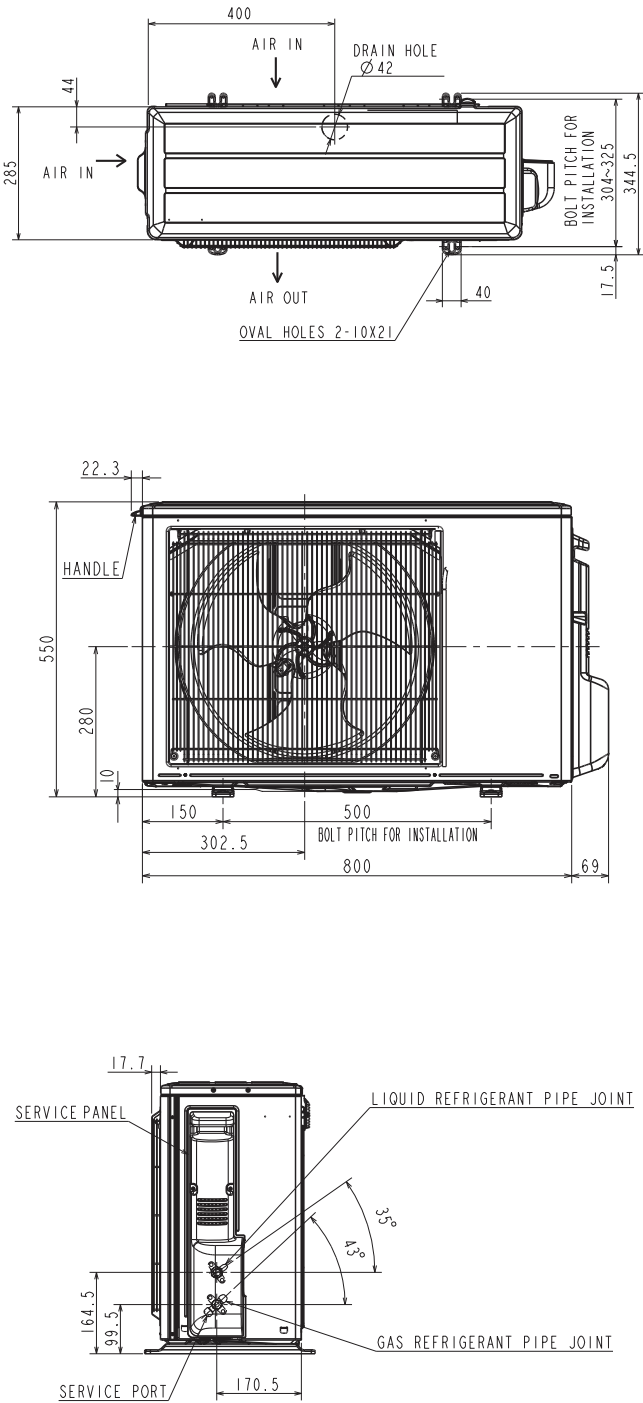
Power Inverter outdoor units

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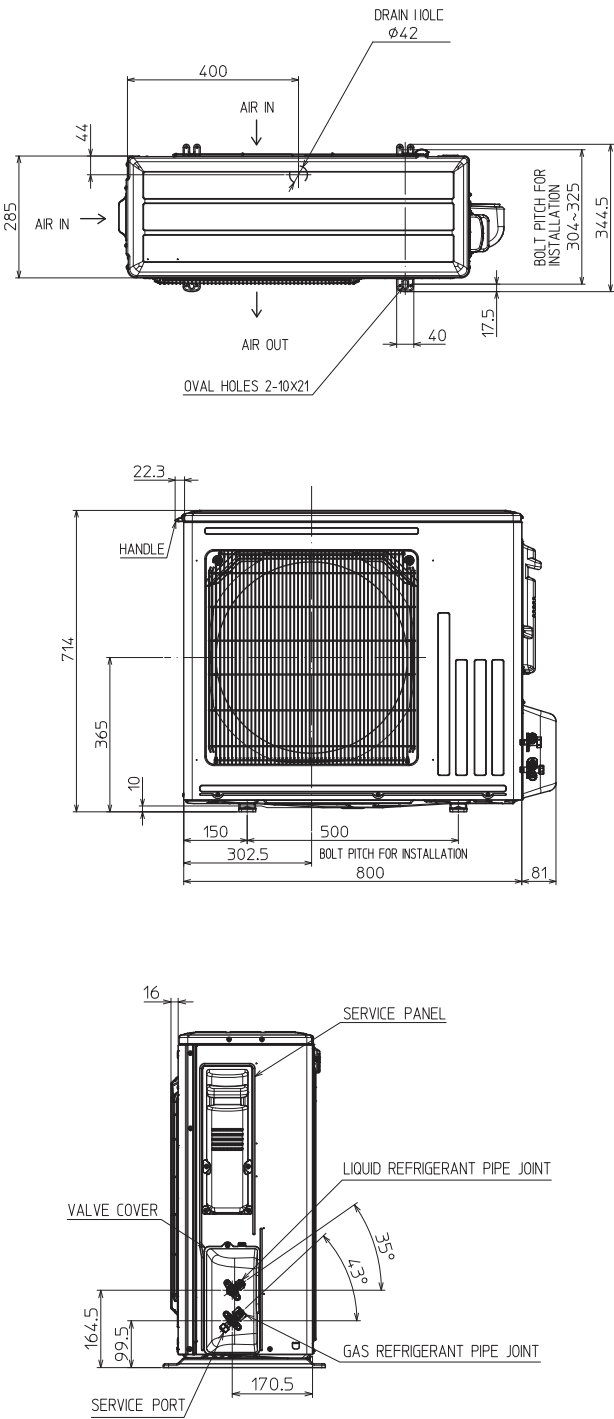
2.18 SUZ-M35VA
Standard Inverter outdoor units

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2.19 SUZ-M50VA
Standard Inverter outdoor units

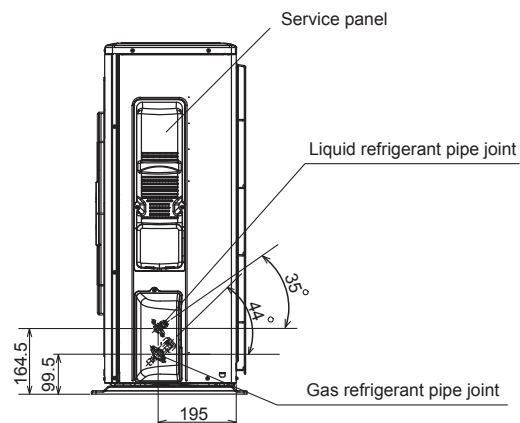
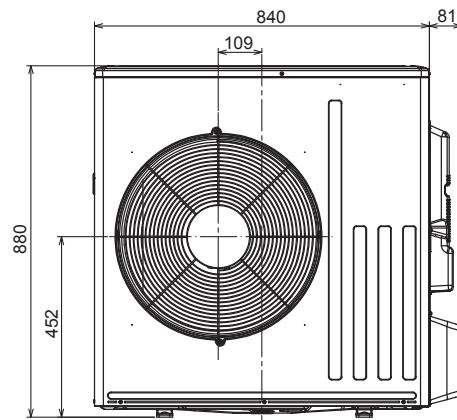
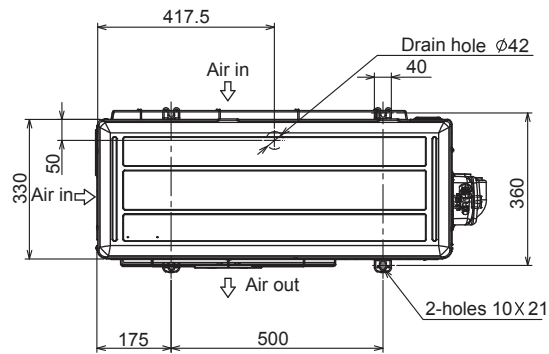
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2.20 SUZ-M60/71VA

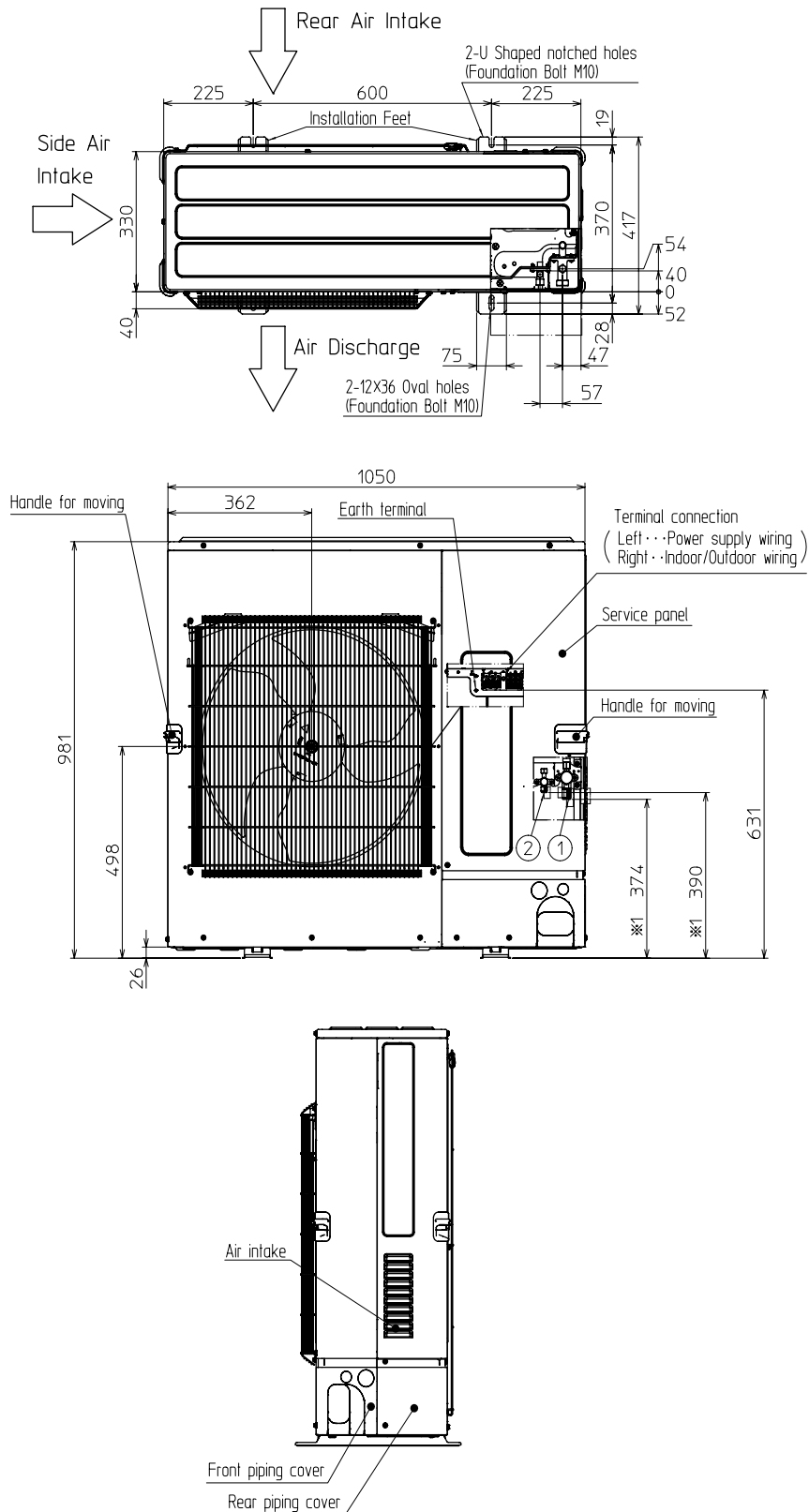
Standard Inverter outdoor units

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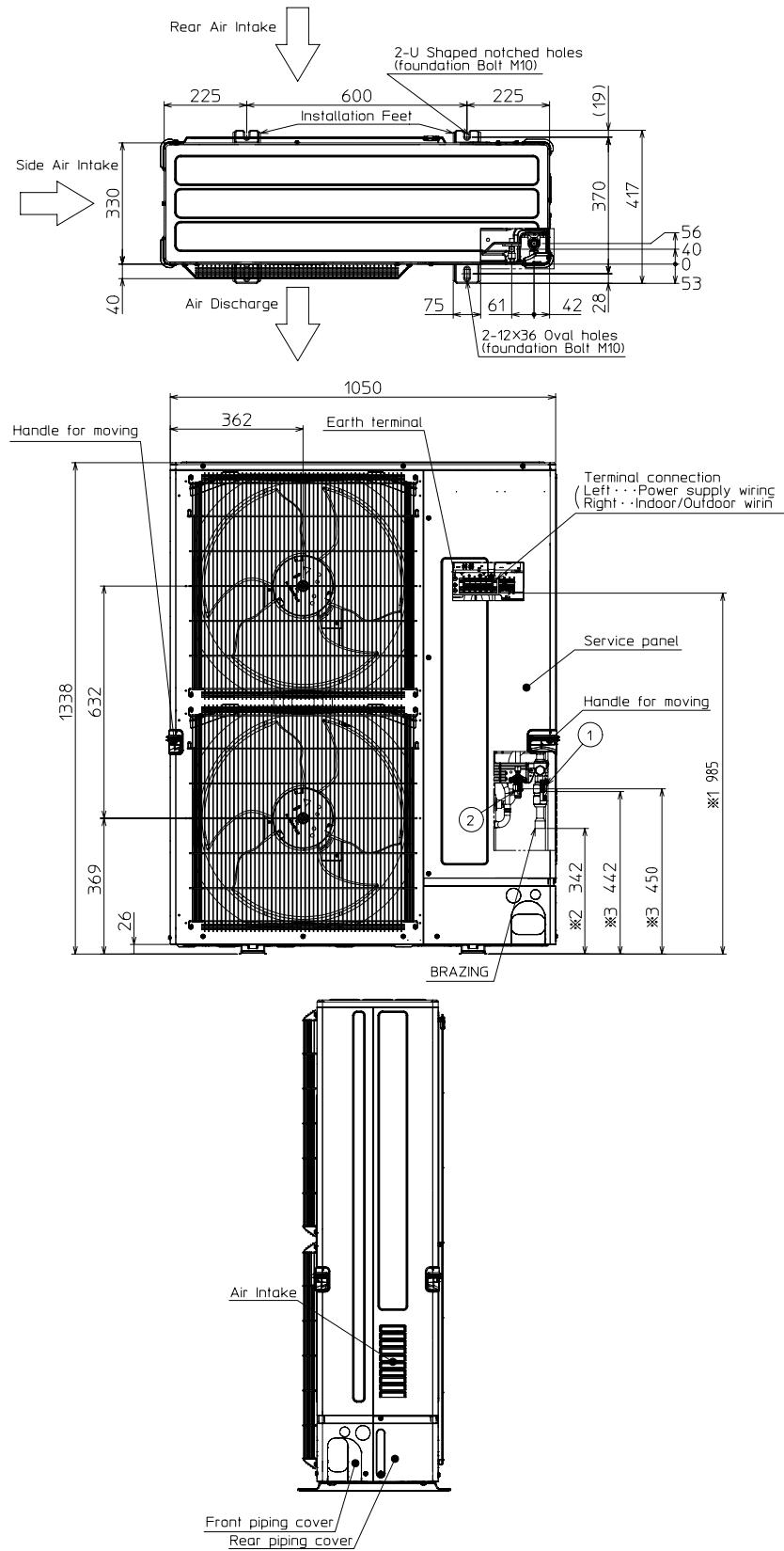
2.21 PUZ-M100-140VKA/YKA2
Standard Inverter outdoor units

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2.22 PUZ-M200/250YKA2
Power Inverter outdoor units

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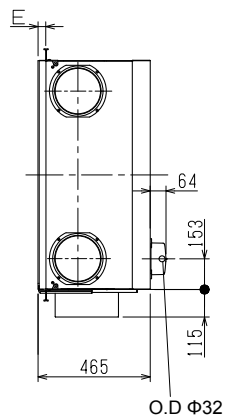
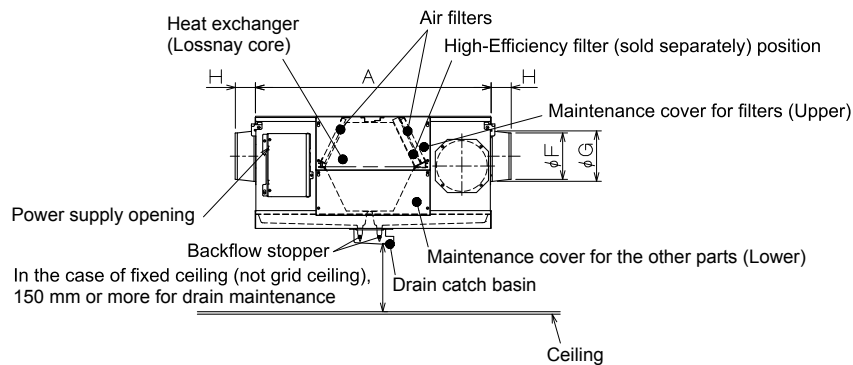
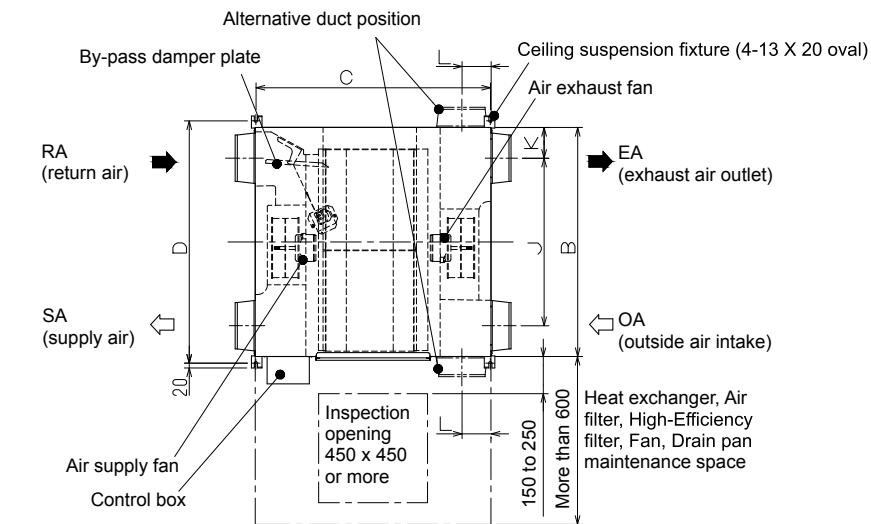


4. Lossnay

3.2 LGH-15RVX-E

Ceiling concealed ducted units

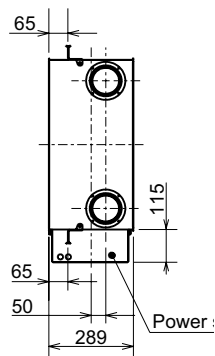
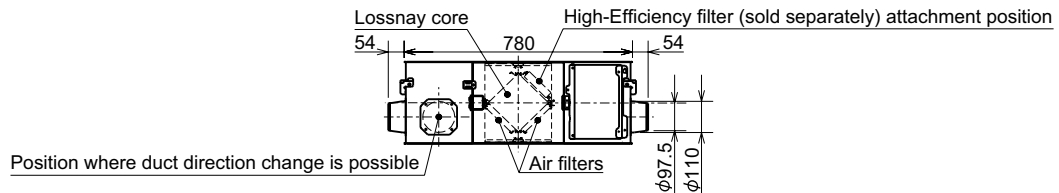
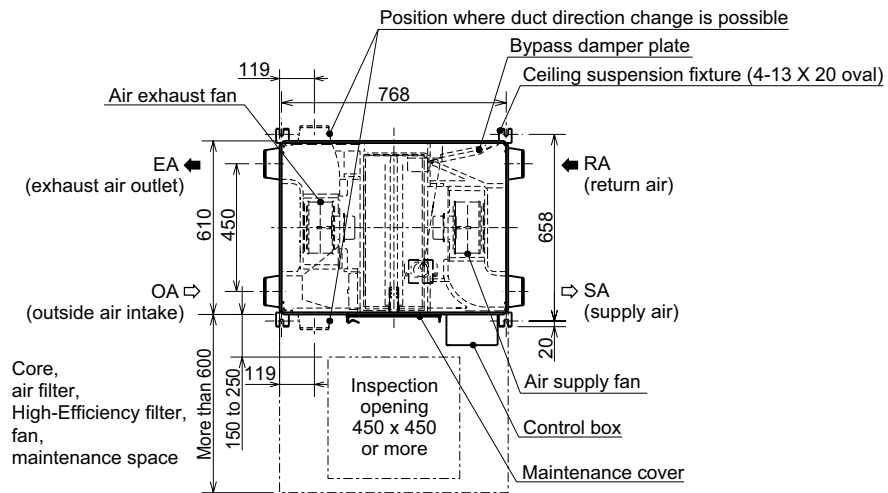
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3.4 LGH-15RVX3-E

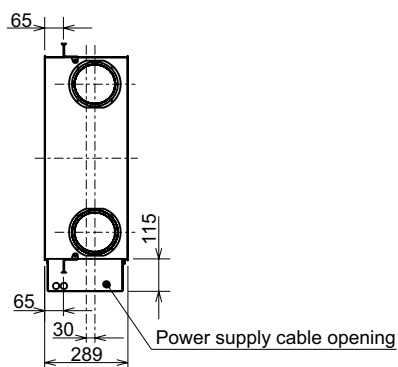
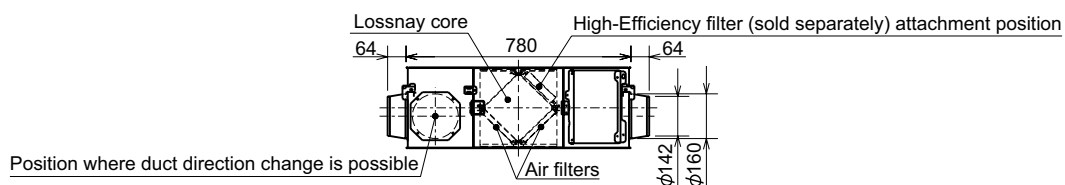
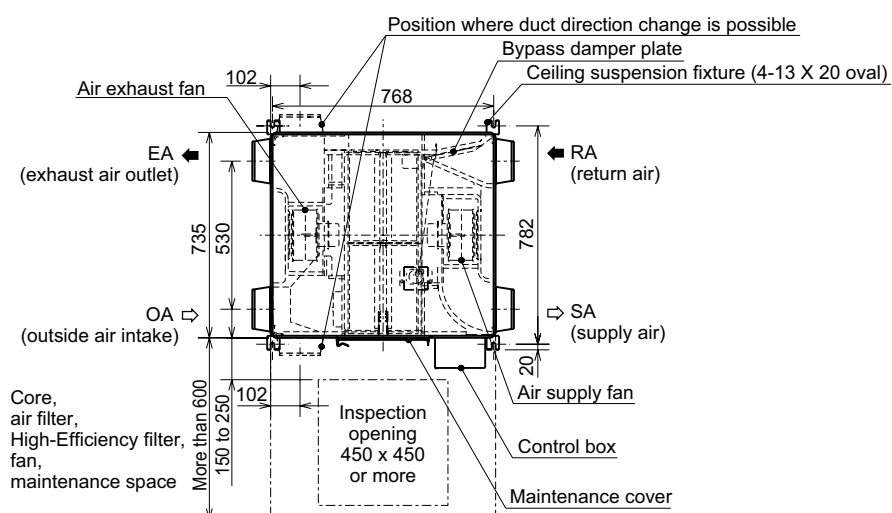
Ceiling concealed ducted units

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3.5 LGH-25RVX3-E Ceiling concealed ducted units

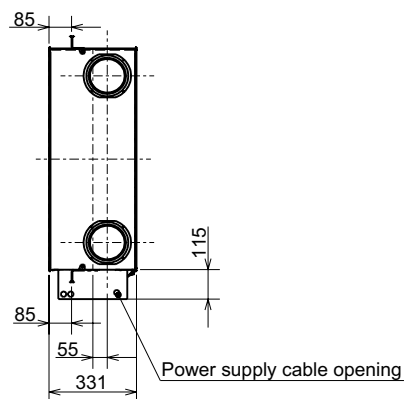
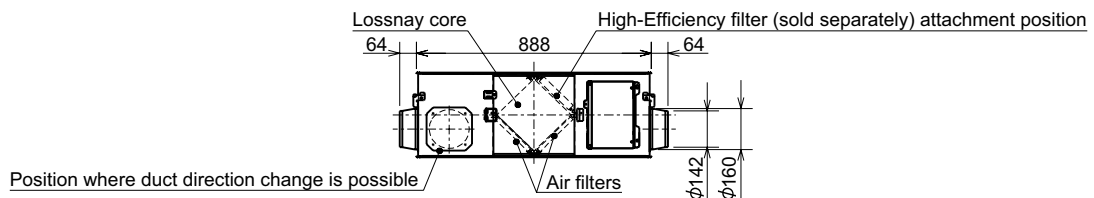
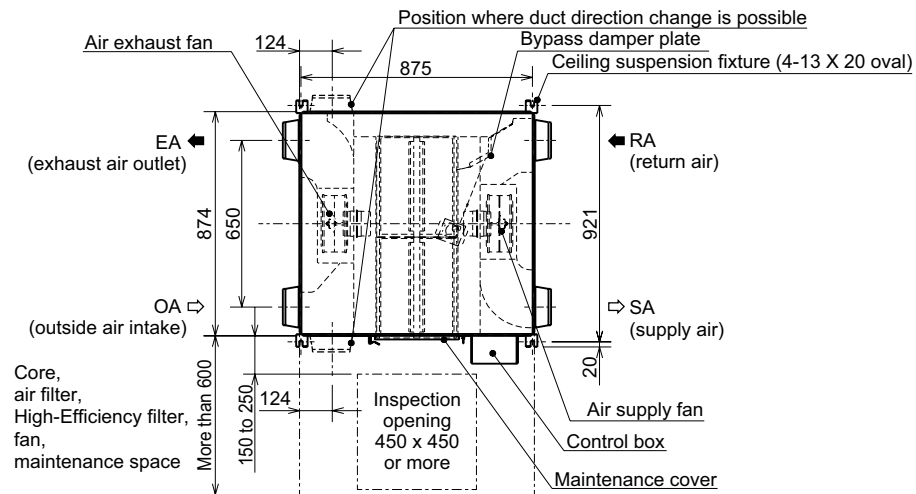
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3.6 LGH35-RVX3-E

Ceiling concealed ducted units

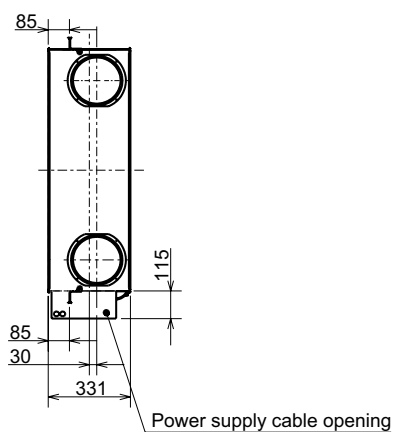
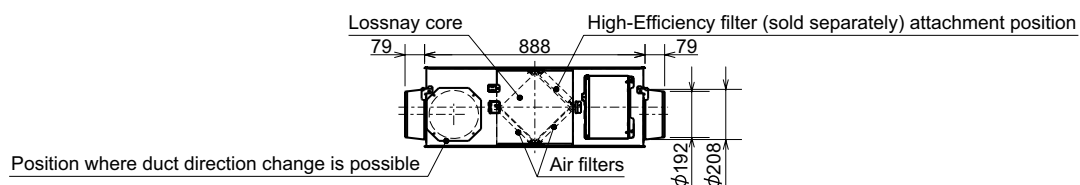
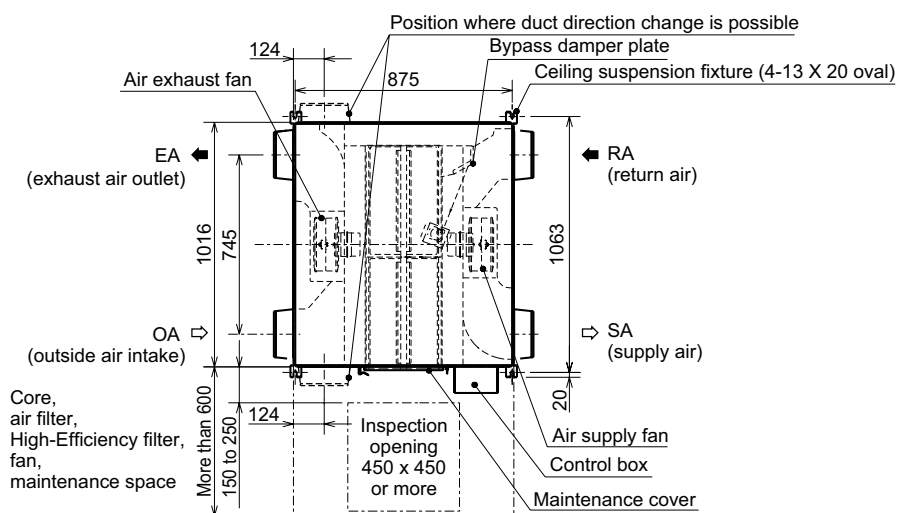
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3.7 LGH50-RVX3-E

Ceiling concealed ducted units

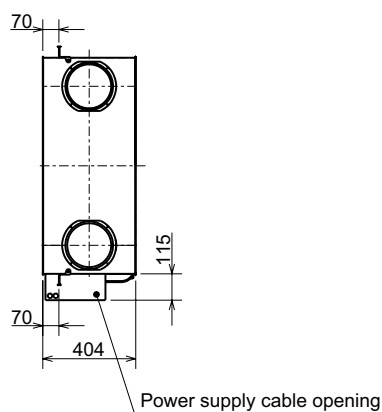
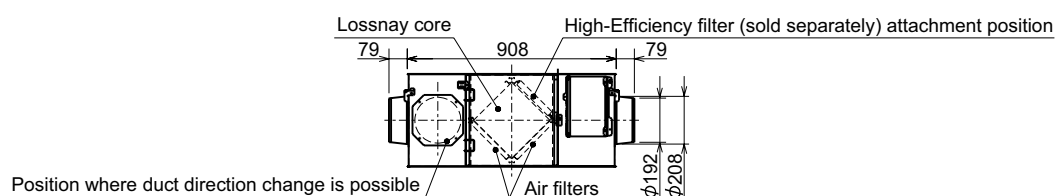
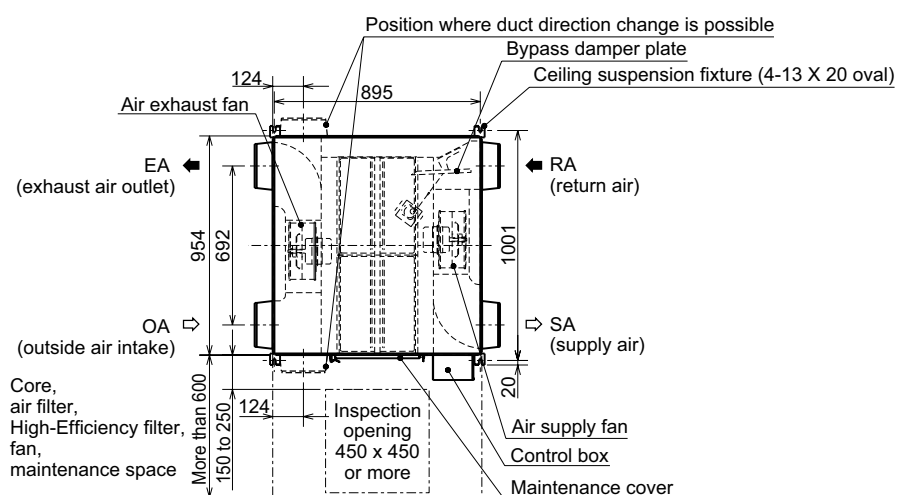
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3.8 LGH65-RVX3-E

Ceiling concealed ducted units

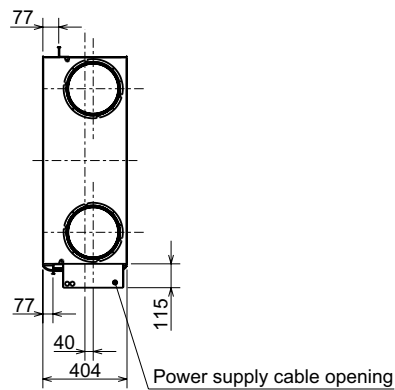
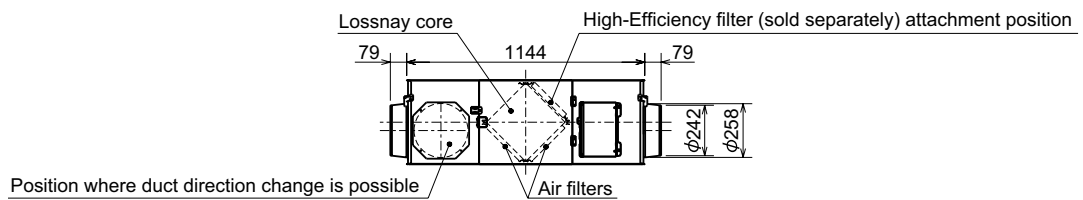
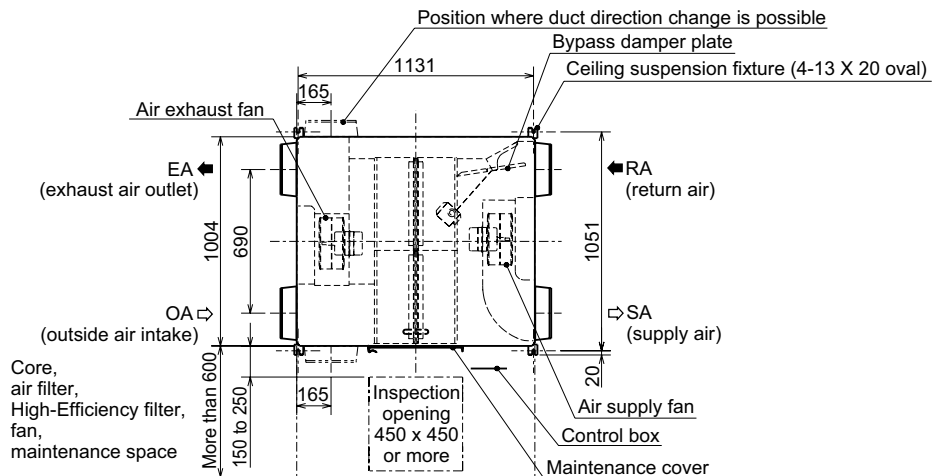
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3.9 LGH80-RVX3-E

Ceiling concealed ducted units

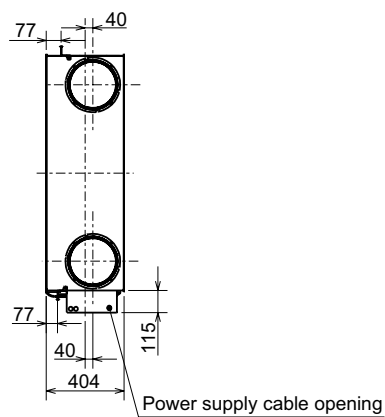
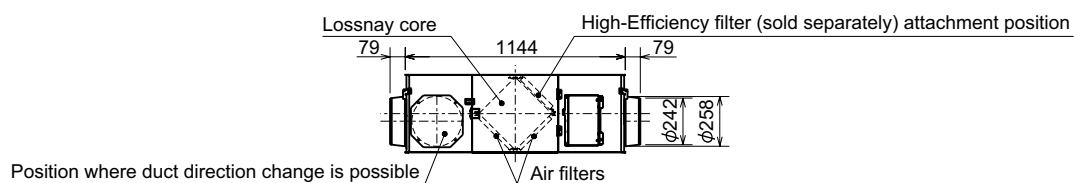
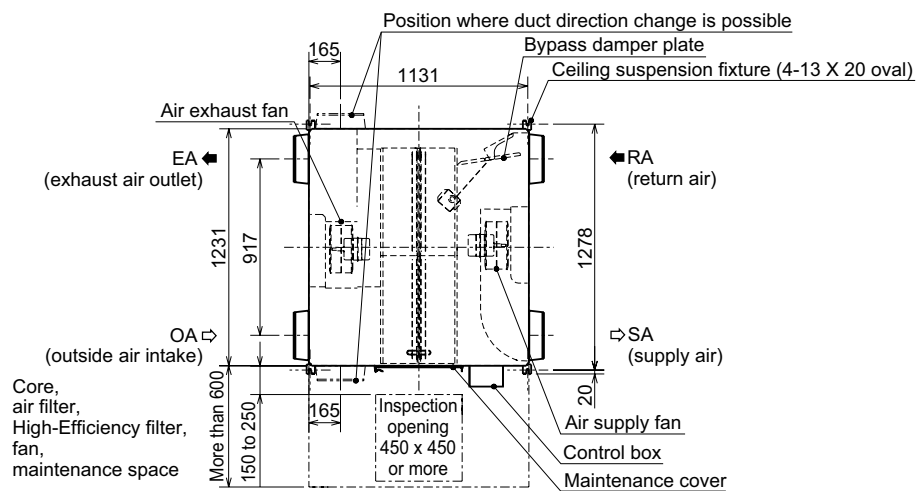
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3.10 LGH100-RVX3-E

Ceiling concealed ducted units

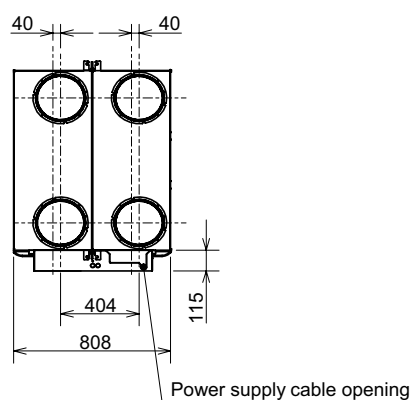
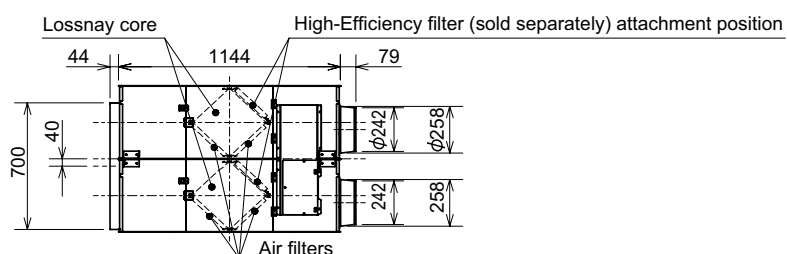
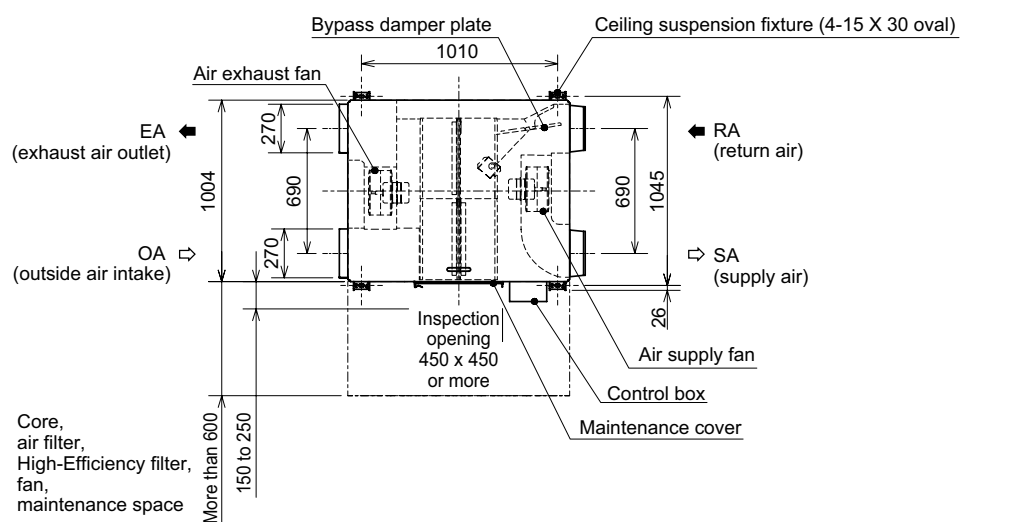
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3.11 LGH150-RVX3-E

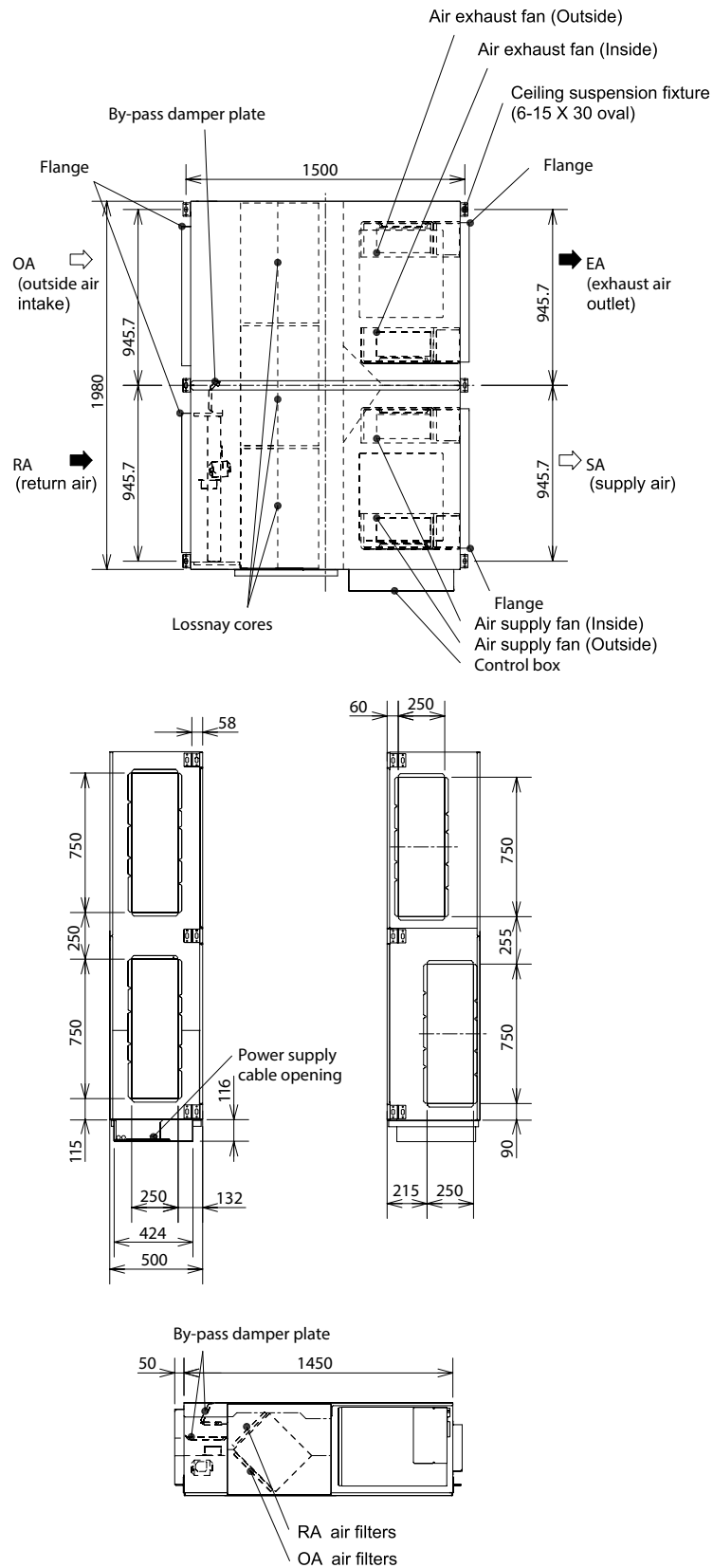
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3.12 LGH-150-250-RVXT-E Ceiling concealed ducted units

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Our air conditioning systems and heat pumps contain fluorinated greenhouse gases R410A, R134a and R32.
For more information, please refer to the relevant operation manuals.

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