

# Dimensions

## Aquarea

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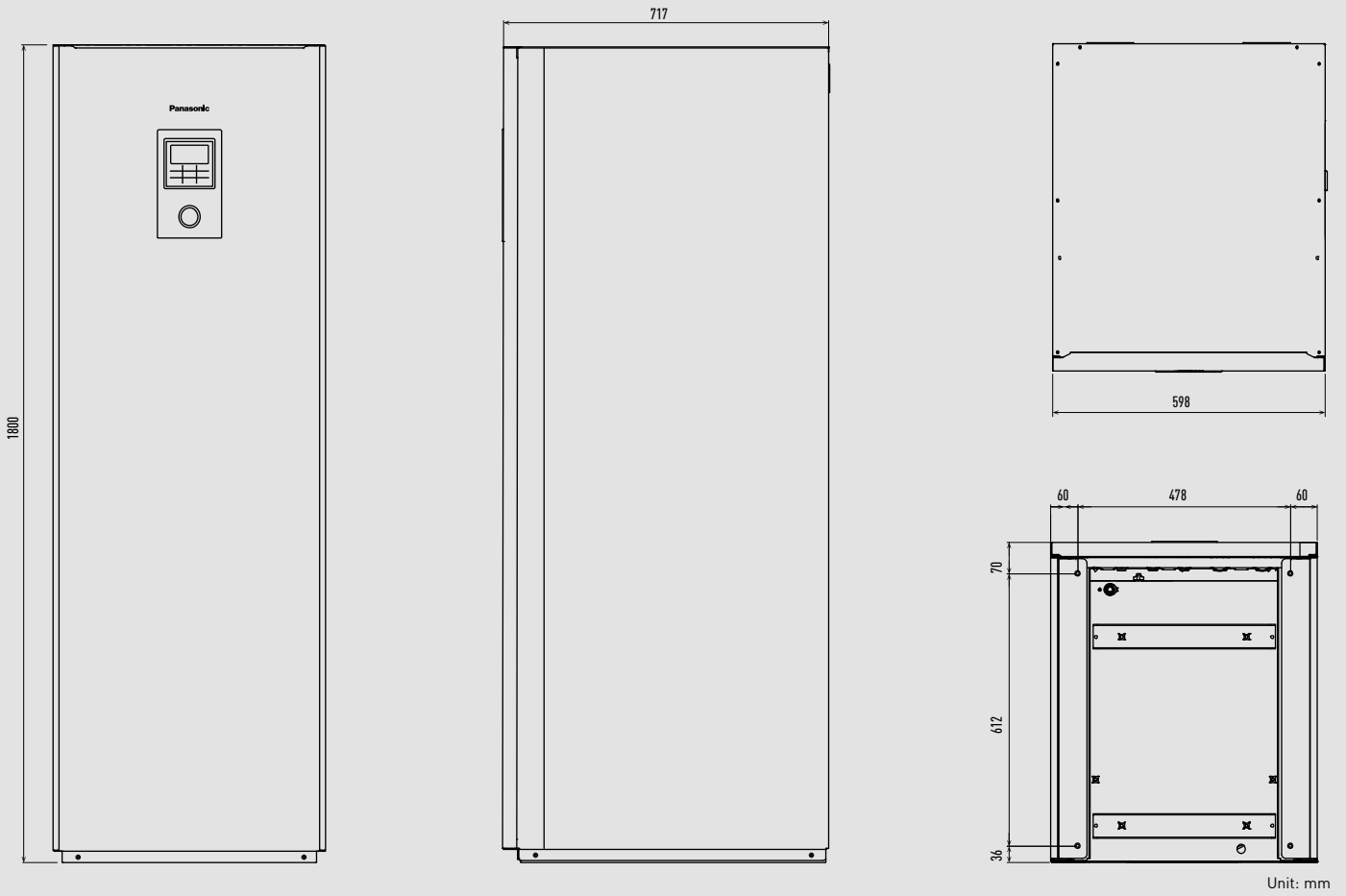
## Connectivity

VRF Smart Connectivity+	→ 642
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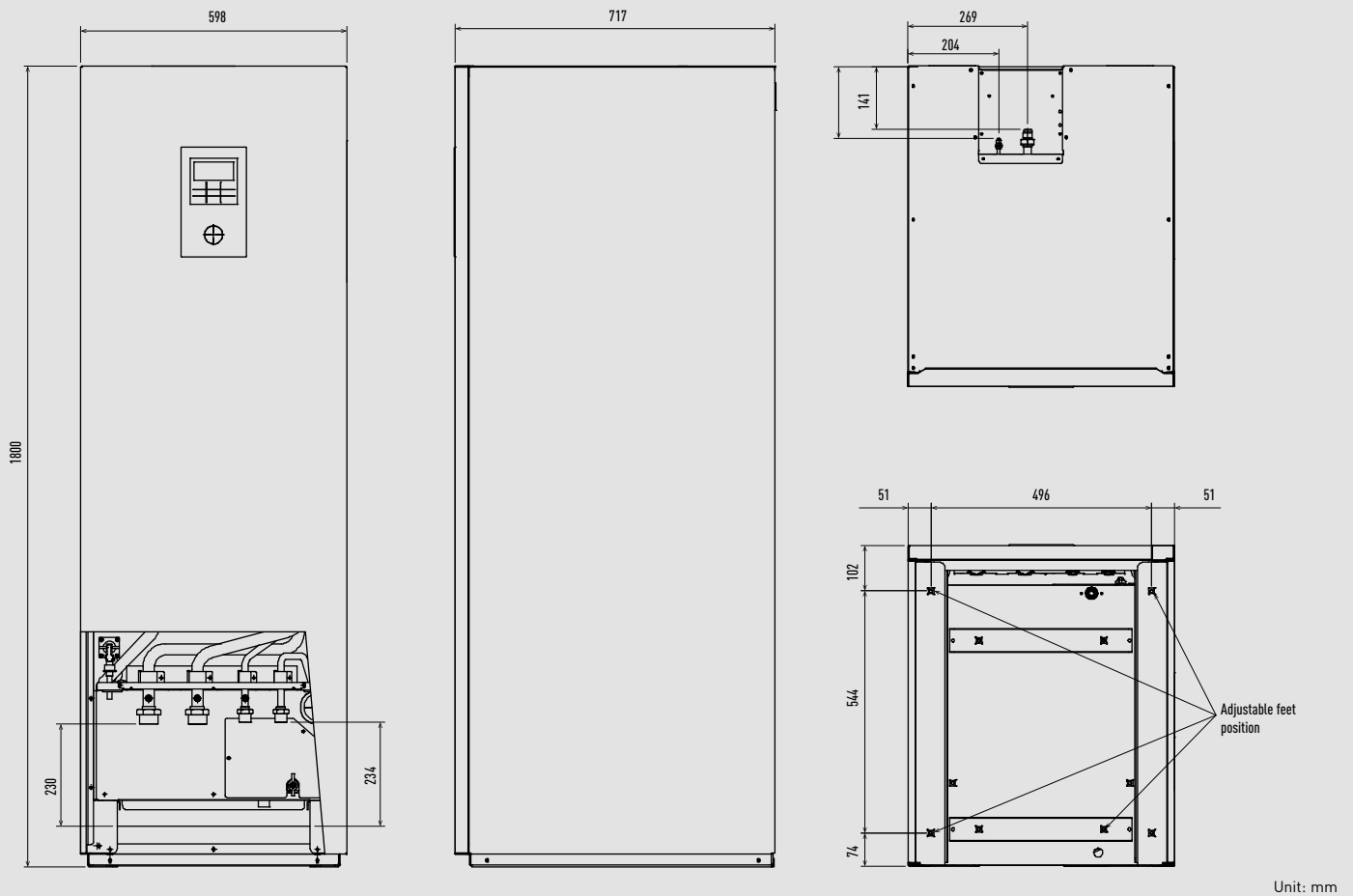
## Refrigeration

CR Series 4,0 kW	→ 646
CR Series 7,5 and 8,0 kW	→ 646
CR Series 15,0 and 16,0 kW	→ 647

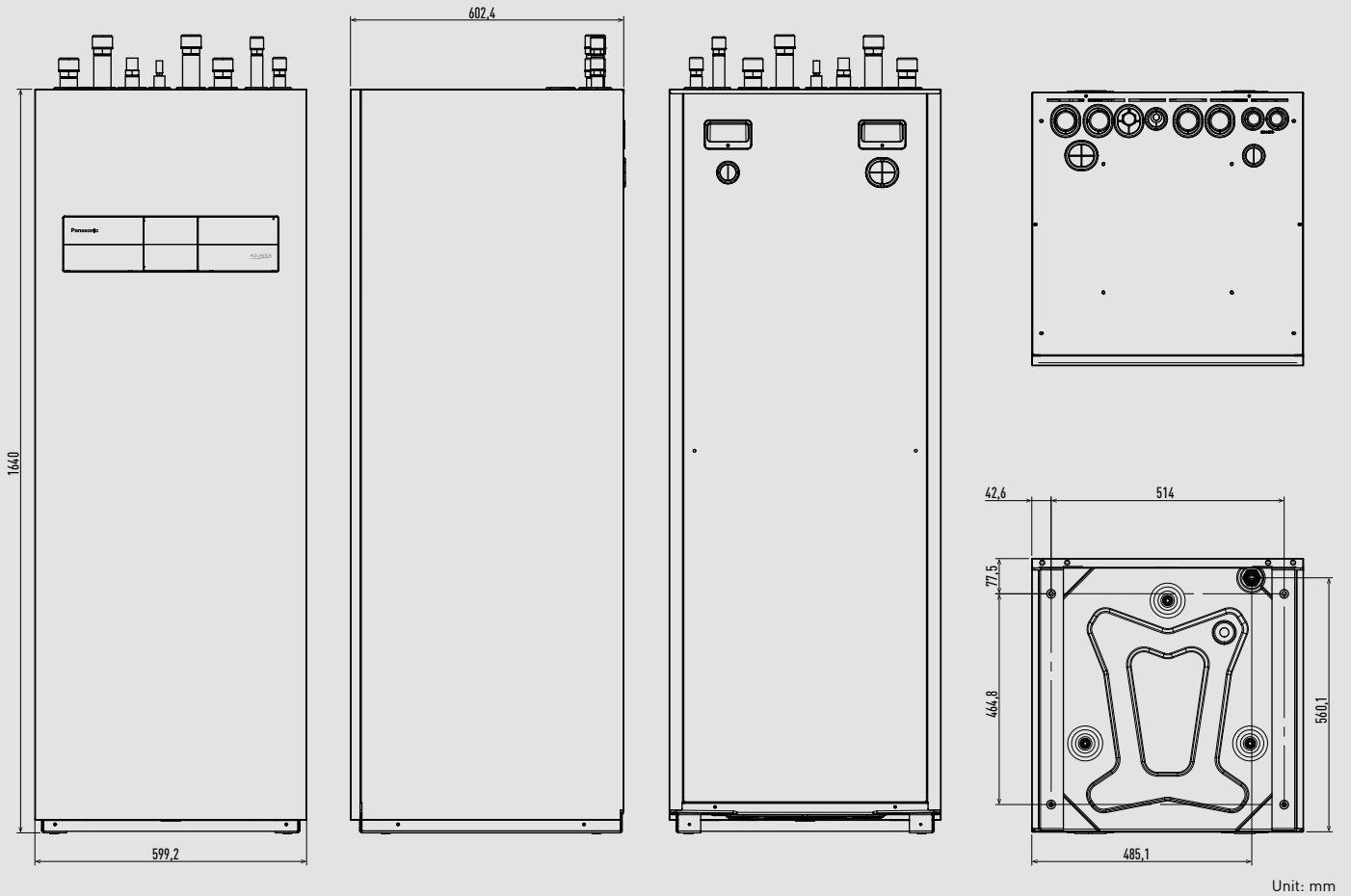
Aquarea All in One H Series.



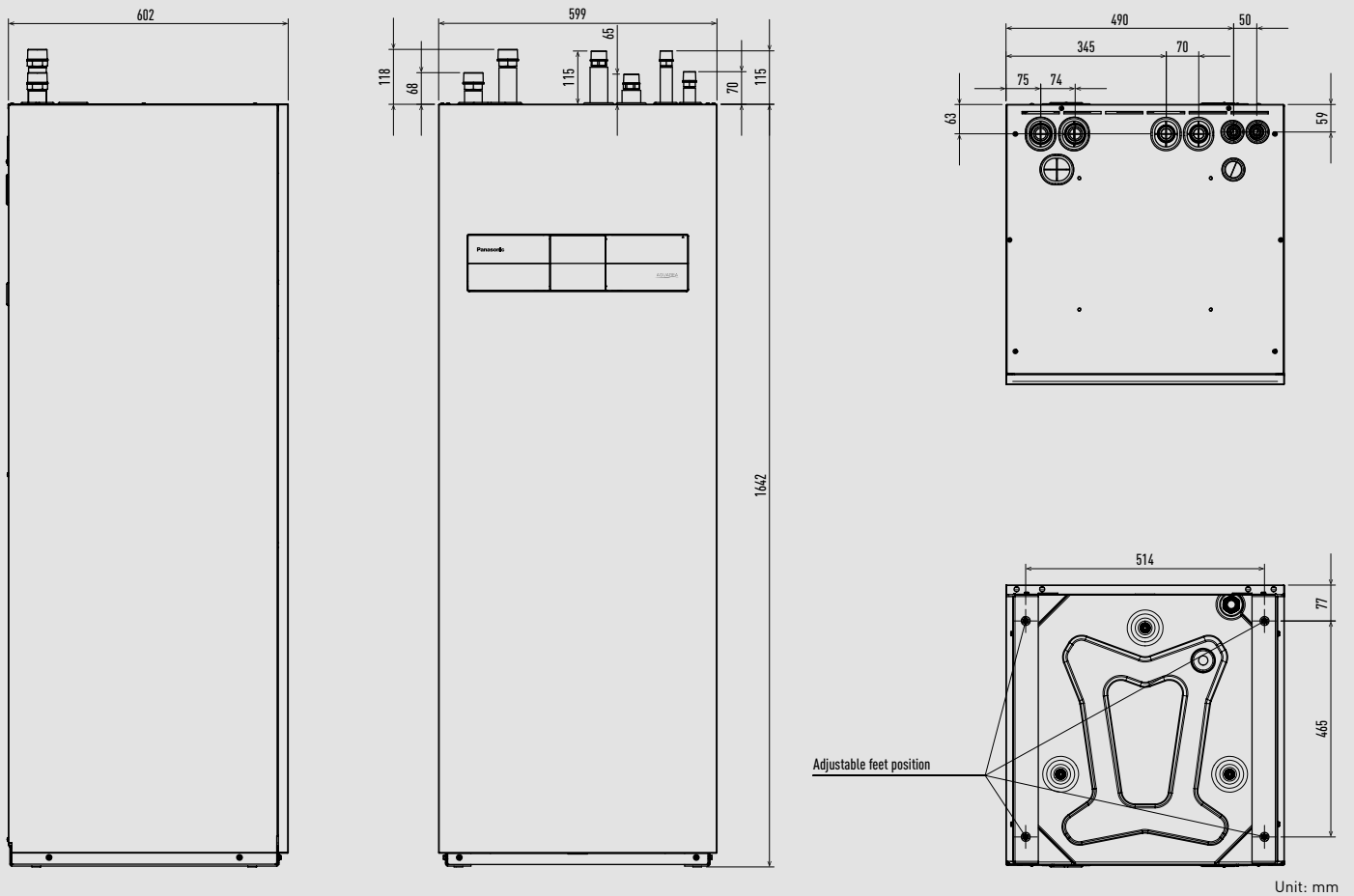
Aquarea All in One J Series.



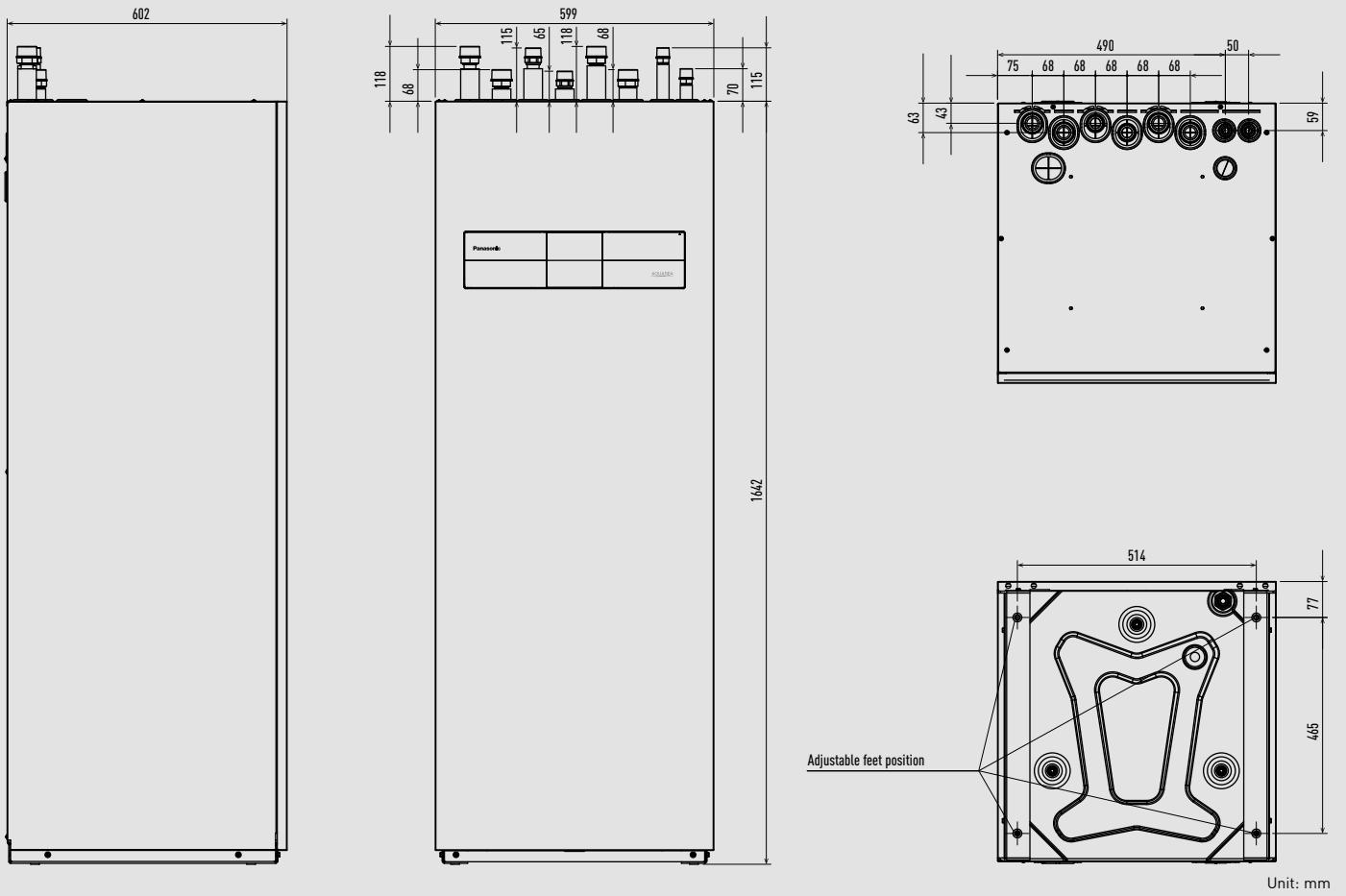
Aquarea All in One K Series.



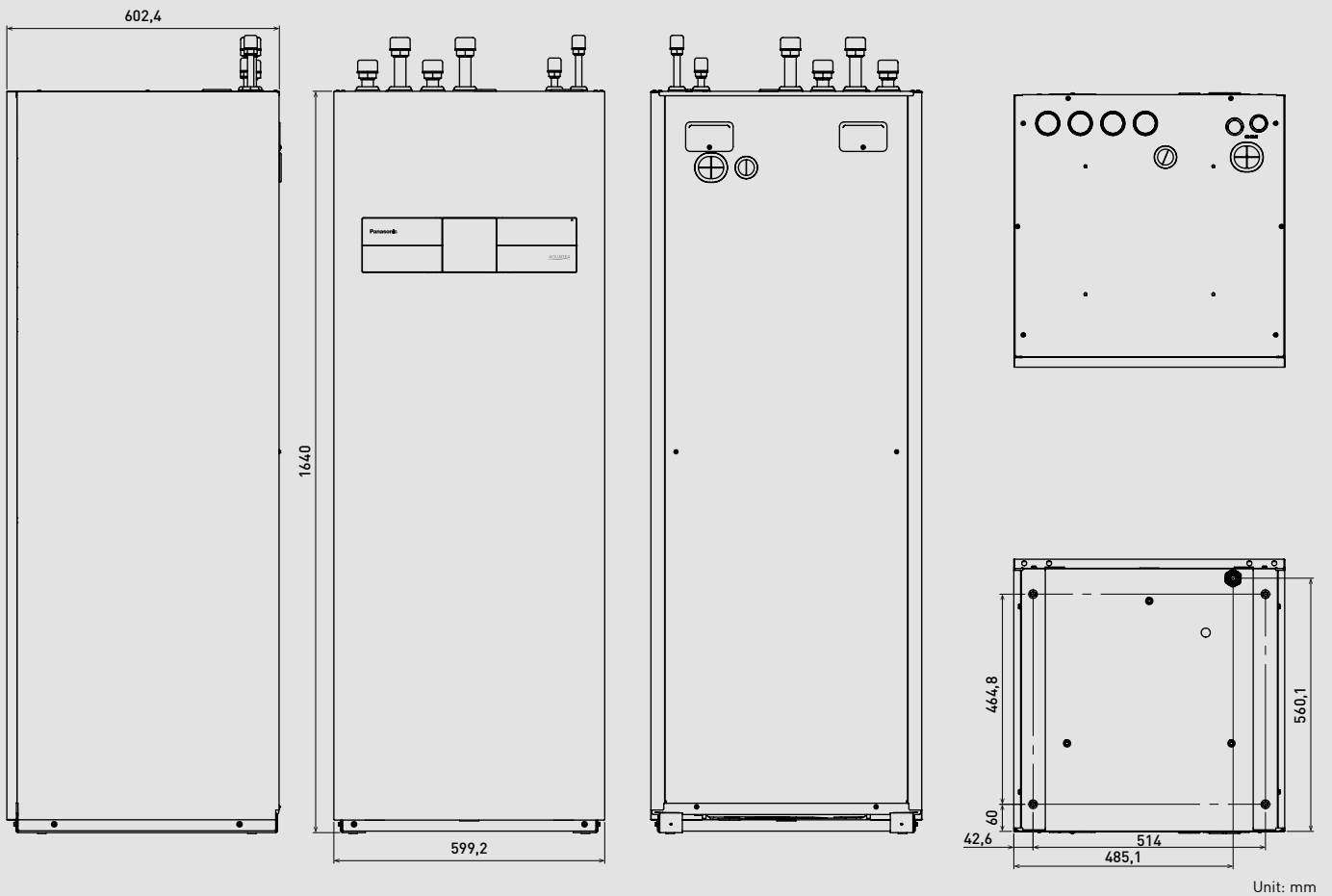
Aquarea High Performance Hydraulic Split All in One / with Electrical Anode L Series.



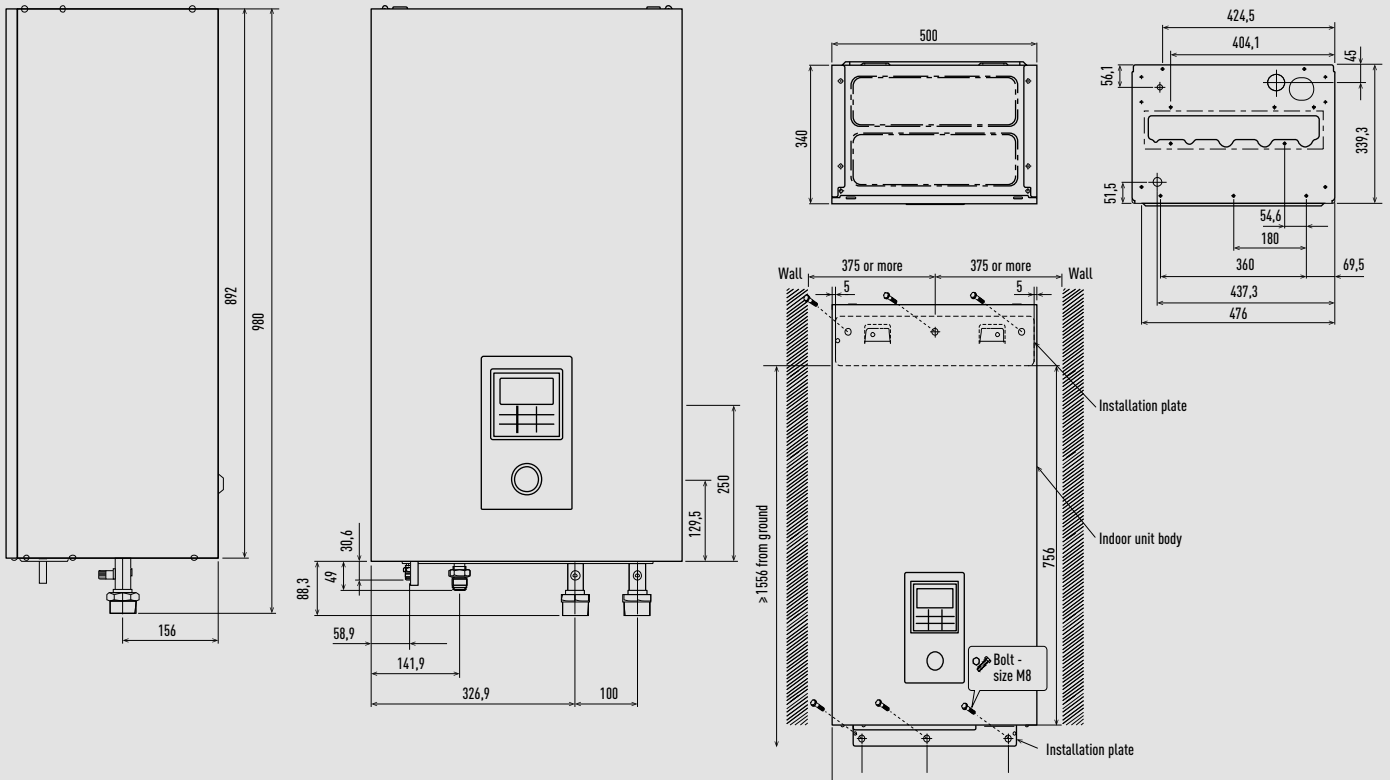
Aquarea High Performance Hydraulic Split All in One 2 zones L Series.



Aquarea All in One M Series.

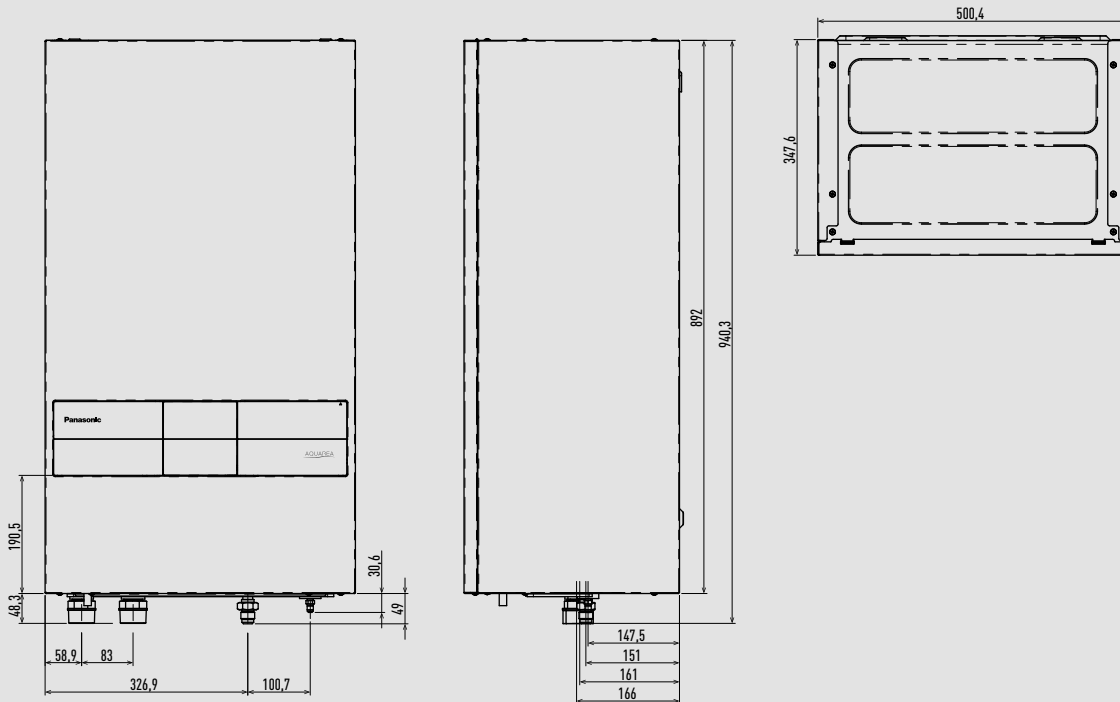


Aquarea hydraulic module H and J Series.



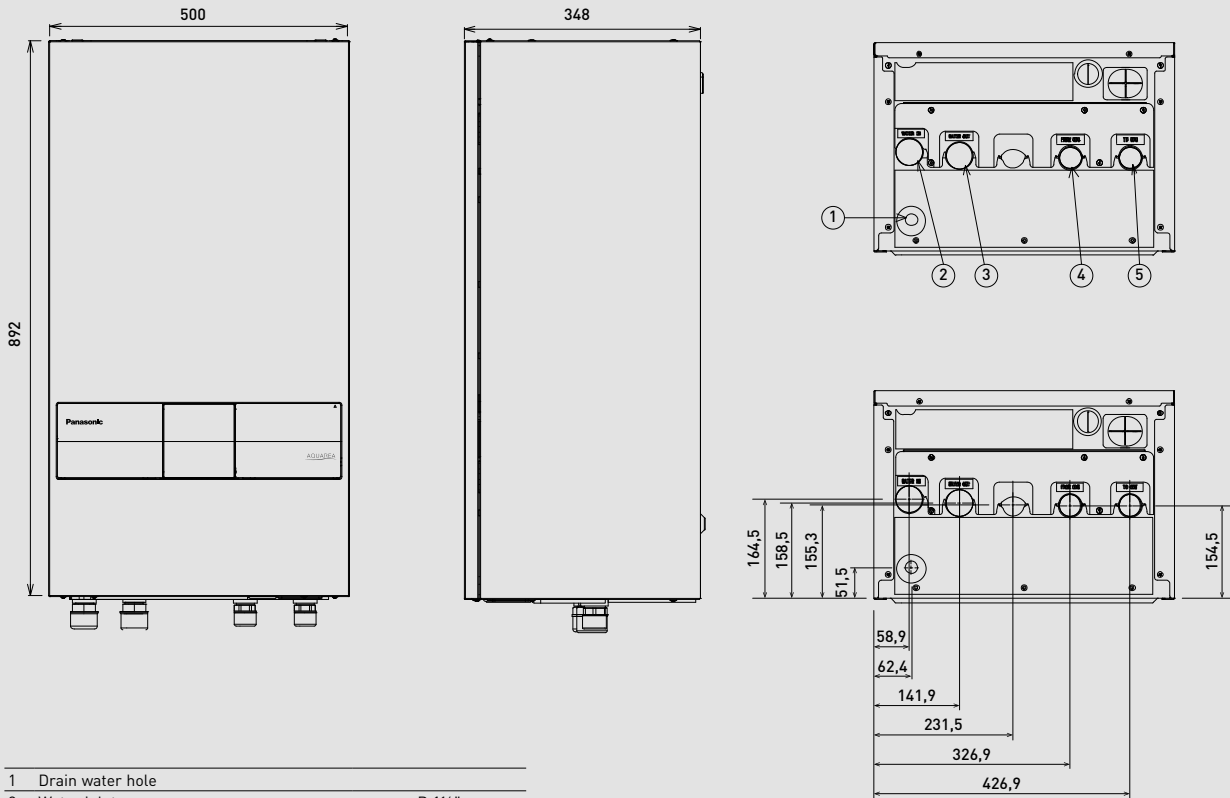
Unit: mm

Aquarea hydraulic module K Series.



Unit: mm

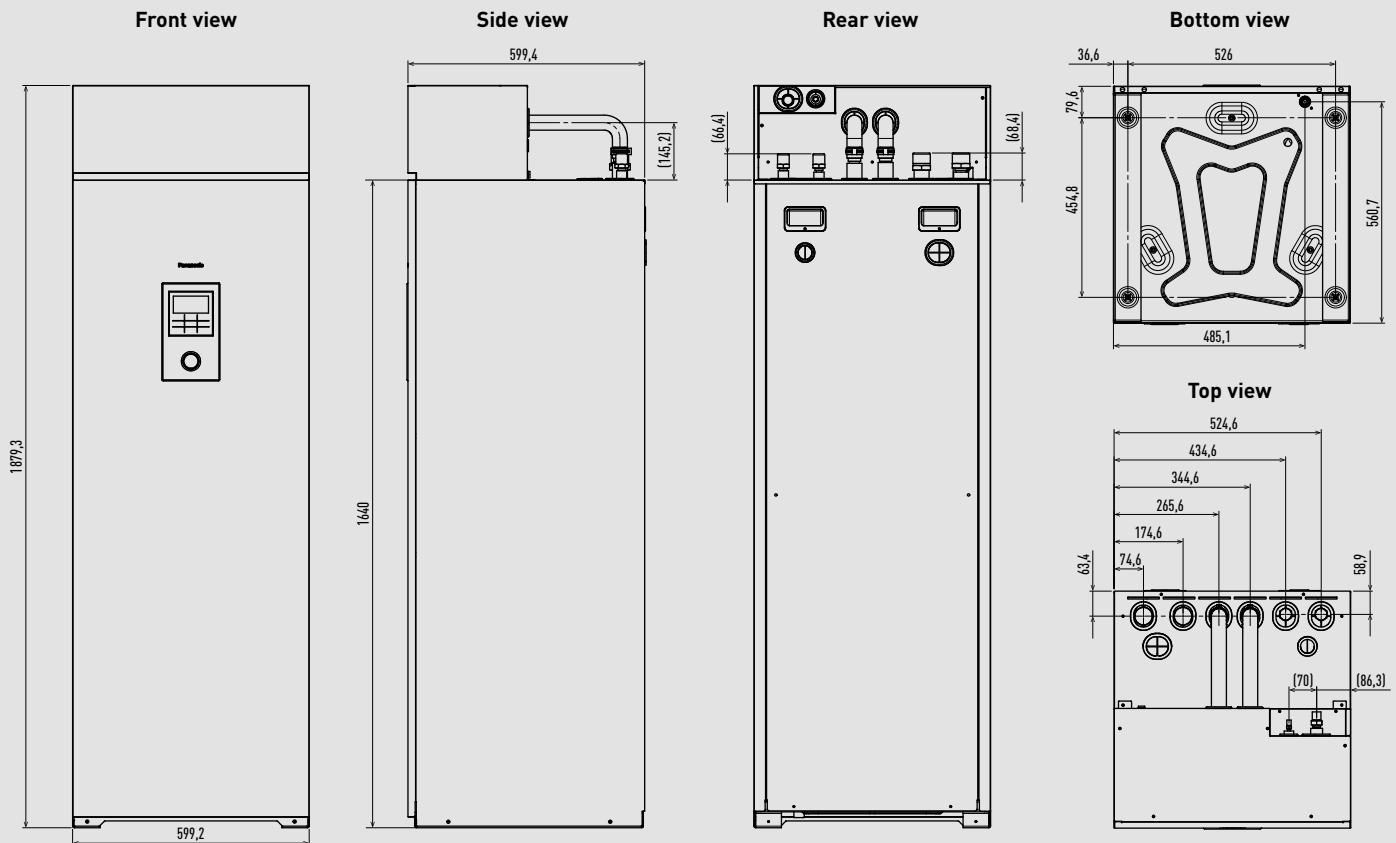
Aquarea Hydraulic Split Bi-bloc L Series.



1	Drain water hole	
2	Water inlet	R 1 1/4"
3	Water outlet	R 1 1/4"
4	Water inlet (from outdoor unit)	R 1"
5	Water outlet (to outdoor unit)	R 1"

Unit: mm

Aquarea EcoFleX tank unit.

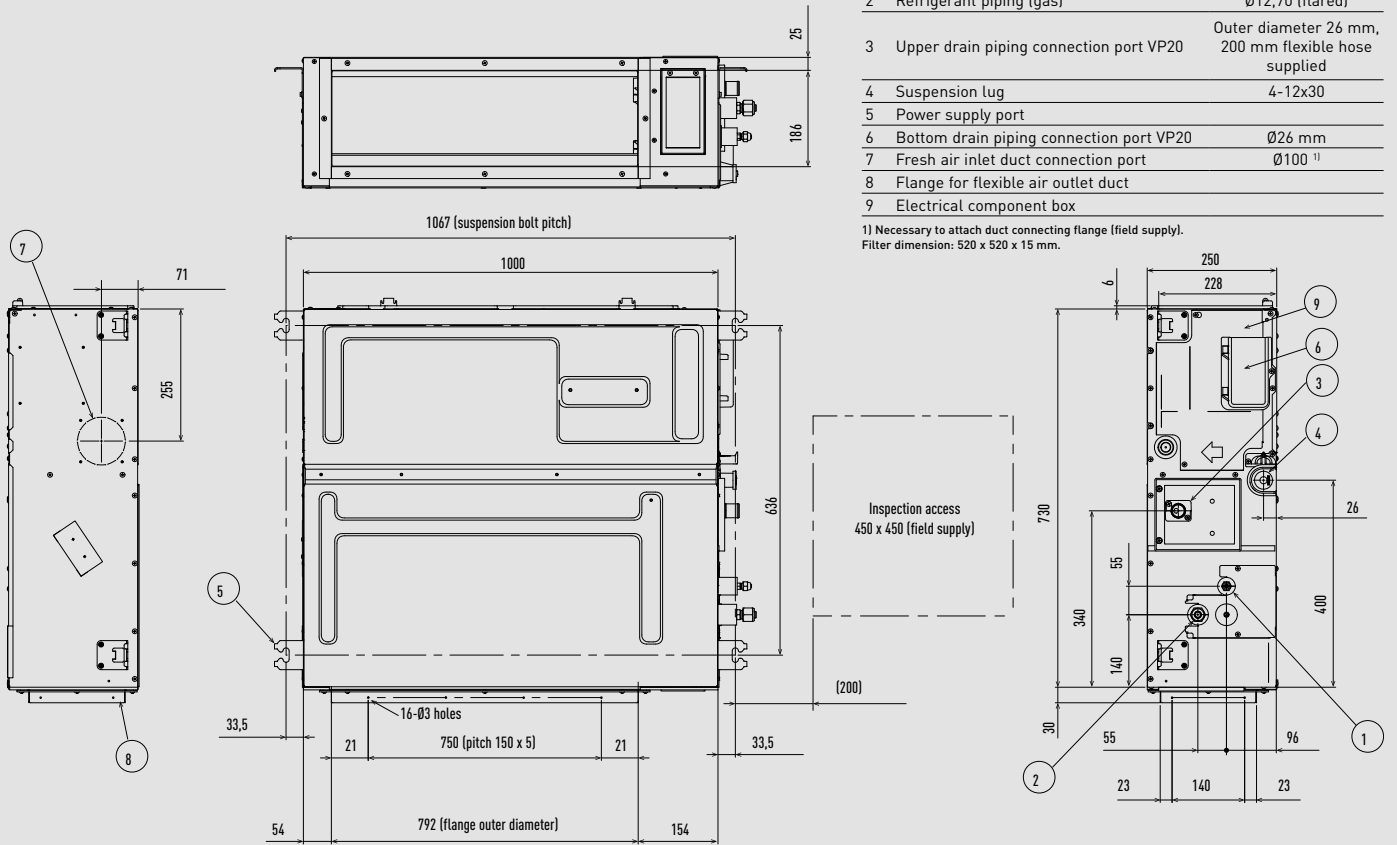


Unit: mm

Aquarea EcoFlex ducted unit.

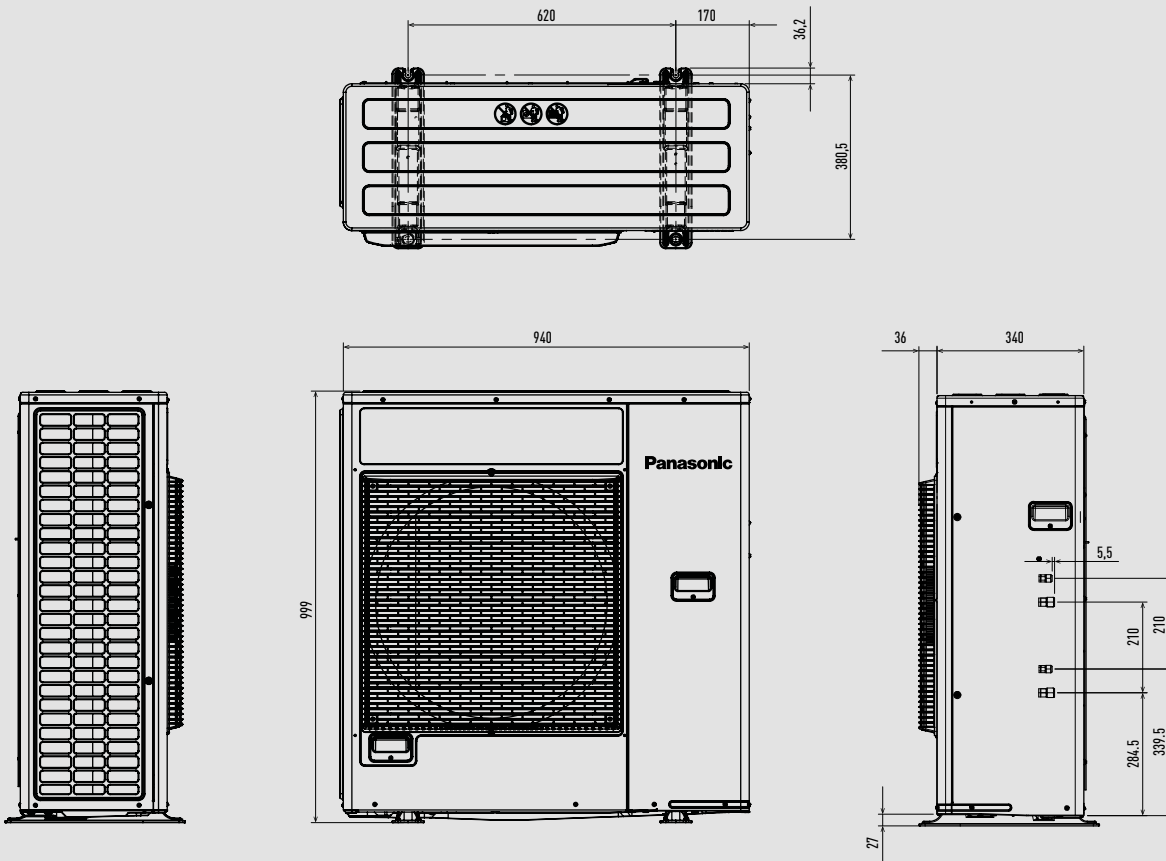
1	Refrigerant piping (liquid)	Ø6,35 (flared)
2	Refrigerant piping (gas)	Ø12,70 (flared)
3	Upper drain piping connection port VP20	Outer diameter 26 mm, 200 mm flexible hose supplied
4	Suspension lug	4-12x30
5	Power supply port	
6	Bottom drain piping connection port VP20	Ø26 mm
7	Fresh air inlet duct connection port	Ø100 <sup>1)</sup>
8	Flange for flexible air outlet duct	
9	Electrical component box	

<sup>1)</sup> Necessary to attach duct connecting flange (field supply).  
Filter dimension: 520 x 520 x 15 mm.



Unit: mm

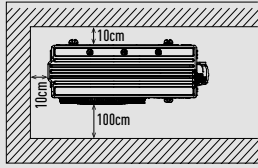
Aquarea EcoFlex outdoor unit.



Unit: mm

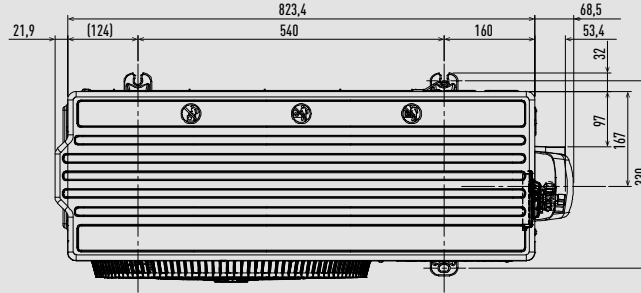
Aquarea High Performance Bi-bloc outdoor unit 3 kW K Series, 3 and 5 kW H and J Series.

Space necessary for installation

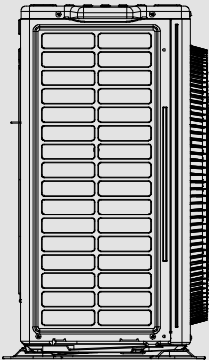


Anchor bolt pitch 355 x 260

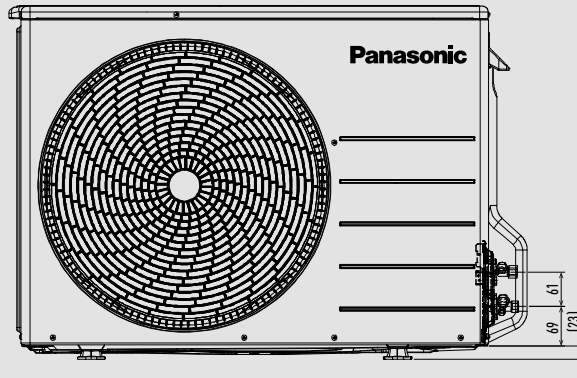
Top view



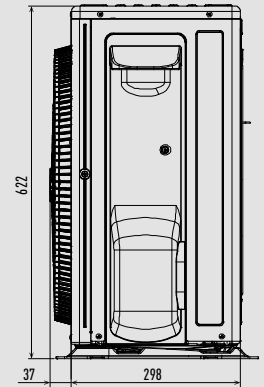
Side view



Front view

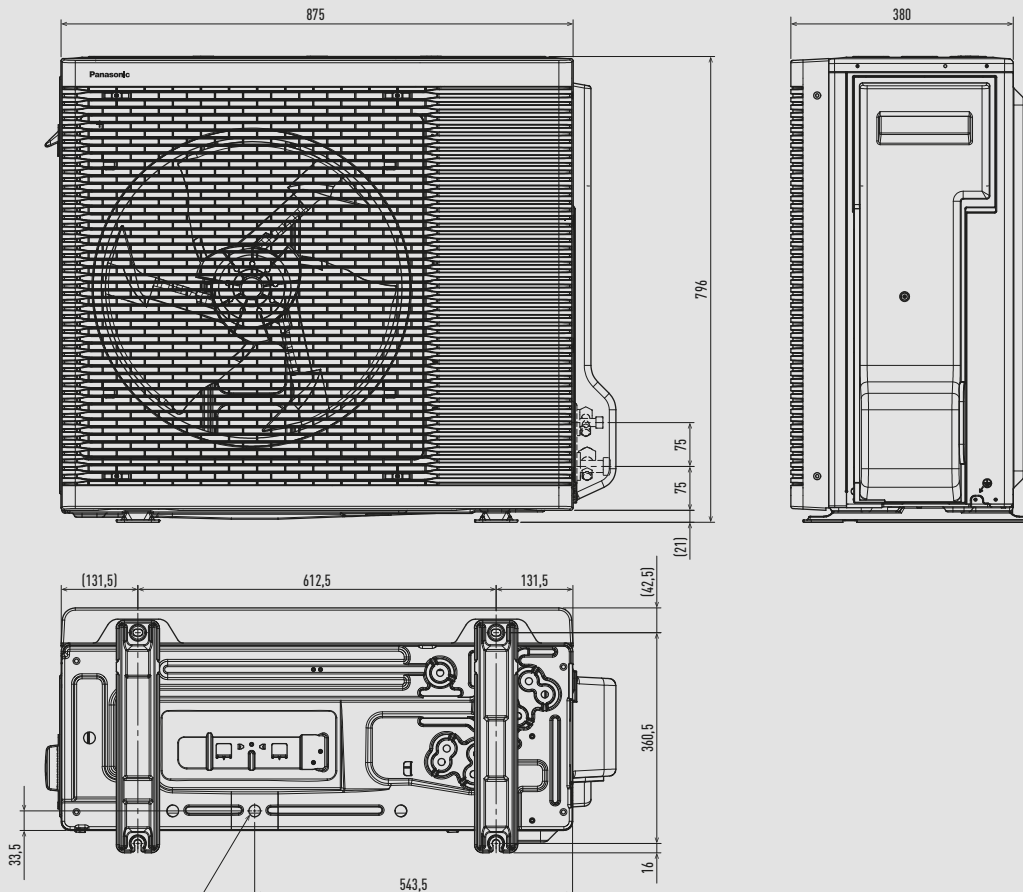


Side view



Unit: mm

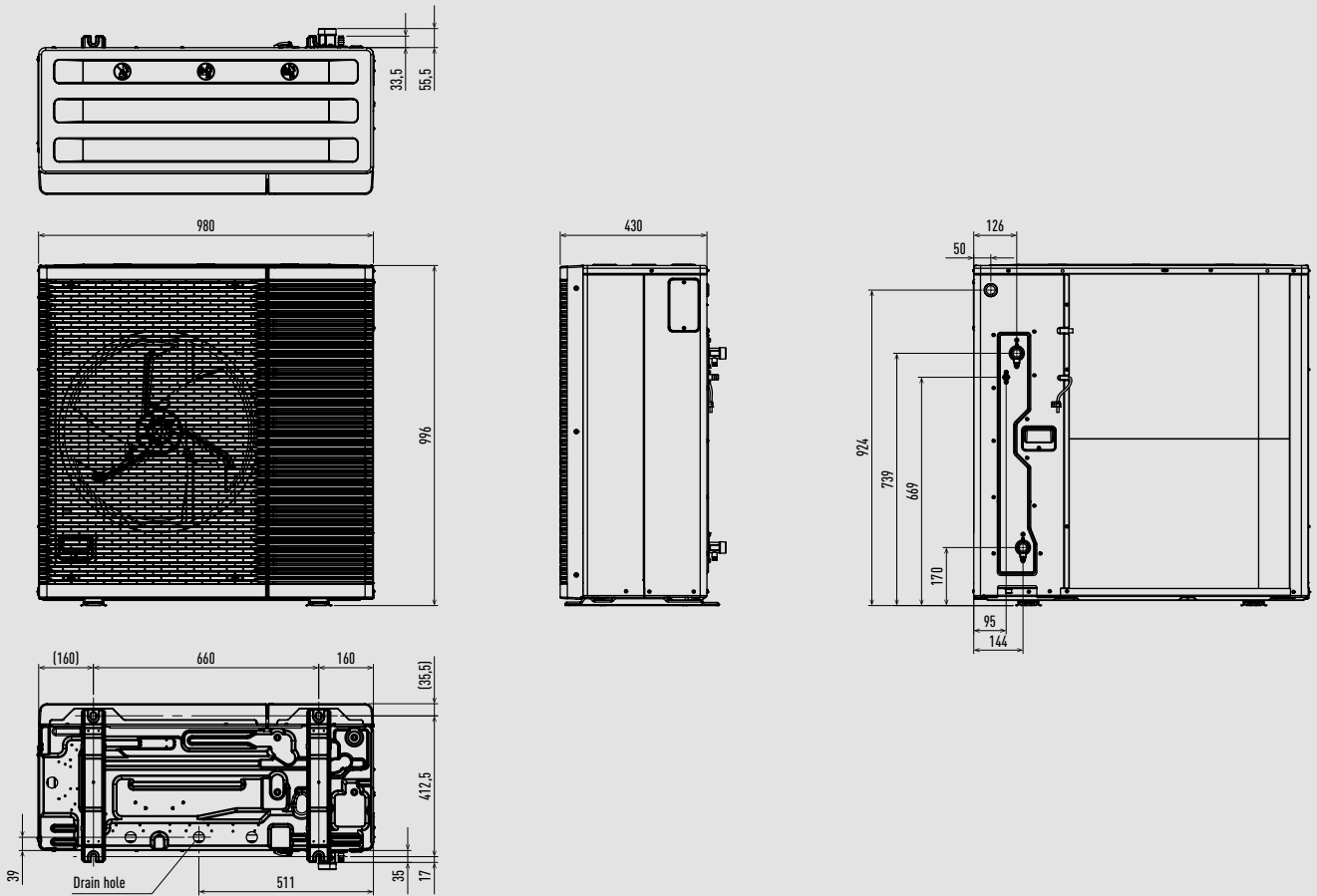
Aquarea High Performance Bi-bloc outdoor units from 5 to 9 kW K Series.



Unit: mm

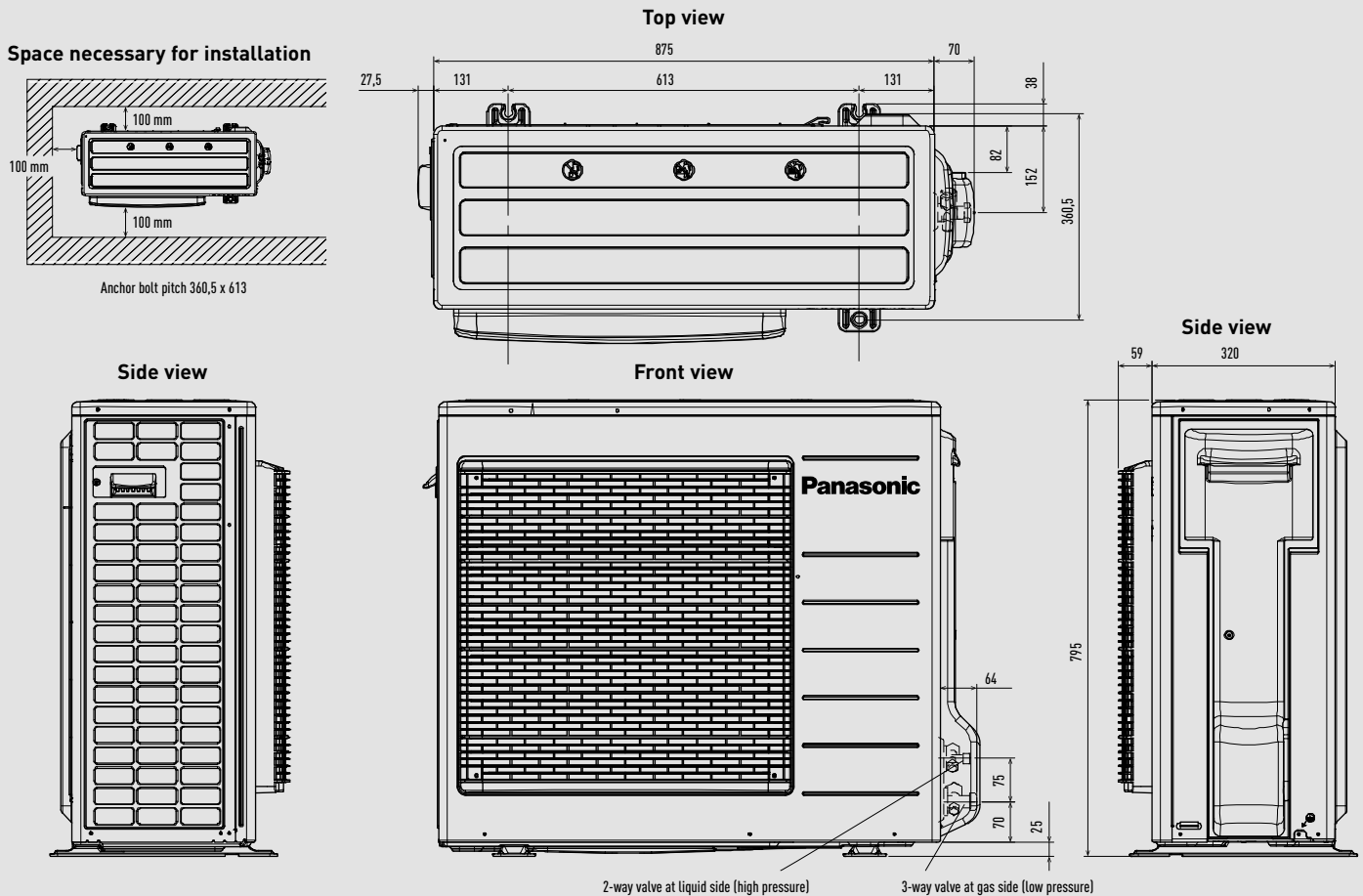


Aquarea Hydraulic Split Bi-bloc outdoor units from 5 to 9 kW L Series.



Unit: mm

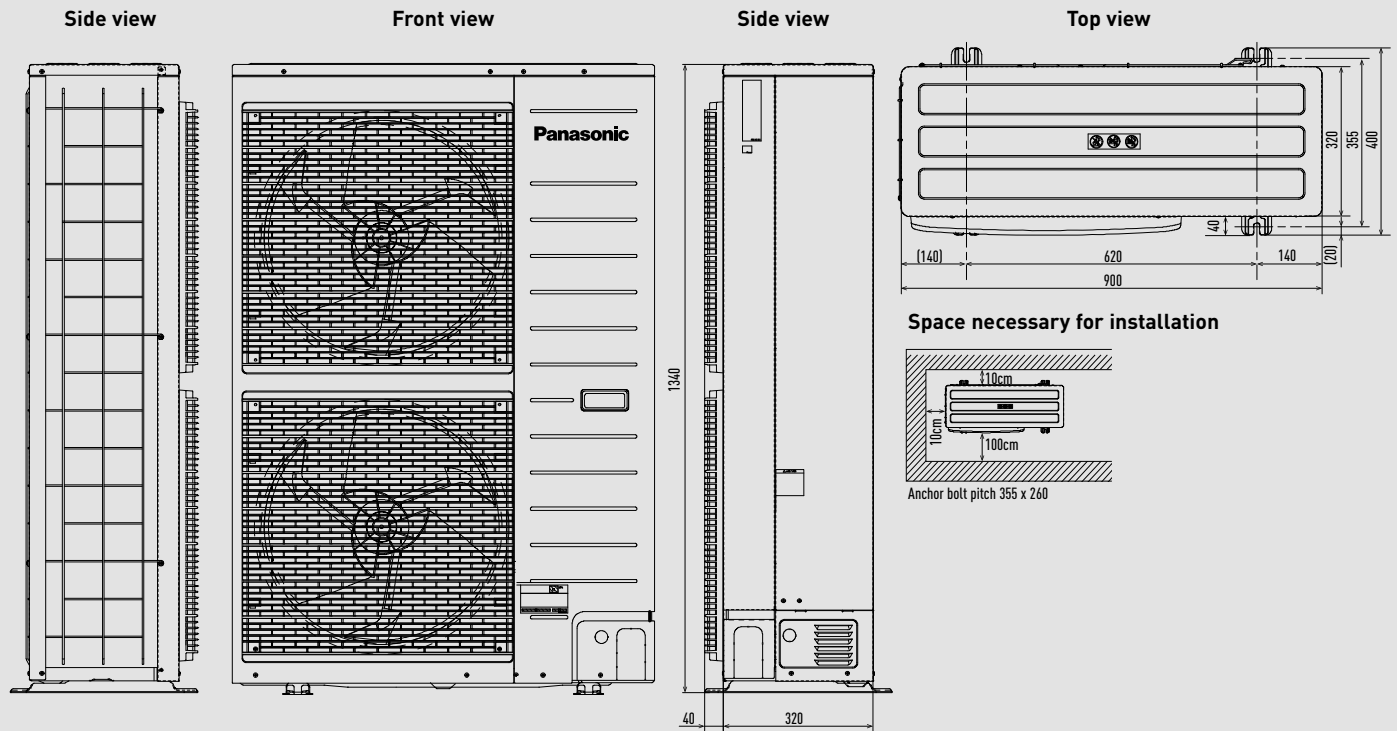
Aquarea High Performance Bi-bloc outdoor units 7 and 9 kW H and J Series.



Unit: mm

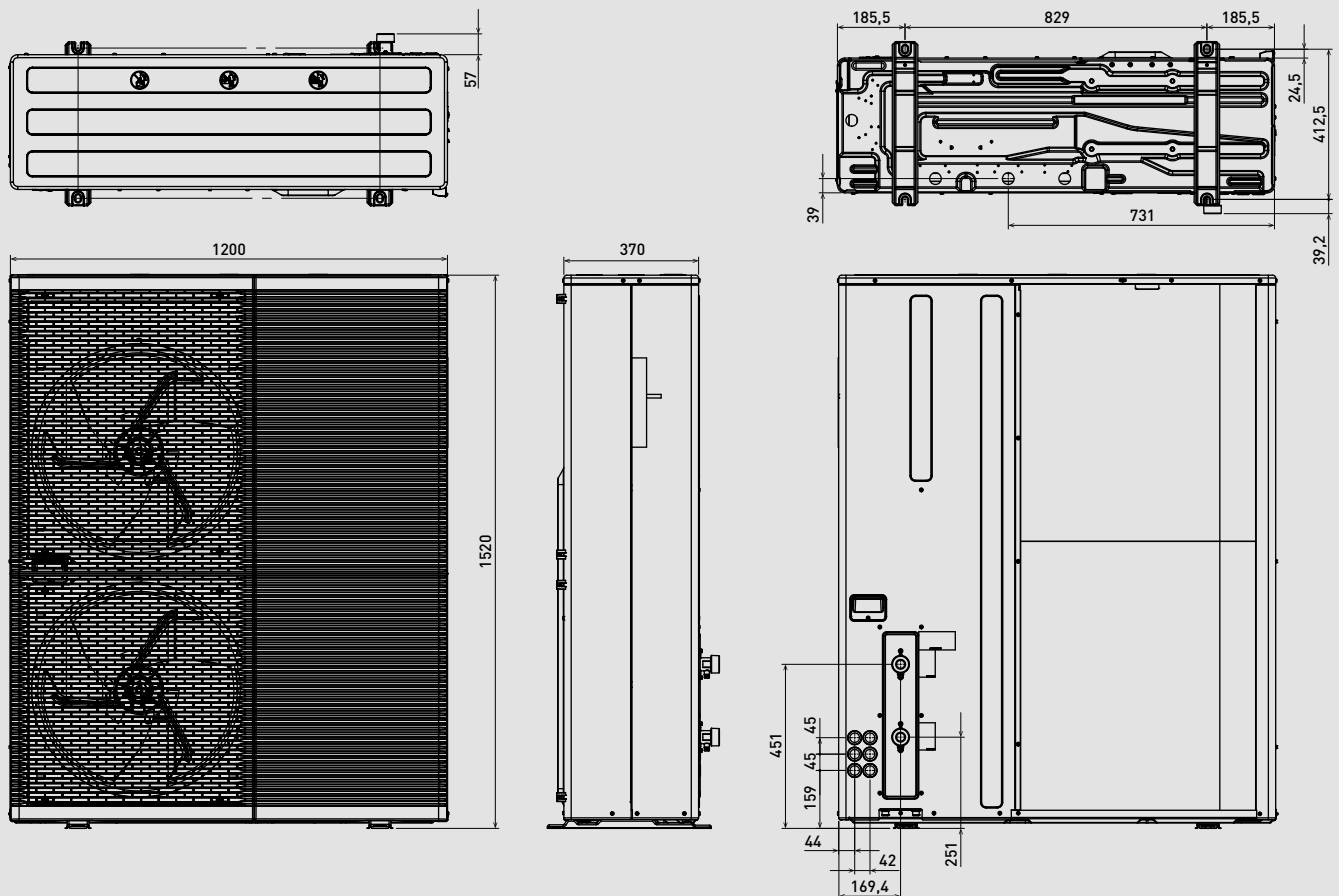
Aquarea High Performance, T-CAP Bi-bloc outdoor units from 9 to 16 kW.

[Except High Performance 9 kW single phase].



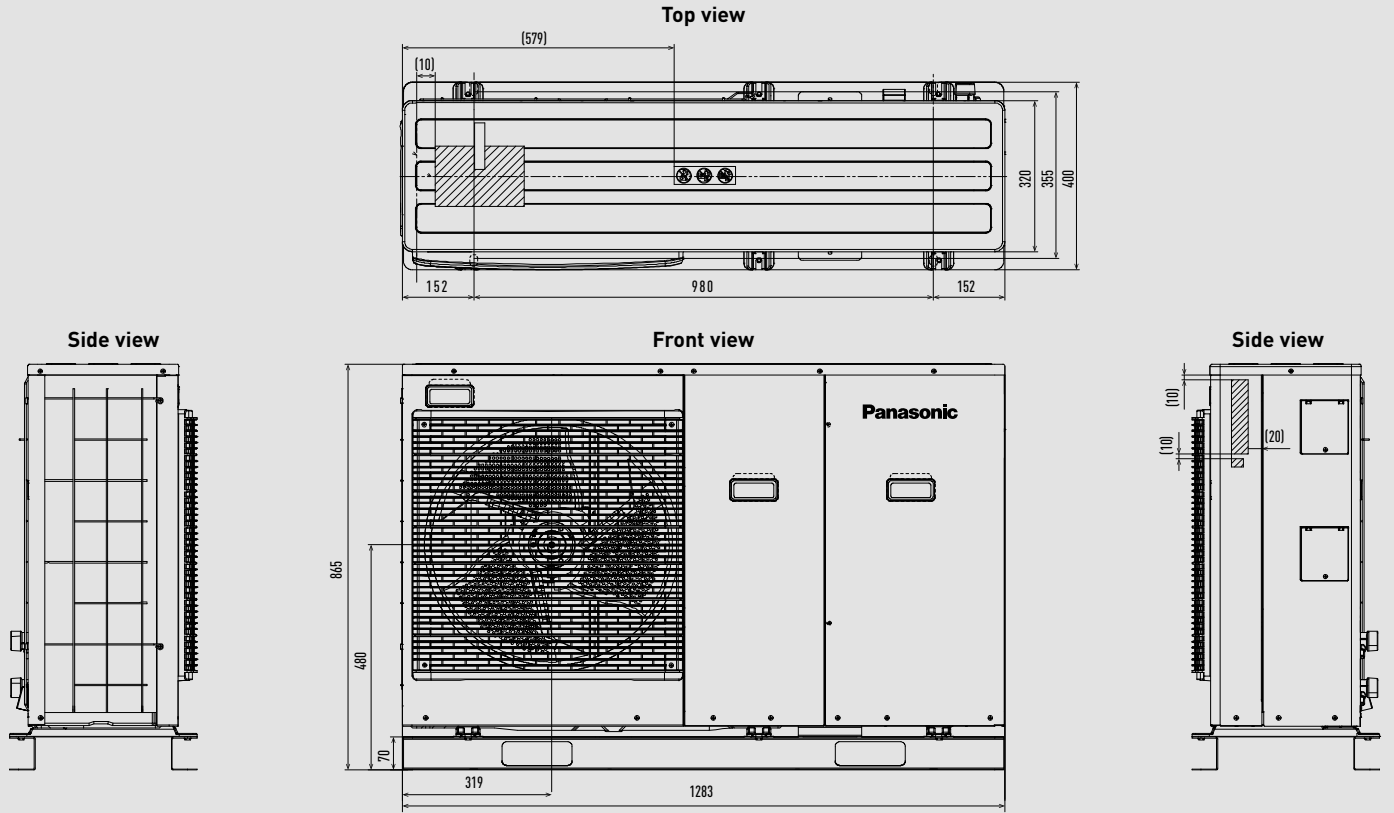
Unit: mm

Aquarea T-CAP Hydraulic M Series outdoor units from 9 to 16 kW.



Unit: mm

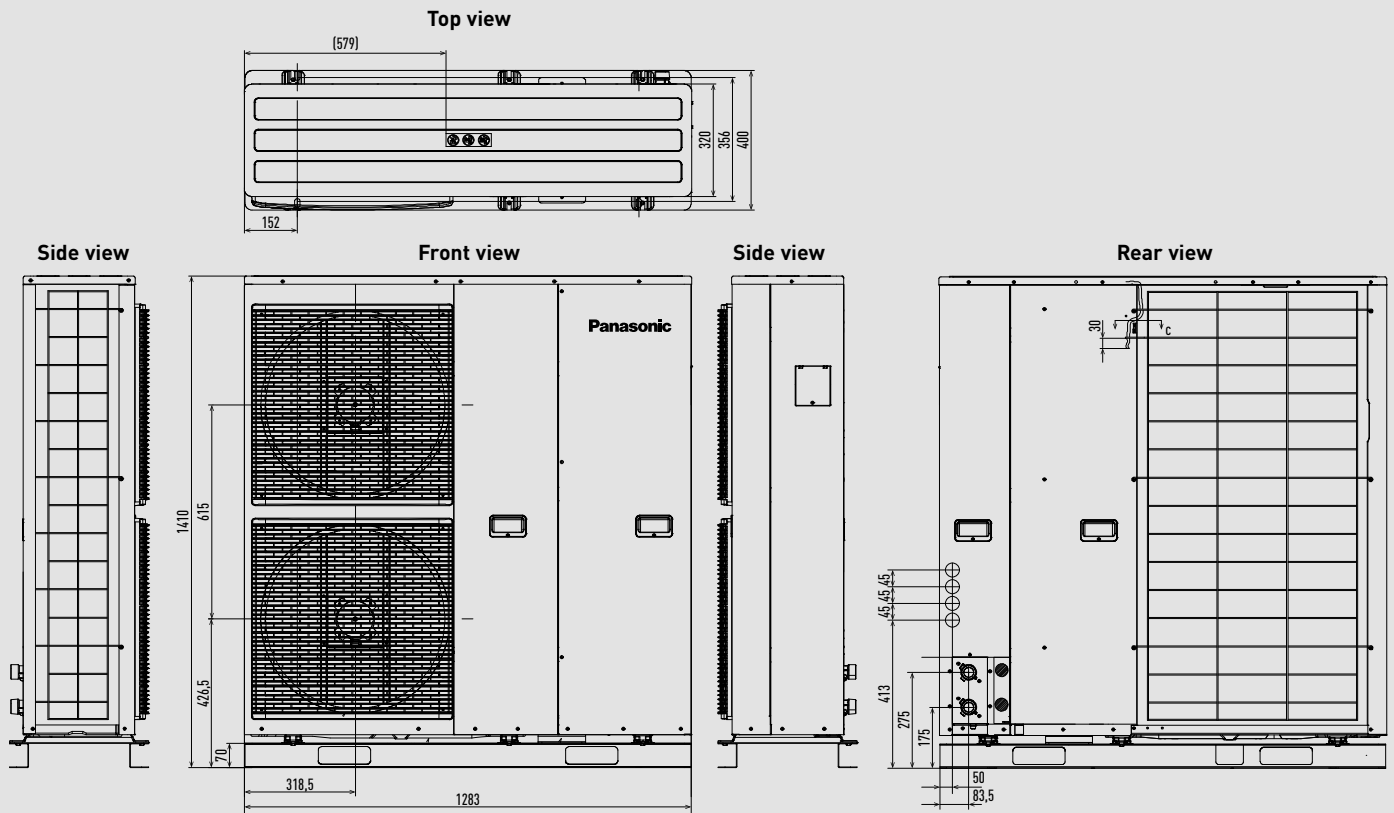
Aquarea High Performance Mono-bloc outdoor units from 5 to 9 kW.



Unit: mm

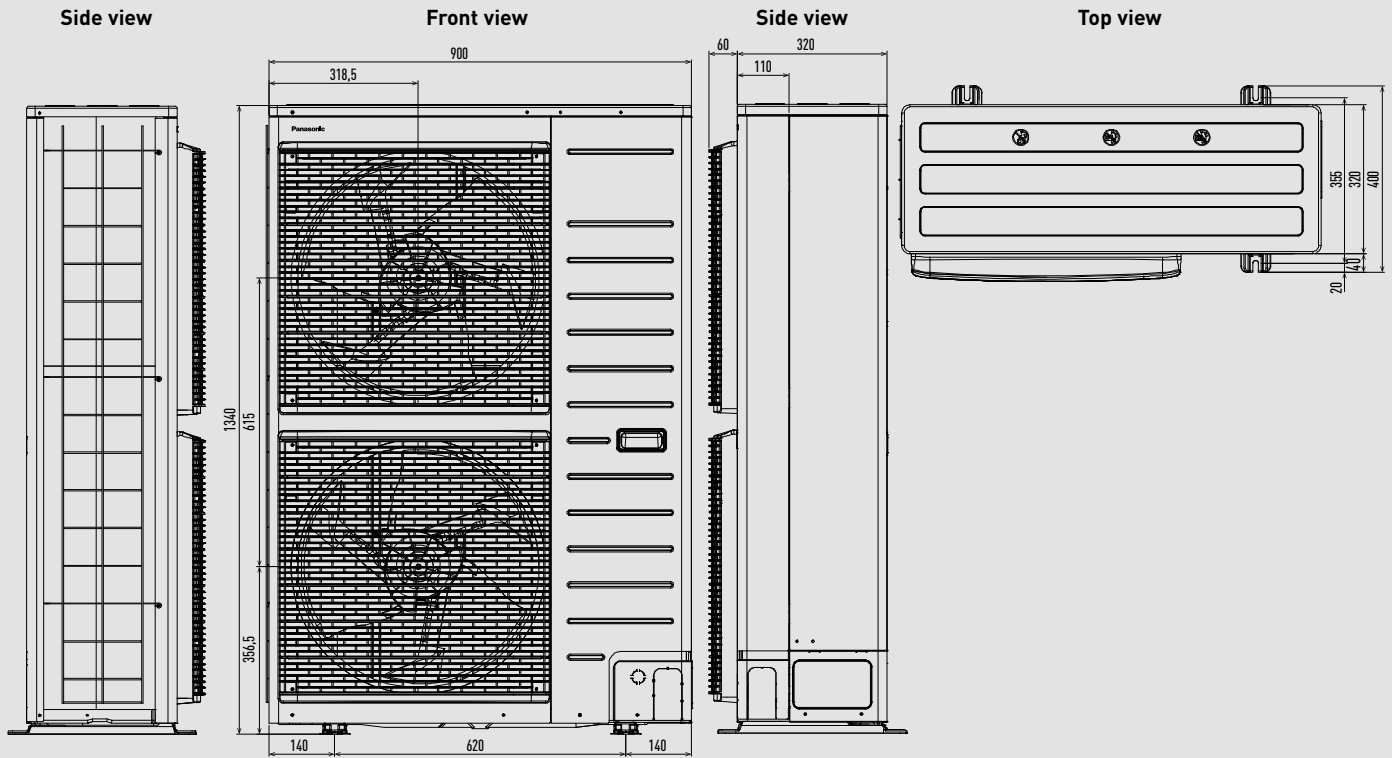
Aquarea High Performance, T-CAP Mono-bloc outdoor unit and T-CAP Bi-bloc Super Quiet outdoor units from 9 to 16 kW.

(Except High Performance 9 kW).



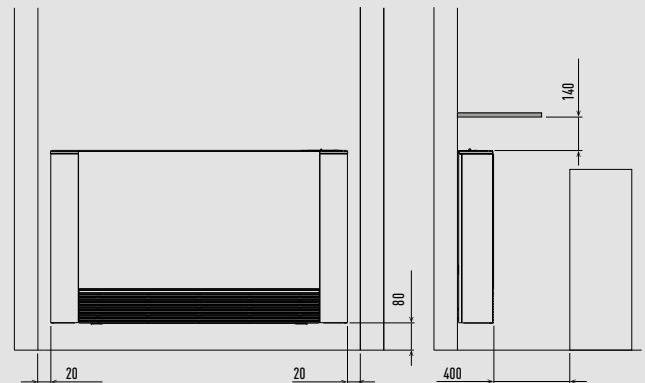
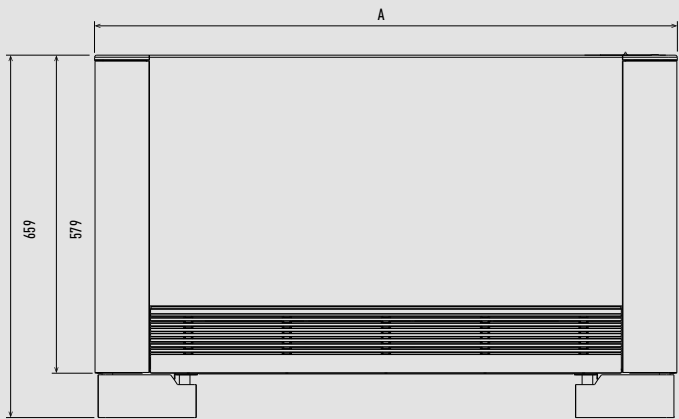
Unit: mm

Aquarea T-CAP Bi-bloc outdoor units from 9 to 12 kW K Series.



Unit: mm

Smart fan coils.



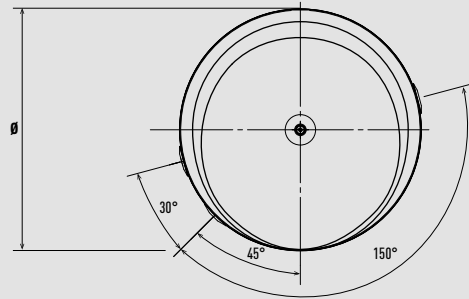
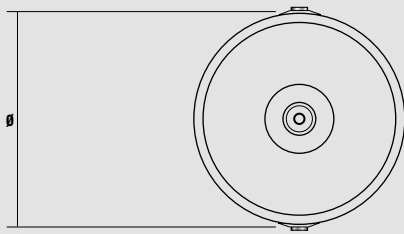
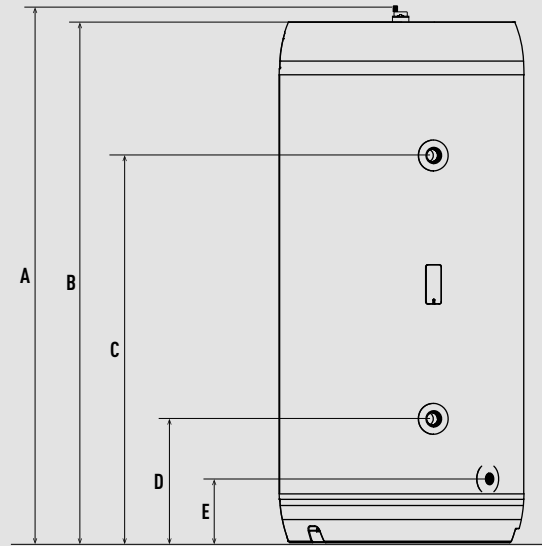
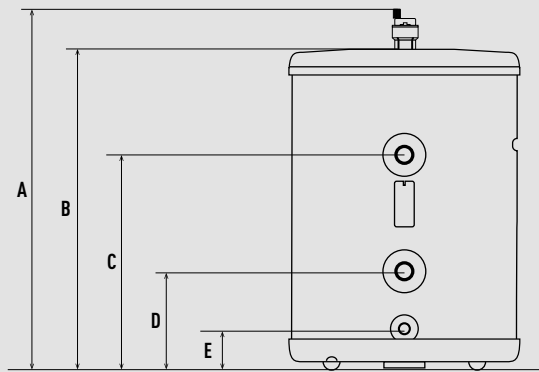
	PAW-AAIR-200-2	PAW-AAIR-700-2	PAW-AAIR-900-2	PAW-AAIR-1100-2
A	735	935	1135	1335

Unit: mm

Buffer tank - PAW-BTANK50L-2 / PAW-BTANK100L.

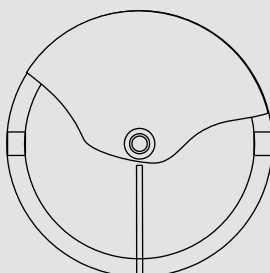
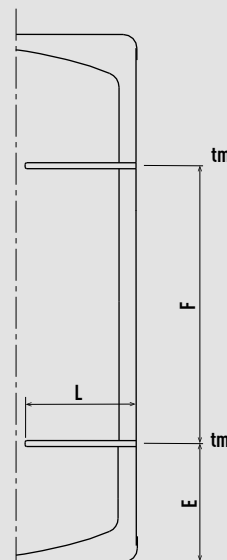
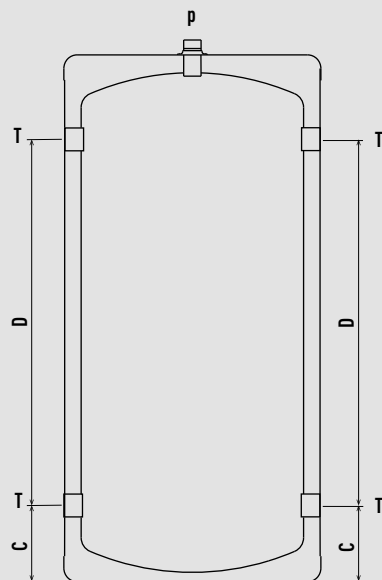
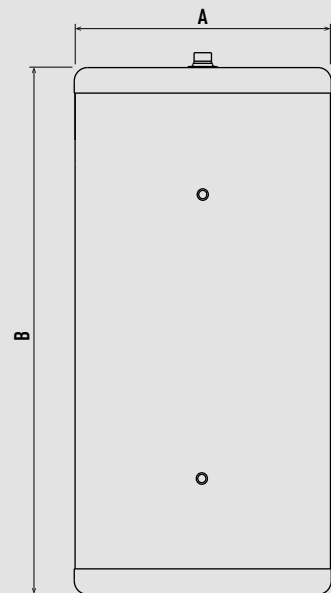
	A*	B*	C	D	E	∅
PAW-BTANK50L-2	704	636	422	192	96	435
PAW-BTANK100L	1243	1175	962	192	96	435

Tolerance +/- 5 mm. \* Total height tolerance +0 / -13 mm.



Unit: mm

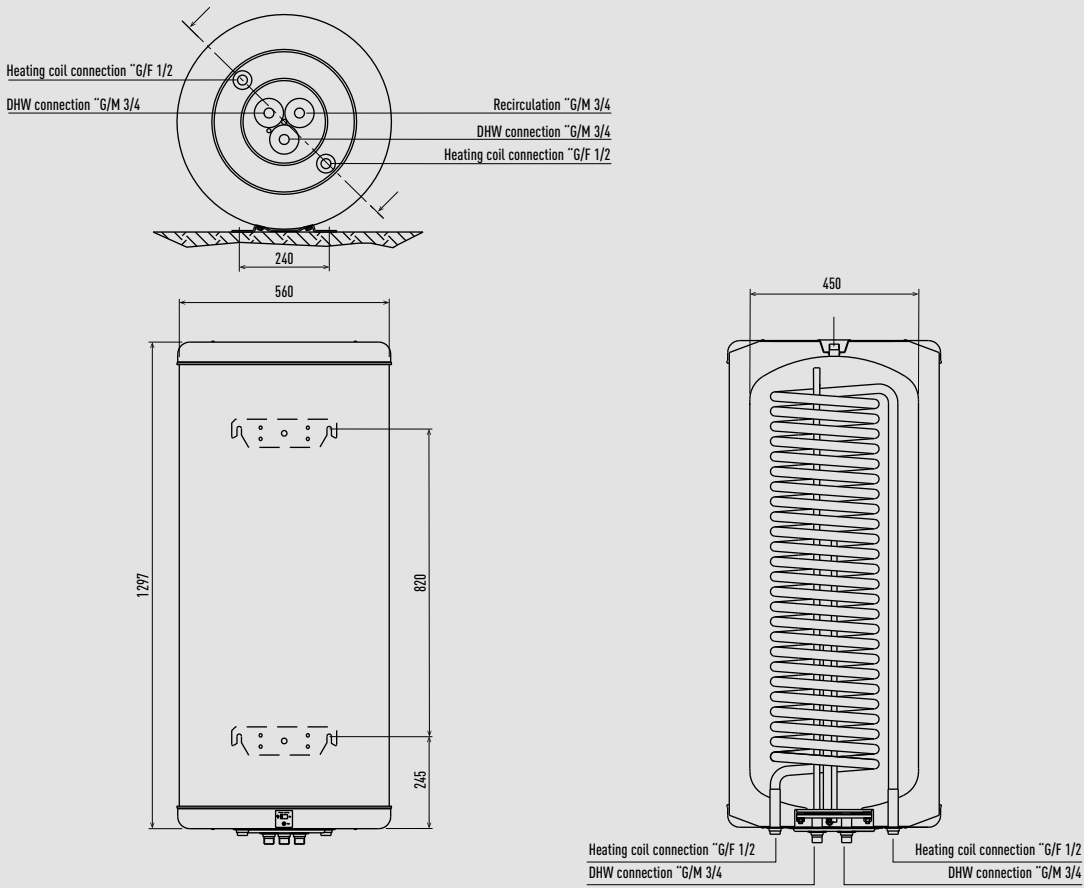
Buffer tank - PAW-BTANKG200L / PAW-BTANKG260L.



	A: External diameter	B: Overall height	C	D	E	F	L	T: connection	tm: probe tube for sensors	p: Purge
	mm	mm	mm	mm	mm	mm	mm	Inch G/F	∅ int. (mm)	Inch G/M
PAW-BTANKG200L	620	983	168	624	194	566	285	1 1/2	10	1
PAW-BTANKG260L	620	1293	168	873	279	652	285	1 1/2	10	1

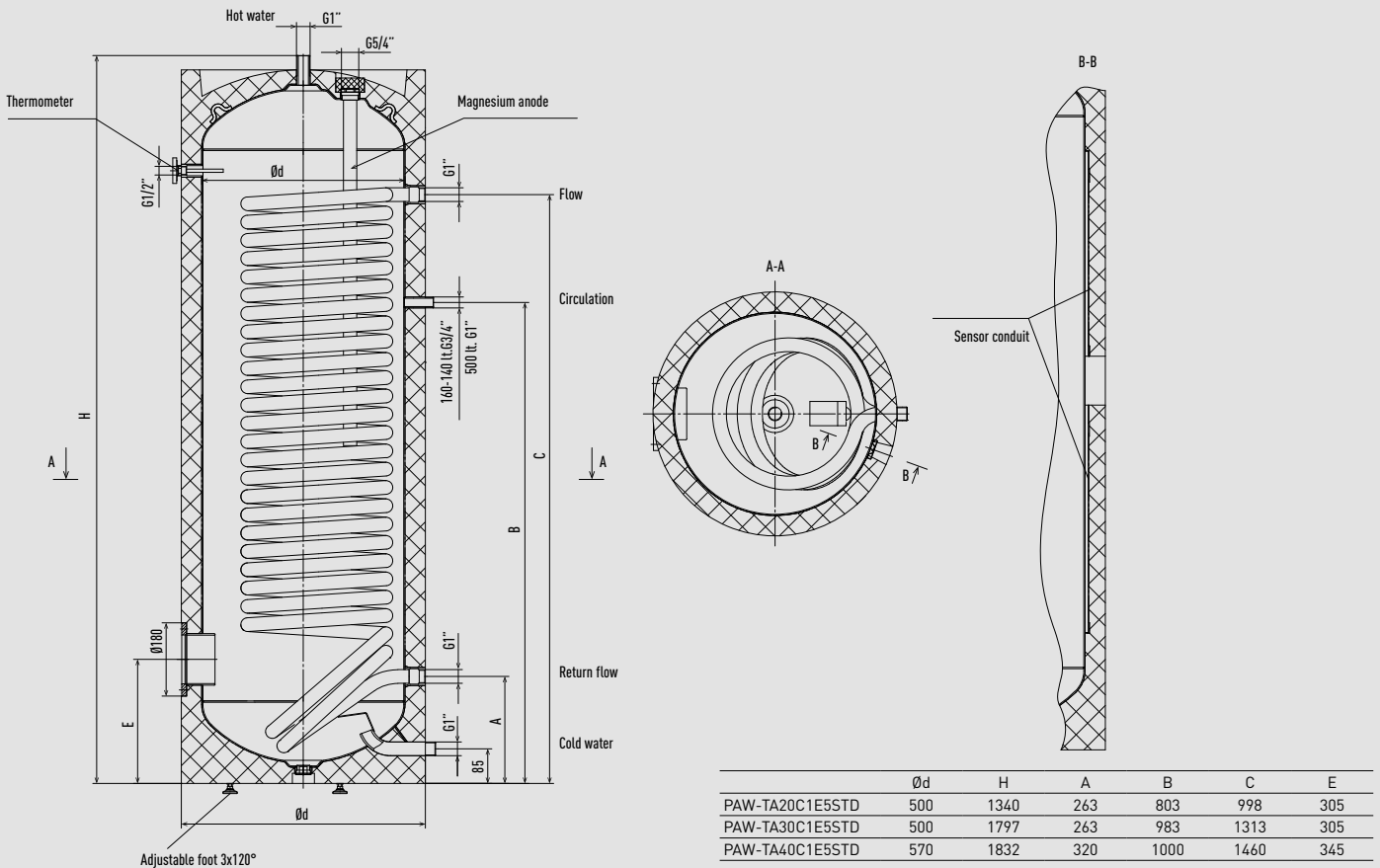
Unit: mm

Enamelled tank - PAW-TA15C1E5.



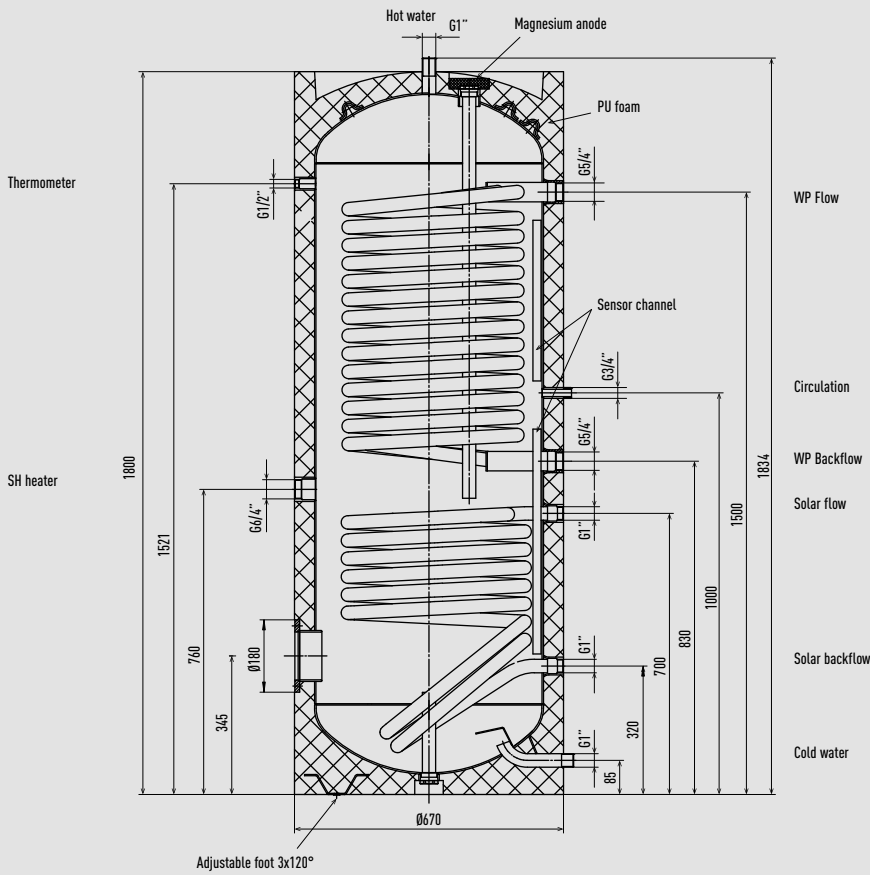
Unit: mm

Enamelled tanks - PAW-TA20C1E5STD / PAW-TA30C1E5STD / PAW-TA40C1E5STD.



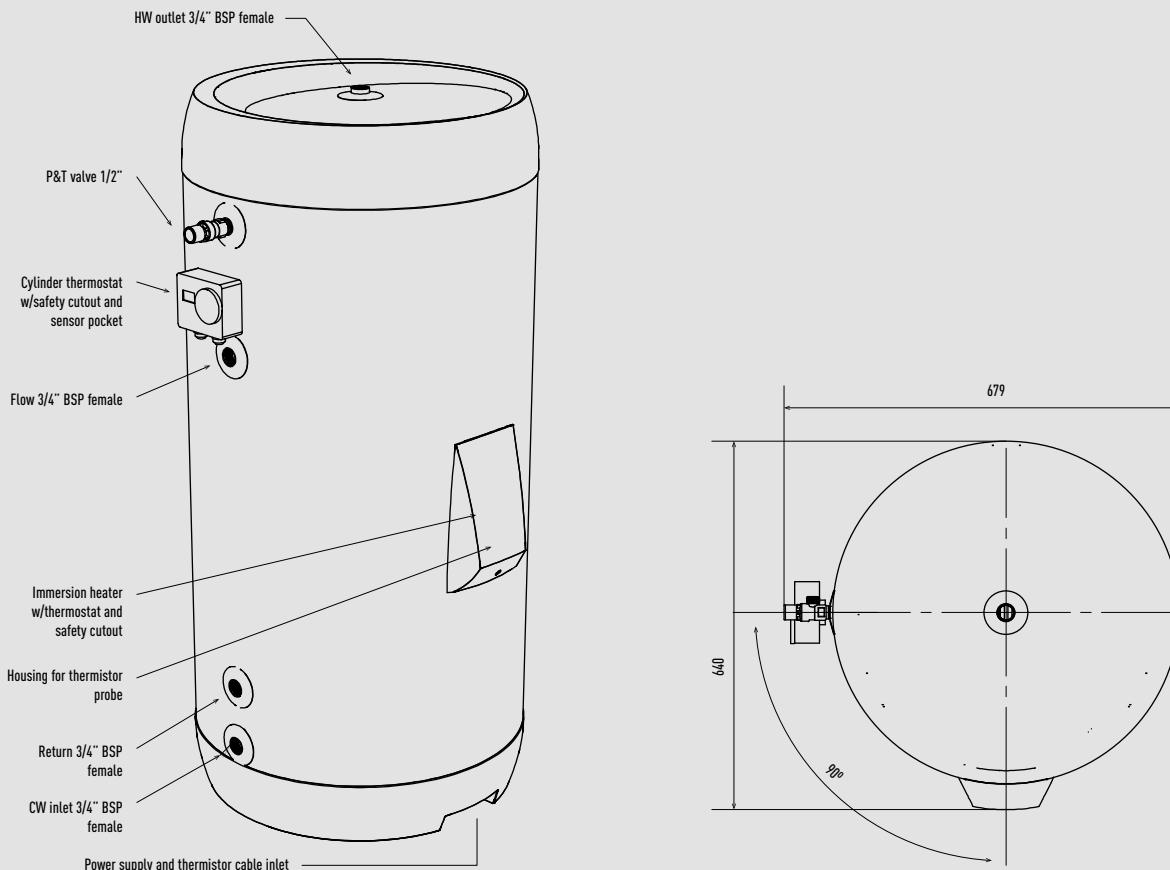
Unit: mm

Enamelled tank - PAW-TA30C2E5STD.



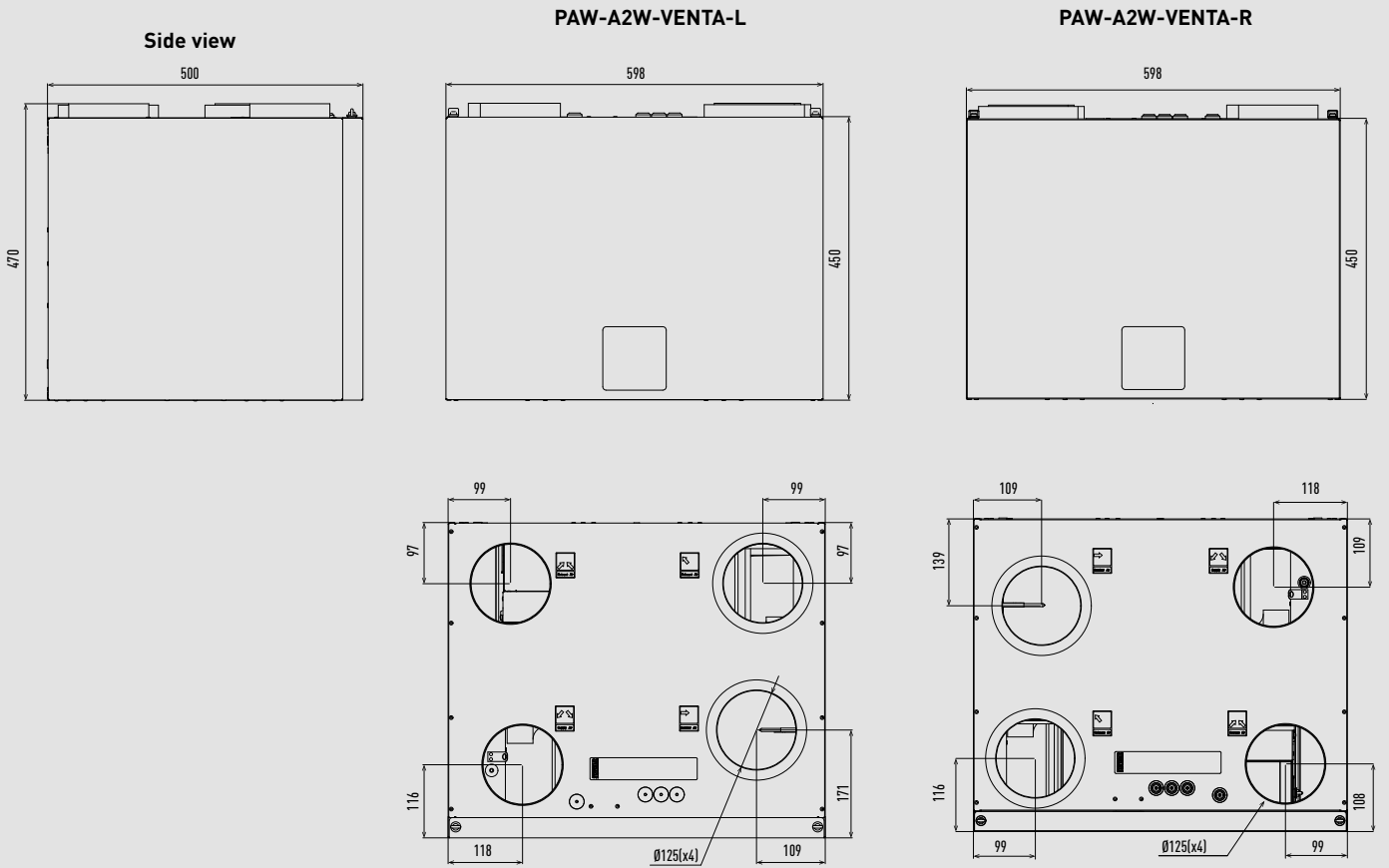
Unit: mm

Stainless steel tanks - PAW-TD20C1E5-1 / PAW-TD30C1E5-1 / PAW-TD30C1E5HI-1.



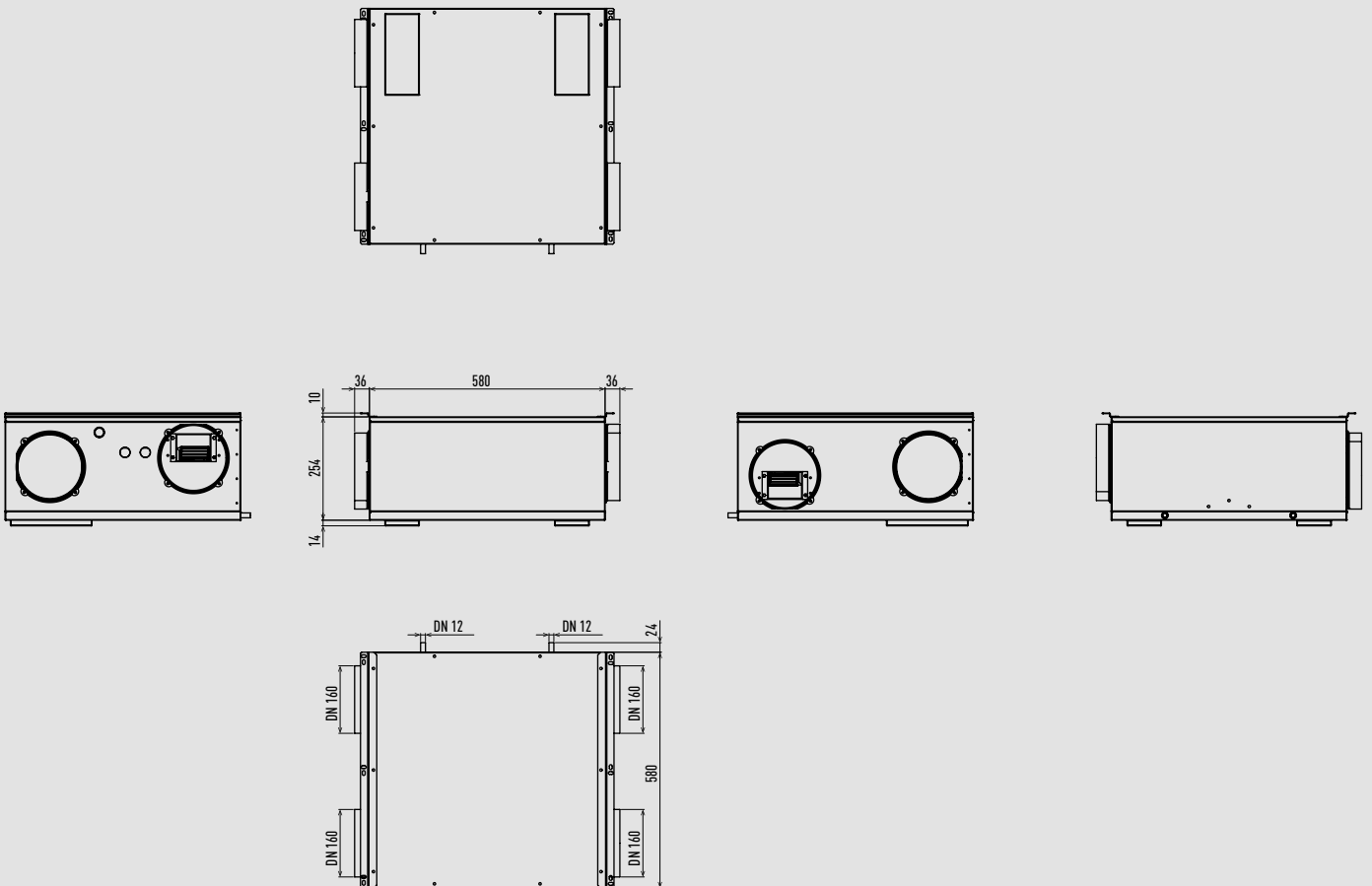
Unit: mm

Heat recovery ventilation unit.



Unit: mm

Counter flow ventilation - PAW-VENTX10Z-1 / PAW-VENTX15Z-1.

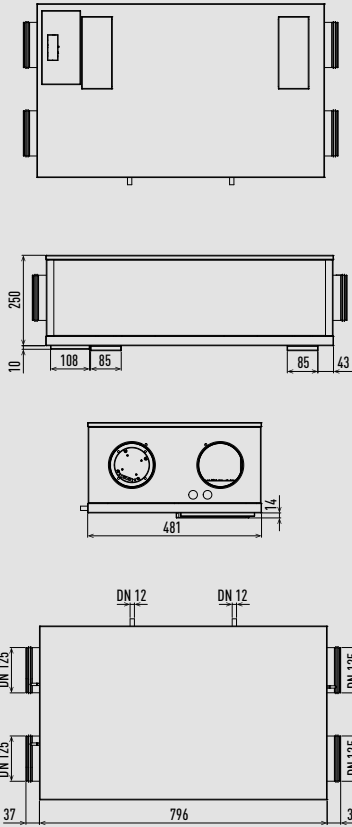


Unit: mm

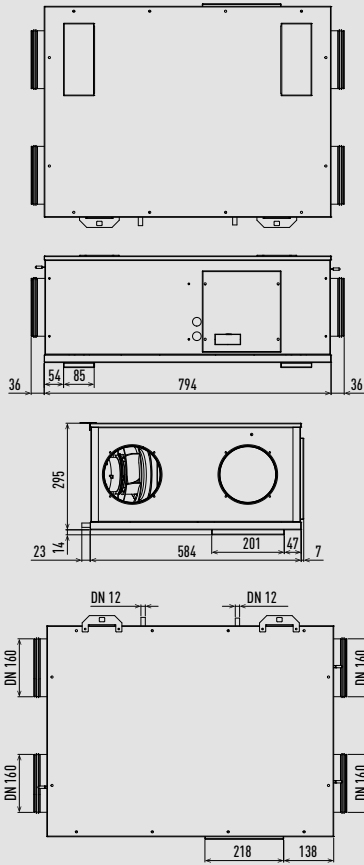


Counter flow ventilation - PAW-VENTX20H-1 / PAW-VENTX30H-1 / PAW-VENTX40H-1.

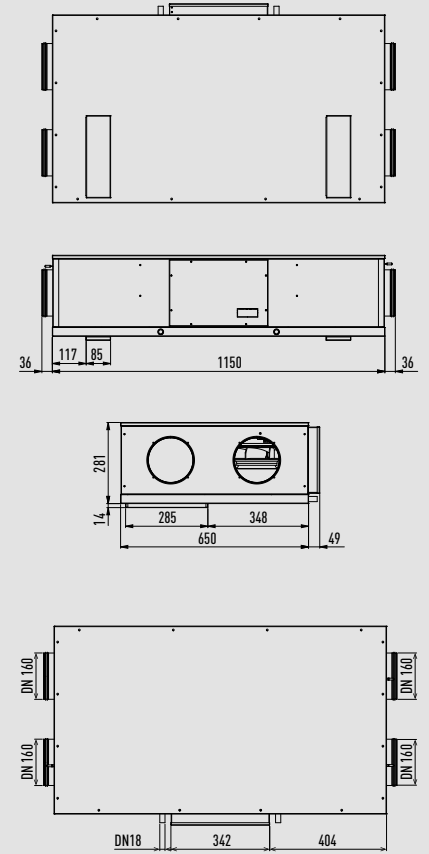
PAW-VENTX20H



PAW-VENTX30H



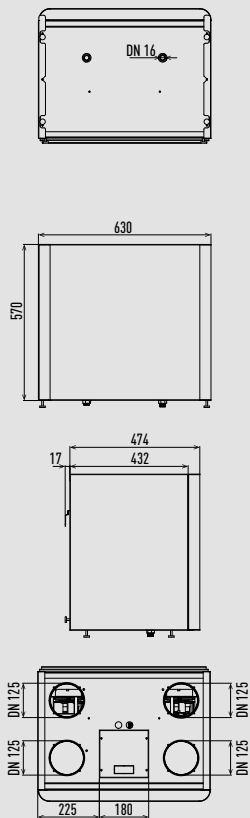
PAW-VENTX40H



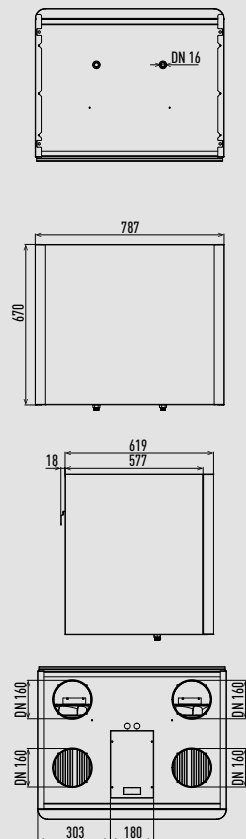
Unit: mm

Counter flow ventilation - PAW-VENTX20V-1 / PAW-VENTX30V-1 / PAW-VENTX40V-1.

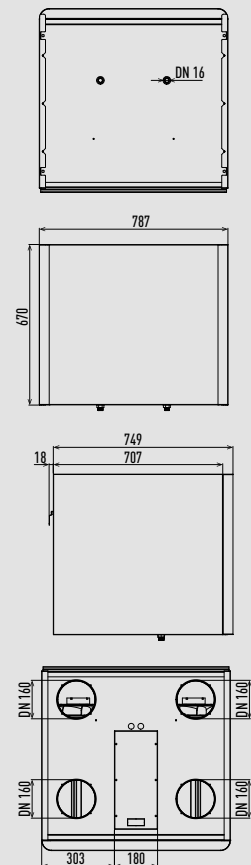
PAW-VENTX20V



PAW-VENTX30V



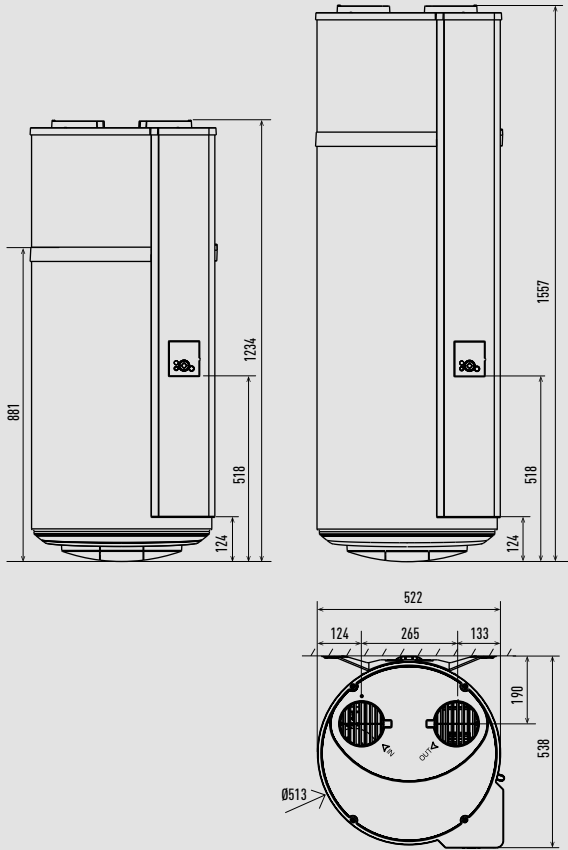
PAW-VENTX40V



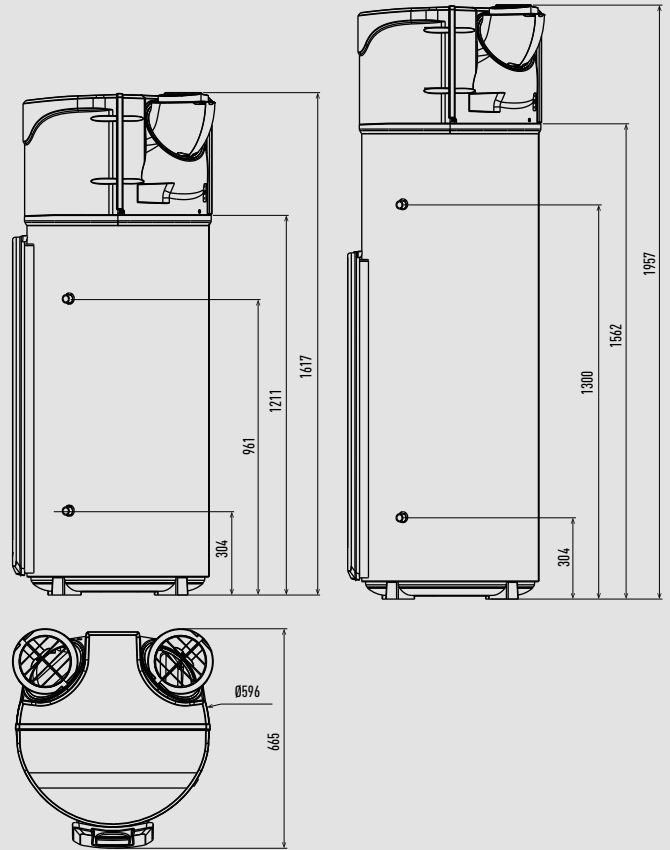
Unit: mm

DHW Stand Alone.

Wall-mounted

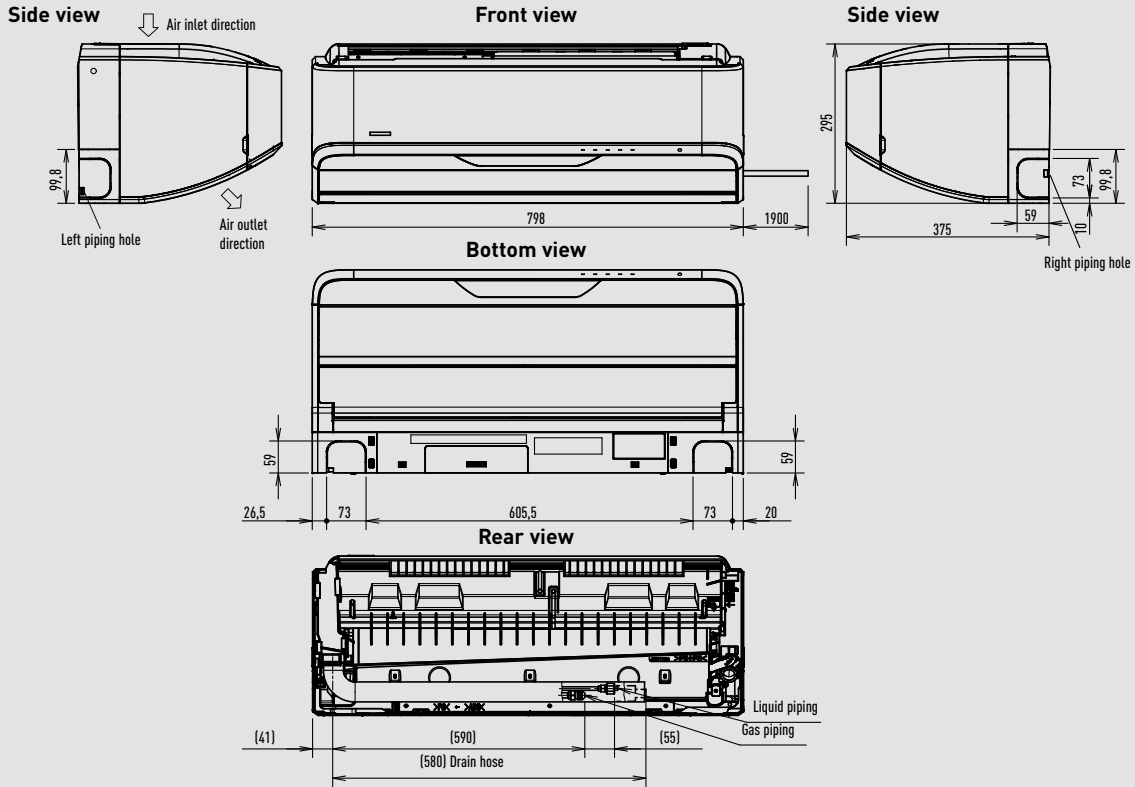


Floor-standing

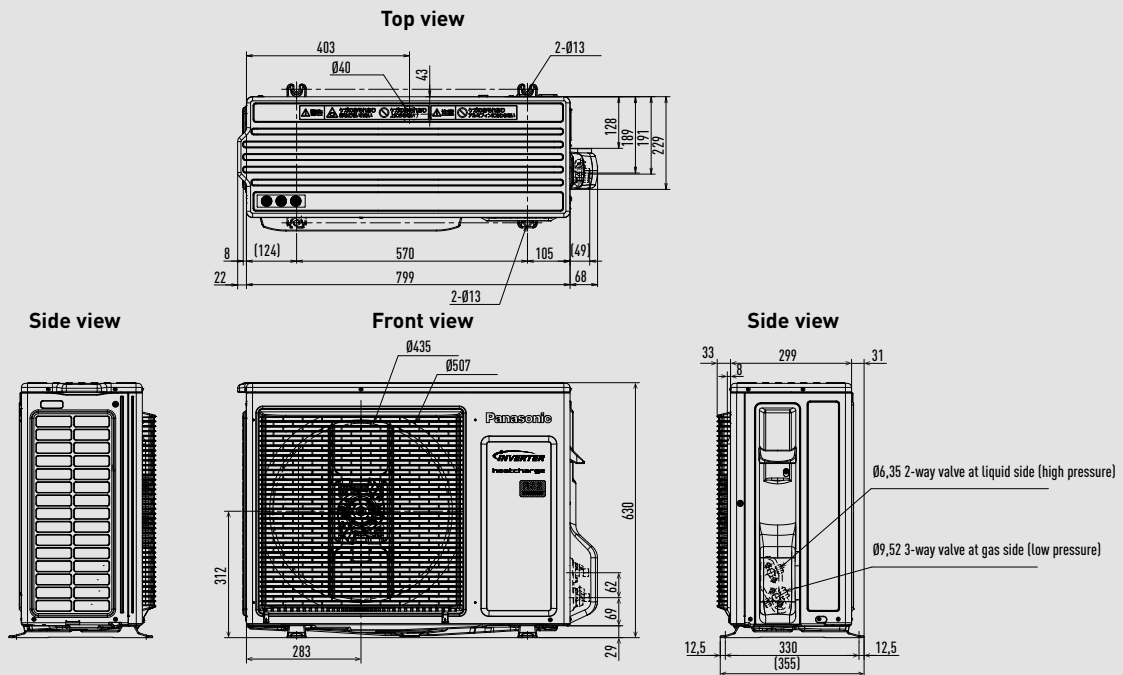
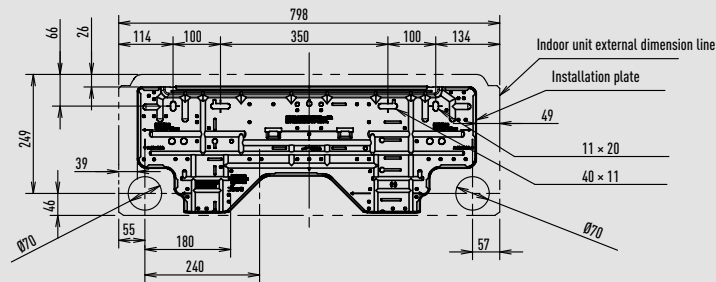


Unit: mm

Wall-mounted Heatcharge VZ.

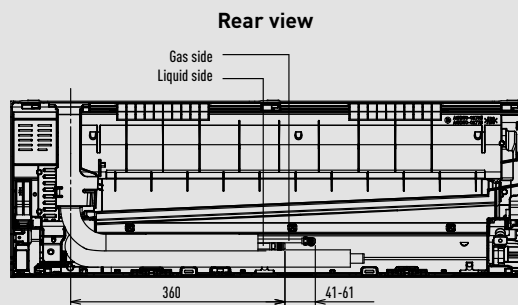
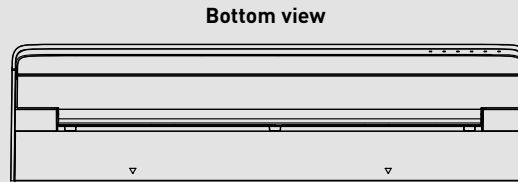
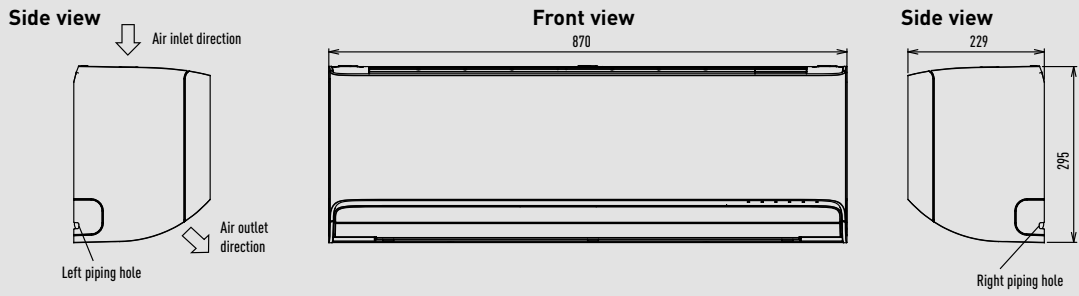


Relative position between the indoor unit and the installation plate

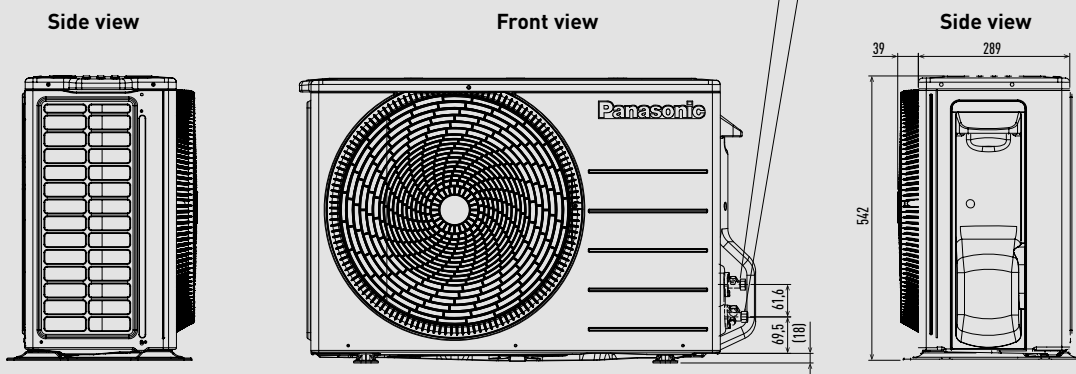
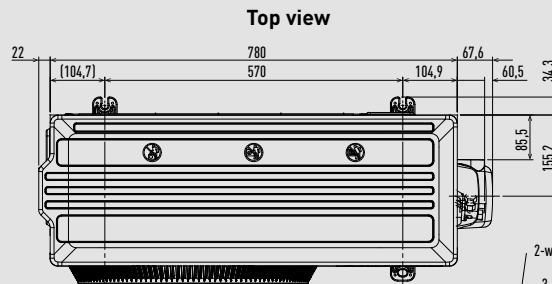
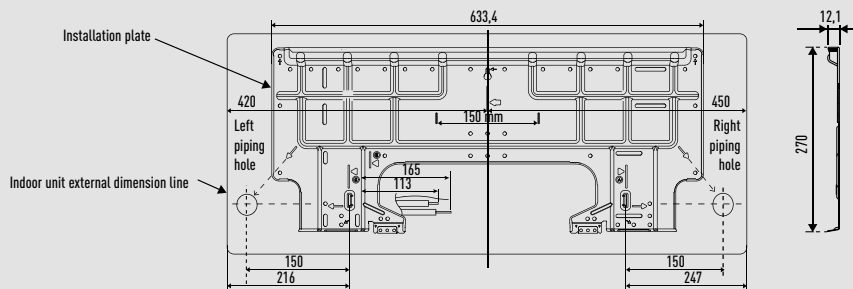


Unit: mm

Wall-mounted Etherea (from 1,6 to 4,2 kW).

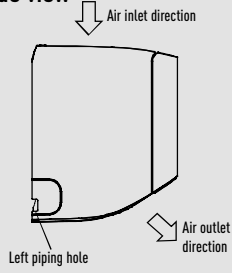


Relative position between the indoor unit and the installation plate

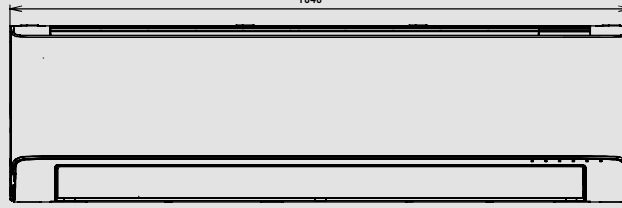


Wall-mounted Etherea (5,0 and 7,1 kW).

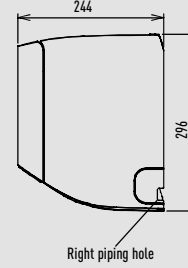
Side view



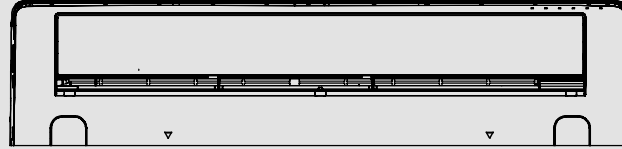
Front view



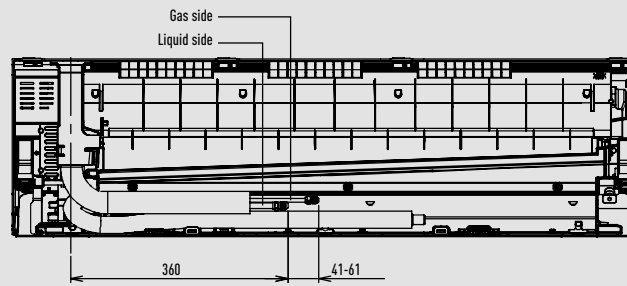
Side view



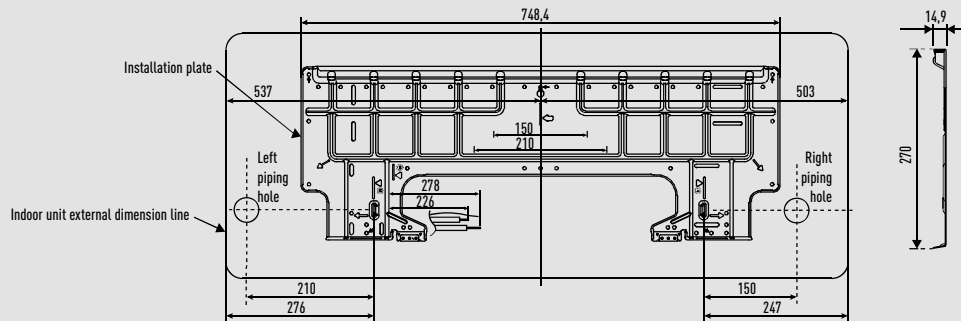
Bottom view



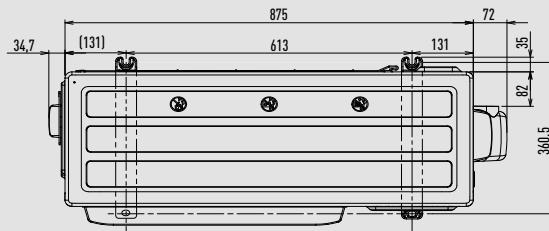
Rear view



Relative position between the indoor unit and the installation plate



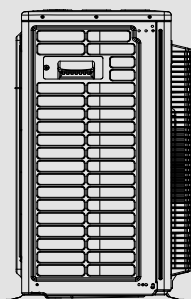
Top view



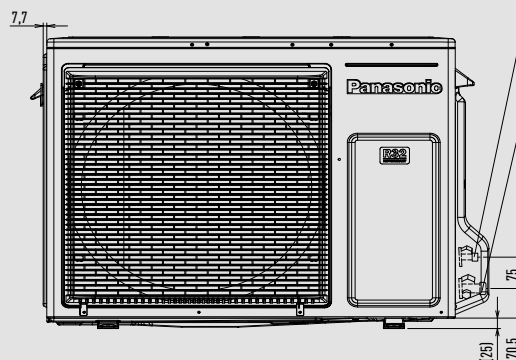
2-way valve at liquid side (high pressure)

3-way valve at gas side (low pressure)

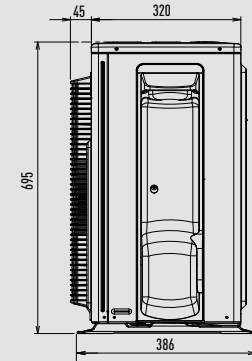
Side view



Front view

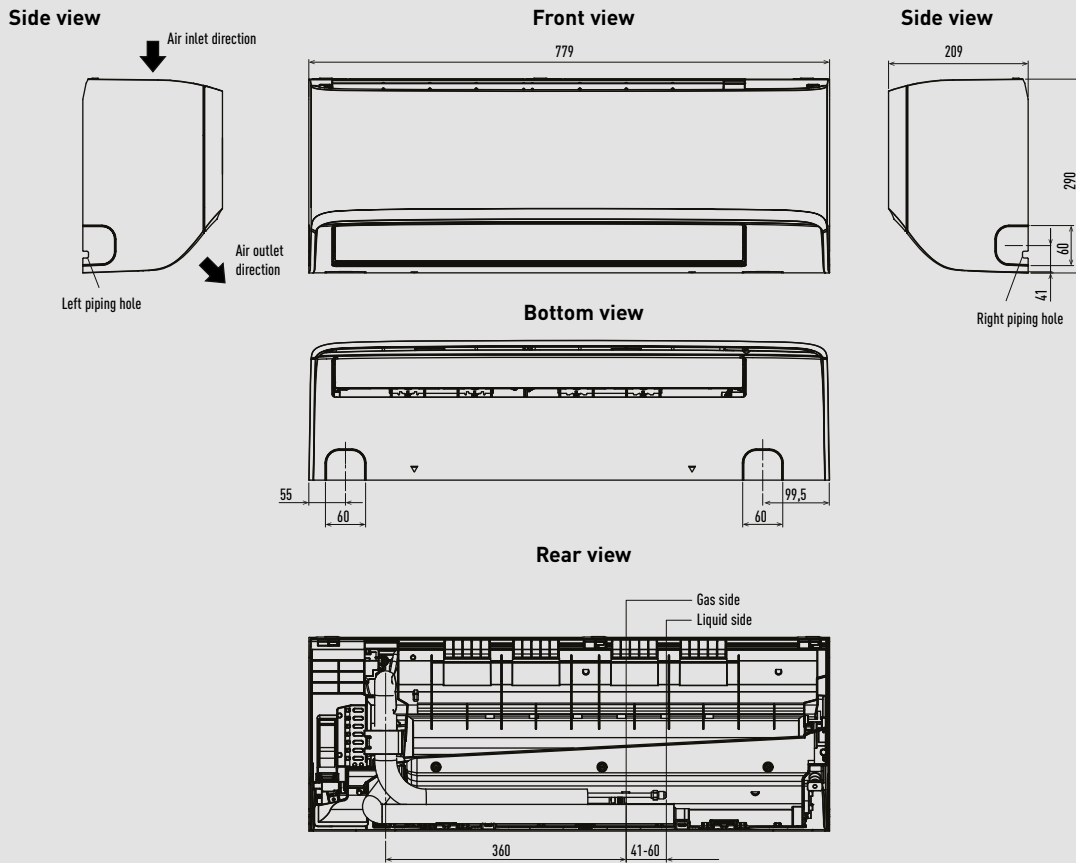


Side view

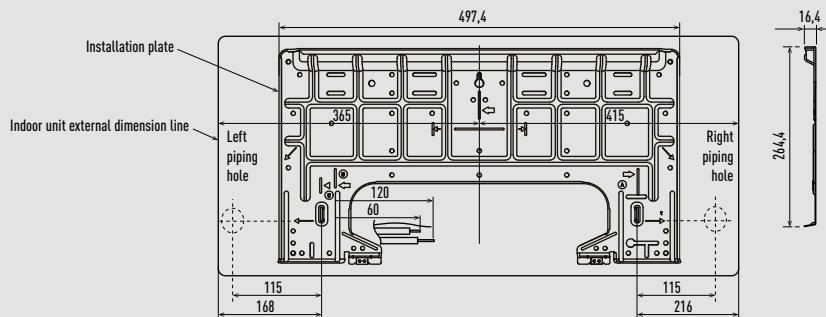


Unit: mm

Wall-mounted TZ super-compact (from 1,6 to 5,0 kW).

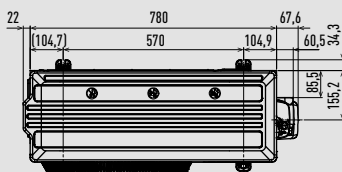


Relative position between the indoor unit and the installation plate

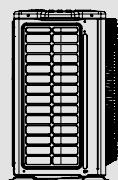


CU-TZ20ZKE / CU-TZ25ZKE / CU-TZ35ZKE / CU-TZ42ZKE

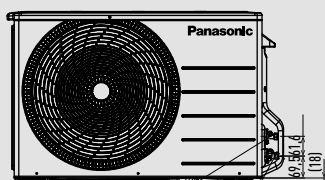
Top view



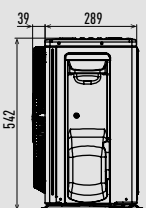
Front view



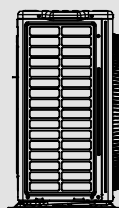
Side view



2-way valve at liquid side (high pressure)  
3-way valve at gas side (low pressure)



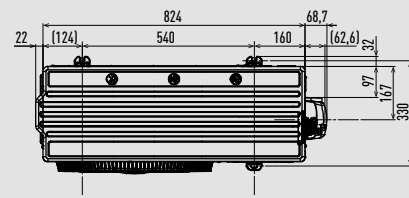
Side view



Side view

CU-TZ50ZKE

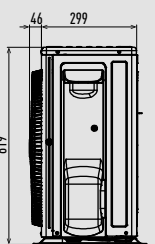
Top view



Front view



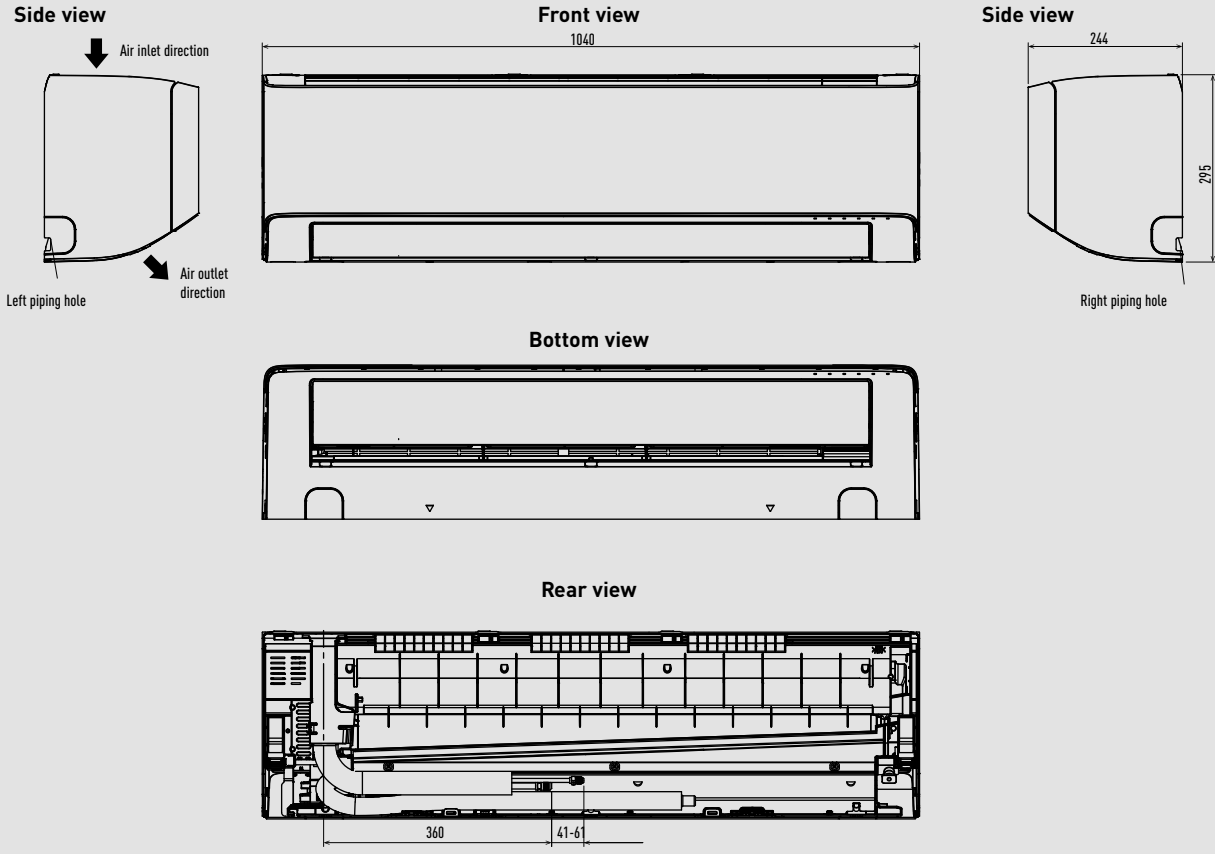
2-way valve at liquid side (high pressure)  
3-way valve at gas side (low pressure)



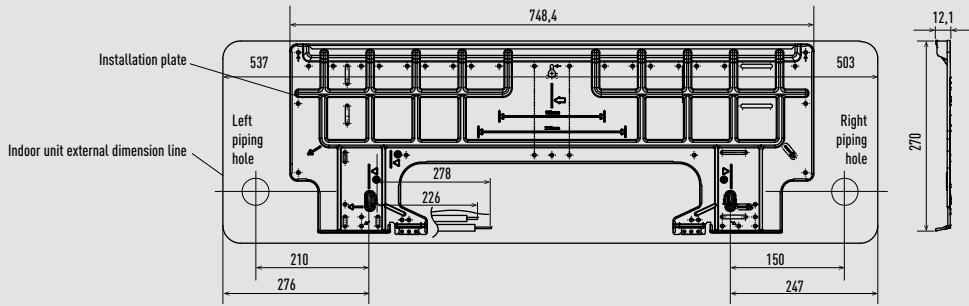
Side view

Unit: mm

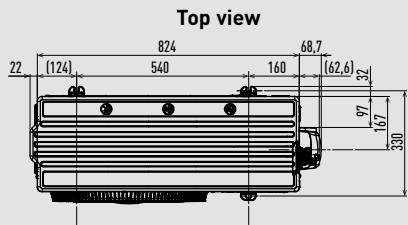
Wall-mounted TZ super-compact (6,0 and 7,1 kW).



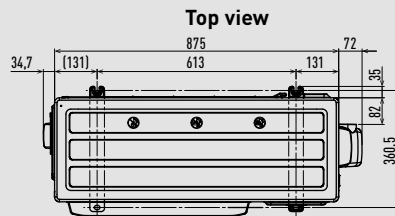
Relative position between the indoor unit and the installation plate



CU-TZ60ZKE



CU-TZ71ZKE



Side view

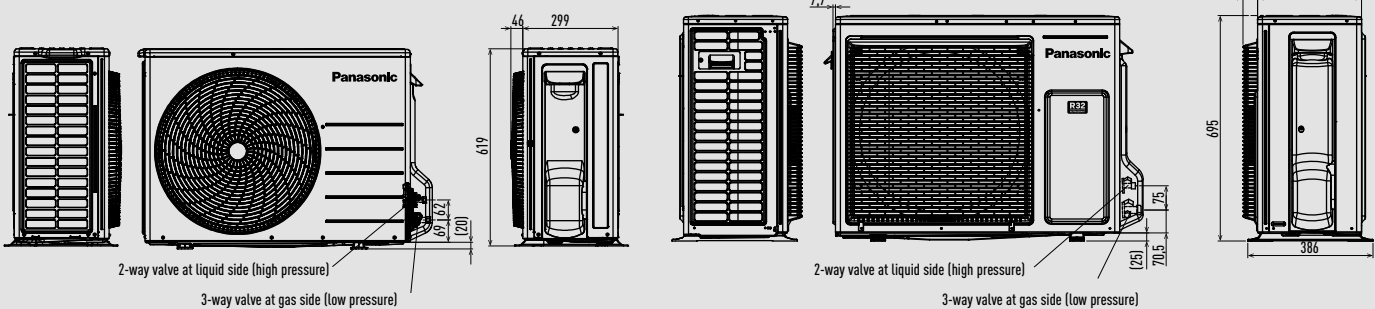
Front view

Side view

Side view

Front view

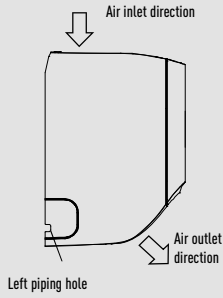
Side view



Unit: mm

Wall-mounted BZ super-compact.

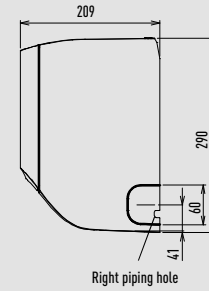
Side view



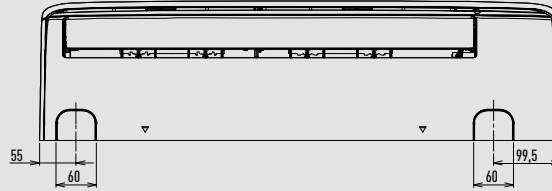
Front view



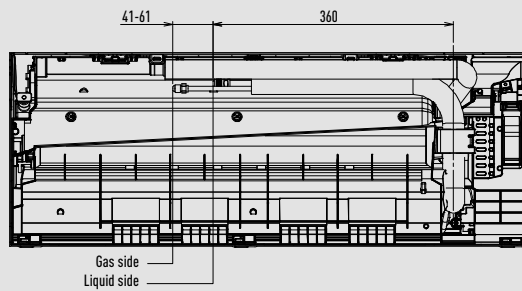
Side view



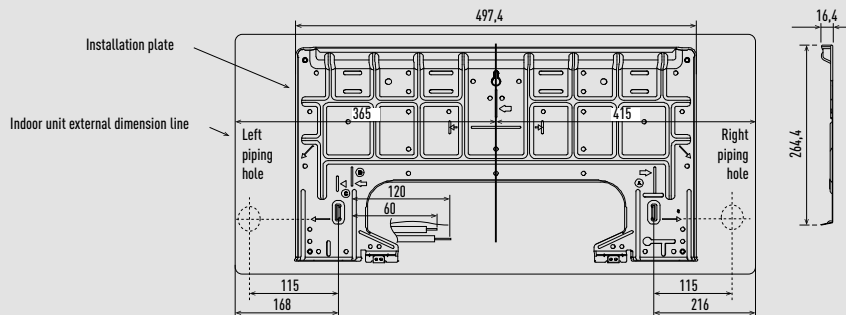
Bottom view



Rear view

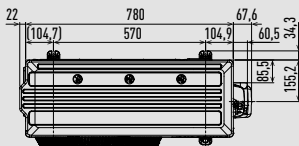


Relative position between the indoor unit and the installation plate



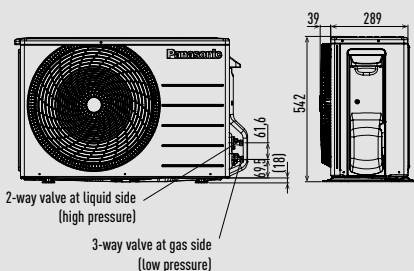
CU-BZ25ZKE / CU-BZ35ZKE

Top view



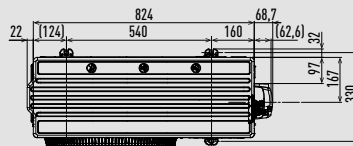
Front view

Side view



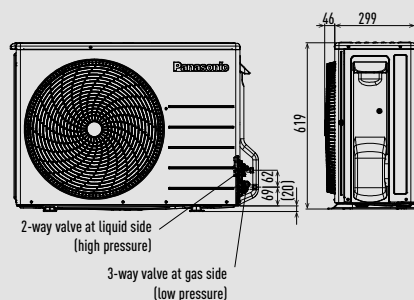
CU-BZ50ZKE

Top view



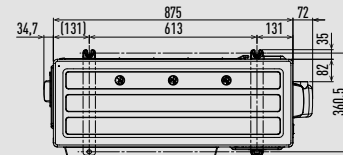
Front view

Side view



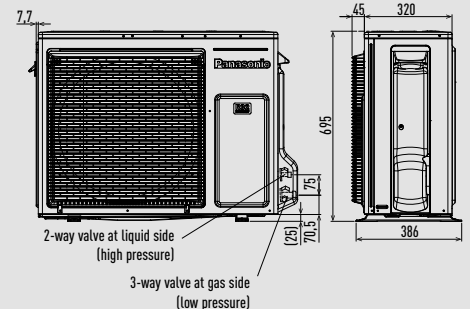
CU-BZ60ZKE

Top view



Front view

Side view

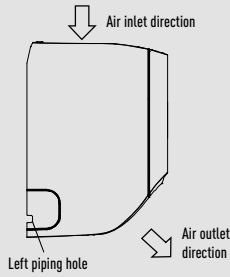


Unit: mm



Wall-mounted UZ super-compact.

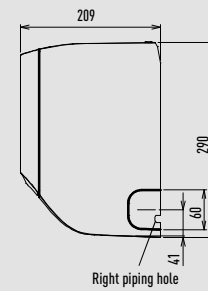
Side view



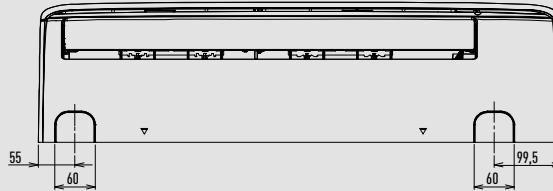
Front view



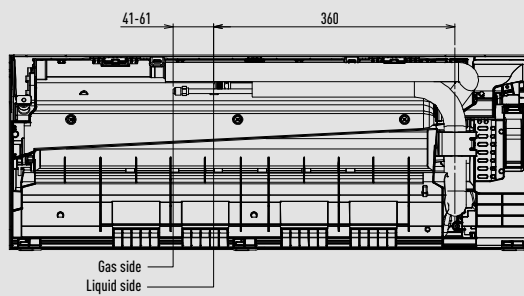
Side view



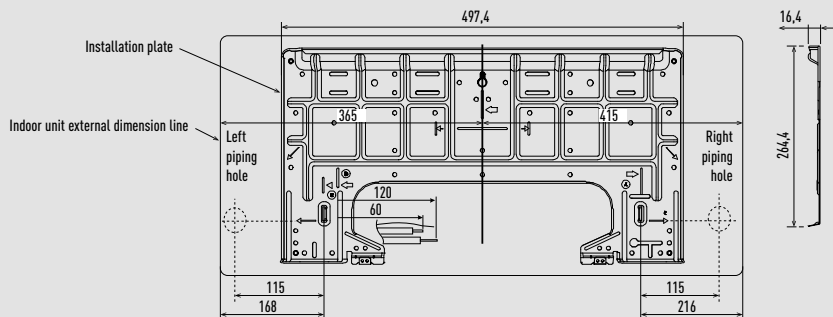
Bottom view



Rear view

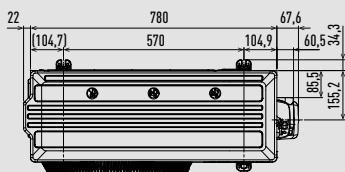


Relative position between the indoor unit and the installation plate



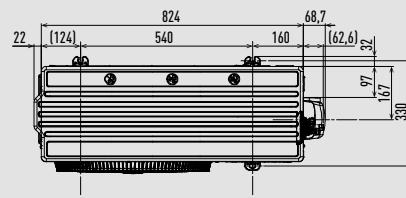
CU-UZ25ZKE / CU-UZ35ZKE

Top view



CU-UZ50ZKE

Top view



Side view

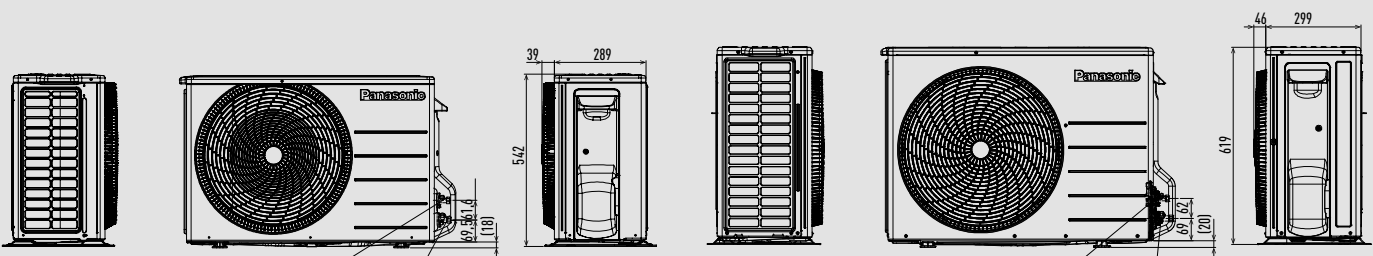
Front view

Side view

Side view

Front view

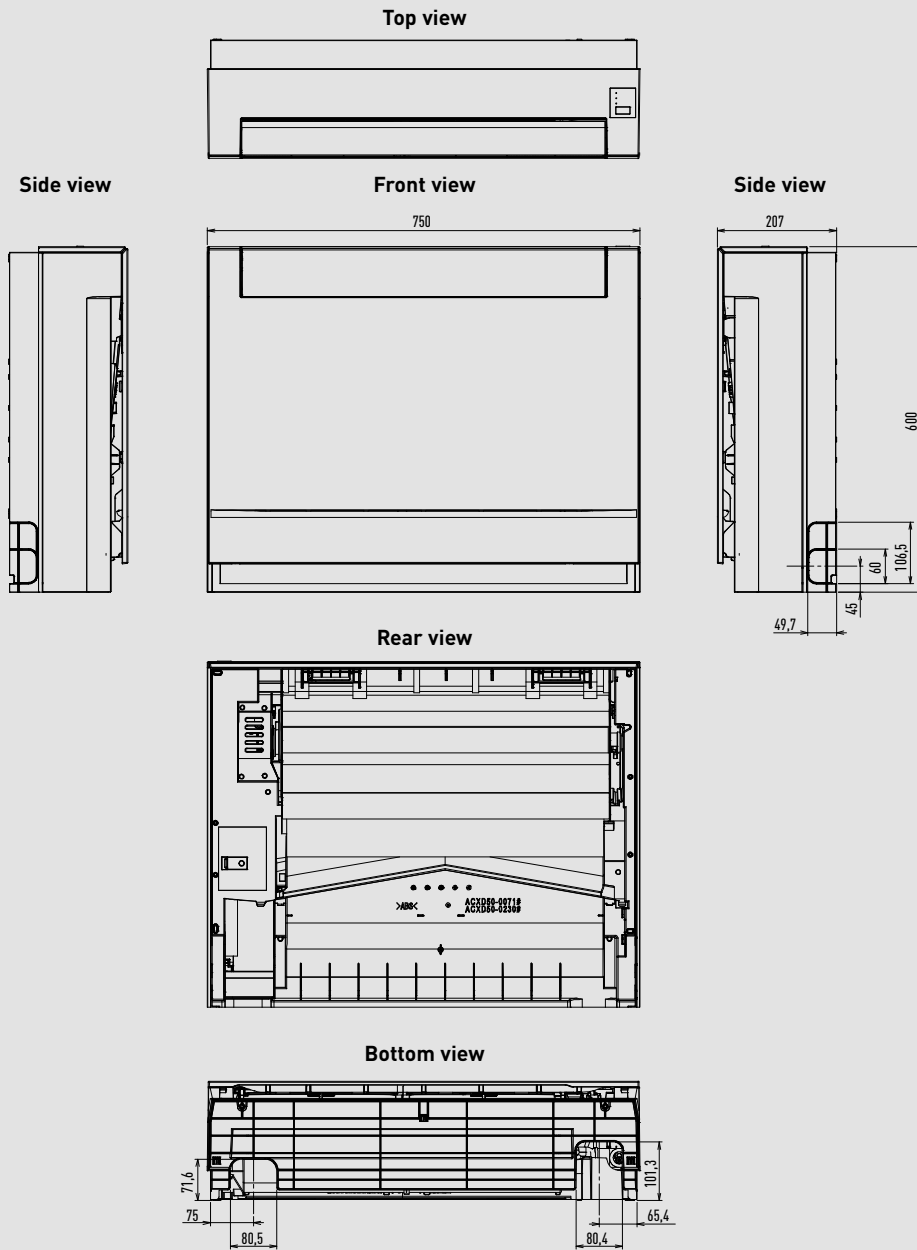
Side view



2-way valve at liquid side (high pressure)  
3-way valve at gas side (low pressure)

2-way valve at liquid side (high pressure)  
3-way valve at gas side (low pressure)

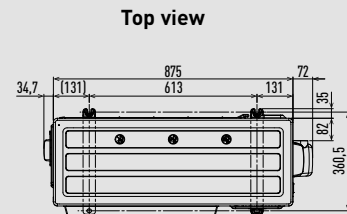
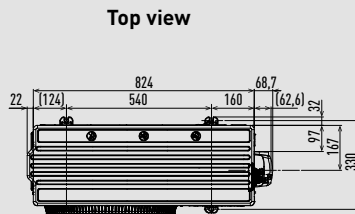
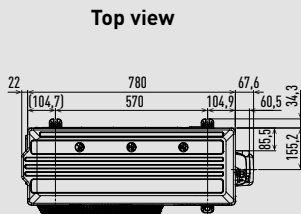
Floor console.



CU-Z25UBEA

CU-Z35UBEA

CU-Z50UBEA



**Front view**

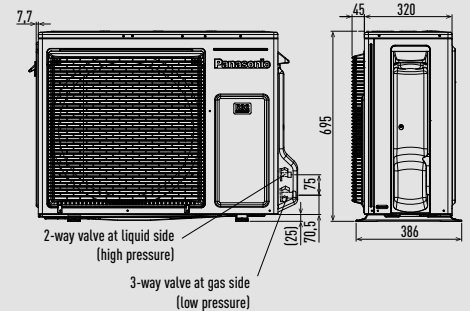
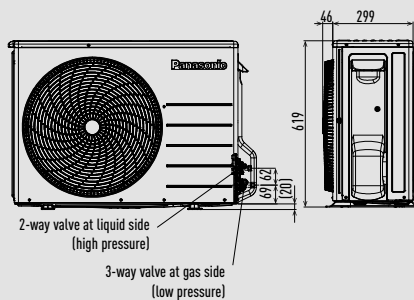
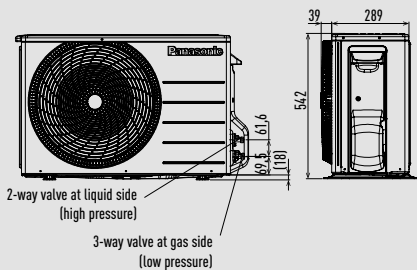
**Side view**

**Front view**

**Side view**

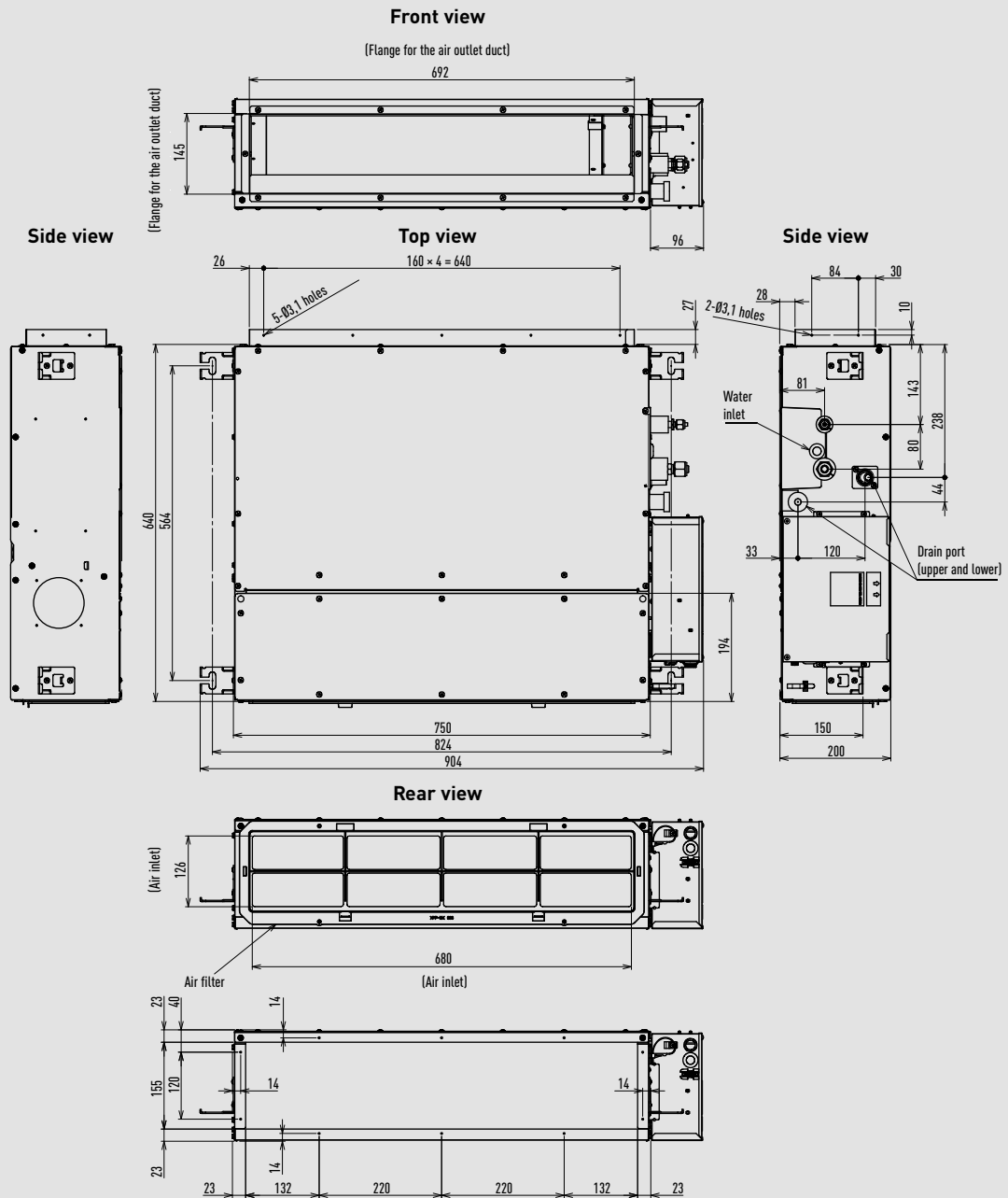
**Front view**

**Side view**



Unit: mm

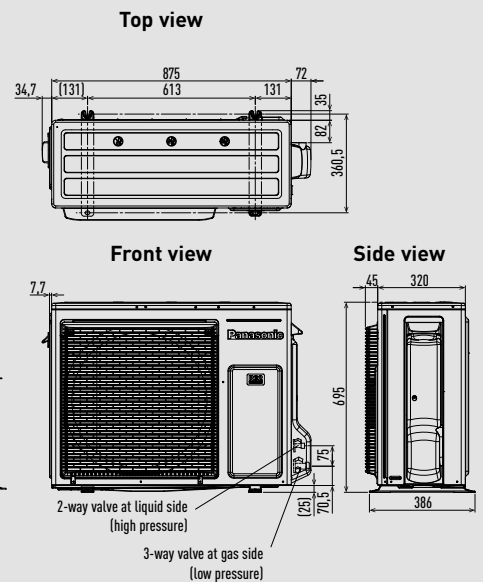
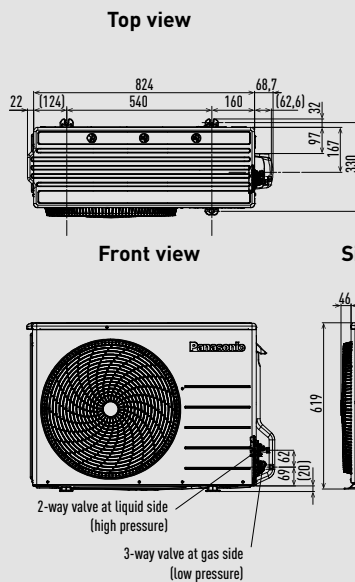
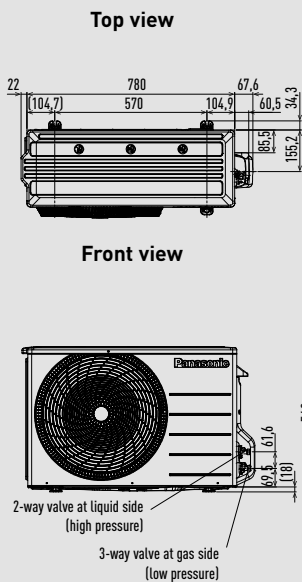
Low static pressure hide-away.



CU-Z25UBEA

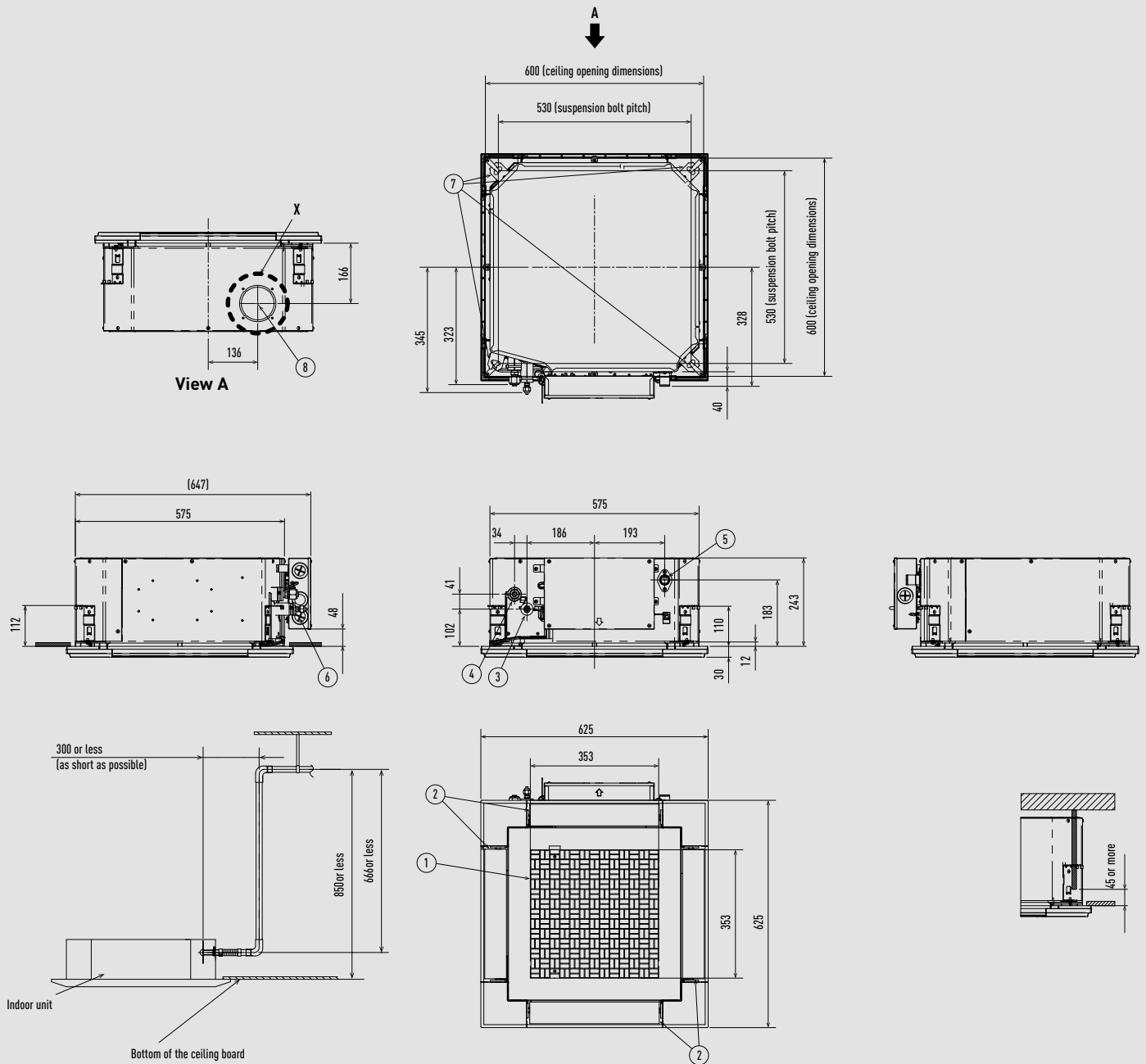
CU-Z35UBEA

CU-Z50UBEA / CU-Z60UBEA



Unit: mm

Indoor unit Free Multi system Z - 4 Way 60x60 cassette.

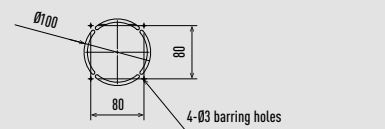


\* Length of supplied drain piping= 250 mm.

Type	20-50	60
1 Air inlet		
2 Air outlet		
3 Refrigerant piping (liquid)	Ø6,35 (flared)	Ø9,52 (flared)
4 Refrigerant piping (gas)	Ø12,70 (flared)	Ø15,88 (flared)
5 Drain piping connection port VP20		
6 Power supply port		
7 Suspension bolt hole [4-11x26 slot]		
8 Fresh air inlet duct connection port [Ø100] <sup>1)</sup>		

1) Necessary to attach duct connecting flange (field supply).

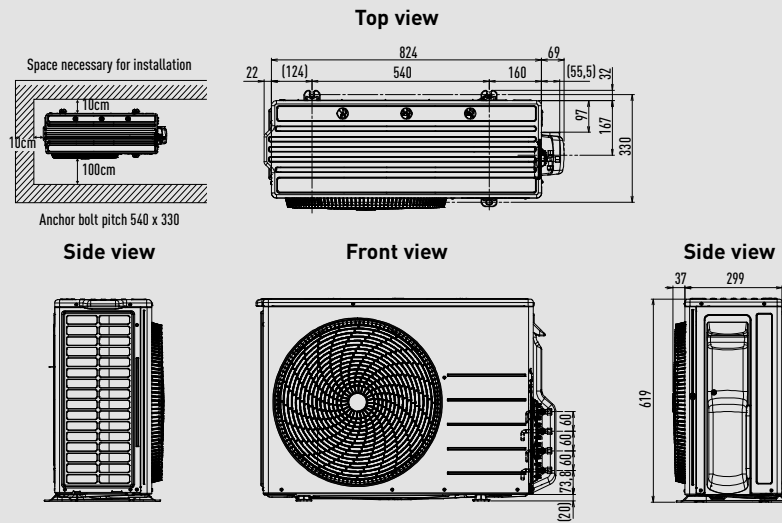
Filter dimension: 362 x 362 x 15 mm.



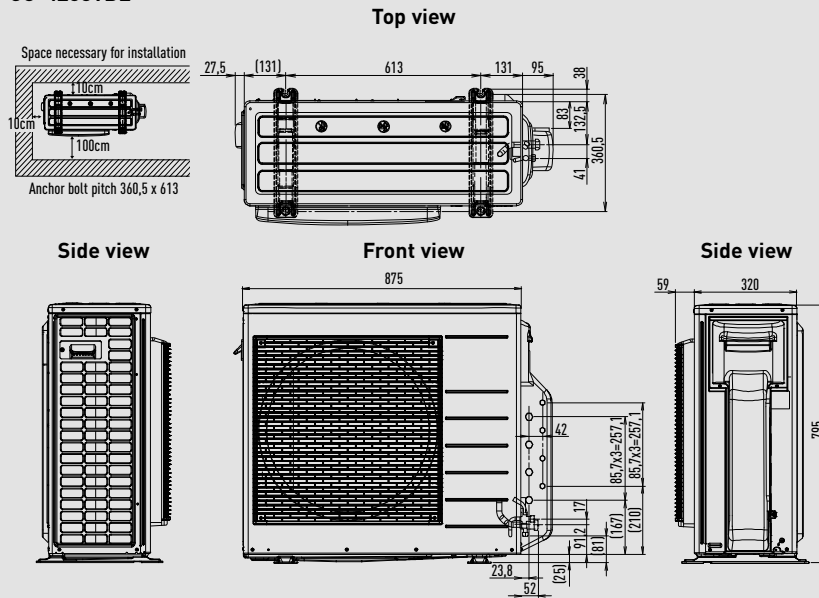
Detailed view X

Outdoor units Free Multi System Z.

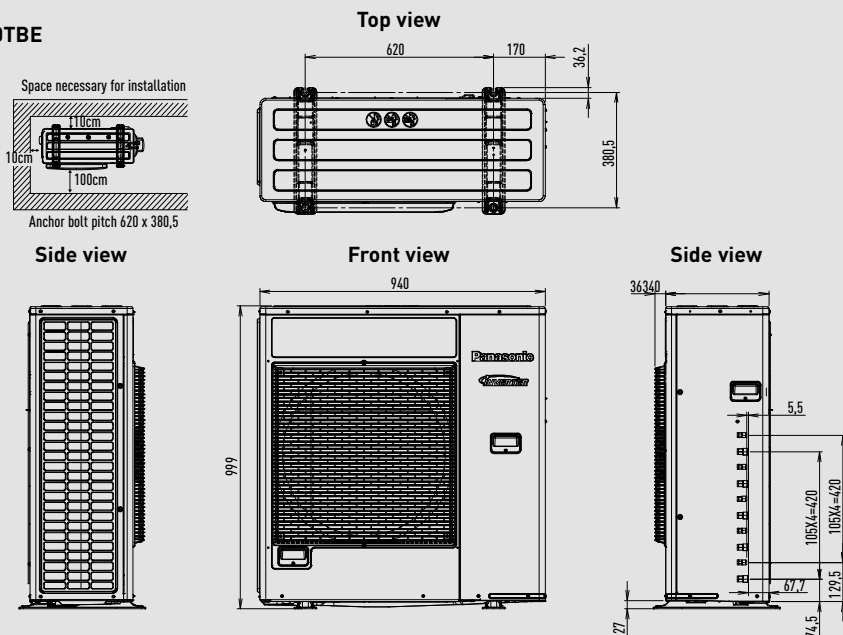
CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE



CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE



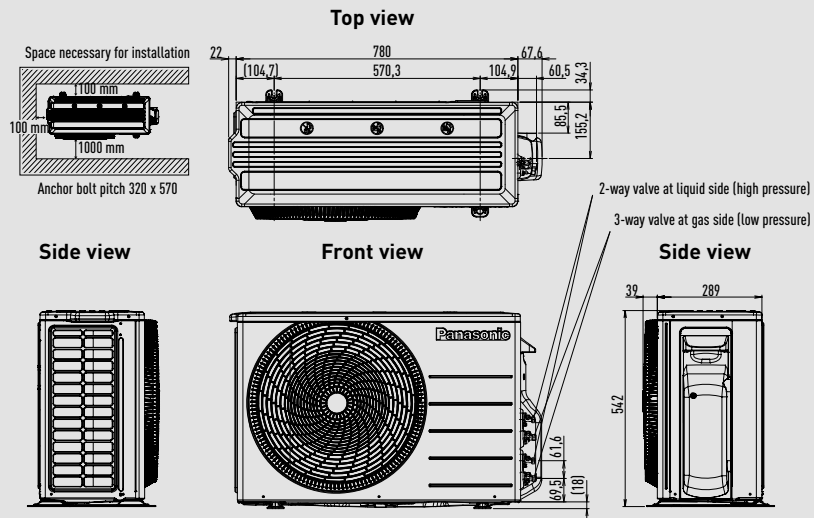
CU-4Z80TBE / CU-5Z90TBE



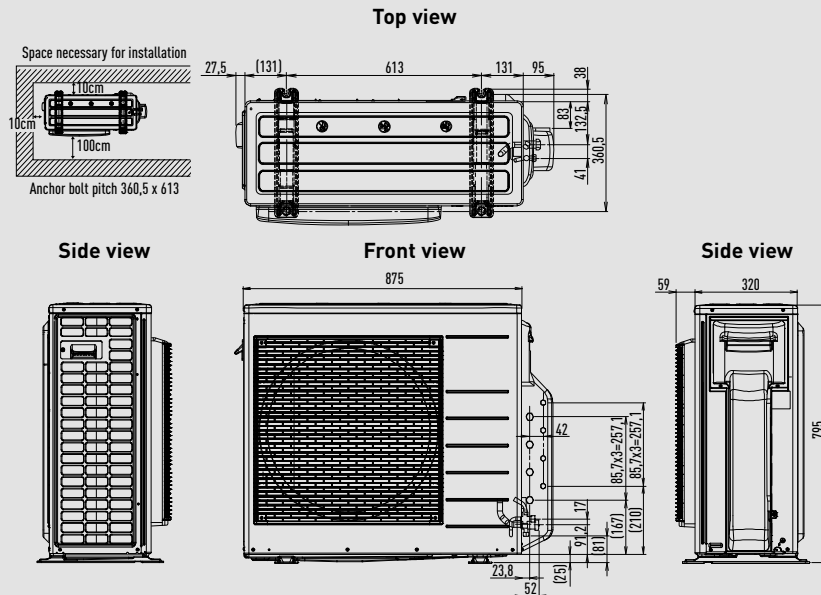
Unit: mm

Outdoor units Multi Wall TZ.

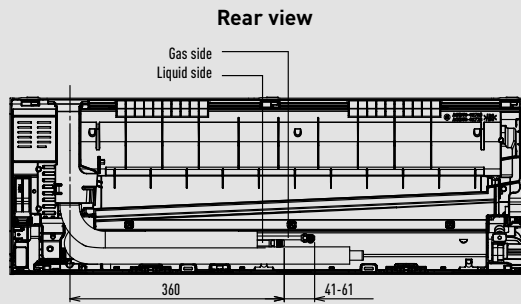
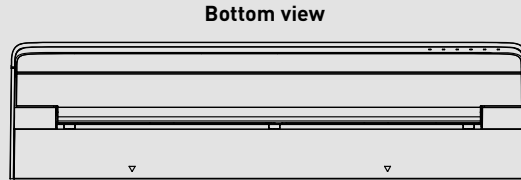
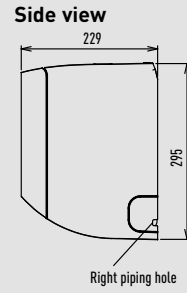
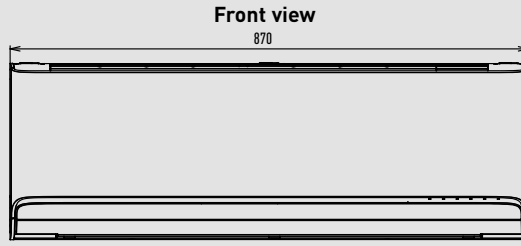
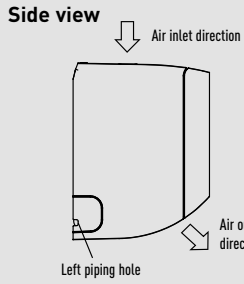
CU-2TZ41TBE / CU-2TZ50TBE



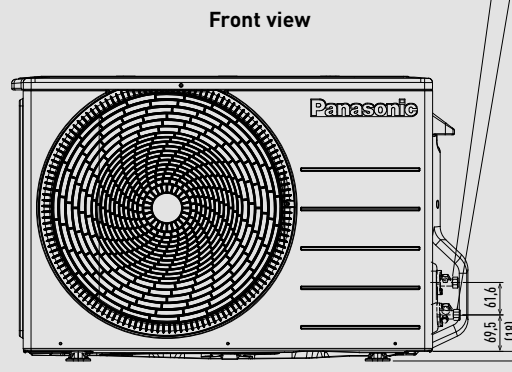
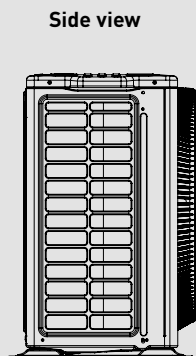
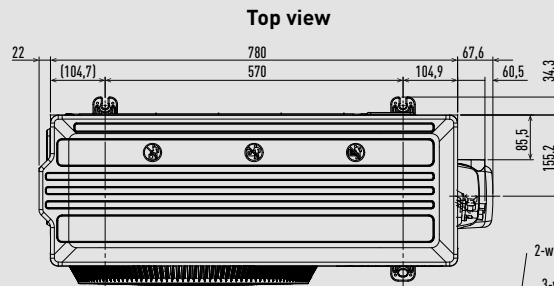
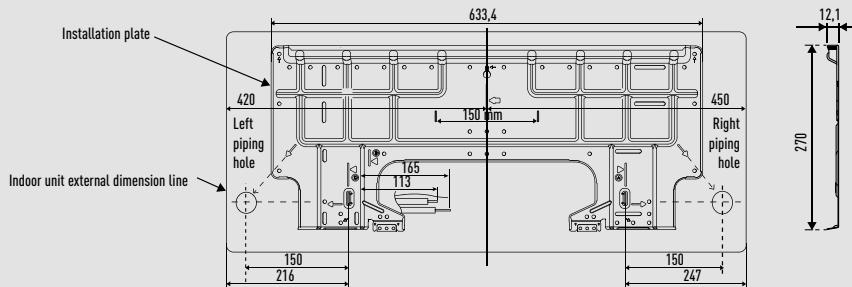
CU-3TZ52TBE



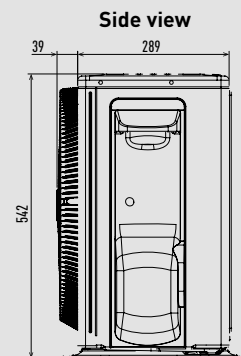
Wall-mounted Professional (from 2,5 to 4,2 kW).



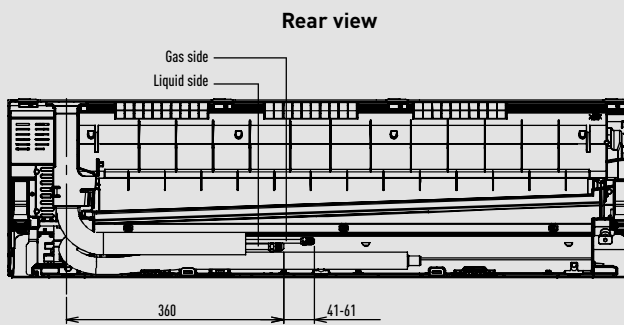
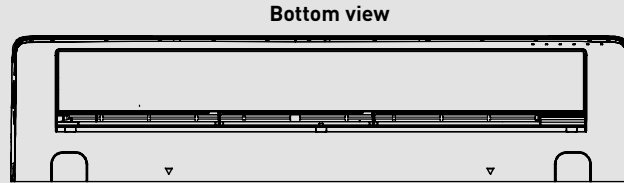
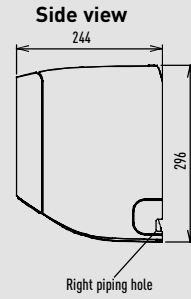
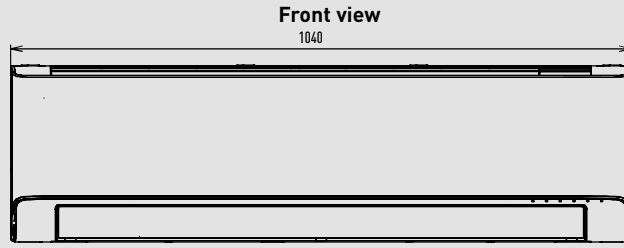
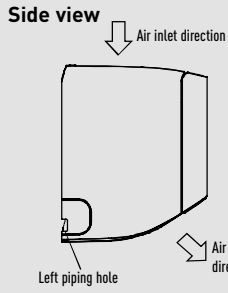
Relative position between the indoor unit and the installation plate



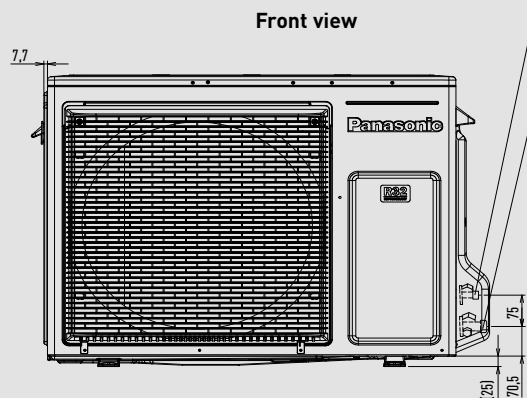
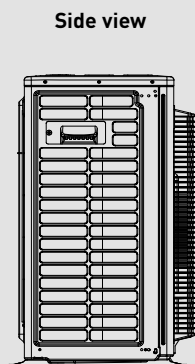
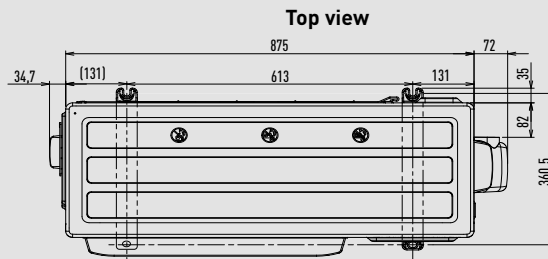
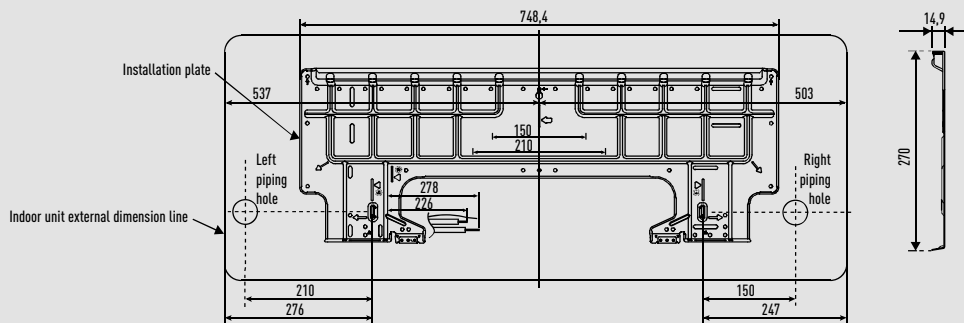
2-way valve at liquid side (high pressure)  
3-way valve at gas side (low pressure)



Wall-mounted Professional (5,0 and 7,1 kW).

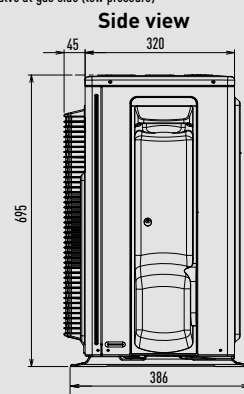


Relative position between the indoor unit and the installation plate



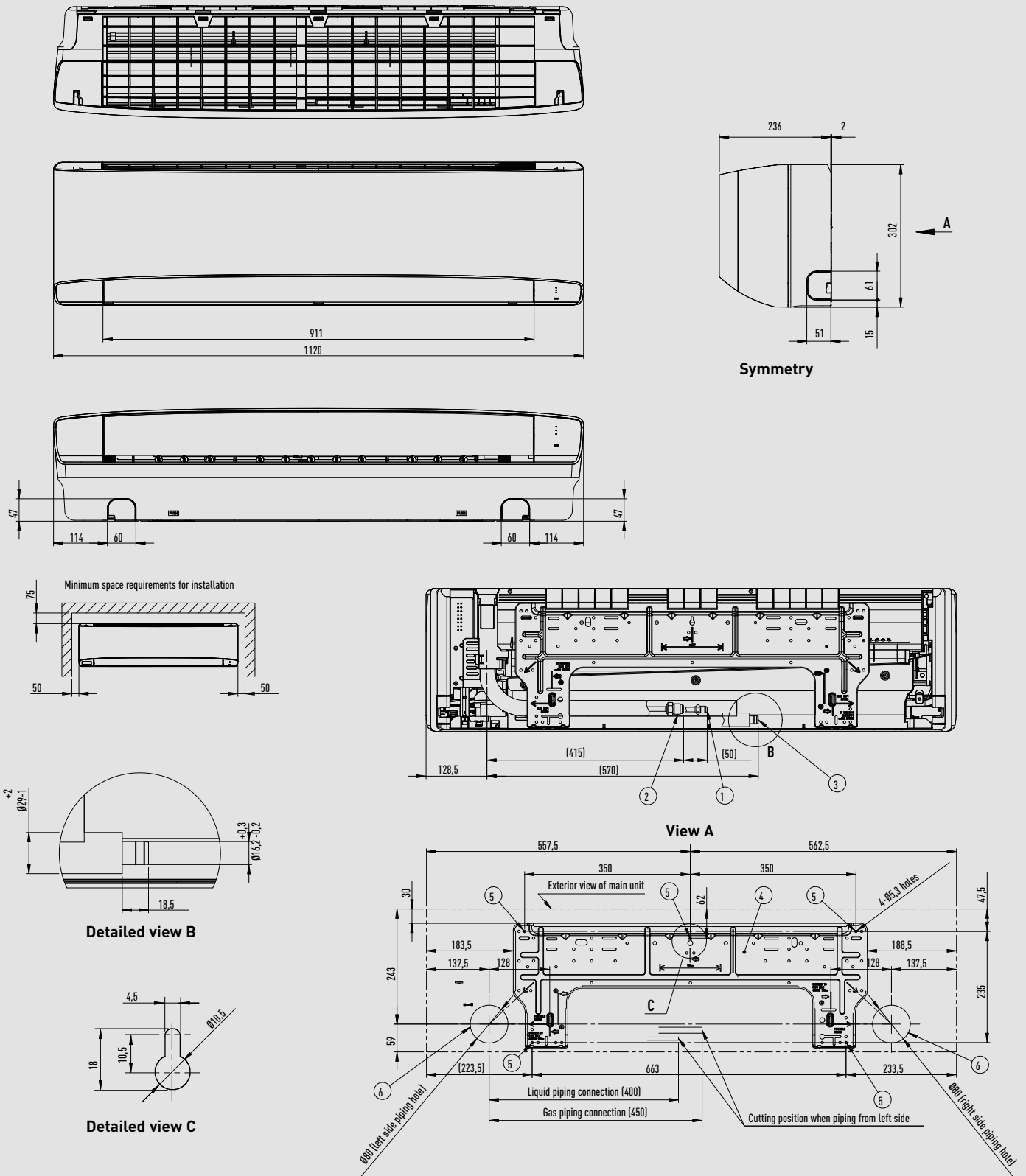
2-way valve at liquid side (high pressure)

3-way valve at gas side (low pressure)





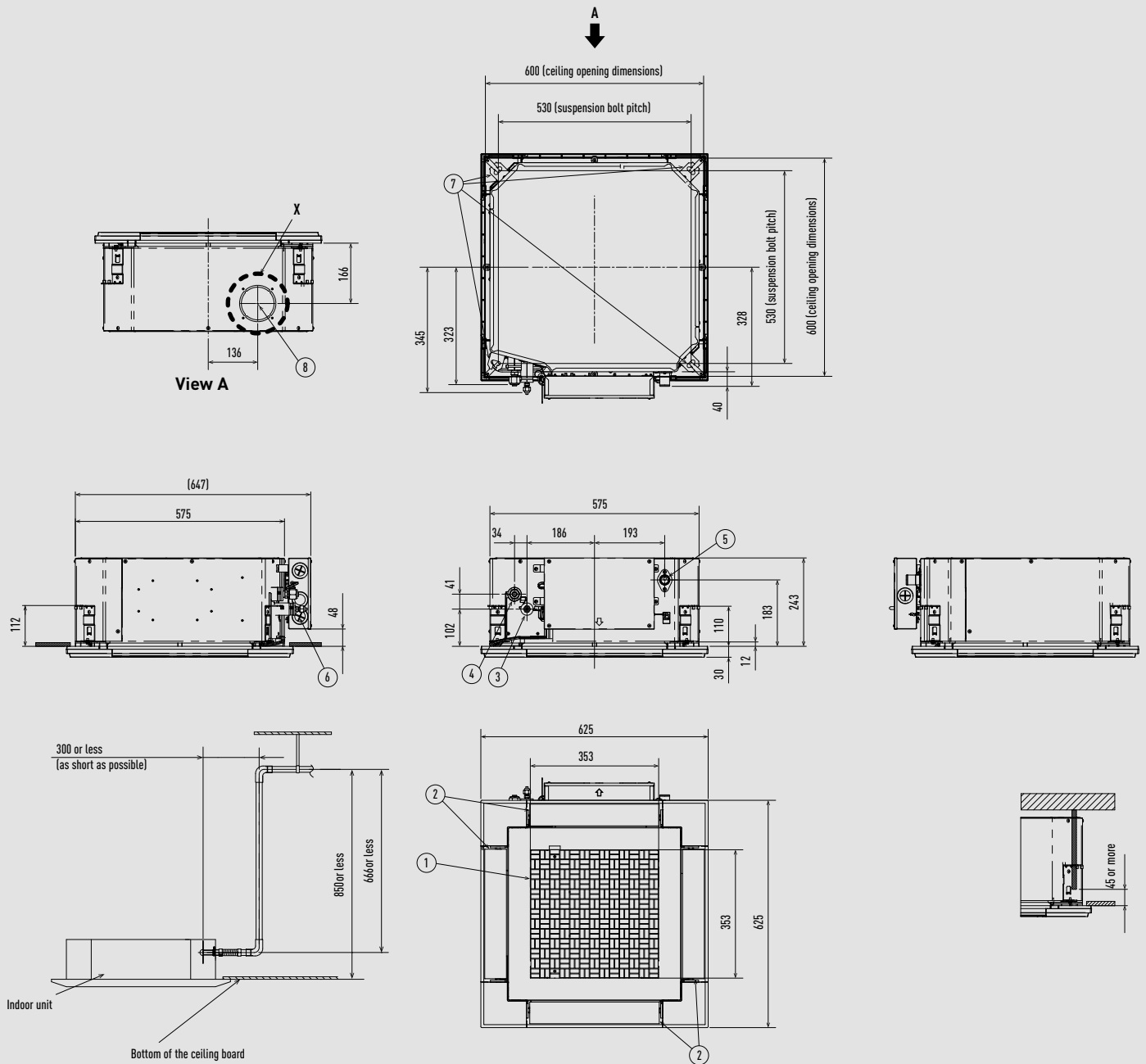
PACi NX Series wall-mounted.



Type	S-3650PK4E	S-6010PK4E
1 Refrigerant piping (liquid)	Ø6,35 (flared)	Ø9,52 (flared) <sup>1)</sup>
2 Refrigerant piping (gas)	Ø12,70 (flared)	60: Ø15,88 (flared) <sup>2)</sup> 71: Ø15,88 (flared) 100: Ø15,88 (flared)
3	Drain hose	
4	Rear panel	
5	Rear panel fixing holes (Ø5,3 holes or as shown in figure "C")	
6	Piping and wiring holes (Ø80)	

1) When connecting with U-60PZ3E5, U-71PZ3E5 or U-60PZH3E5, connect the liquid socket piping (Ø9,52 - Ø6,35) to the liquid piping side indoor unit.  
 2) When connecting with U-60PZ3E5 or U-60PZH3E5, connect the gas socket piping (Ø15,88 - Ø12,7) to the gas piping side indoor unit.

PACi NX Series 4 way 60x60 cassette.

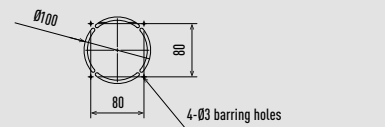


\* Length of supplied drain piping= 250 mm.

Type	25-50	60
1 Air inlet		
2 Air outlet		
3 Refrigerant piping (liquid)	Ø6,35 (flared)	Ø9,52 (flared) <sup>1)</sup>
4 Refrigerant piping (gas)	Ø12,70 (flared)	Ø15,88 (flared) <sup>2)</sup>
5 Drain piping connection port VP20		
6 Power supply port		
7 Suspension bolt hole [4-11x26 slot]		
8 Fresh air inlet duct connection port [Ø100] <sup>3)</sup>		

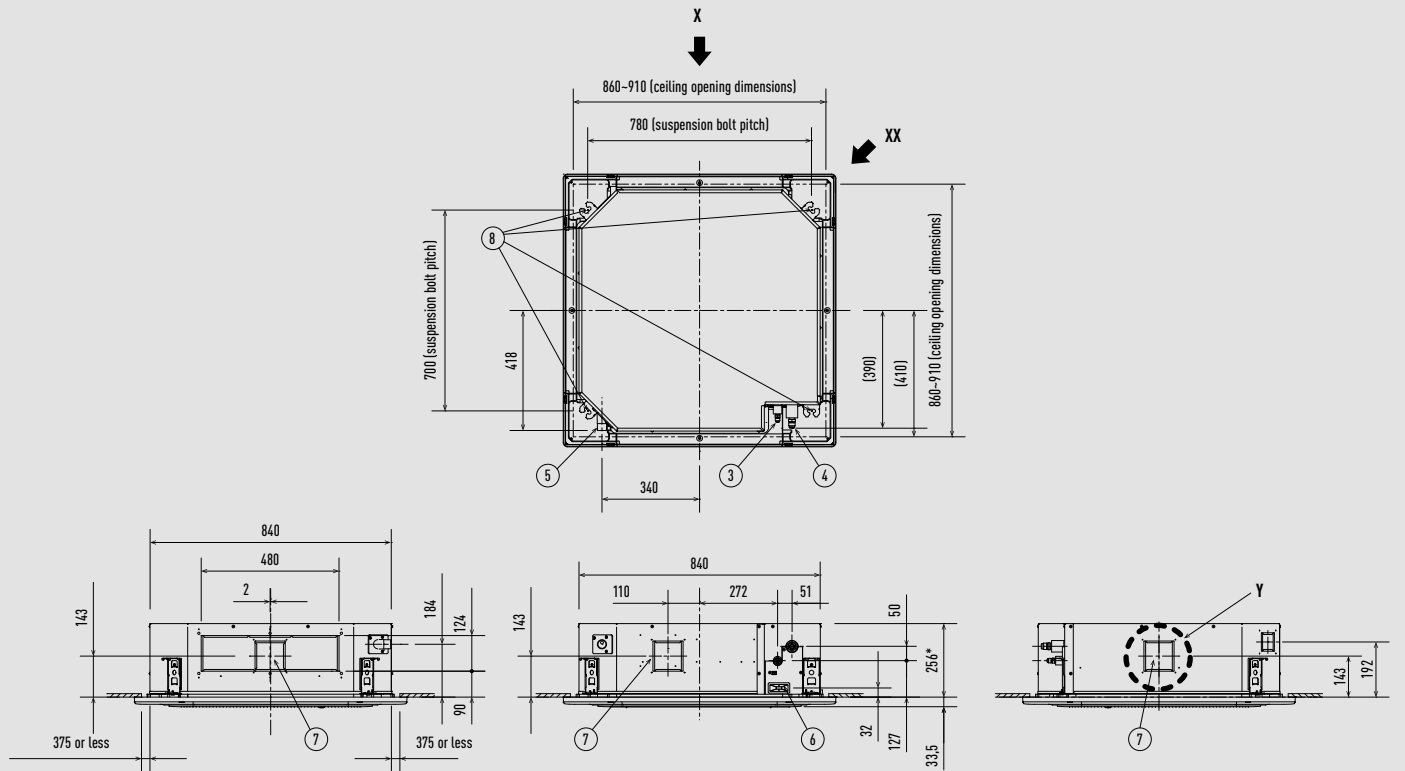
1) When connecting with U-60PZ3E5A or U-60PZH3E5, connect the liquid socket piping (Ø9,52-Ø6,35) to the liquid piping side indoor unit.  
 2) When connecting with U-60PZ3E5A or U-60PZH3E5, connect the gas socket piping (Ø15,88-Ø12,70) to the gas piping side indoor unit.  
 3) Necessary to attach duct connecting flange (field supply).

Filter dimension: 362 x 362 x 15 mm.

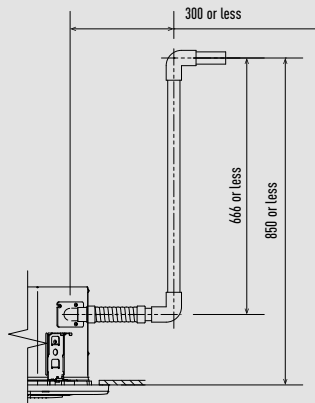


Detailed view X

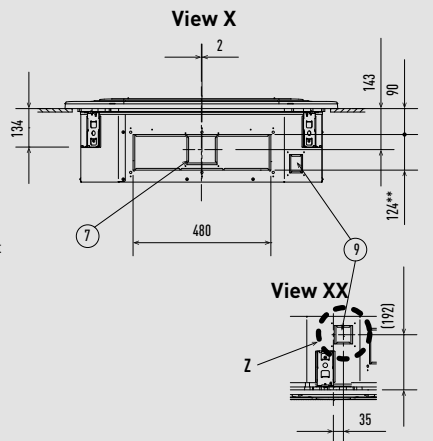
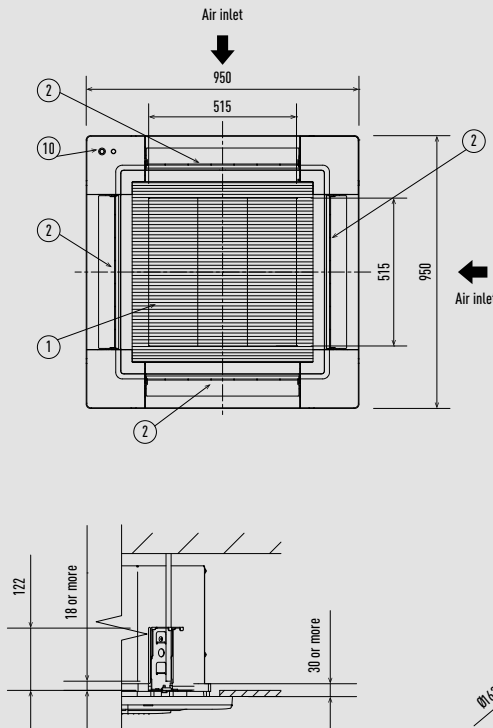
PACi NX Series 4 way 90x90 cassette.



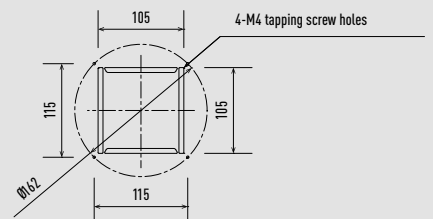
Raise dimension of drain piping



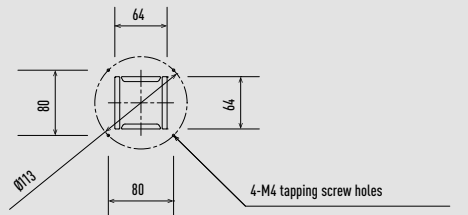
The length of the suspension bolts should be selected so that there is a gap of 30 mm or more below the lower surface of the ceiling (18 mm or more below the lower surface of the main unit), as shown in the figure at right. If the suspension bolt is too long, it will contact the ceiling panel and the unit cannot be installed.



Detailed view Y



Detailed view Z



Type	S-3650PU3E	S-6071PU3E	S-1014PU3E
1 Air inlet			
2 Air outlet			
3 Refrigerant piping (liquid)	Ø6,35 (flared)	Ø9,52 (flared) <sup>1)</sup>	Ø9,52 (flared)
4 Refrigerant piping (gas)	Ø12,70 (flared)	60: Ø15,88 (flared) <sup>2)</sup> 71: Ø15,88 (flared)	Ø15,88 (flared)
5 Drain piping connection port VP25		Outer diameter 32 mm	
6 Power supply port			
7 Suspension bolt hole		4-12x30 elongated hole	
8 Fresh air inlet duct connection port		Ø100 <sup>3)</sup>	
9 Suspension bolt hole		4-12x30 elongated hole	
10 Econavi sensor (only CZ-KPU3A or CZ-KPU3AW)			

1) When connecting with U-60PZ3E5, U-71PZ3E5 or U-60PZH3E5, connect the liquid socket piping (Ø9,52 - Ø6,35) to the liquid piping side indoor unit.

2) When connecting with U-60PZ3E5 or U-60PZH3E5, connect the gas socket piping (Ø15,88 - Ø12,7) to the gas piping side indoor unit.

3) Necessary to attach duct connecting flange (field supply).

Filter dimension: 520 x 520 x 15 mm.

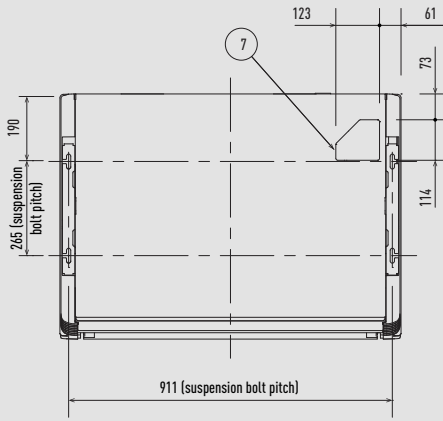
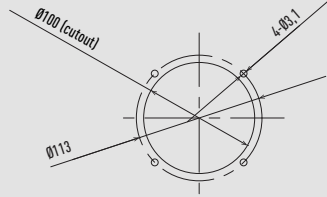
\* 319 mm for S-1014PU3E.

\*\* 187 mm for S-1014PU3E.

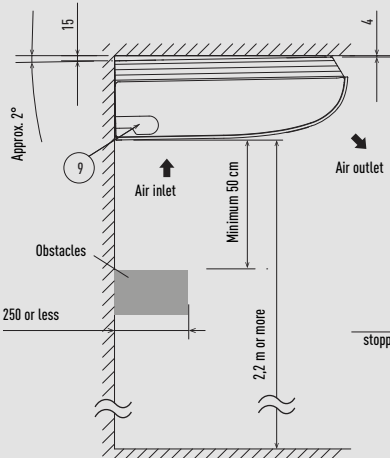
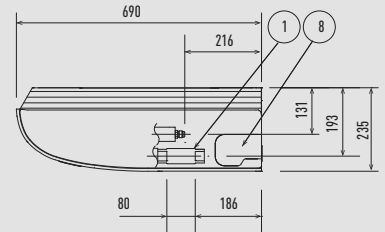
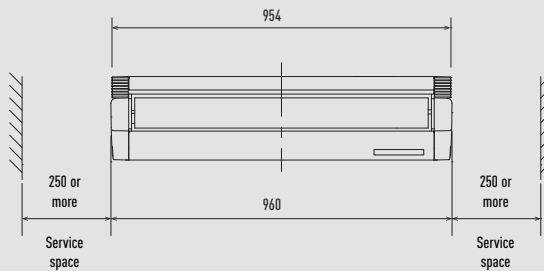
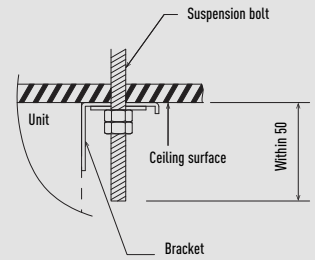
Unit: mm

PACi NX Series ceiling (S-3650PT3E).

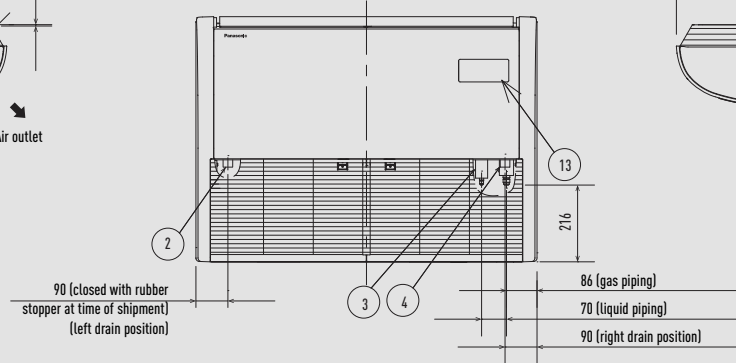
Detailed view of air inlet duct connection port



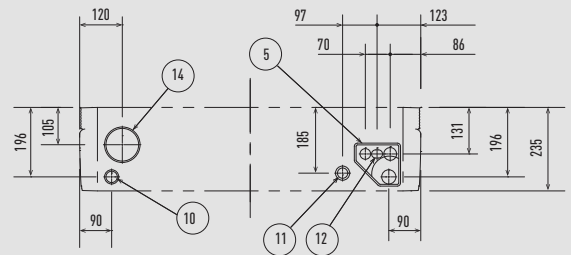
Distance of each exposed bolt must be of equal length within 50 mm.



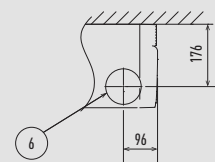
Side view



Hole position of indoor unit rear-side (figure shows view from front)



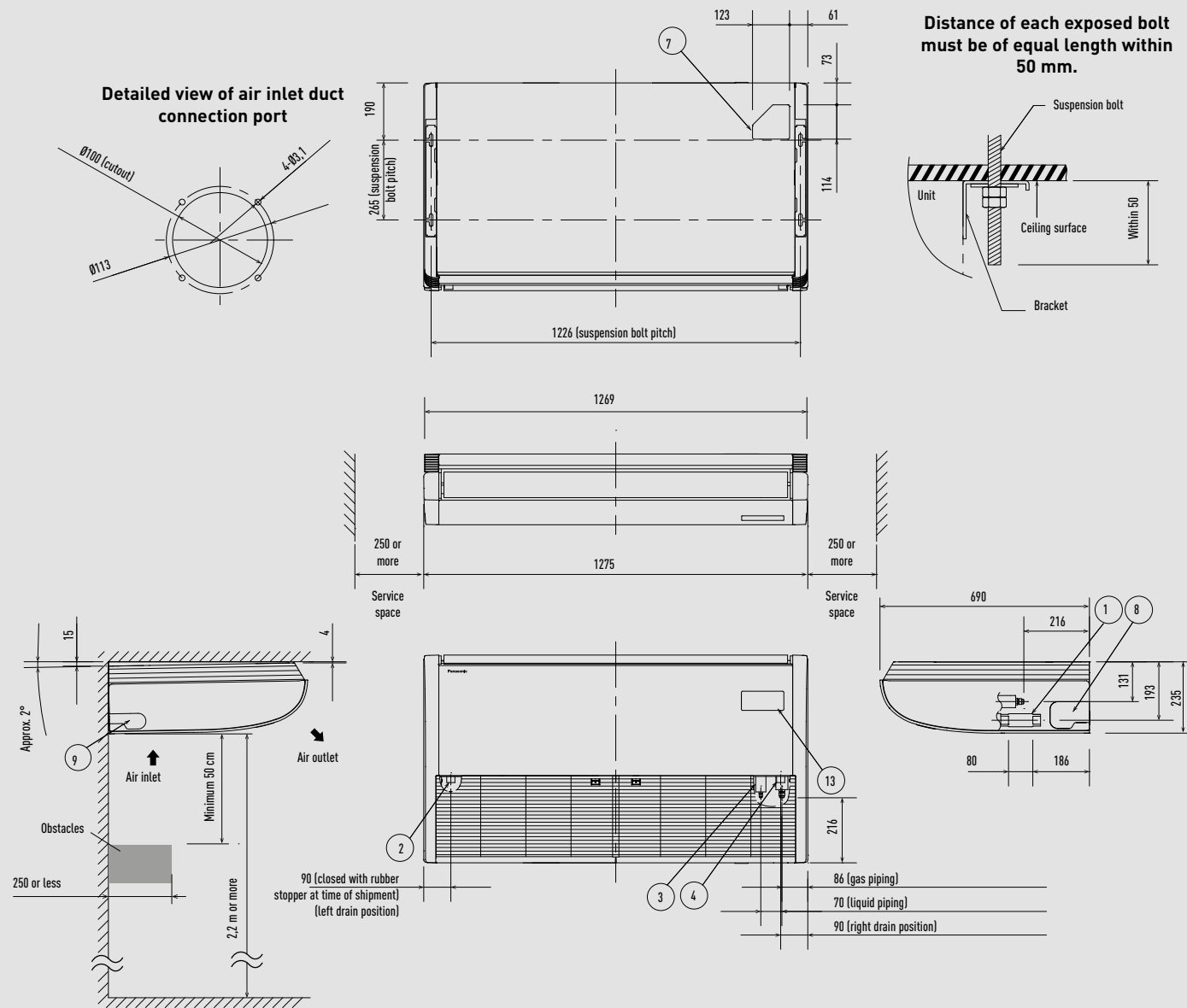
Piping hole position on wall surface (figure shows view from front)



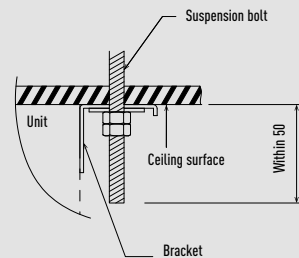
1	Drain piping connection port VP20	Inside diameter 26 mm, drain hose supplied
2	Left drain position	
3	Refrigerant piping (liquid)	Ø6,35mm (flared)
4	Refrigerant piping (gas)	Ø12,7mm (flared)
5	Cover of rear piping hole	
6	Piping hole on wall surface	Ø100 mm
7	Upper side piping port	
8	Right side drain hose outlet port (cutout)	
9	Left side drain hose outlet port (cutout)	
10	Left-rear side drain hose outlet port (cutout)	
11	Power inlet port	
12	Remote control wiring and inter-unit wiring inlet port	
13	Wireless remote controller receiver installation location	
14	Air inlet duct connection port	Ø100 mm (cutout)

Filter dimension: 421 x 250 x 16 mm x 2 pcs.

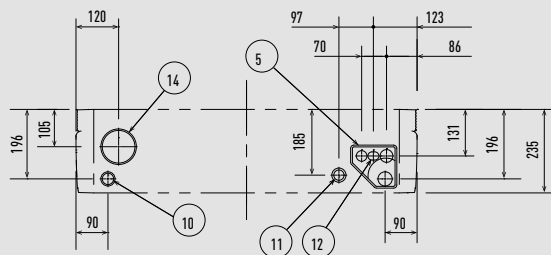
PACi NX Series ceiling (S-6071PT3E).



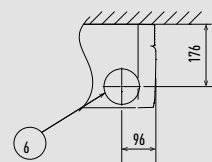
Distance of each exposed bolt must be of equal length within 50 mm.



Hole position of indoor unit rear-side (figure shows view from front)



Piping hole position on wall surface (figure shows view from front)



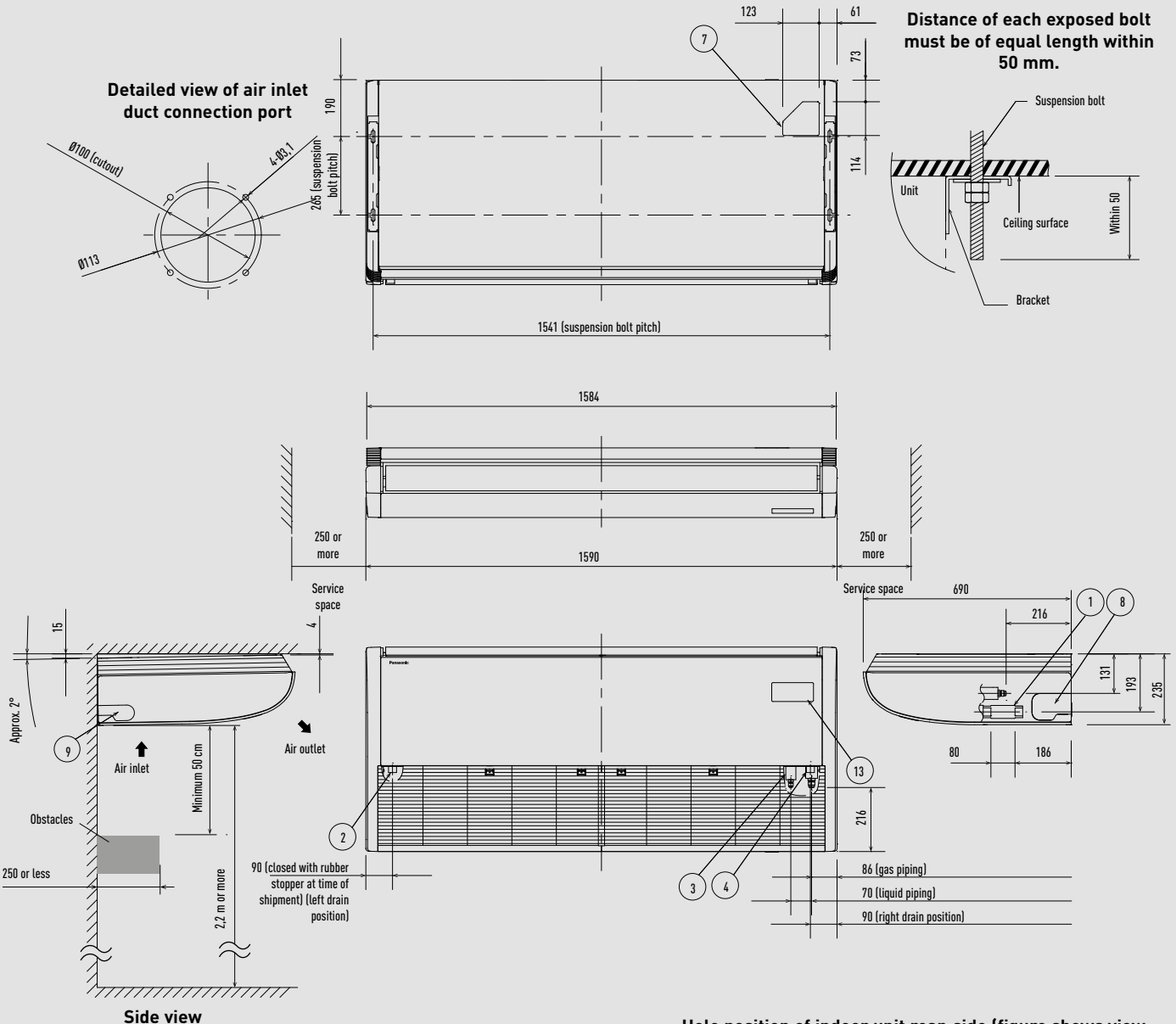
1	Drain piping connection port VP20	Inside diameter 26 mm, drain hose supplied
2	Left drain position	
3	Refrigerant piping (liquid)	Ø9,52 (flared) <sup>1)</sup>
4	Refrigerant piping (gas)	Ø15,88 (flared) <sup>2)</sup>
5	Cover of rear piping hole	
6	Piping hole on wall surface	Ø100 mm
7	Upper side piping port	
8	Right side drain hose outlet port (cutout)	
9	Left side drain hose outlet port (cutout)	
10	Left-rear side drain hose outlet port (cutout)	
11	Power inlet port	
12	Remote control wiring and inter-unit wiring inlet port	
13	Wireless remote controller receiver installation location	
14	Air inlet duct connection port	Ø100 mm (cutout)

1) When connecting with U-60PZ3E5, U-71PZ3E5 or U-60PZH3E5, connect the liquid socket piping (Ø9,52 - Ø6,35) to the liquid piping side indoor unit.  
 2) When connecting with U-60PZ3E5 or U-60PZH3E5, connect the gas socket piping (Ø15,88 - Ø12,7) to the gas piping side indoor unit.

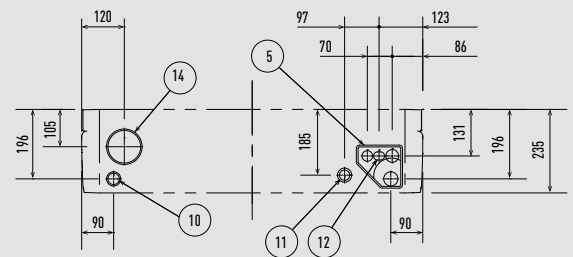
Filter dimension: 579 x 250 x 16 mm x 2 pcs.

Unit: mm

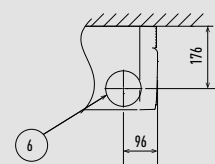
PACi NX Series ceiling (S-1014PT3E).



Hole position of indoor unit rear-side (figure shows view from front)



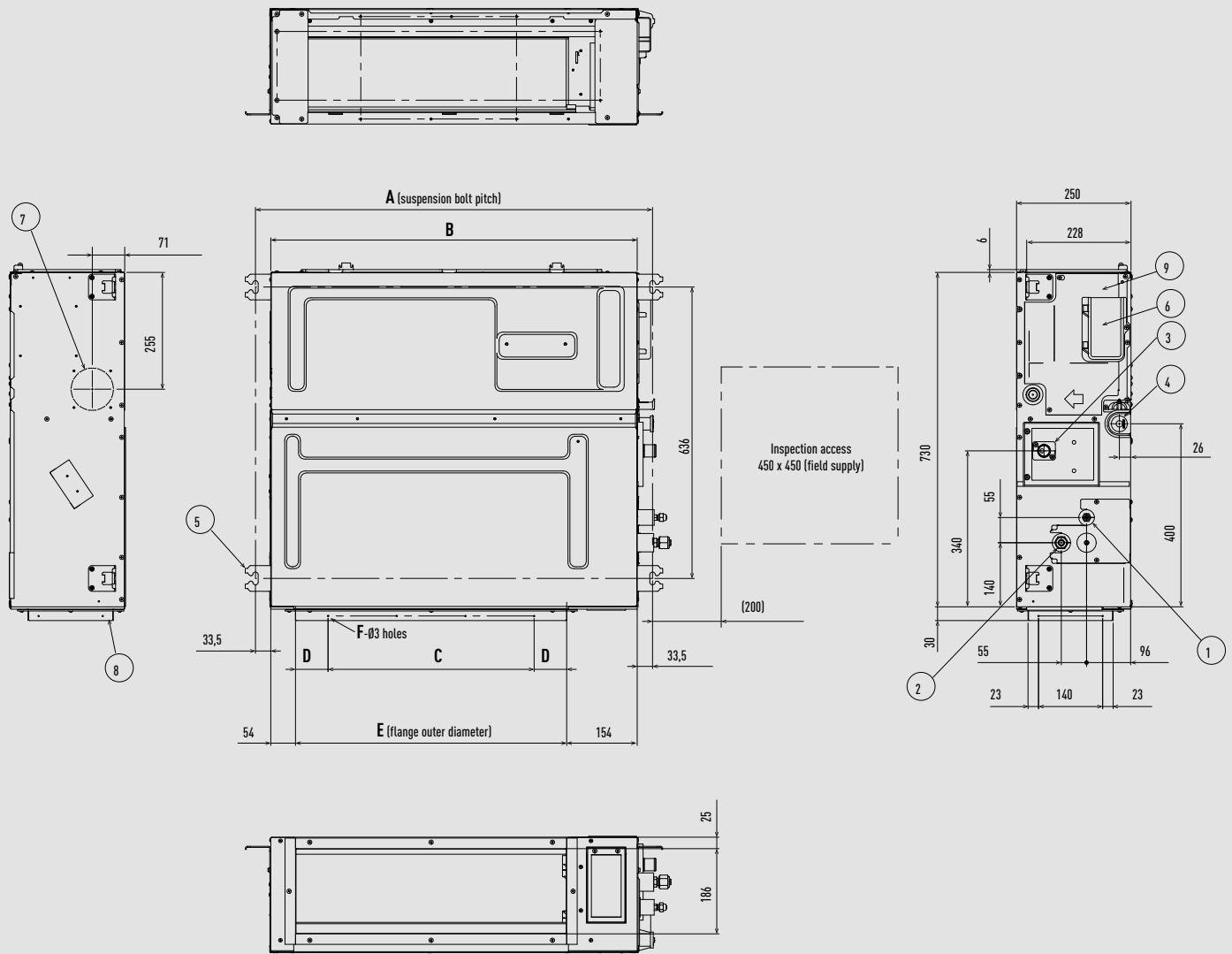
Piping hole position on wall surface (figure shows view from front)



1	Drain piping connection port VP20	Inside diameter 26 mm, drain hose supplied
2	Left drain position	
3	Refrigerant piping (liquid)	Ø9,52 (flared)
4	Refrigerant piping (gas)	Ø15,88 (flared)
5	Cover of rear piping hole	
6	Piping hole on wall surface	Ø100 mm
7	Upper side piping port	
8	Right side drain hose outlet port (cutout)	
9	Left side drain hose outlet port (cutout)	
10	Left-rear side drain hose outlet port (cutout)	
11	Power inlet port	
12	Remote control wiring and inter-unit wiring inlet port	
13	Wireless remote controller receiver installation location	
14	Air inlet duct connection port	Ø100 mm (cutout)

Filter dimension: 736 x 250 x 16 mm x 2 pcs.

PACi NX Series adaptive ducted unit.



Type	A	B	C	D	E	F
	mm	mm	mm	mm	mm	Q'ty
S-3650PF3E	867	800	450 [pitch 150 x 3]	71	592	12
S-6071PF3E	1067	1000	750 [pitch 150 x 5]	21	792	16
S-1014PF3E	1467	1400	1050 [pitch 150 x 7]	71	1192	20

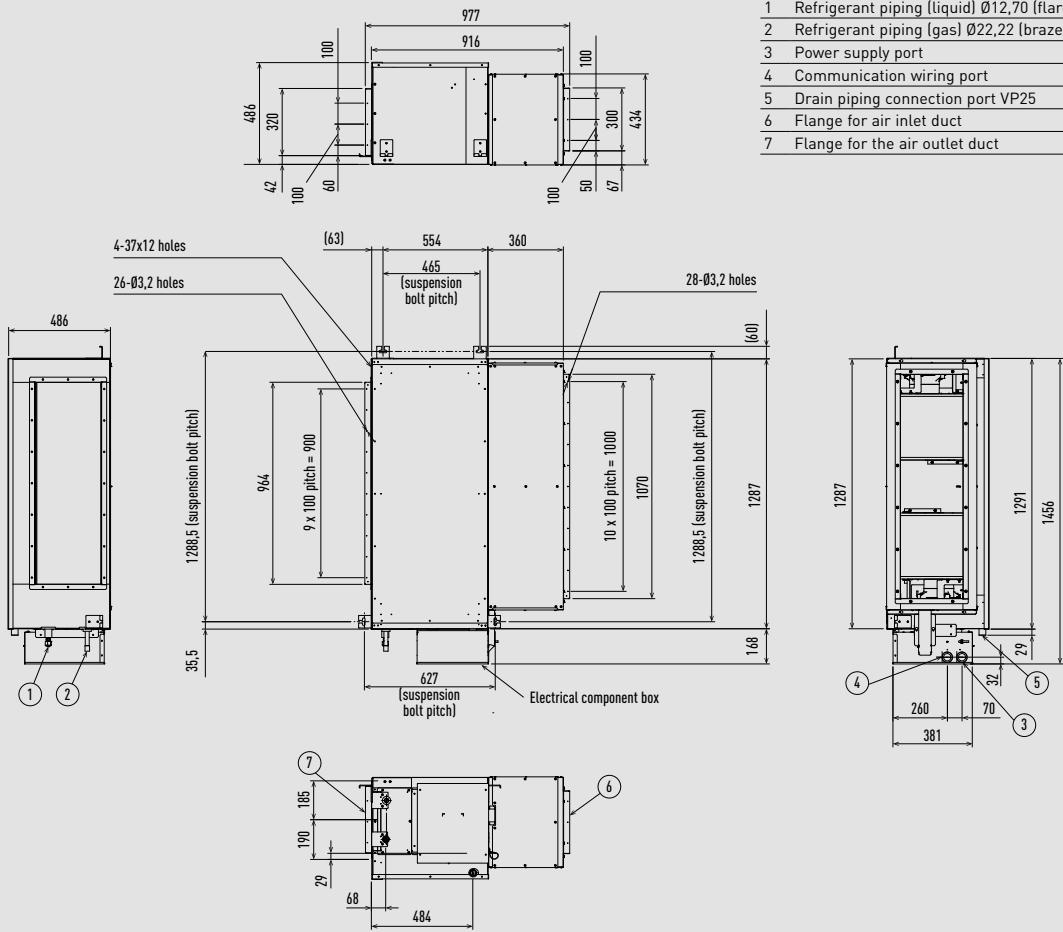
Type	S-3650PF3E	S-6071PF3E	S-1014PF3E
1 Refrigerant piping (liquid)	Ø6,35 [flared]	Ø9,52 [flared] <sup>1)</sup>	Ø9,52 [flared]
2 Refrigerant piping (gas)	Ø12,70 [flared]	60: Ø15,88 [flared] <sup>2)</sup> , 71: Ø15,88 [flared]	Ø15,88 [flared]
3 Upper drain piping connection port VP20	Outer diameter 26 mm, 200 mm flexible hose supplied		
4 Suspension lug	4-12x30		
5 Power supply port			
6 Bottom drain piping connection port VP20	Ø26 mm		
7 Fresh air inlet duct connection port	Ø100 <sup>3)</sup>		
8 Flange for flexible air outlet duct			
9 Electrical component box			

1) When connecting with U-60P23E5, U-71P23E5 or U-60PZH3E5, connect the liquid socket piping (Ø9,52 - Ø6,35) to the liquid piping side indoor unit.  
 2) When connecting with U-60P23E5 or U-60PZH3E5, connect the gas socket piping (Ø15,88 - Ø12,7) to the gas piping side indoor unit.  
 3) Necessary to attach duct connecting flange (field supply).

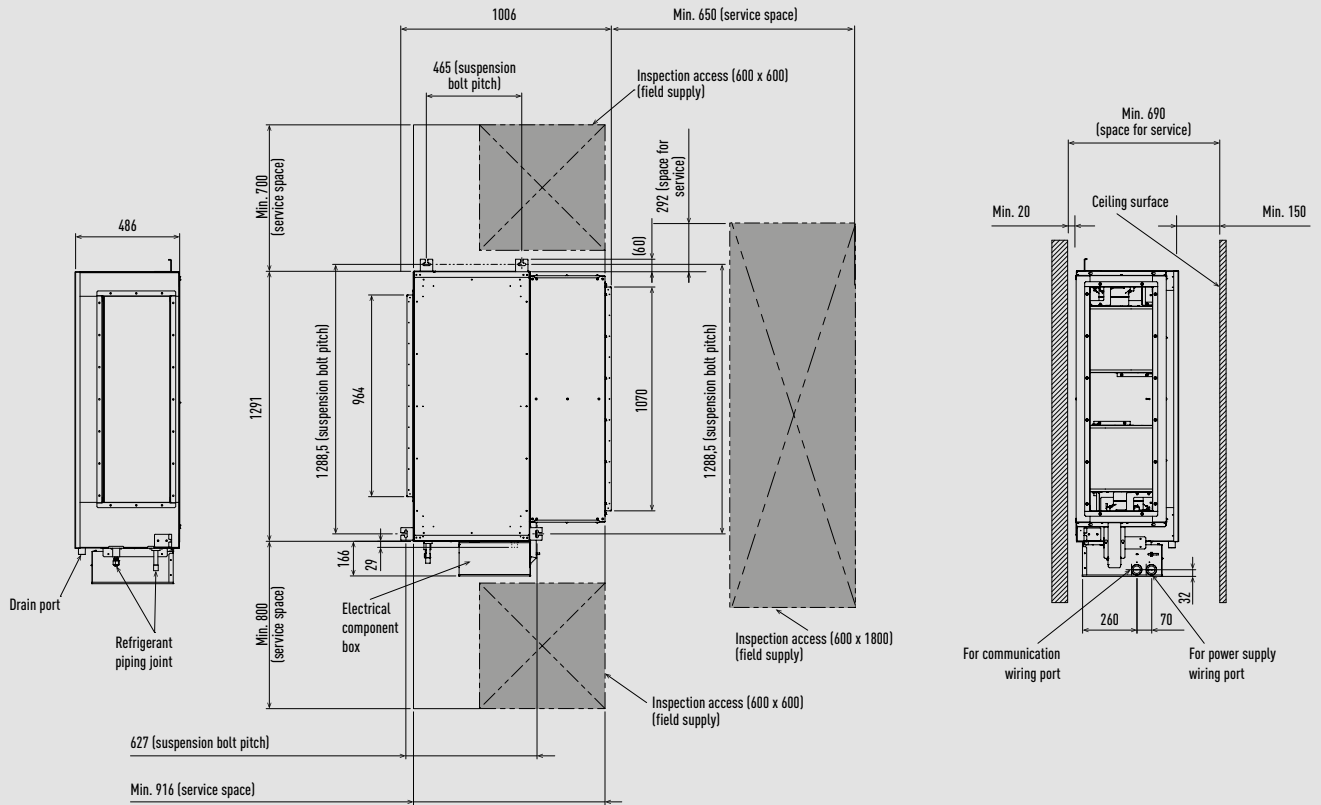
Filter dimension: 520 x 520 x 15 mm.

Big PACi NX high static pressure hide-away 20,0-25,0 kW.

- 1 Refrigerant piping (liquid) Ø12,70 (flared)
- 2 Refrigerant piping (gas) Ø22,22 (brazed)
- 3 Power supply port
- 4 Communication wiring port
- 5 Drain piping connection port VP25
- 6 Flange for air inlet duct
- 7 Flange for the air outlet duct



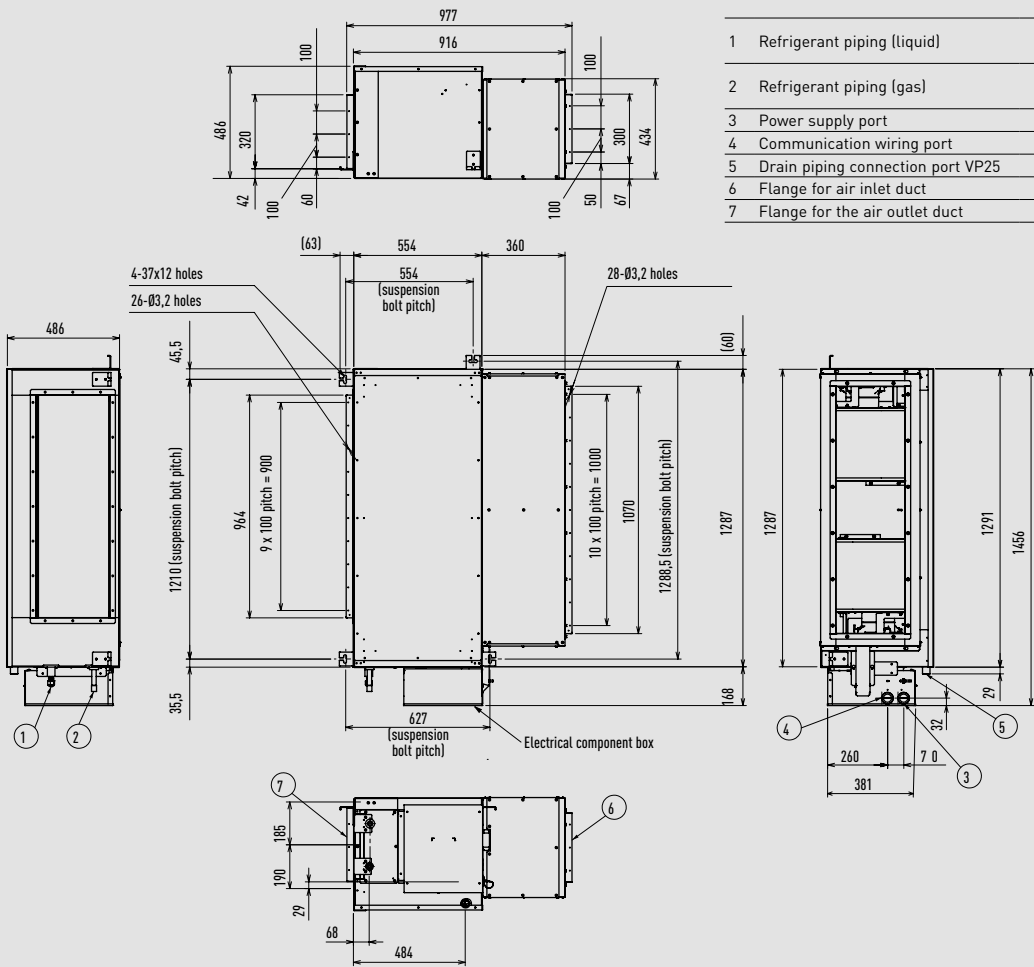
**Dimensions of suspension bolt pitch and unit.  
Required minimum space for installation and service**



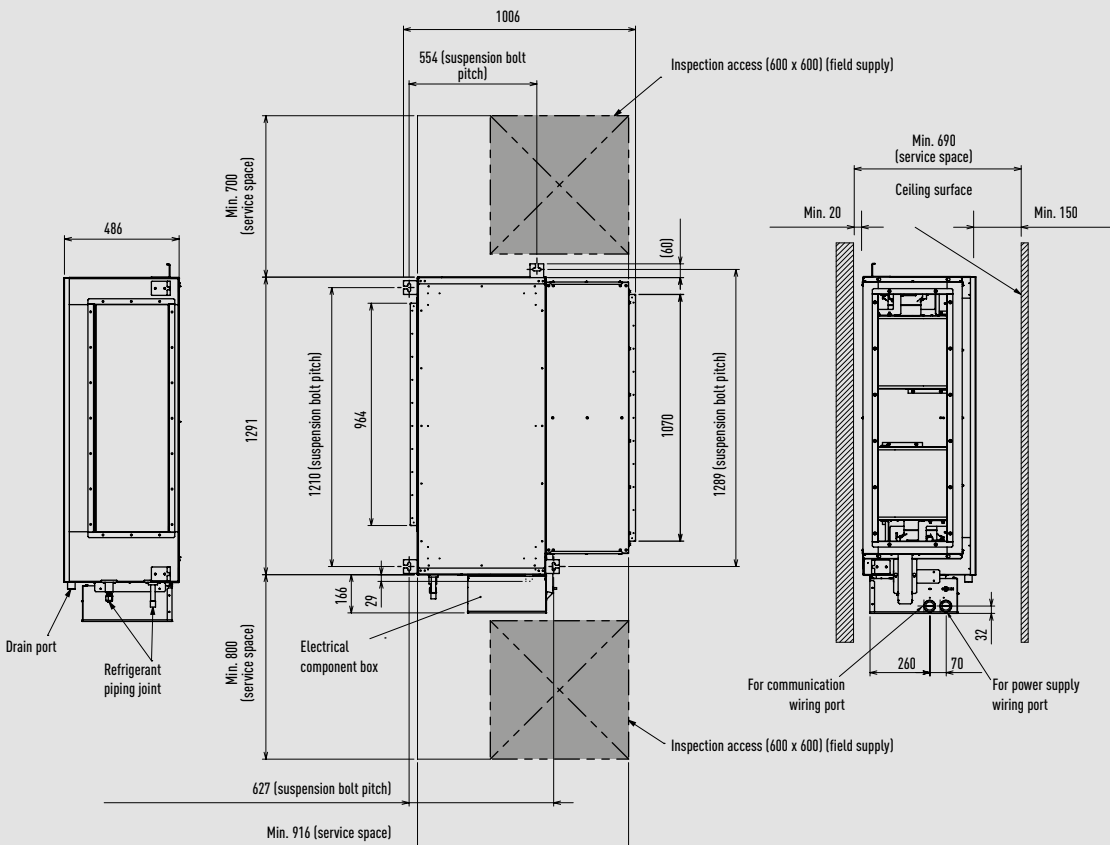


Big PACi high static pressure hide-away 20,0-25,0 kW.

	S-200PE3E5B	S-250PE3E5B
1	Refrigerant piping (liquid) Connection piping Ø12,70 > Ø9,52	Ø12,70 (flared)
2	Refrigerant piping (gas) Connection piping Ø19,05 > Ø25,40	Ø19,05 (brazed)
3	Power supply port	
4	Communication wiring port	
5	Drain piping connection port VP25	
6	Flange for air inlet duct	
7	Flange for the air outlet duct	

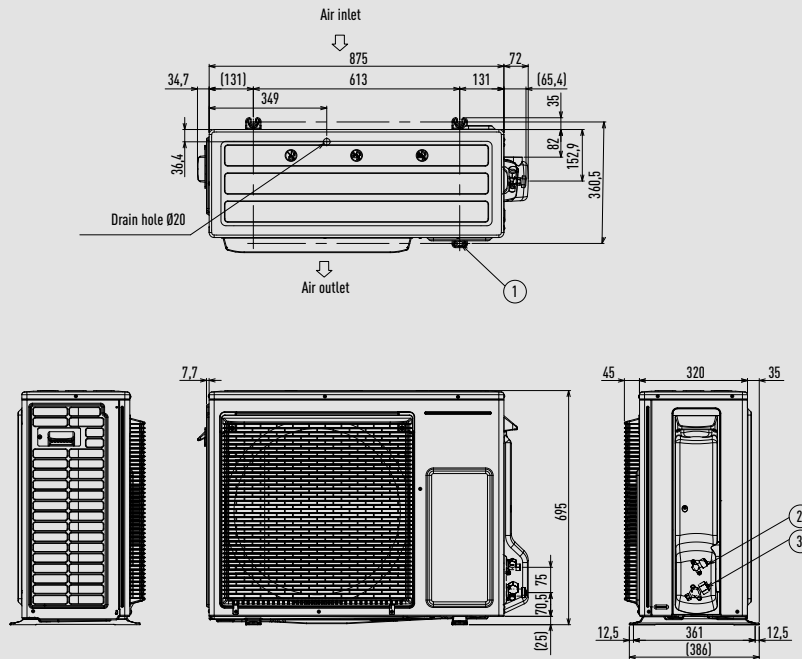


Dimensions of suspension bolt pitch and unit.  
Required minimum space for installation and service



Unit: mm

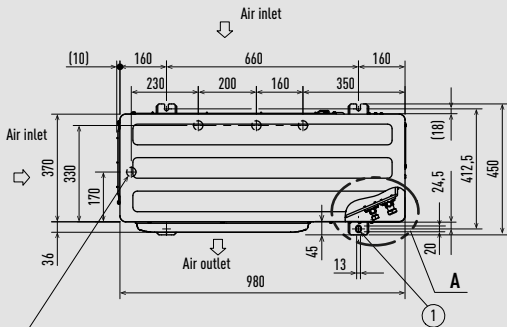
PACi NX Series Elite outdoor units from 3,6 to 6,0 kW and Standard 6,0 and 7,1 kW.



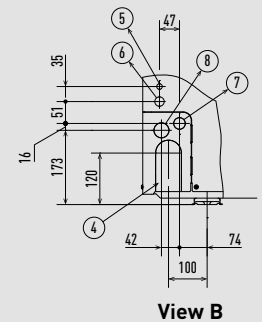
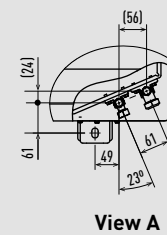
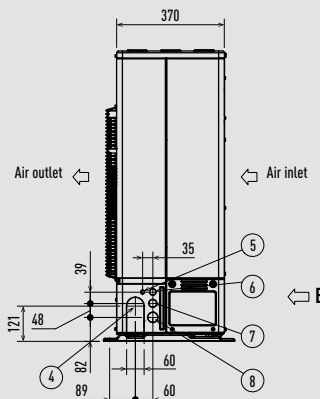
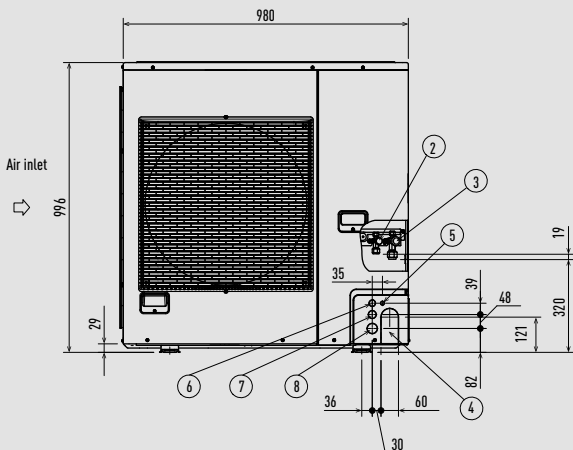
- 1 Mounting hole [4-R6,5], anchor bolt: M10
- 2 Refrigerant piping (liquid), Ø6,35 (flared)
- 3 Refrigerant piping (gas), Ø12,70 (flared). U-71PZ3E5, Ø15,88 (flared)

Unit: mm

PACi NX Series Elite outdoor units from 7,1 kW to 14,0 kW and Standard from 10,0 to 14,0 kW.



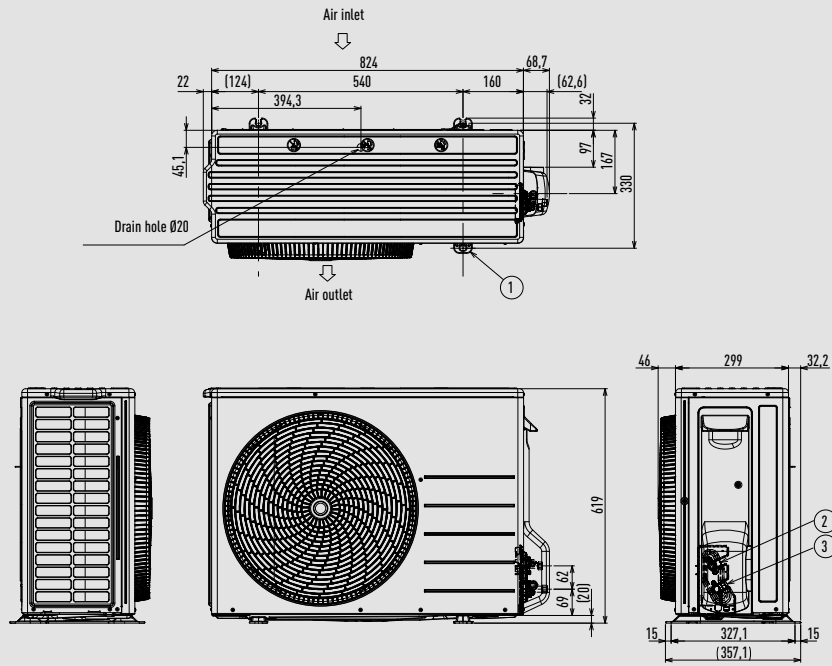
4xØ32 holes (holes for drain). When using a drain piping, install the drain socket (field supply) on to the drain port. Seal the other drain port with the rubber cap.



- 1 Mounting hole, anchor bolt: M10
- 2 Refrigerant piping (liquid), Ø9,52 (flared)
- 3 Refrigerant piping (gas), Ø15,88 (flared)
- 4 Refrigerant piping port
- 5 Electrical wiring port (Ø13)
- 6 Electrical wiring port (Ø22)
- 7 Electrical wiring port (Ø27)
- 8 Electrical wiring port (Ø35)

Unit: mm

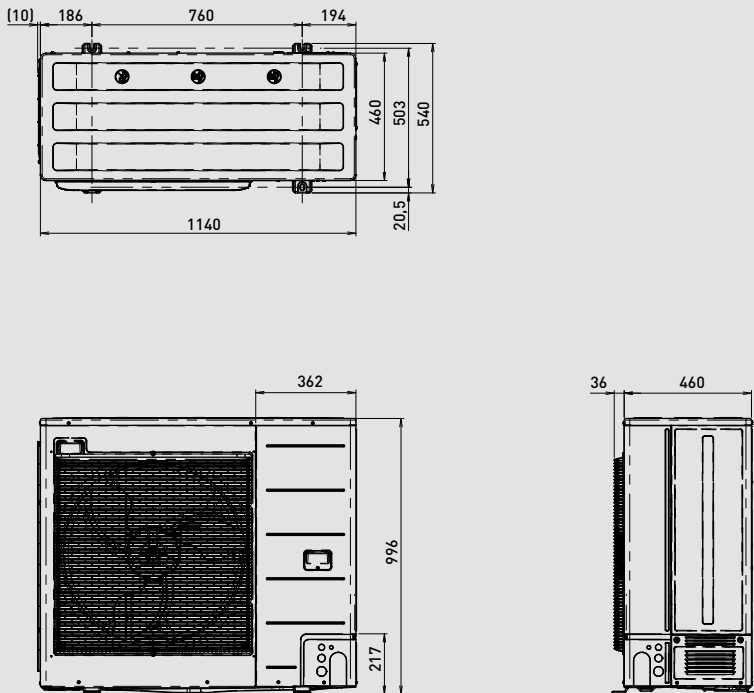
PACi NX Series Standard outdoor units from 2,5 to 5,0 kW.



- 1 Mounting hole (4-R6,5), anchor bolt: M10
- 2 Refrigerant piping (liquid), Ø6,35 (flared)
- 3 Refrigerant piping (gas), Ø12,70 (flared)

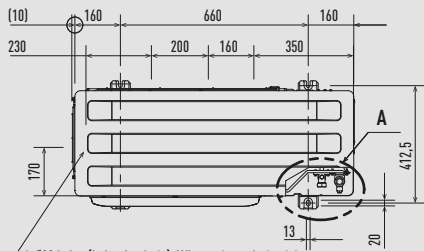
Unit: mm

Big PACi NX outdoor units 20,0-25,0 kW.

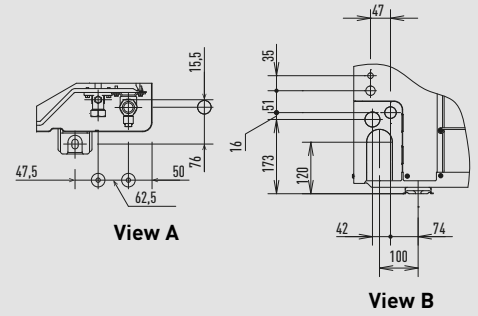
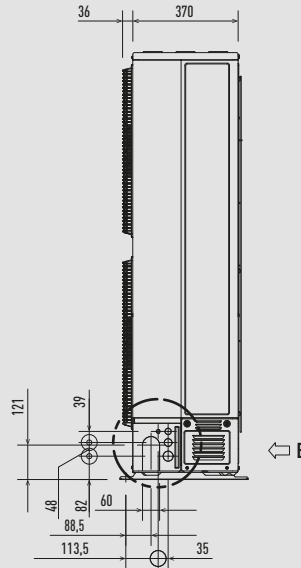
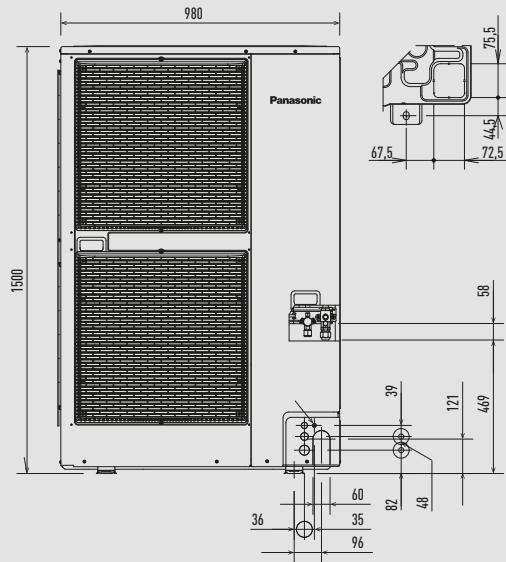


Unit: mm

Big PACi outdoor units 20,0-25,0 kW.

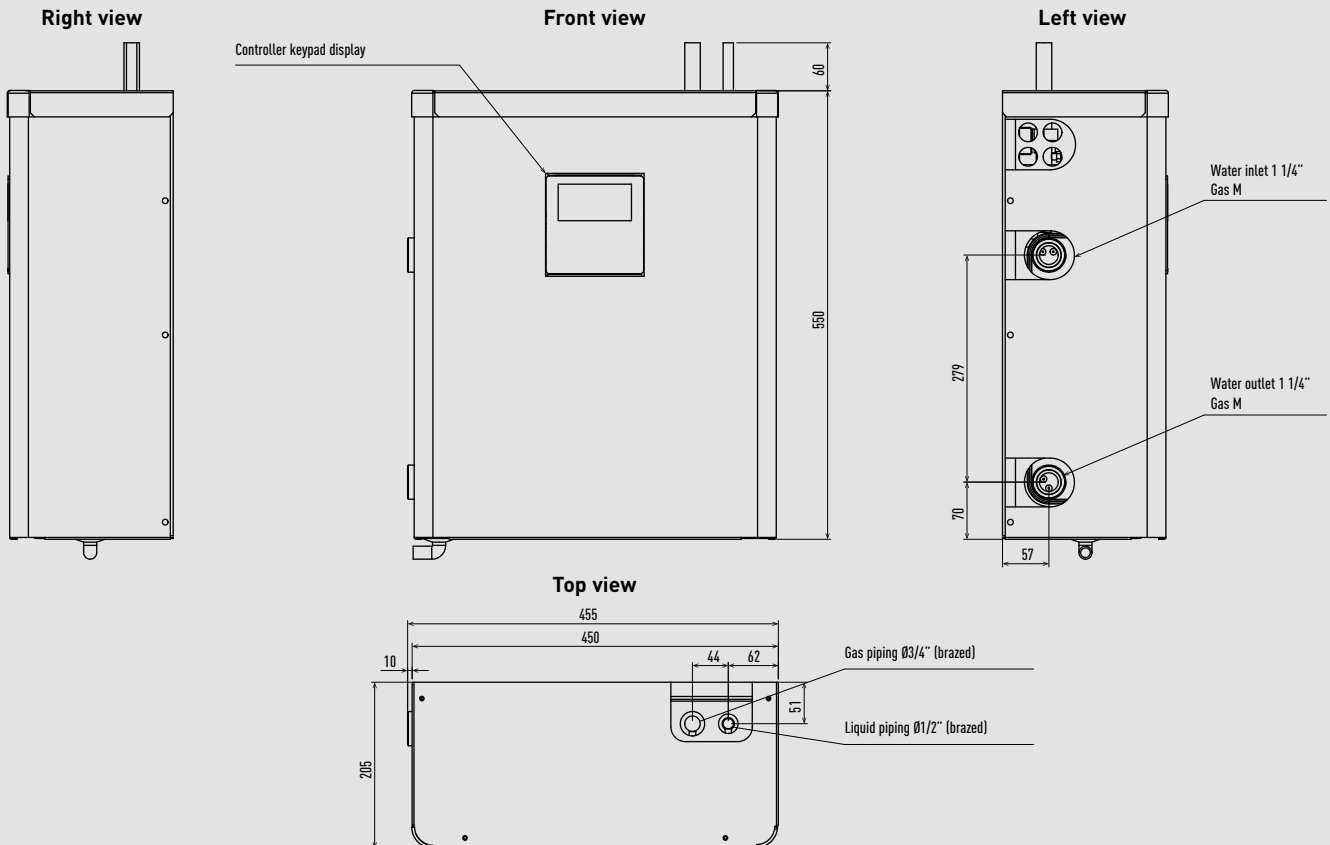


4xØ32 holes (holes for drain). When using a drain piping, install the drain socket (field supply) on to the drain port. Seat the other drain port with the rubber cap.



Unit: mm

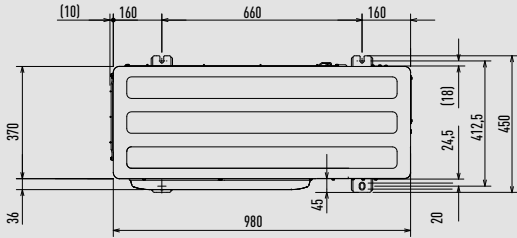
PACi Water Heat Exchanger.



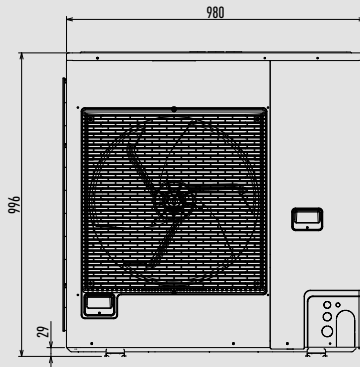
Unit: mm

Mini ECOi LZ2 Series from 4 to 6 HP.

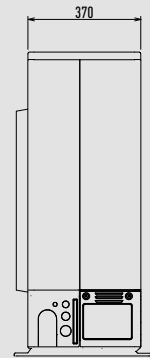
Top view



Front view



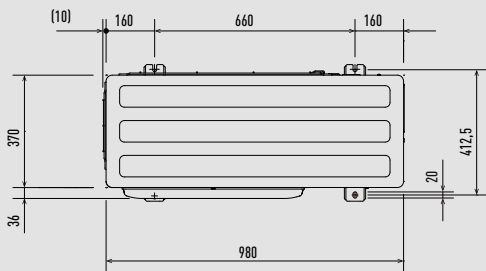
Side view



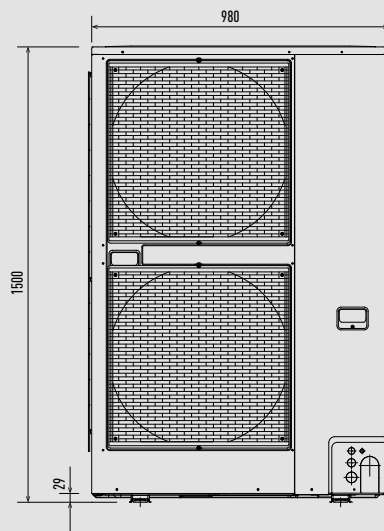
Unit: mm

Mini ECOi LZ2 Series 8 and 10 HP.

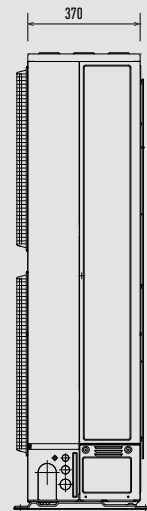
Top view



Front view

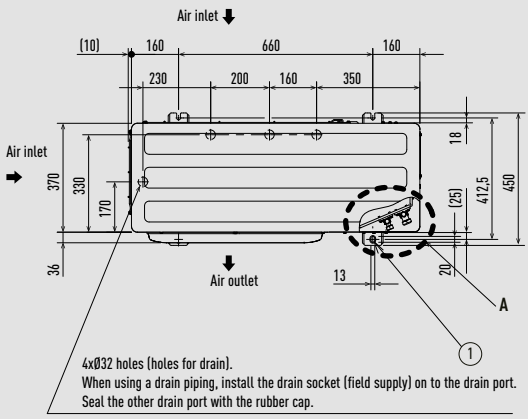


Side view



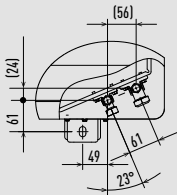
Unit: mm

Mini ECOi LE2 Series from 4 to 6 HP.

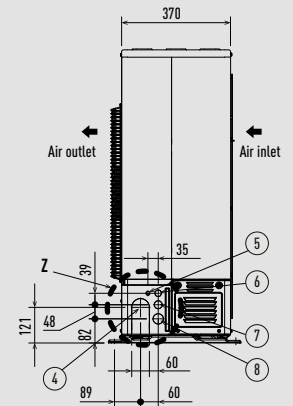
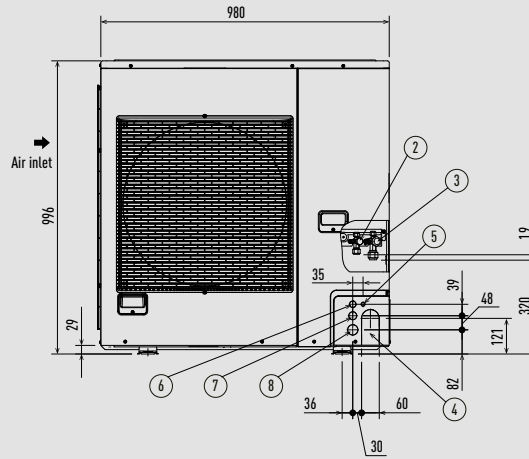
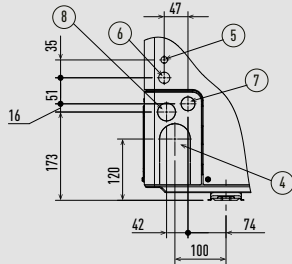


4xØ32 holes (holes for drain).  
When using a drain piping, install the drain socket (field supply) on to the drain port. Seal the other drain port with the rubber cap.

View A



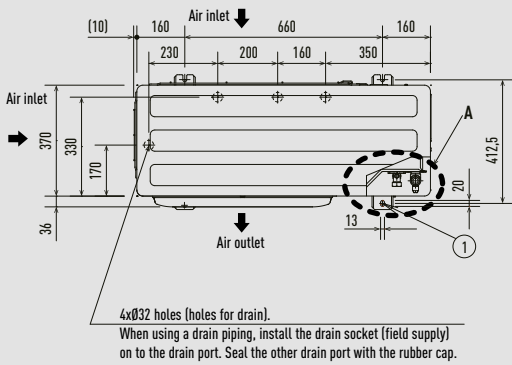
View Z



- 1 Mounting hole (4-R6,5), anchor bolt: M10
- 2 Refrigerant piping (liquid), Ø9,52 (flared)
- 3 Refrigerant piping (gas), Ø19,05 (flared)
- 4 Refrigerant piping port
- 5 Electrical wiring port (Ø13)
- 6 Electrical wiring port (Ø22)
- 7 Electrical wiring port (Ø27)
- 8 Electrical wiring port (Ø35)

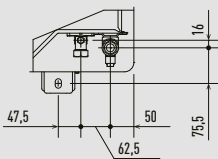
Unit: mm

Mini ECOi LE1 Series 8 and 10 HP.

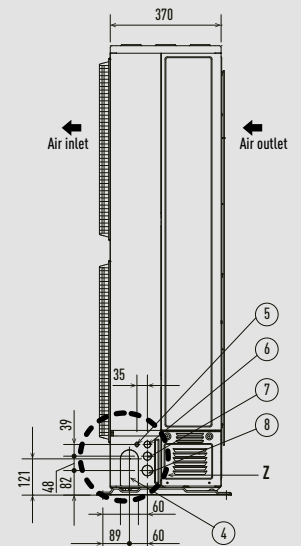
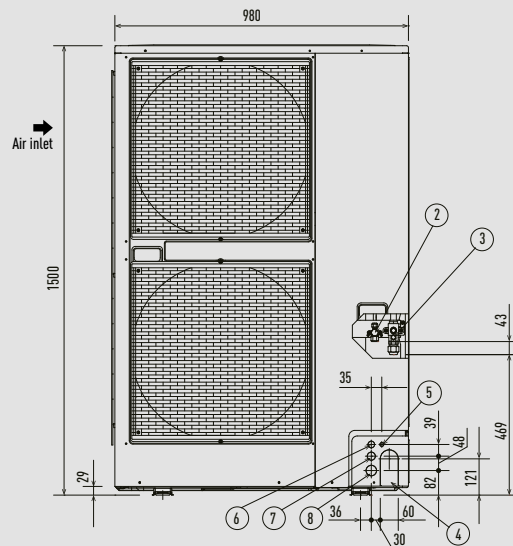
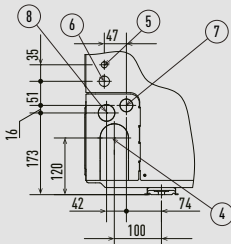


4xØ32 holes (holes for drain).  
When using a drain piping, install the drain socket (field supply) on to the drain port. Seal the other drain port with the rubber cap.

View A



View Z

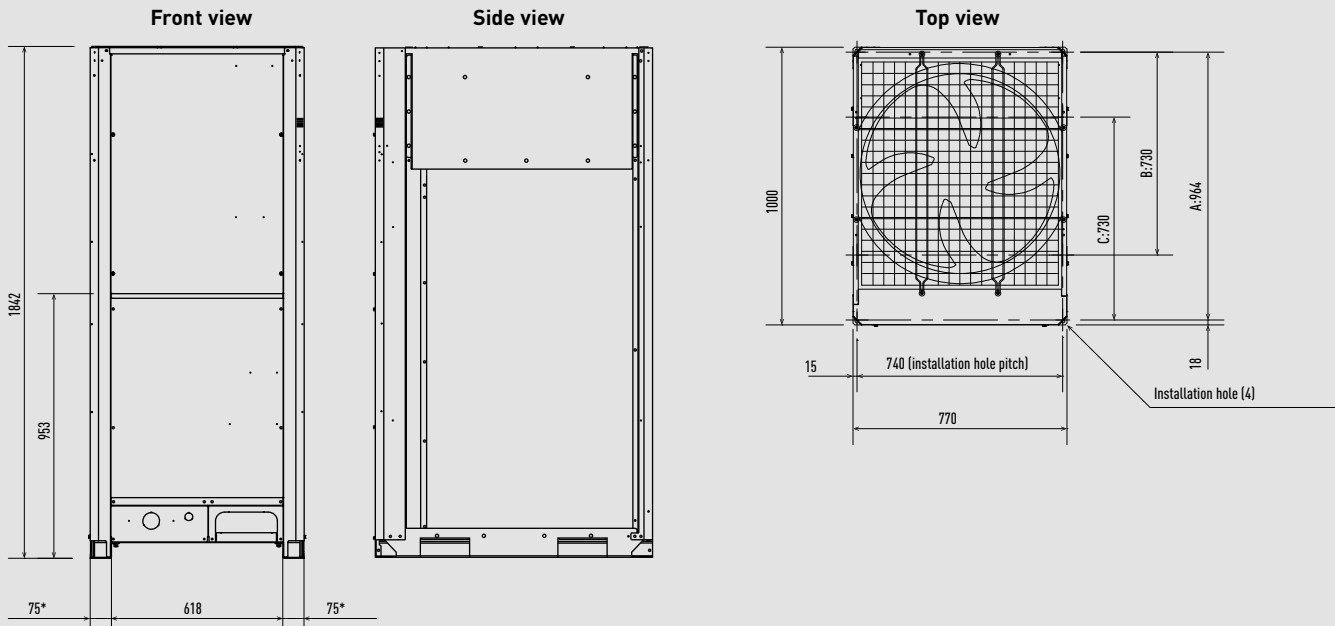


- 1 Mounting hole (4-R6,5), anchor bolt: M10
- 2 Refrigerant piping (liquid), Ø9,52 (flared)
- 3 Refrigerant piping (gas), Ø19,05 (flared)
- 4 Refrigerant piping port
- 5 Electrical wiring port (Ø13)
- 6 Electrical wiring port (Ø22)
- 7 Electrical wiring port (Ø27)
- 8 Electrical wiring port (Ø35)

The piping of the gas main has a diameter of Ø22,22, but the connection to the service valve of the outdoor unit has a diameter of Ø19,05, so a flare has to be used. Consequently, be sure to use the enclosed joint piping B and joint piping A in making connections (brazing).

Unit: mm

2-Pipe ECOi EX ME2 Series 8 and 10 HP.



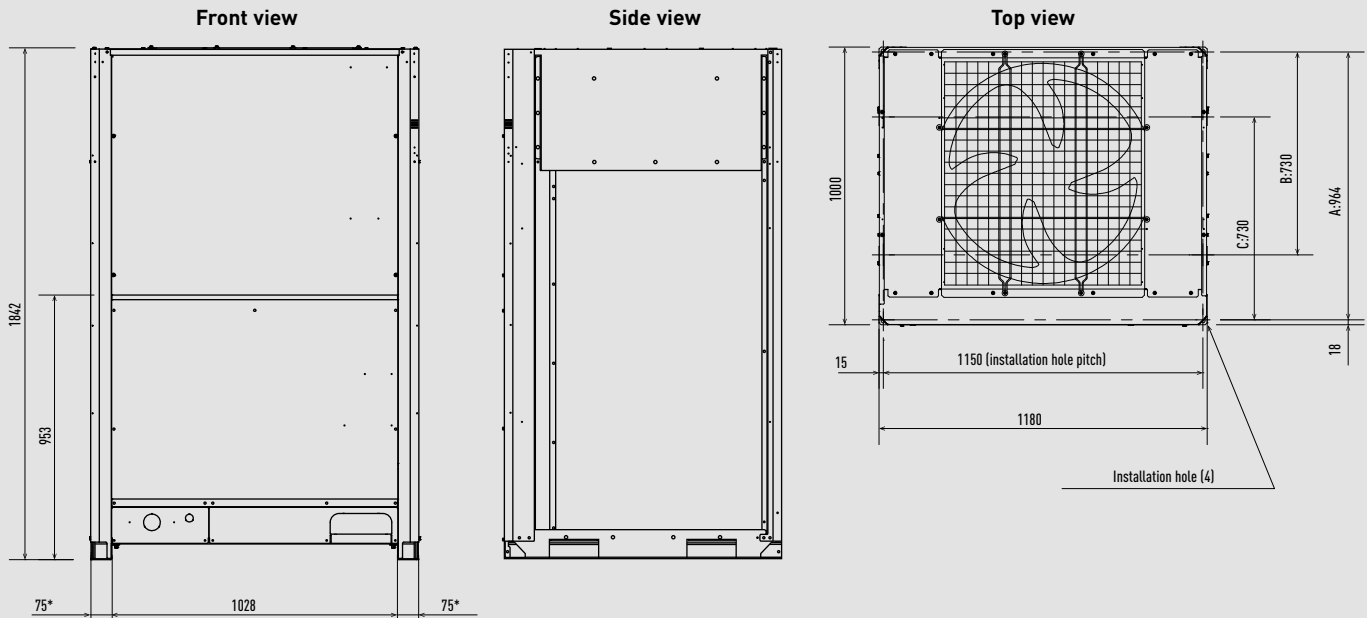
According to the installation site, you may choose the setting position in the depth direction of the anchor bolt from A, B or C.

- A: 964 (installation hole pitch). The piping is routed out from the front.
- B: 730 (installation hole pitch)\*. The piping is routed out from the bottom.
- C: 730 (installation hole pitch).

\* Installation fixing bracket. Installation side.

Unit: mm

2-Pipe ECOi EX ME2 Series 12, 14 and 16 HP / 3-Pipe ECOi EX MF3 Series.



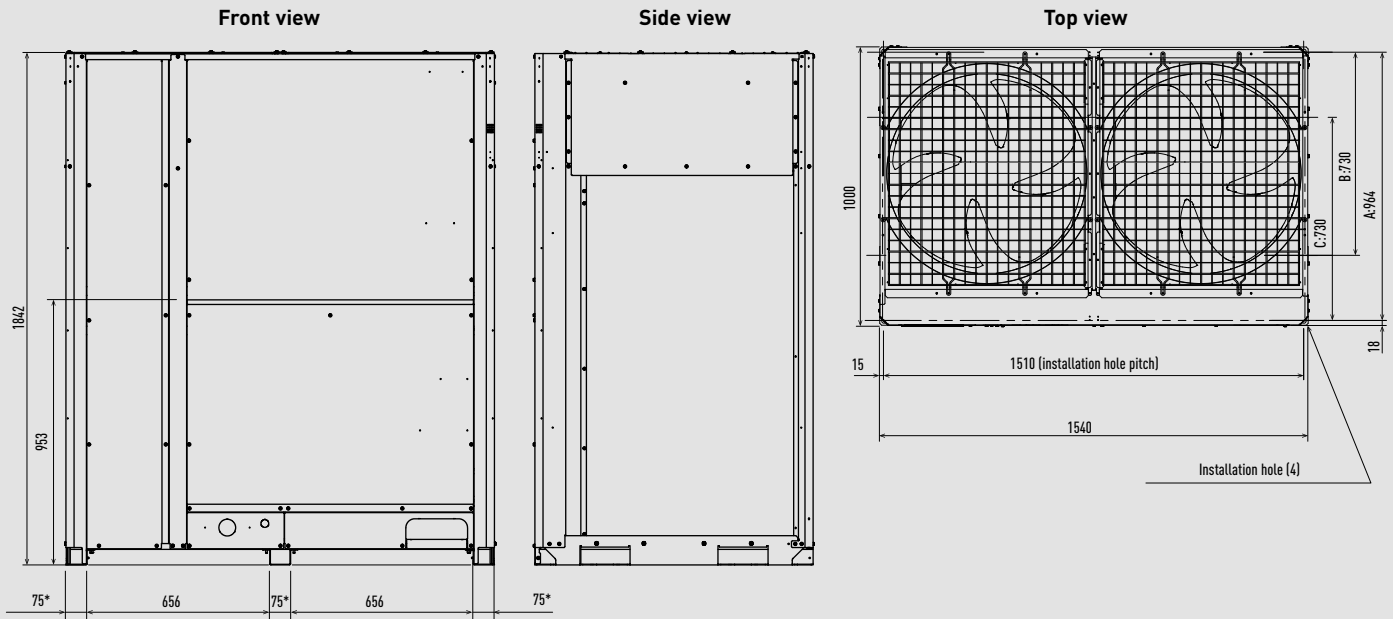
According to the installation site, you may choose the setting position in the depth direction of the anchor bolt from A, B or C.

- A: 964 (installation hole pitch). The piping is routed out from the front.
- B: 730 (installation hole pitch)\*. The piping is routed out from the bottom.
- C: 730 (installation hole pitch).

\* Installation fixing bracket. Installation side.

Unit: mm

2-Pipe ECOi EX ME2 Series 18 and 20 HP.



According to the installation site, you may choose the setting position in the depth direction of the anchor bolt from A, B or C.

A: 964 (installation hole pitch). The piping is routed out from the front.  
 B: 730 (installation hole pitch)\*. The piping is routed out from the bottom.  
 C: 730 (installation hole pitch).

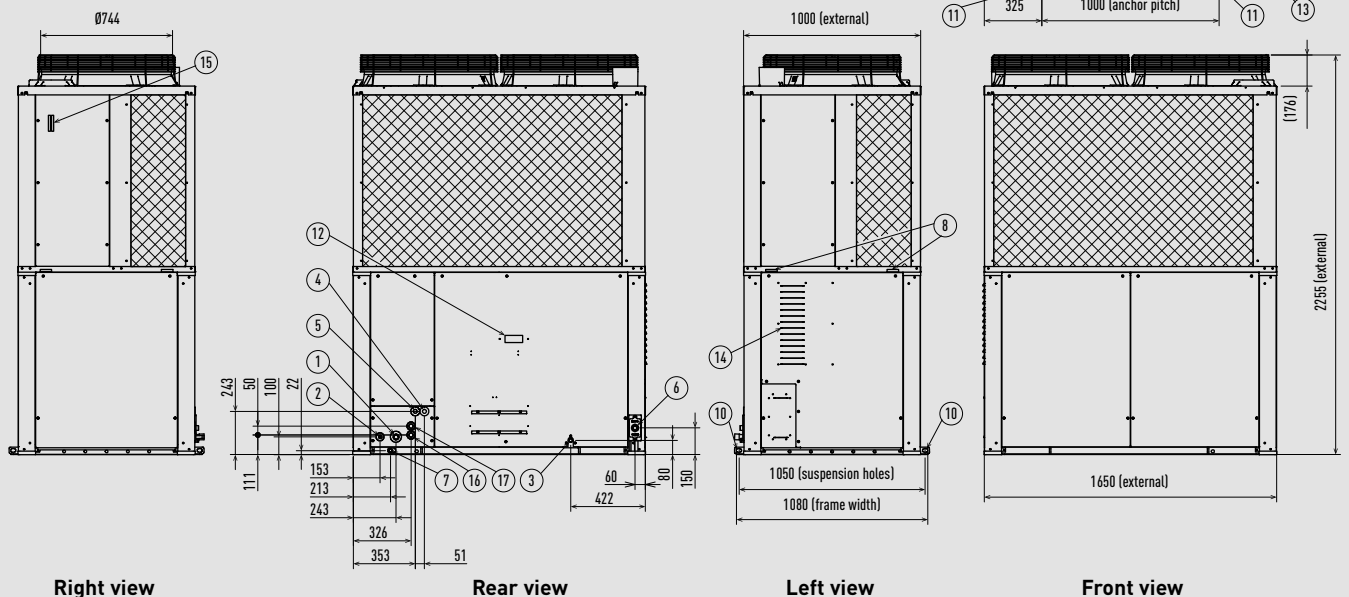
\* Installation fixing bracket. Installation side.

Unit: mm

2-Pipe ECO G GE3 Series 16 and 20 HP.

Type	16 HP	20 HP
1 Refrigerant piping (gas)	Ø28,58	
2 Refrigerant piping (liquid)	Ø12,70	Ø15,88
3 Exhaust gas drain port	Hose outer diameter: Ø25 (accessory)	
4 Electrical power supply port	Ø28	
5 Inter-unit cable port	Ø28	
6 Fuel gas port	R3/4	
7 Condensation drain opening	Ø20	
8 Rain and condensation outlet		

Type	16 HP	20 HP
9 Engine re Exhaust outlet		
10 Suspension holes 4-Ø20x30		
11 Anchor holes 4-22x30		
12 Segmented display		
13 Coolant intake (top)		
14 Air inlet		
15 Coolant level		
16 Hot water inlet	Rp3/4	
17 Hot water outlet	Rp3/4	



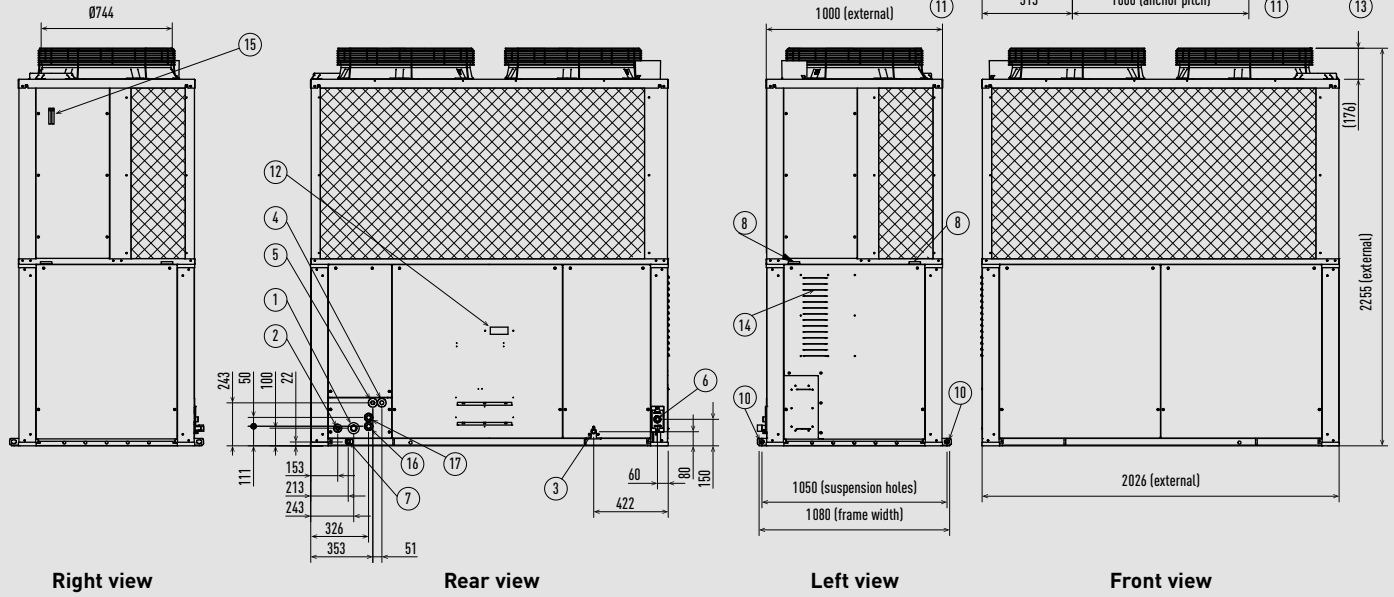
Unit: mm



### 2-Pipe ECO G GE3 Series 25 and 30 HP.

Type	25 HP	30 HP
1 Refrigerant piping (gas)	Ø28,58	Ø31,75
2 Refrigerant piping (liquid)	Ø15,88	Ø19,05
3 Exhaust gas drain port	Hose outer diameter: Ø25 (accessory)	
4 Electrical power supply port	Ø28	
5 Inter-unit cable port	Ø28	
6 Fuel gas port	R3/4	
7 Condensation drain opening	Ø20	
8 Rain and condensation outlet		

Type	25 HP	30 HP
9 Engine exhaust outlet		
10 Suspension holes 4-Ø20x30		
11 Anchor holes 4-22x30		
12 Segmented display		
13 Coolant intake (top)		
14 Air inlet		
15 Coolant level		
16 Hot water inlet	Rp3/4	
17 Hot water outlet	Rp3/4	

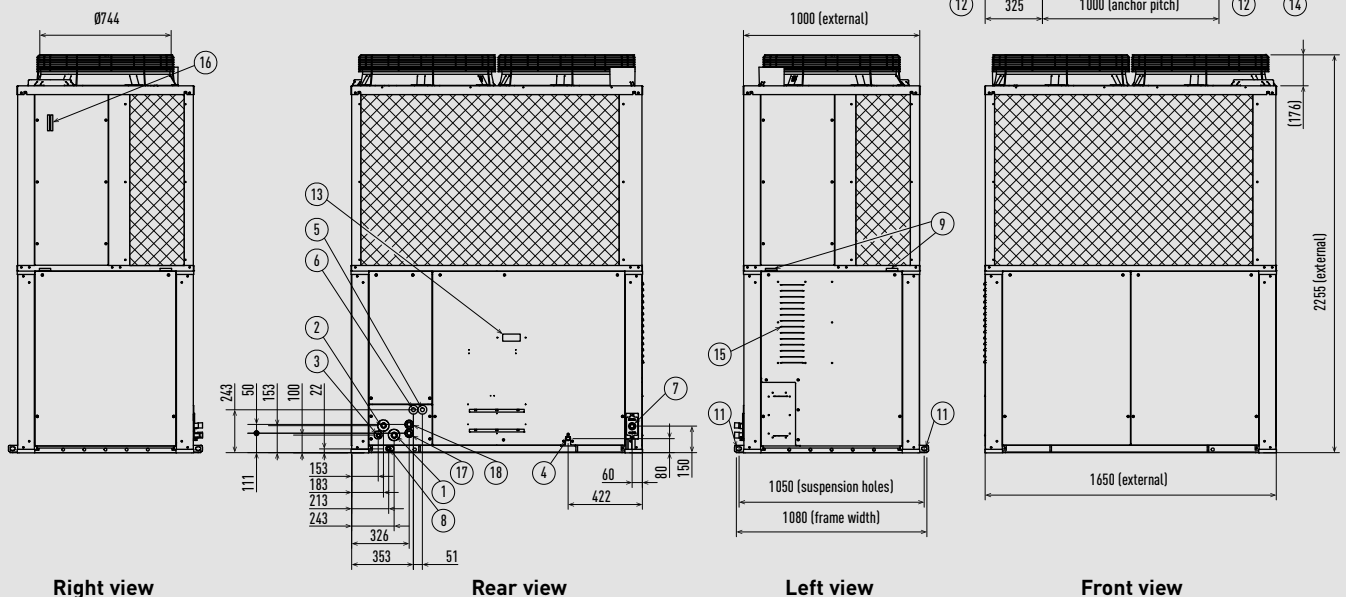


Unit: mm

### 3-Pipe ECO G GF3 Series 16 and 20 HP.

Type	16HP	20HP
1 Suction refrigerant piping (gas)	Ø28,58	
2 Discharge refrigerant piping (gas)	Ø22,22	Ø25,40
3 Refrigerant piping (liquid)	Ø19,05	
4 Exhaust gas drain port	Hose outer diameter: Ø25 (accessory)	
5 Electrical power supply port	Ø28	
6 Inter-unit cable port	Ø28	
7 Fuel gas port	R3/4	
8 Condensation drain opening	Ø20	

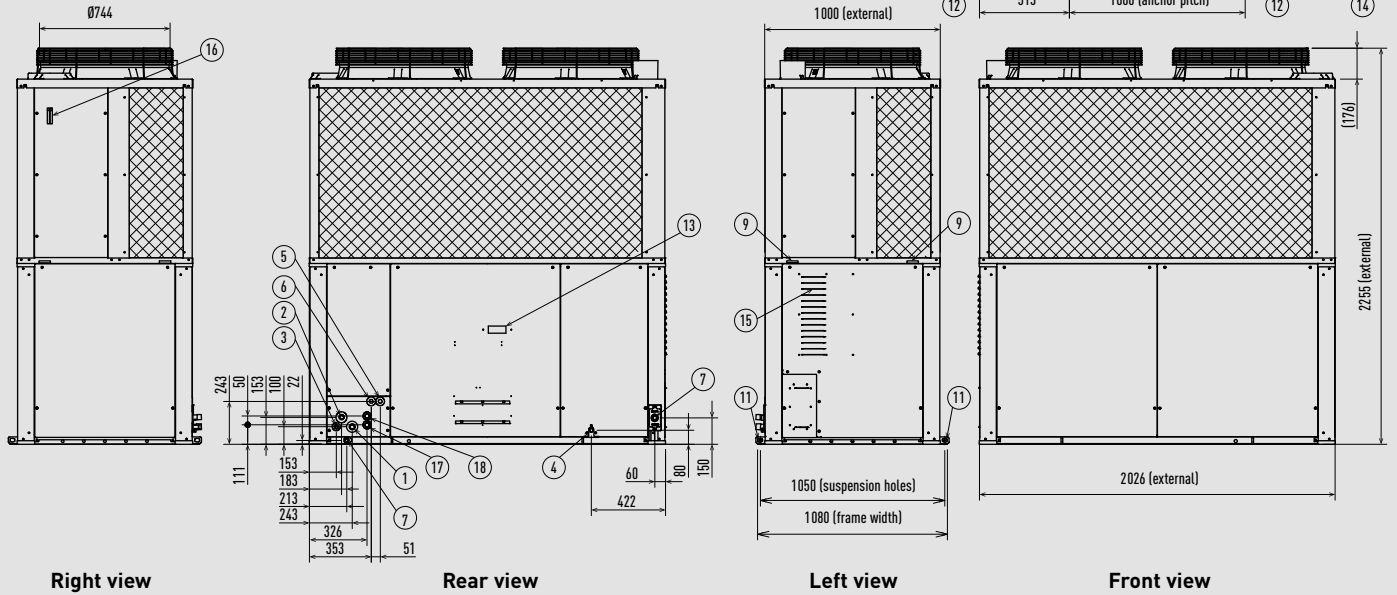
Type	16HP	20HP
9 Rain and condensation outlet		
10 Engine exhaust outlet		
11 Suspension holes 4-Ø20x30		
12 Anchor holes 4-22x30		
13 Segmented display		
14 Coolant intake (top)		
15 Air inlet		
16 Coolant level		
17 Hot water inlet	Rp3/4	
18 Hot water outlet	Rp3/4	



Unit: mm

### 3-Pipe ECO G GF3 Series 25 HP.

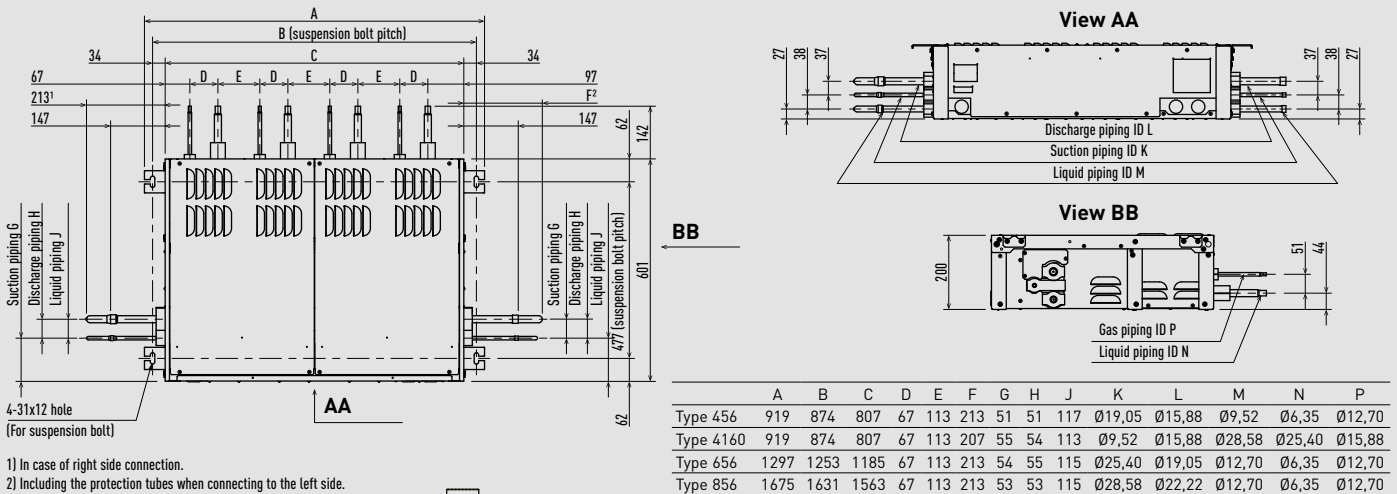
1 Suction refrigerant piping (gas)	Ø28,58	9 Rain and condensation outlet	
2 Discharge refrigerant piping (gas)	Ø25,40	10 Engine exhaust outlet	
3 Refrigerant piping (liquid)	Ø19,05	11 Suspension holes 4-Ø20x30	
4 Exhaust gas drain port	Hose outer diameter: Ø25 (accessory)	12 Anchor holes 4-22x30	
5 Electrical power supply port	Ø28	13 Segmented display	
6 Inter-unit cable port	Ø28	14 Coolant intake (top)	
7 Fuel gas port	R3/4	15 Air inlet	
8 Condensation drain opening	Ø20	16 Coolant level	
		17 Hot water inlet	Rp3/4
		18 Hot water outlet	Rp3/4



Unit: mm

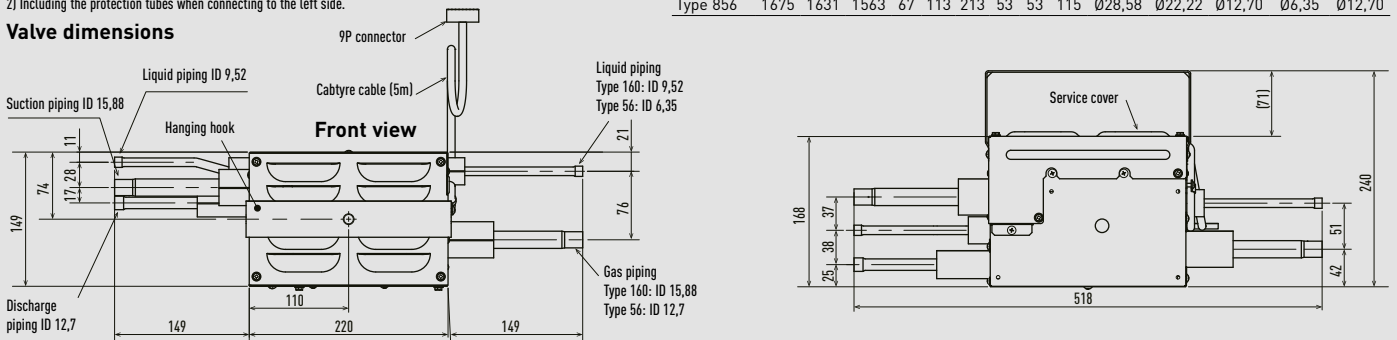
### 3-Pipe Control Box Kit / Multiple connection type.

#### Heat recovery box dimensions



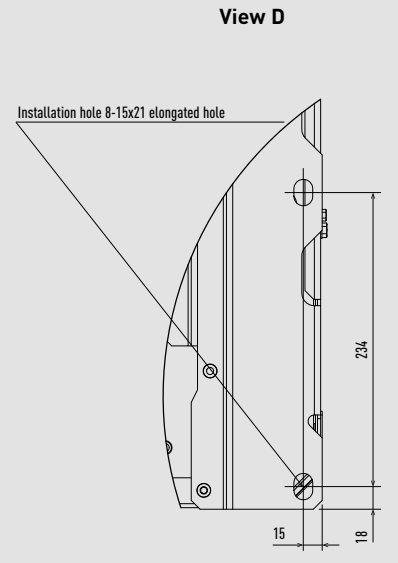
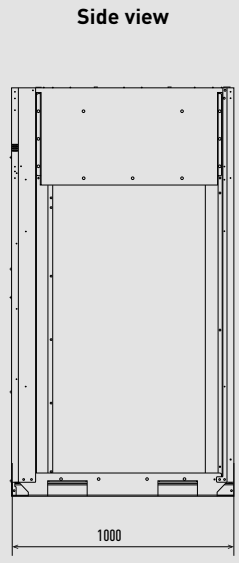
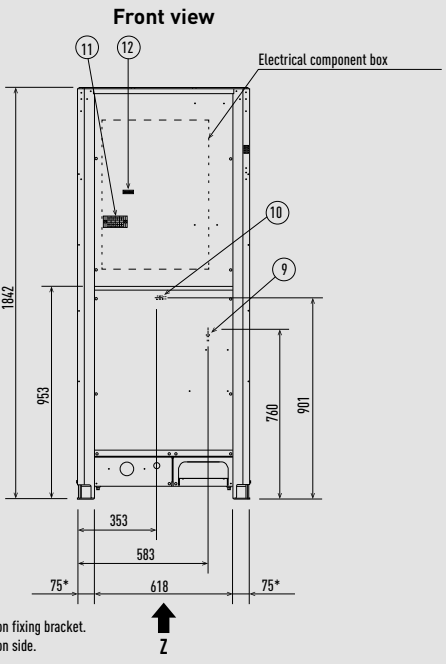
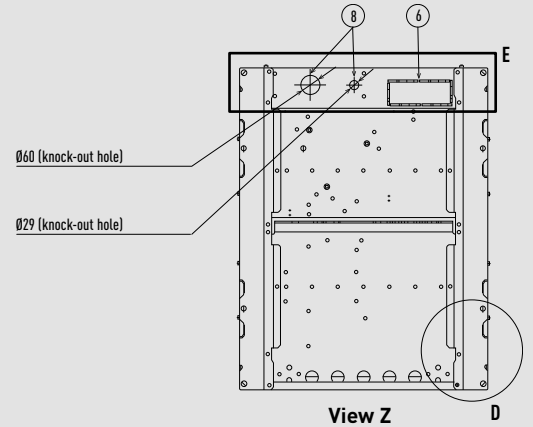
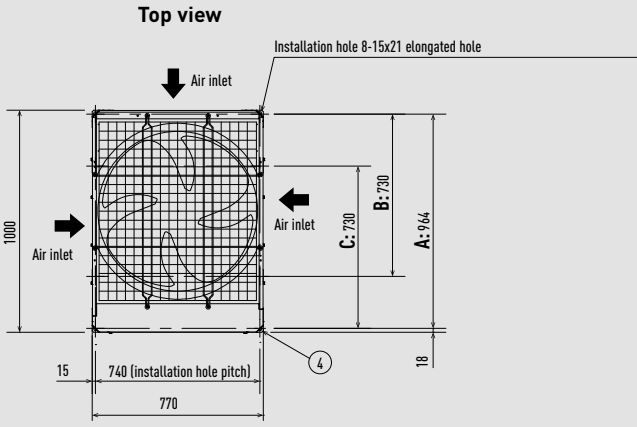
- In case of right side connection.
- Including the protection tubes when connecting to the left side.

#### Valve dimensions

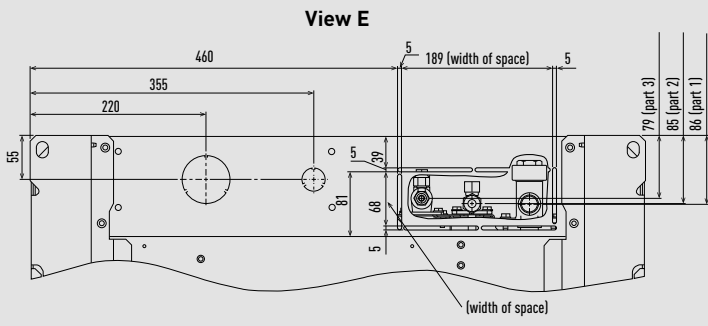


Unit: mm

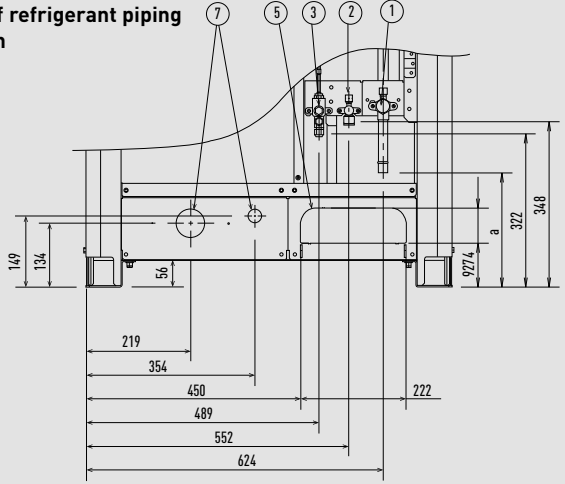
## 2-Pipe Hybrid EHP - U-10MES2E8.



\* Installation fixing bracket. Installation side.



### Position of refrigerant piping connection



- 1 Refrigerant piping (gas), Ø22,22 (brazed)
- 2 Refrigerant piping (liquid), Ø9,52 (flared)
- 3 Refrigerant piping (balance), Ø6,35 (flared)
- 4 Installation hole (8-15x21 elongated holes), anchor bolts M12 or larger
- 5 Refrigerant piping port (front: knock-out hole)
- 6 Refrigerant piping port (bottom: slit hole)
- 7 Electrical wiring port (front: Ø60, Ø29 knock-out hole - for conduit connection)
- 8 Electrical wiring port (bottom: Ø60, Ø29 knock-out hole - for conduit connection)
- 9 Pressure outlet port (for high pressure: Ø7,94 Schrader type connection)
- 10 Pressure outlet port (for low pressure: Ø7,94 Schrader type connection)
- 11 Terminal plate
- 12 Terminal plate for inter-unit control wiring and/or inter-outdoor unit control wiring

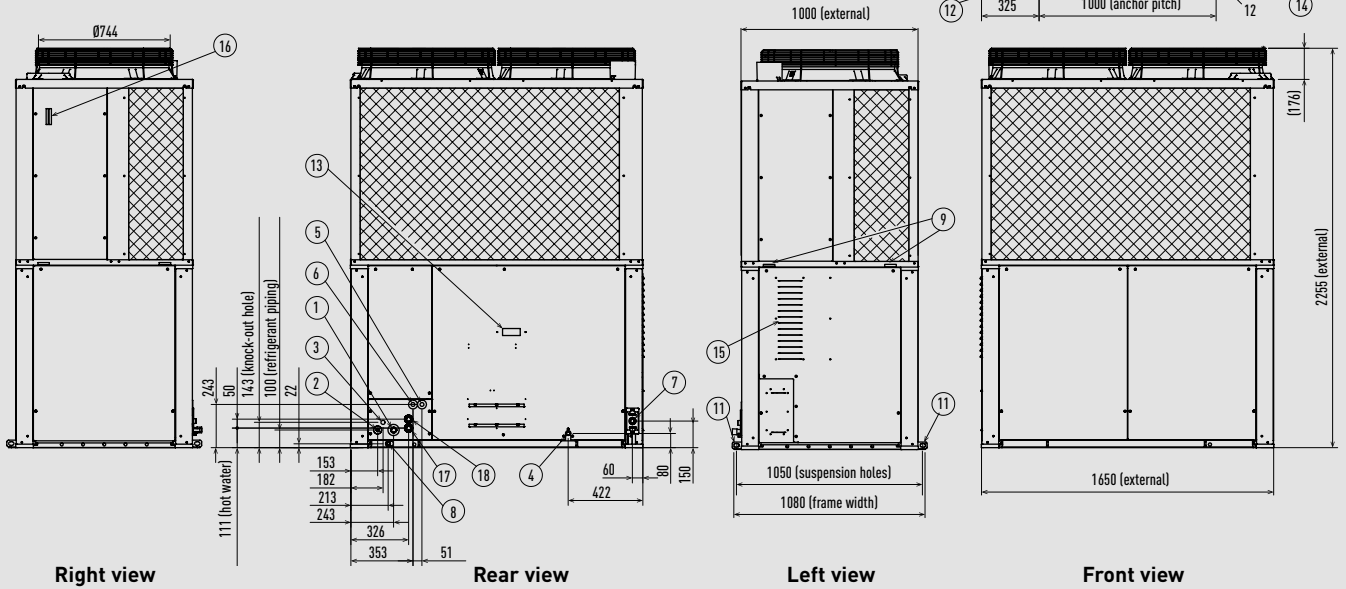
According to the installation site, you may choose the setting position in the depth direction of the anchor bolt from A, B or C.

A: 964 (installation hole pitch). The piping is routed out from the front.  
 B: 730 (installation hole pitch)\*. The piping is routed out from the bottom.  
 C: 730 (installation hole pitch).

\* Installation fixing bracket. Installation side.

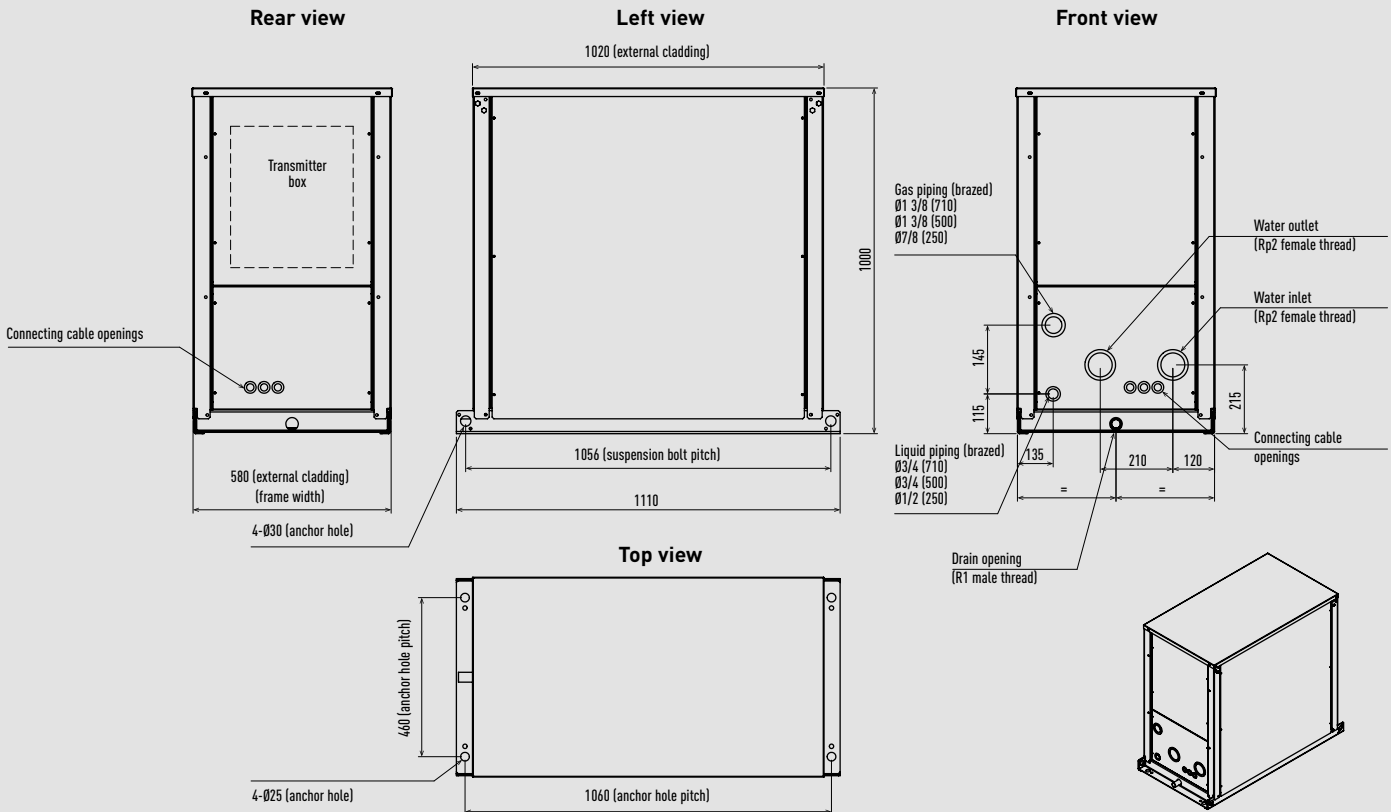
### 2-Pipe Hybrid GHP - U-20GES3E5.

1 Refrigerant piping (gas), Ø28,58	10 Engine exhaust outlet
2 Refrigerant piping (liquid), Ø15,88	11 Suspension holes 4-Ø20x30
3 Knock-out hole. Refrigerant piping (balance)	12 Anchor holes 4-22x30
4 Exhaust gas drain port. Hose outer diameter: Ø25 (accessory)	13 7 segmented display
5 Electrical power supply port, Ø28	14 Coolant intake (top)
6 Inter-unit cable port, Ø28	15 Air inlet
7 Fuel gas port, R3/4	16 Coolant level
8 Condensation drain opening, Ø20	17 Hot water inlet, Rp3/4
9 Rain and condensation outlet	18 Hot water outlet, Rp3/4



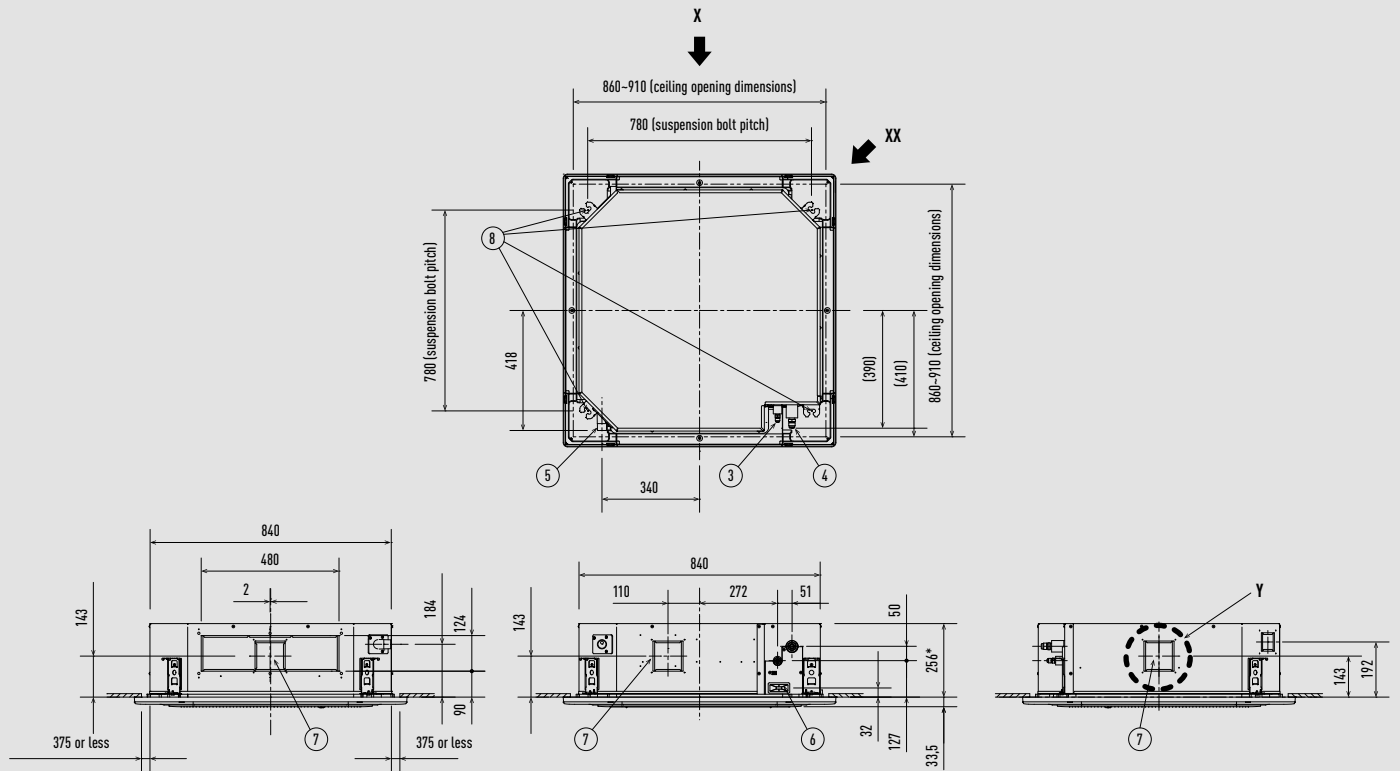
Unit: mm

### Water heat exchanger for chilled and hot water production.

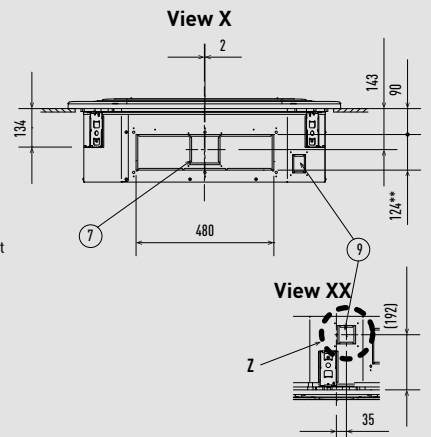
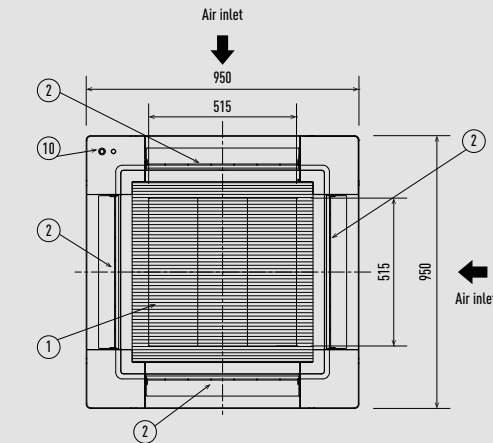
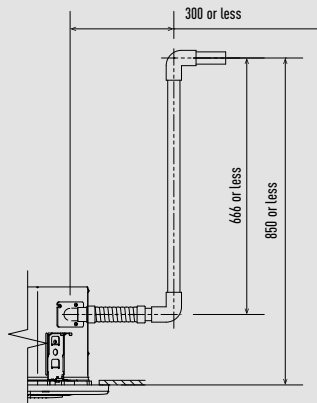


Unit: mm

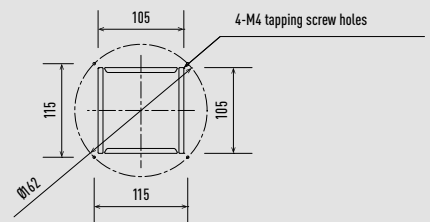
U2 type 4 way 90x90 cassette.



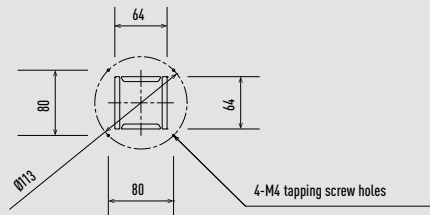
Raise dimension of drain piping



Detailed view Y



Detailed view Z



The length of the suspension bolts should be selected so that there is a gap of 30 mm or more below the lower surface of the ceiling (18 mm or more below the lower surface of the main unit), as shown in the figure at right. If the suspension bolt is too long, it will contact the ceiling panel and the unit cannot be installed.  
Filter dimension: 520 x 520 x 15 mm.

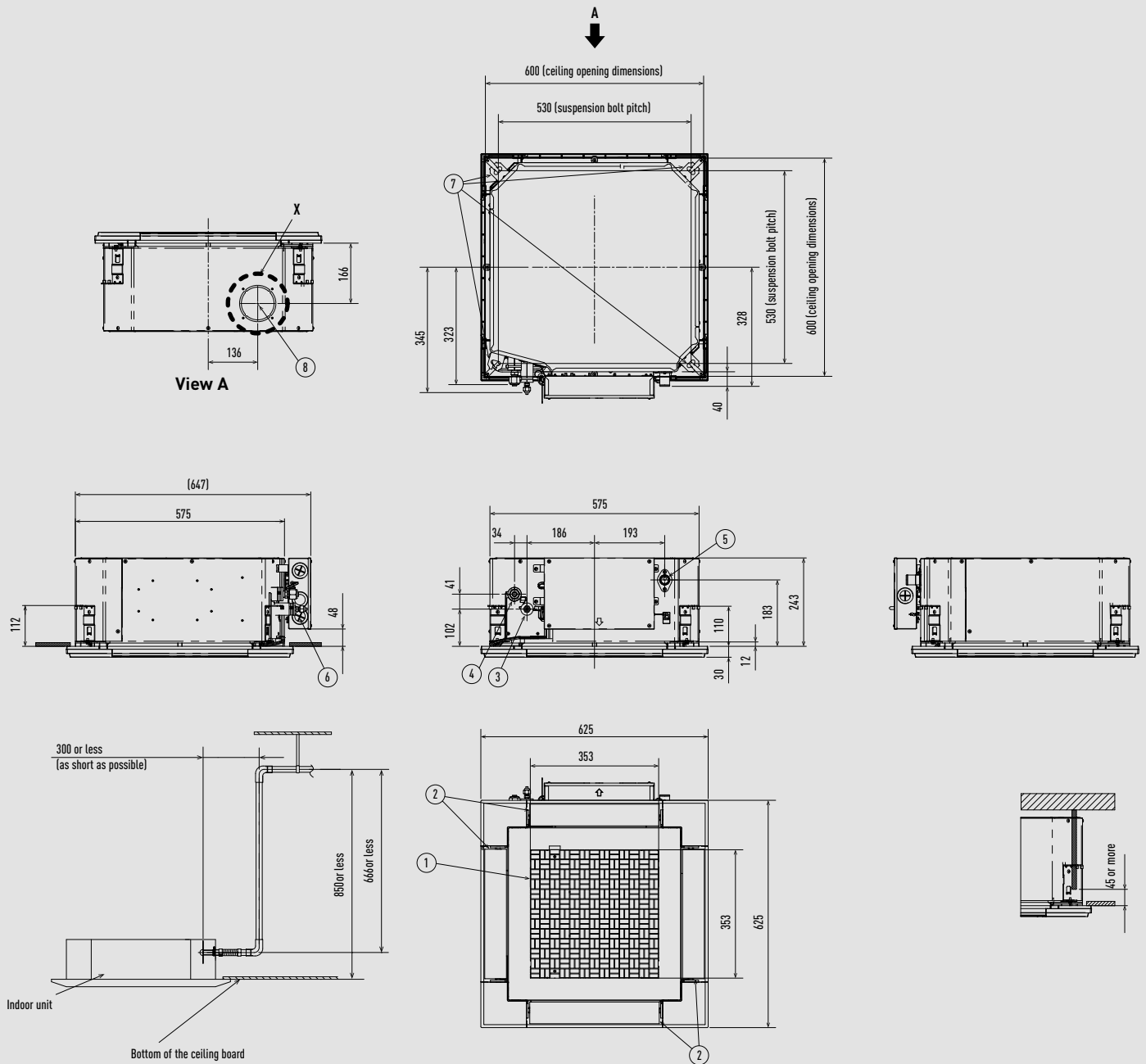
\* 319 mm for S-106MU2E5B / S-140MU2E5B / S-160MU2E5B.  
\*\* 187 mm for S-106MU2E5B / S-140MU2E5B / S-160MU2E5B.

Type	22-56	60-160
1 Air inlet		
2 Air outlet		
3 Refrigerant piping (liquid)	Ø6,35 (flared)	Ø9,52 (flared)
4 Refrigerant piping (gas)	Ø12,70 (flared)	Ø15,88 (flared)
5 Drain piping connection port VP25	Outer diameter 32 mm	
6 Power supply port		
7 Suspension bolt hole	4-12x30 elongated hole	
8 Fresh air inlet duct connection port	Ø100 <sup>1)</sup>	
9 Suspension bolt hole	4-12x30 elongated hole	
10 Econavi sensor (only CZ-KPU3A)		

1) Necessary to attach duct connecting flange(field supplied).

Unit: mm

Y3 type 4 way 60x60 cassette.

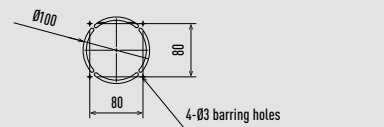


\* Length of supplied drain piping= 250 mm.

1	Air inlet	
2	Air outlet	
3	Refrigerant piping (liquid)	Ø6,35 (flared)
4	Refrigerant piping (gas)	Ø12,70 (flared)
	Drain piping connection port VP20	
6	Power supply port	
7	Suspension bolt hole [4-11x26 slot]	
8	Fresh air inlet duct connection port (Ø100) <sup>1)</sup>	

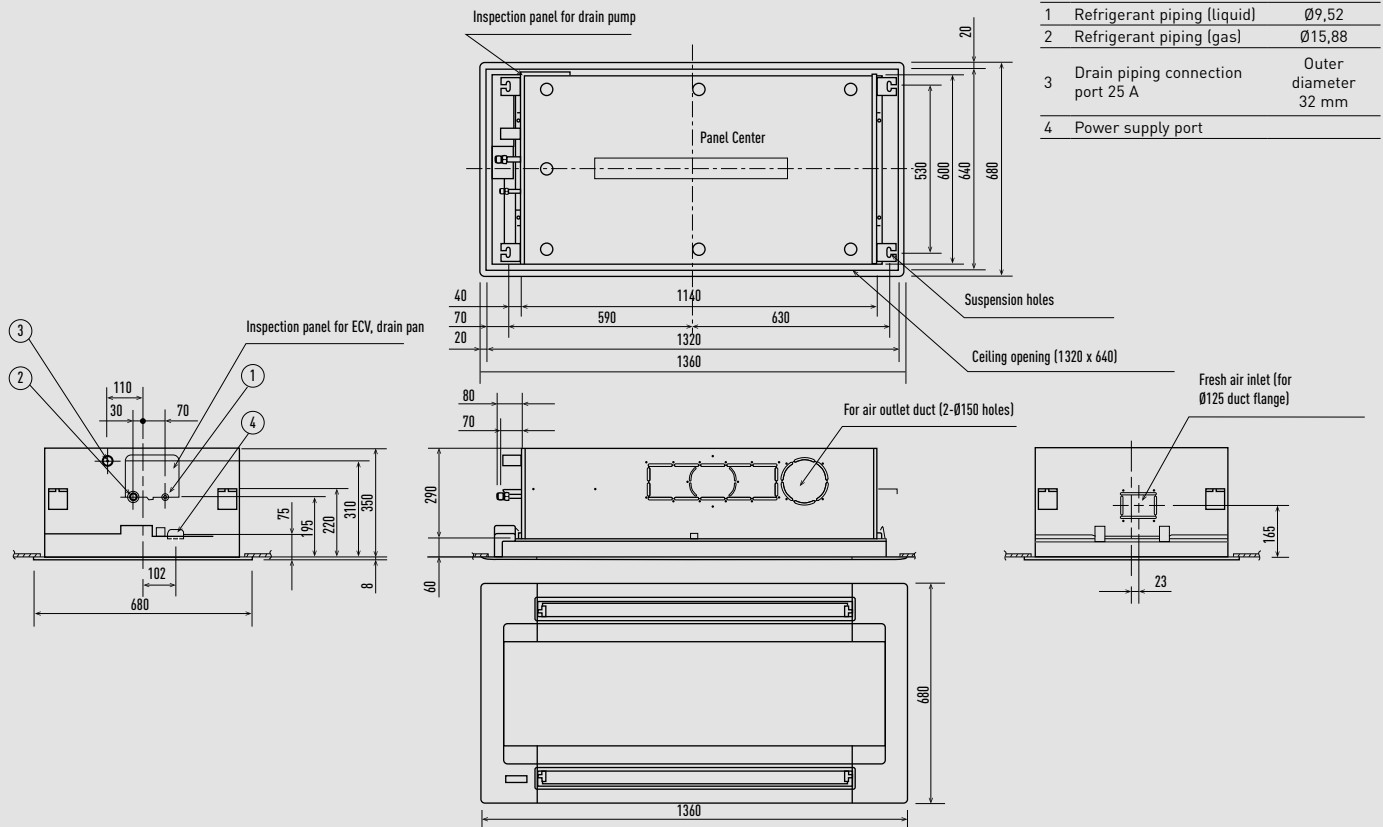
1) Necessary to attach duct connecting flange (field supply).

Filter dimension: 362 x 362 x 15 mm.



Detailed view X

### L1 type 2 Way Cassette.

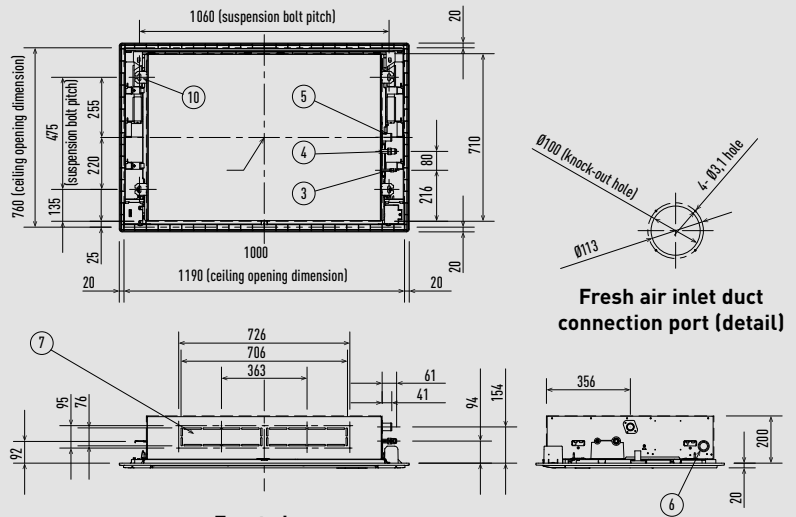


1	Refrigerant piping (liquid)	Ø9,52
2	Refrigerant piping (gas)	Ø15,88
3	Drain piping connection port 25 A	Outer diameter 32 mm
4	Power supply port	

Unit: mm

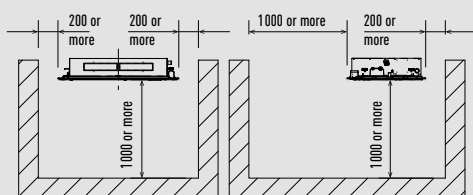
### D1 type 1 way cassette.

	28-56	73
1	Air inlet	
2	Air outlet	
3	Refrigerant piping (liquid)	Ø6,35 (flared) Ø9,52 (flared)
4	Refrigerant piping (gas)	Ø12,70 (flared) Ø15,88 (flared)
5	Drain piping connection port VP25	Outer diameter 32 mm
6	Power supply port	
7	Air outlet duct connection port (for descending ceiling)	
8	Fresh air inlet duct connection port Ø100	
9	Wireless remote controller receiver installation location	
10	Suspension bolt hole 4-12x30 mm	

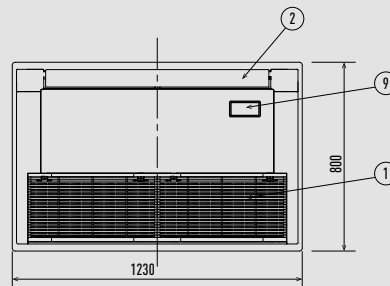


Fresh air inlet duct connection port (detail)

Space necessary for installation

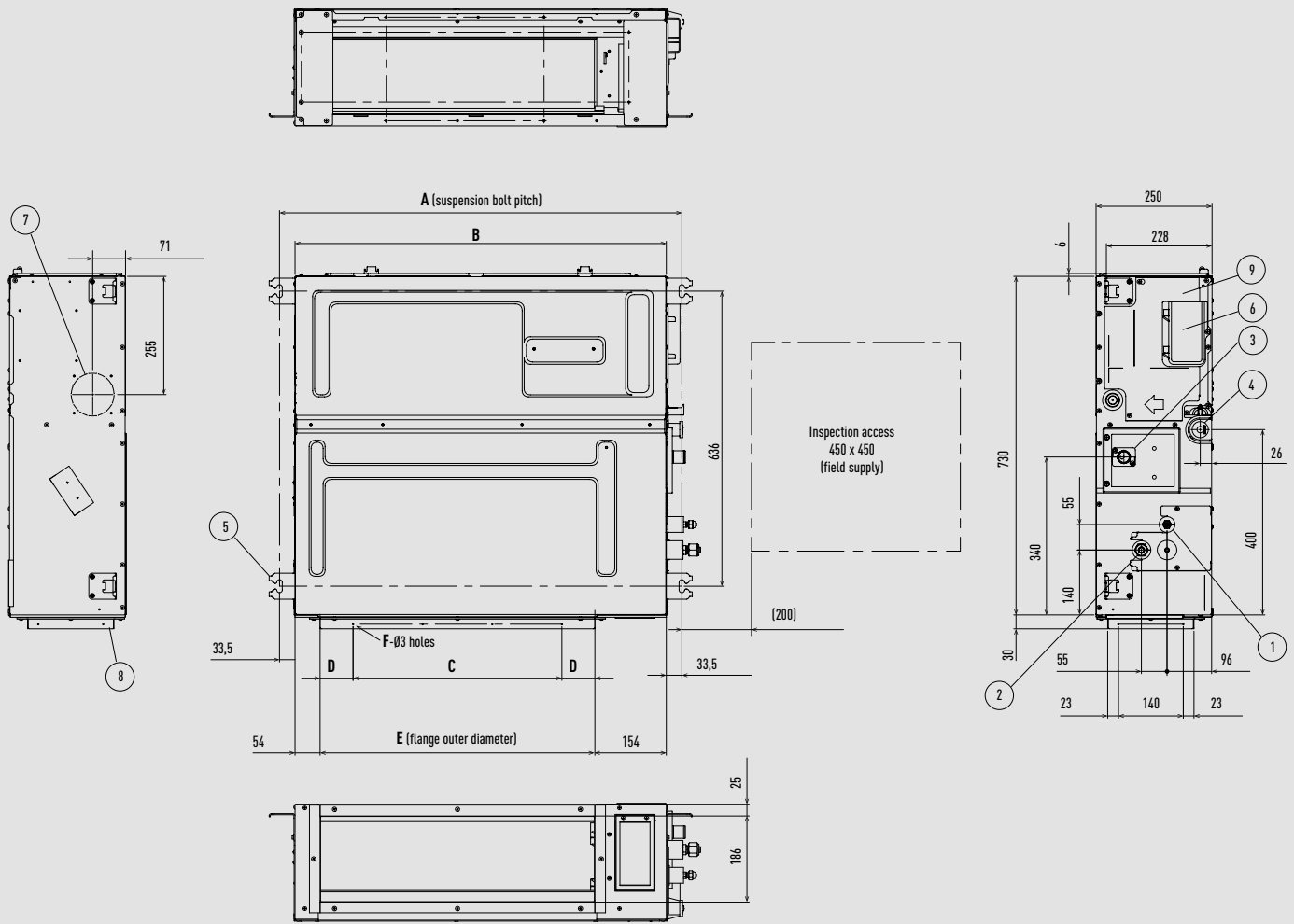


Front view



Unit: mm

F3 type variable static pressure adaptive duct.



	A	B	C	D	E	F
	mm	mm	mm	mm	mm	Q'ty
S-15MF3E5BN, S-22MF3E5BN, S-28MF3E5BN, S-36MF3E5BN, S-45MF3E5BN, S-56MF3E5BN S-15MF3E5AN, S-22MF3E5AN, S-28MF3E5AN, S-36MF3E5AN, S-45MF3E5AN, S-56MF3E5AN	867	800	450 (pitch 150 x 3)	71	592	12
S-60MF3E5BN, S-73MF3E5BN, S-90MF3E5BN S-60MF3E5AN, S-73MF3E5AN, S-90MF3E5AN	1067	1000	750 (pitch 150 x 5)	21	792	16
S-112MF3E5BN, S-140MF3E5BN, S-160MF3E5BN S-112MF3E5AN, S-140MF3E5AN, S-160MF3E5AN	1467	1400	1050 (pitch 150 x 7)	71	1192	20

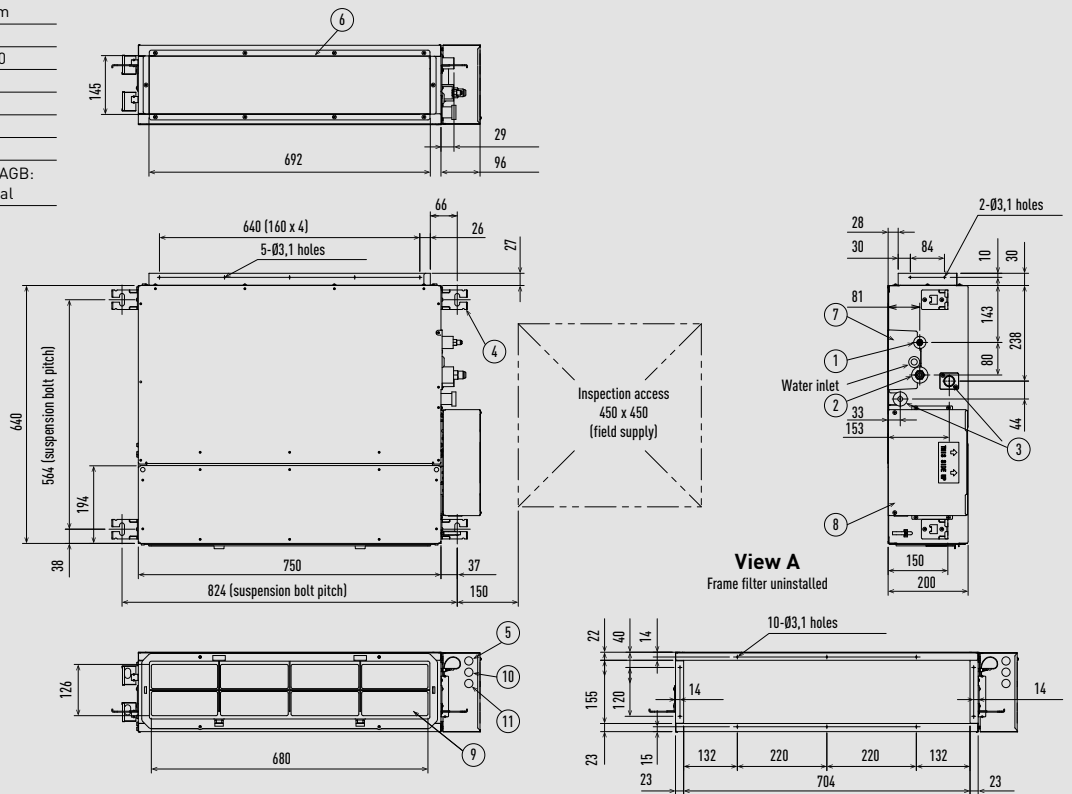
Type	15-90	106-160	15-56	60-160
1 Refrigerant piping (liquid)	Ø6,35 (flared)	Ø9,52 (flared)	Ø12,70 (flared)	Ø15,88 (flared)
2 Refrigerant piping (gas)				
3 Upper drain piping connection port VP20		Outer diameter 26 mm, 200 mm flexible hose supplied		
4 Bottom drain piping connection port VP20		Outer diameter 26 mm		
5 Suspension lug		4-12x30 mm		
6 Power supply port				
7 Fresh air inlet duct connection port		Ø100 mm*		
8 Flange for flexible air discharge duct				
9 Electrical component box				

\* Necessary to attach duct connecting flange (field supply).



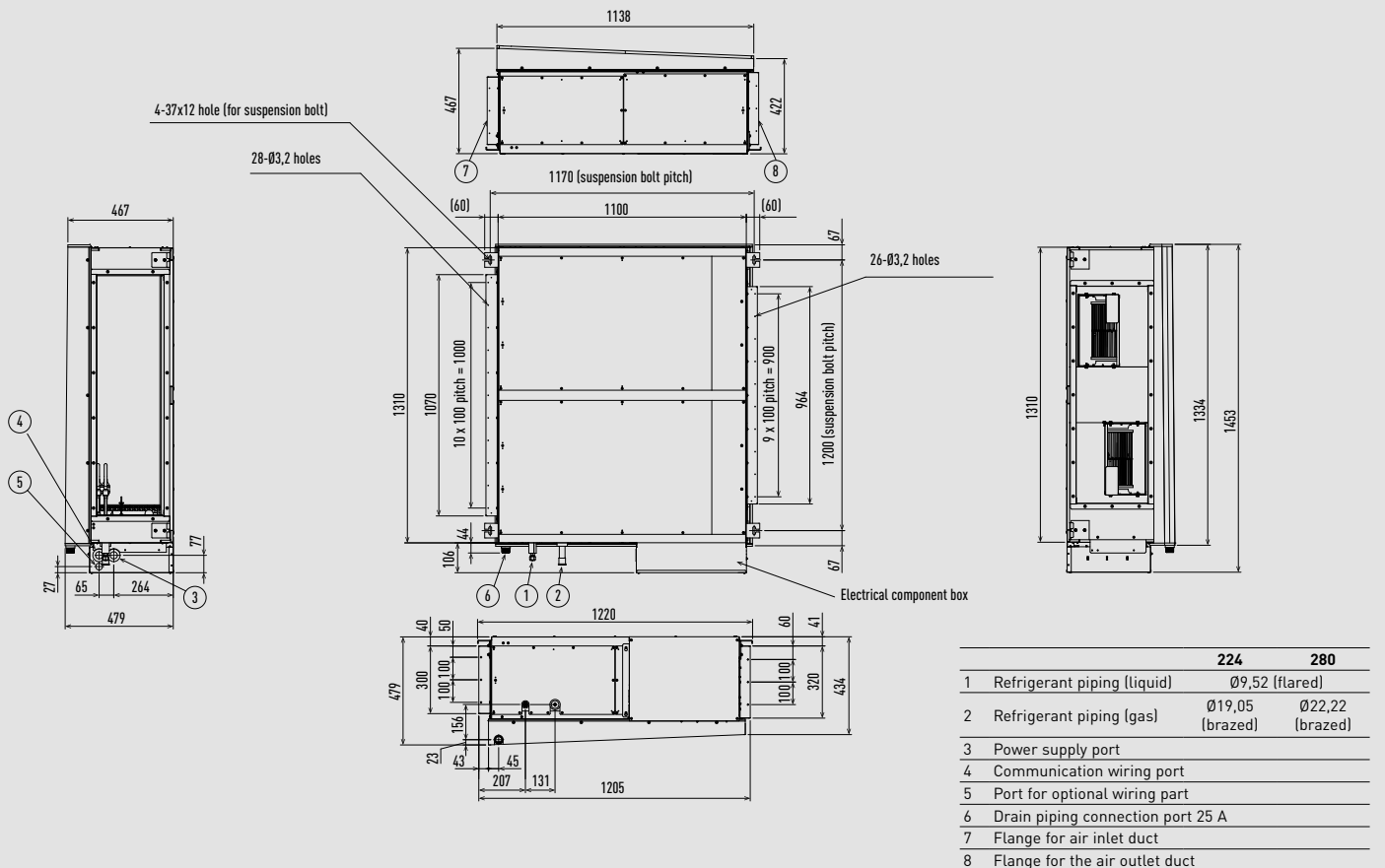
### M1 type slim variable static pressure hide-away concealed duct.

1	Refrigerant piping (narrow piping)	
2	Refrigerant piping (wide piping)	
3	Upper and bottom drain port	Outer diameter 26 mm
4	Suspension lug	
5	Power supply port	2-Ø30
6	Flange for air inlet duct	
7	PL cover	
8	Electrical component box	
9	Frame filter	
10	Signal output board	ACC-SG-AGB: optional



Unit: mm

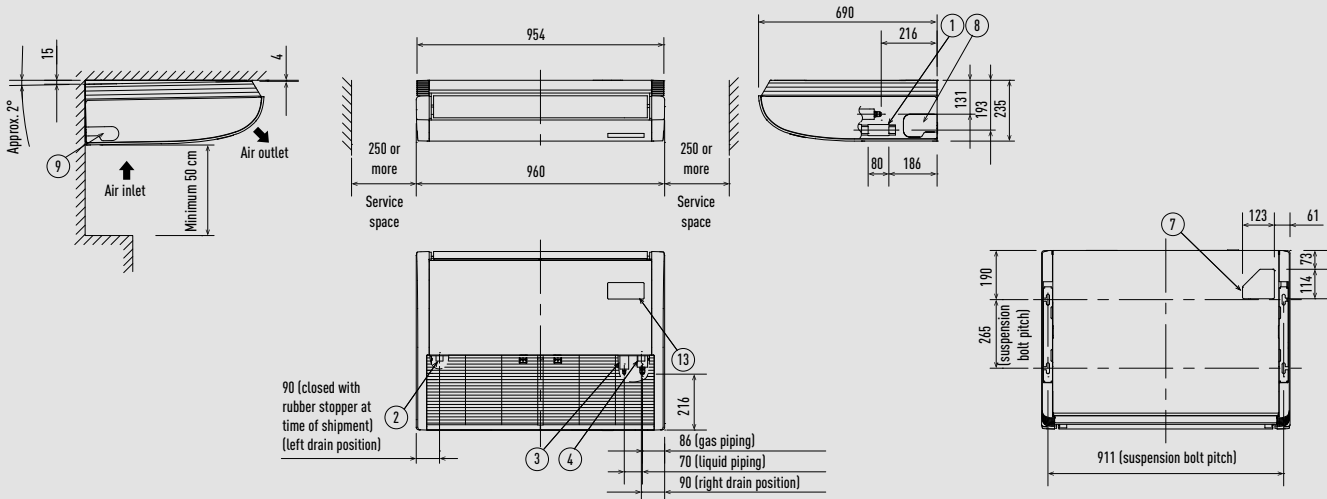
### E2 type high static pressure hide-away.



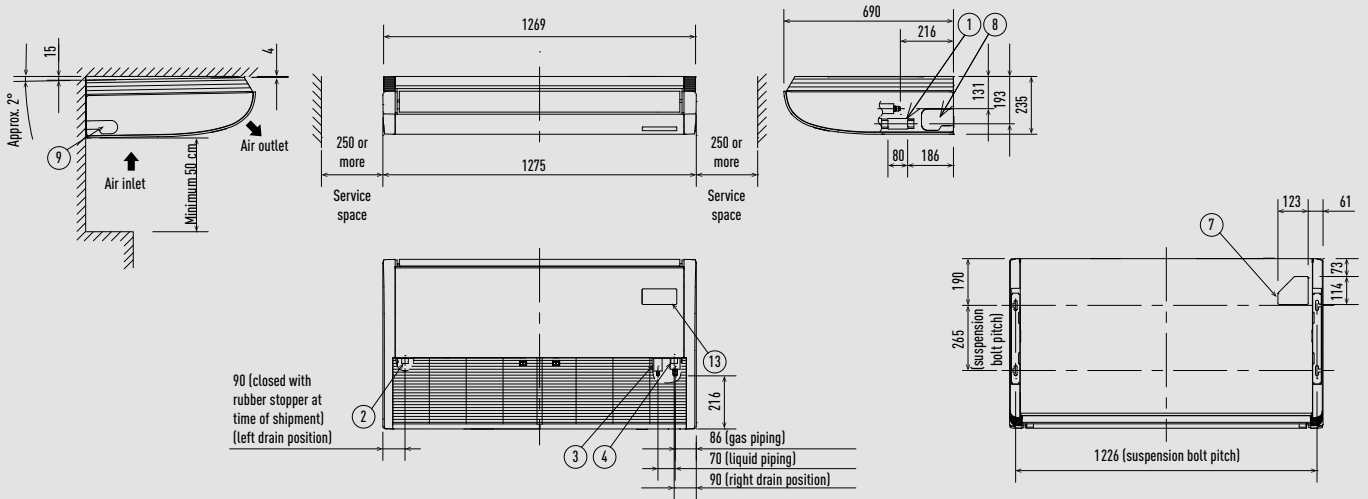
Unit: mm

T2 type ceiling.

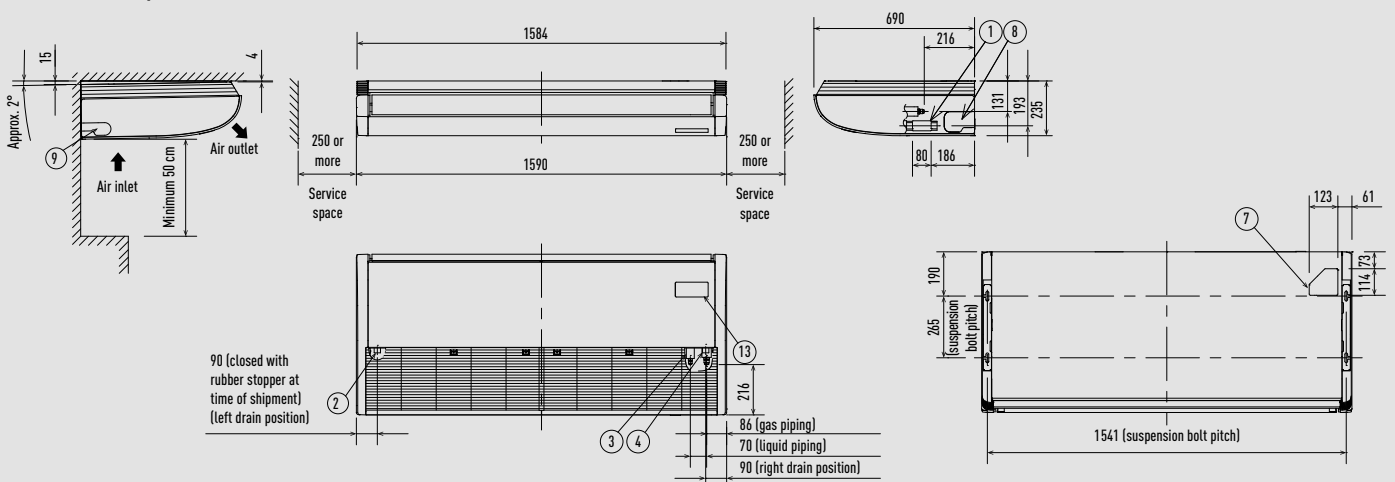
S-36MT2E5A / S-45MT2E5A / S-56MT2E5A



S-73MT2E5A



S-106MT2E5A / S-140MT2E5A



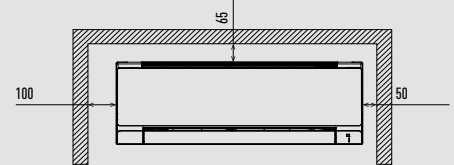
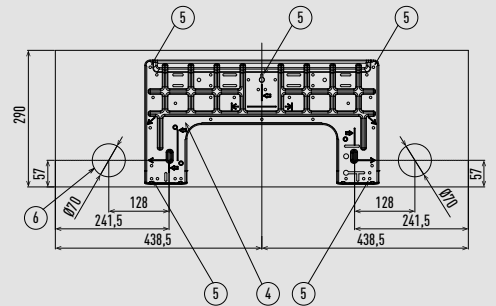
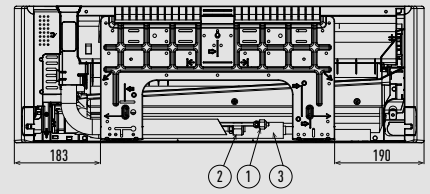
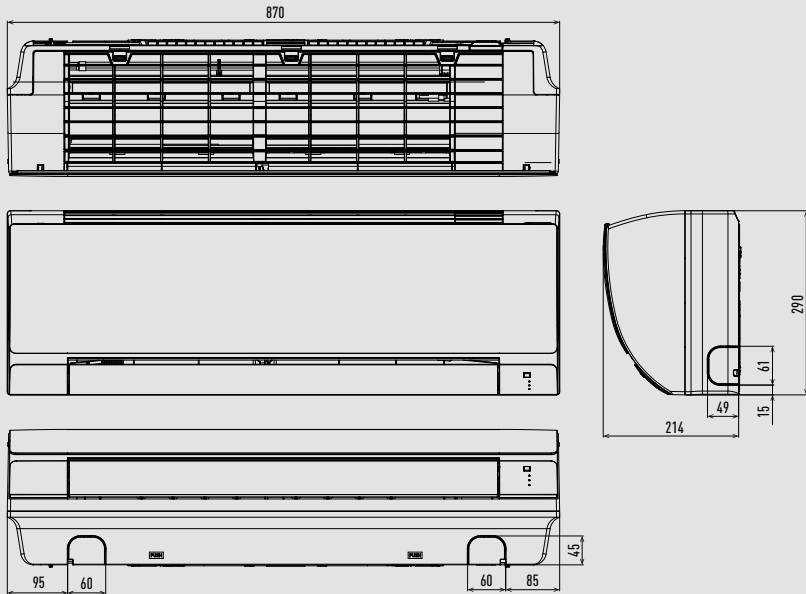
1	Drain piping connection port VP20	Inside diameter 26 mm, drain hose supplied
2	Left drain position	
3	Refrigerant piping (liquid)	Ø9,52 (flared)
4	Refrigerant piping (gas)	Ø15,88 (flared)

5	Left side drain hose outlet port (cutout)	
6	Piping hole on wall surface	Ø100 mm
7	Upper side piping port	
8	Right side drain hose outlet port (cutout)	
9	Wireless remote controller receiver installation location	

Unit: mm

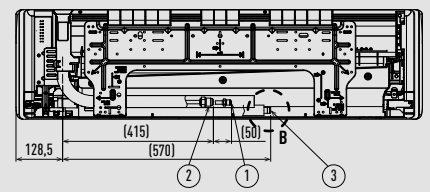
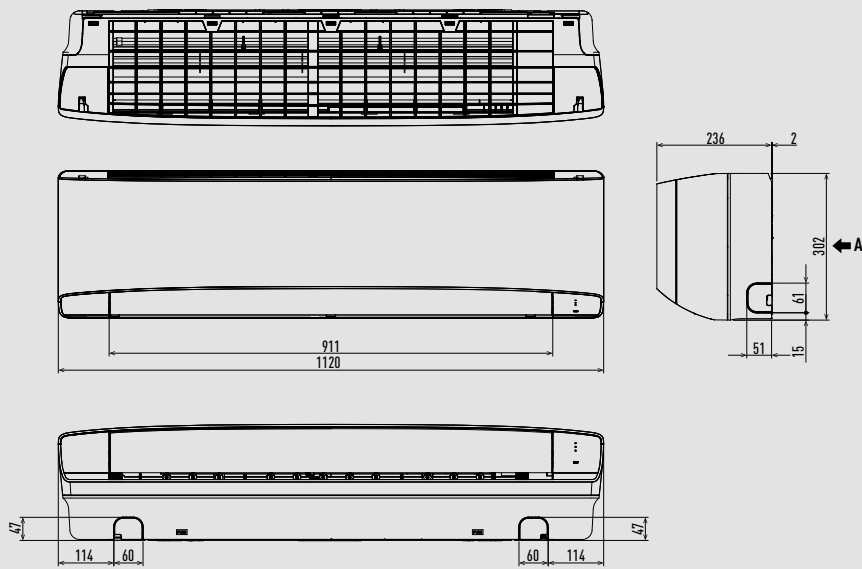
K2 type wall-mounted.

S-15MK2E5B / S-22MK2E5B / S-28MK2E5B / S-36MK2E5B

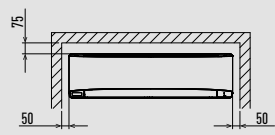
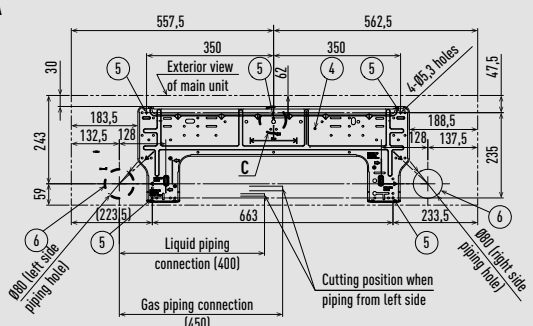


1	Refrigerant piping (liquid)	Ø6,35 (flared)
2	Drain hose	Outer diameter 16 mm
3	Rear panel	
4	Refrigerant piping (gas)	Ø12,70 (flared)
5	Rear panel fixing holes	
6	Piping and wiring holes	Ø70

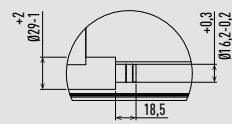
S-45MK2E5B / S-56MK2E5B / S-73MK2E5B / S-106MK2E5B



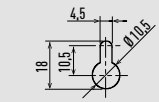
View A



Minimum space requirements for installation



Detailed view B

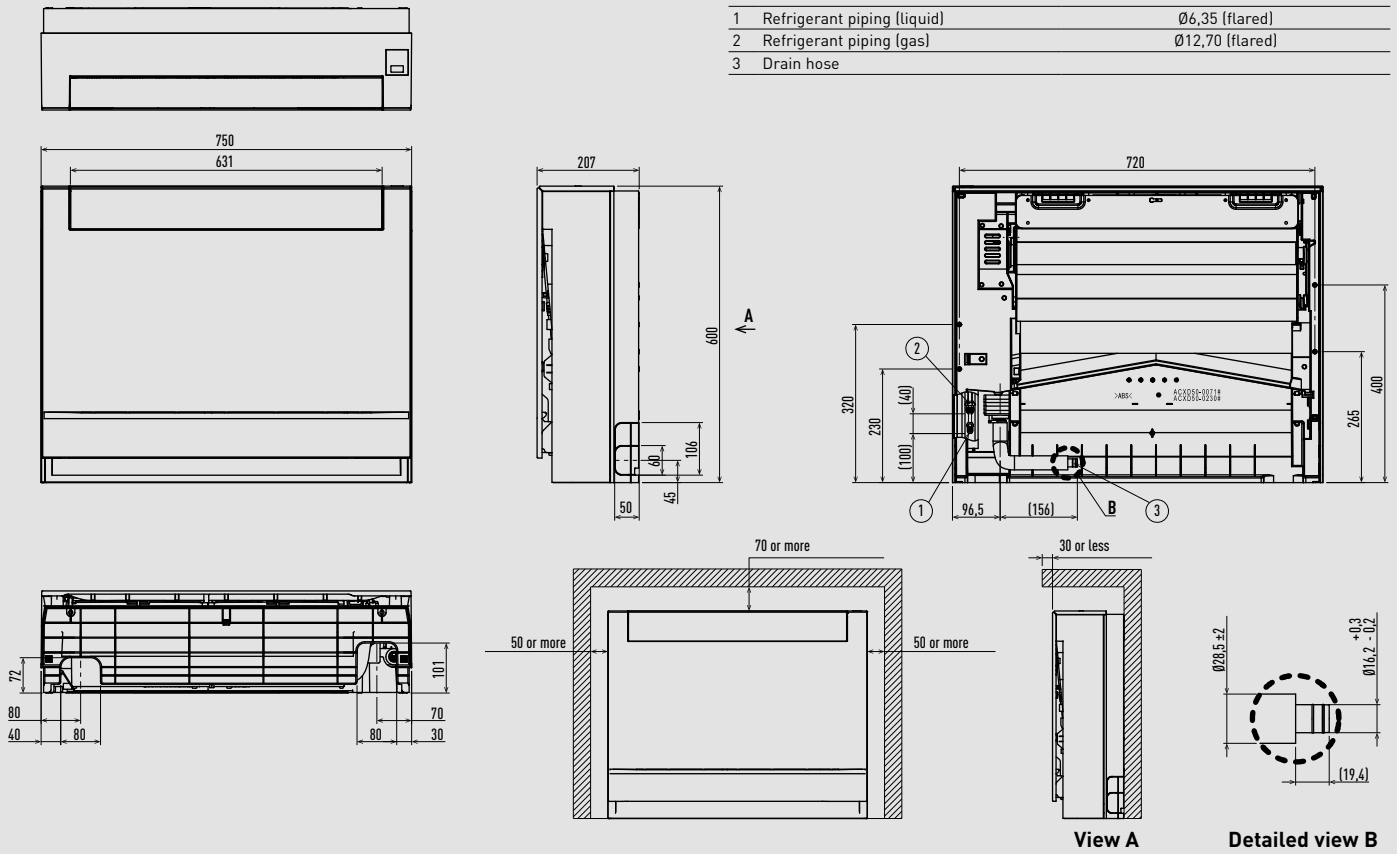


Detailed view C

Type	45-56	73-106
1	Refrigerant piping (liquid) Ø6,35 (flared)	Ø9,52 (flared)
2	Refrigerant piping (gas) Ø12,70 (flared)	Ø15,88 (flared)
3	Drain hose	
4	Rear panel	
5	Rear panel fixing holes (Ø5,3 holes or as shown in figure "C")	
6	Piping and wiring holes (Ø80)	

Unit: mm

G1 type floor console.

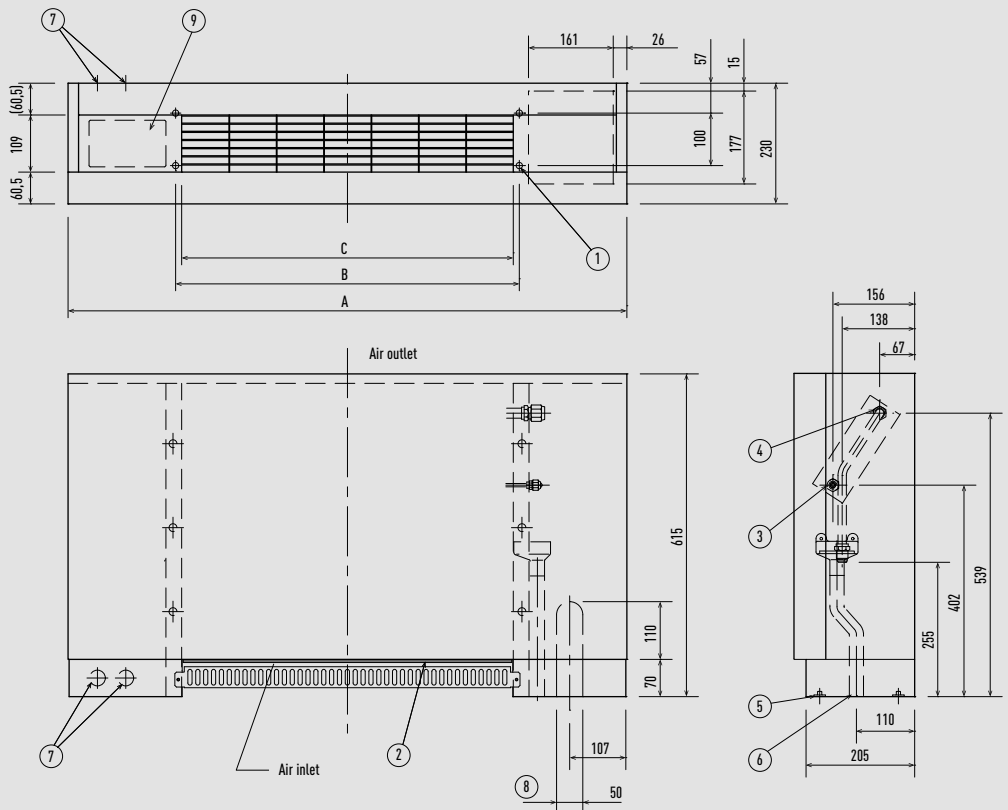


Unit: mm

P1 type floor-standing.

- 1 4-Ø12 holes (for fastening the indoor unit to the floor with screws)
- 2 Air filter
- 3 Refrigerant piping (liquid)
- 4 Refrigerant piping (gas)
- 5 Level adjusting bolt
- 6 Drain piping connection port 20 A
- 7 Power cord outlet (downward, rear)
- 8 Refrigerant piping outlet (downward, rear)
- 9 Location for mounting the remote controller (remote controller can be attached within the room)

	A	B	C	Liquid piping	Gas piping
22-36	1065	665	632		
45				Ø6,35	Ø12,70
56	1380	980	947		
71				Ø9,52	Ø15,88

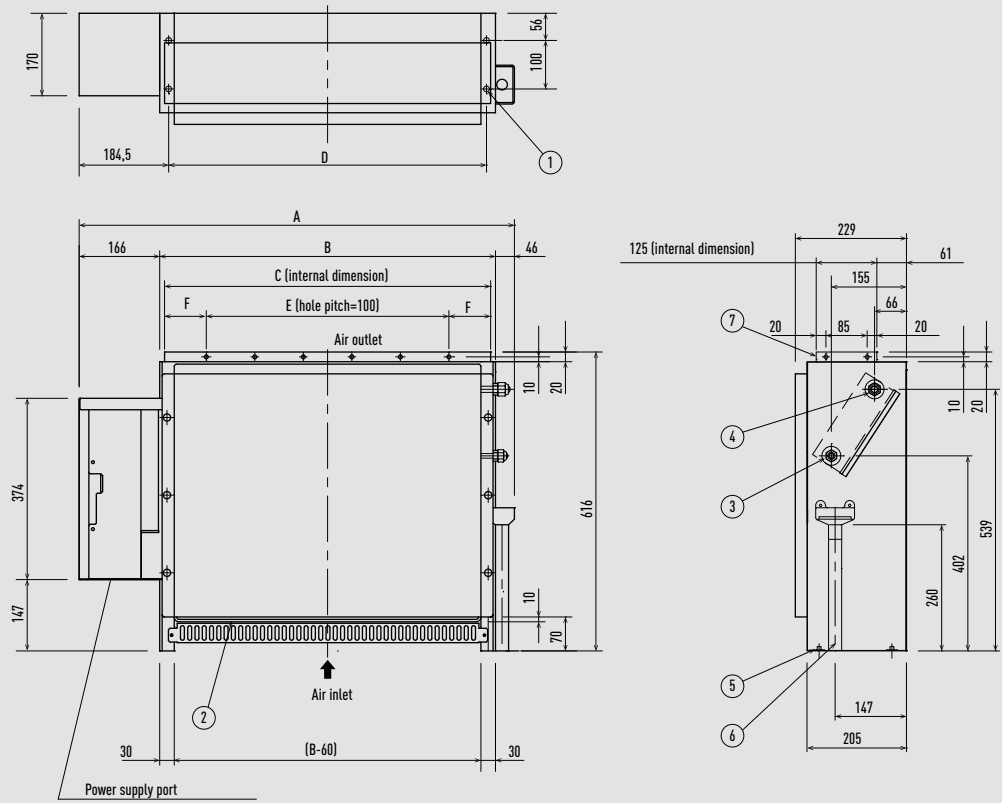


Unit: mm

R1 type concealed floor-standing.

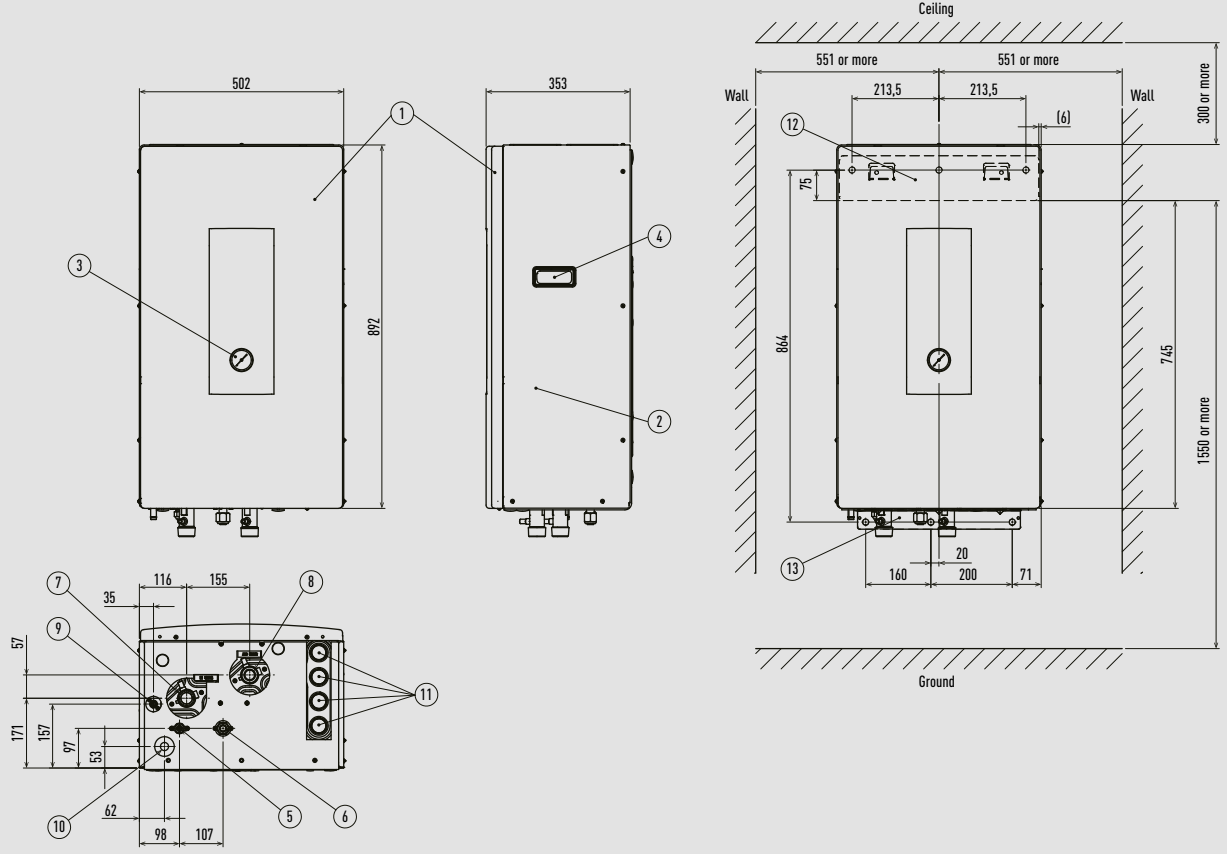
- 1 4-Ø12 holes (for fastening the indoor unit to the floor with screws)
- 2 Air filter
- 3 Refrigerant piping (liquid)
- 4 Refrigerant piping (gas)
- 5 Level adjusting bolt
- 6 Drain piping connection port 20 A
- 7 Flange for the air outlet duct

	22-36	45	56	71
A	904		1219	
B	692		1007	
C	672		1002	
D	665		980	
E	500		900	
F	86		51	
Liquid piping	Ø6,35		Ø9,52	
Gas piping	Ø12,70		Ø15,88	



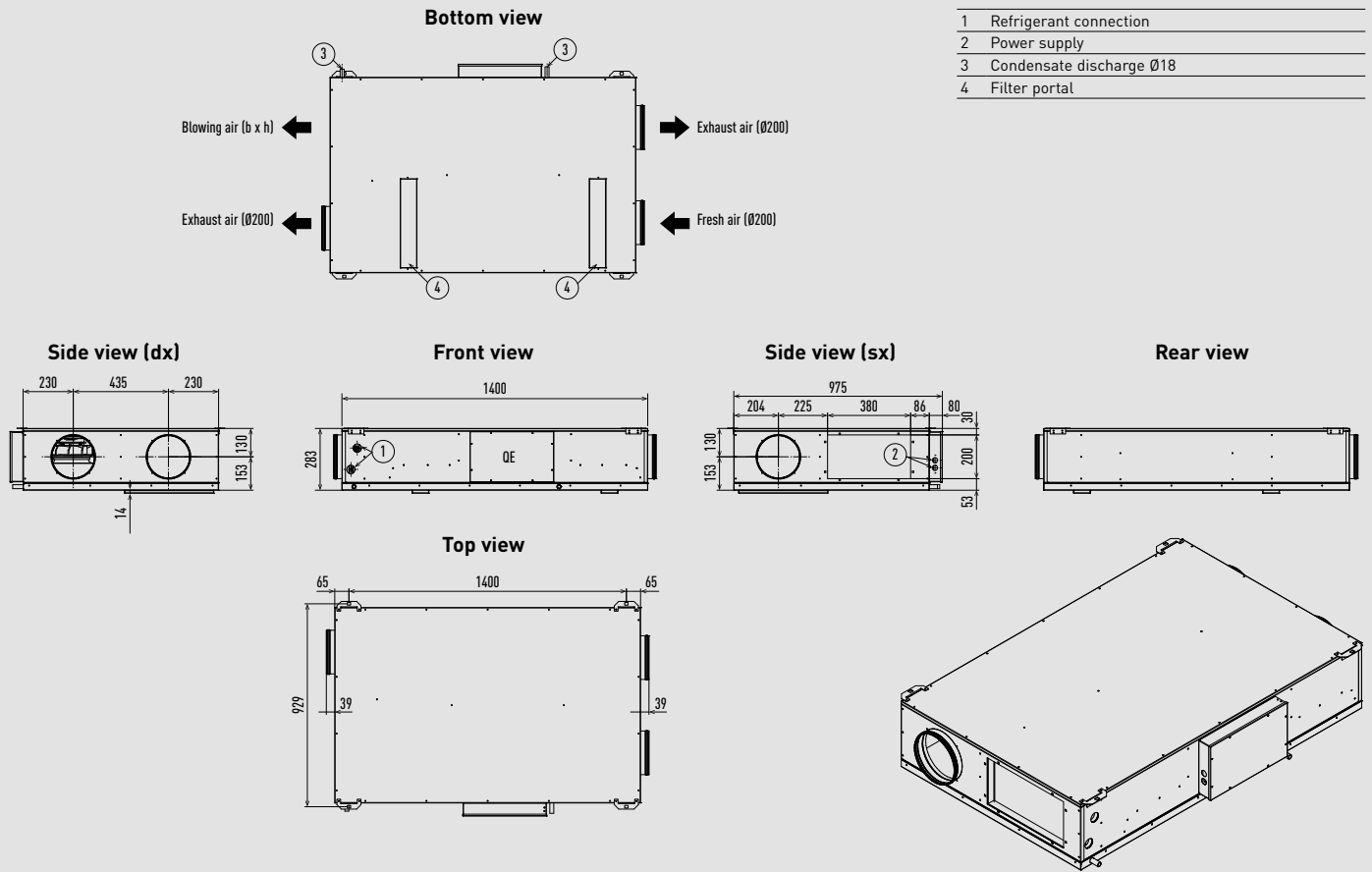
Unit: mm

Hydrokit for ECOi, water at 45 °C.



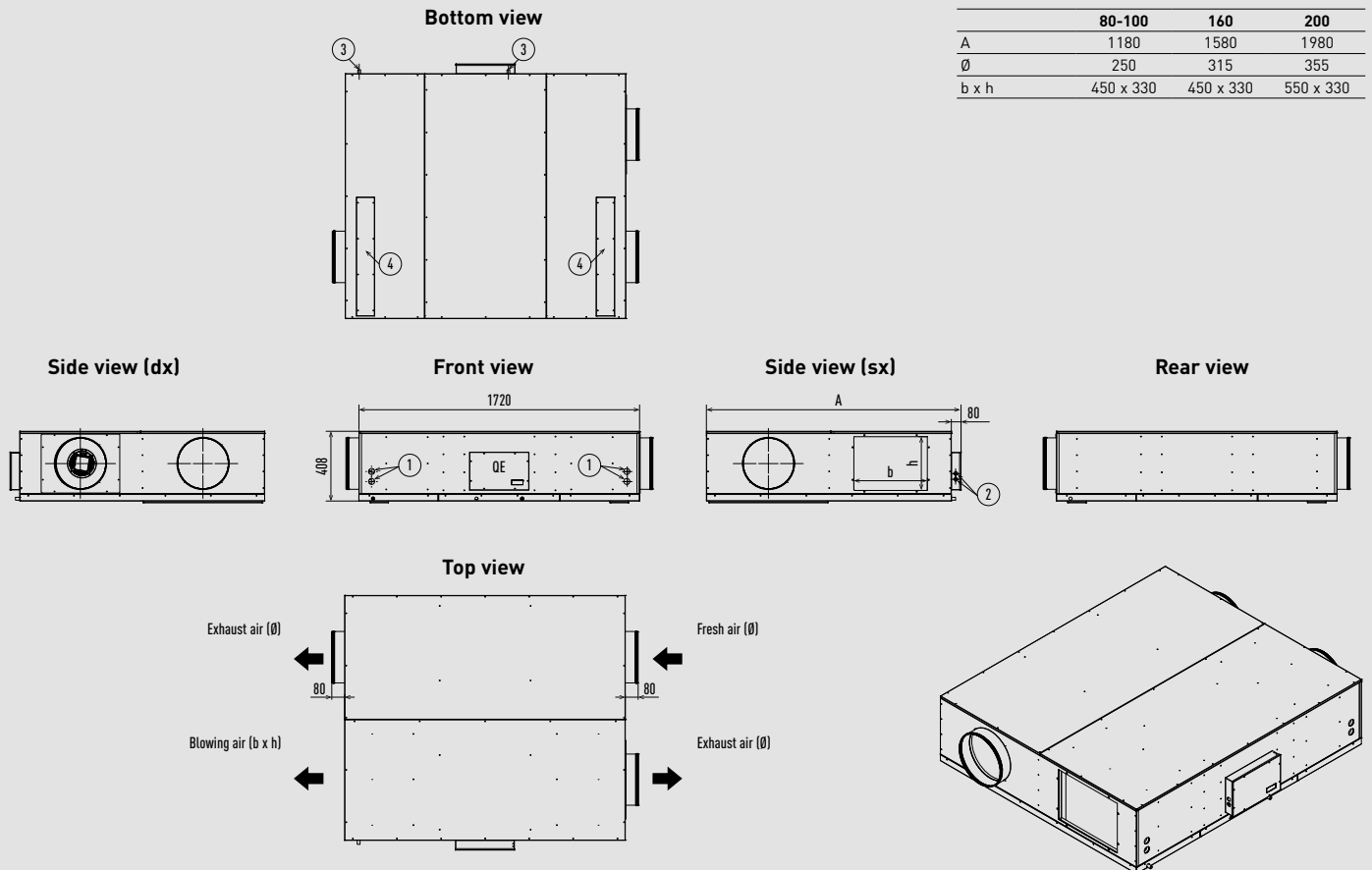
Unit: mm

ERV with DX coil - HRPT Series - PAW-HRPT40HX.



Unit: mm

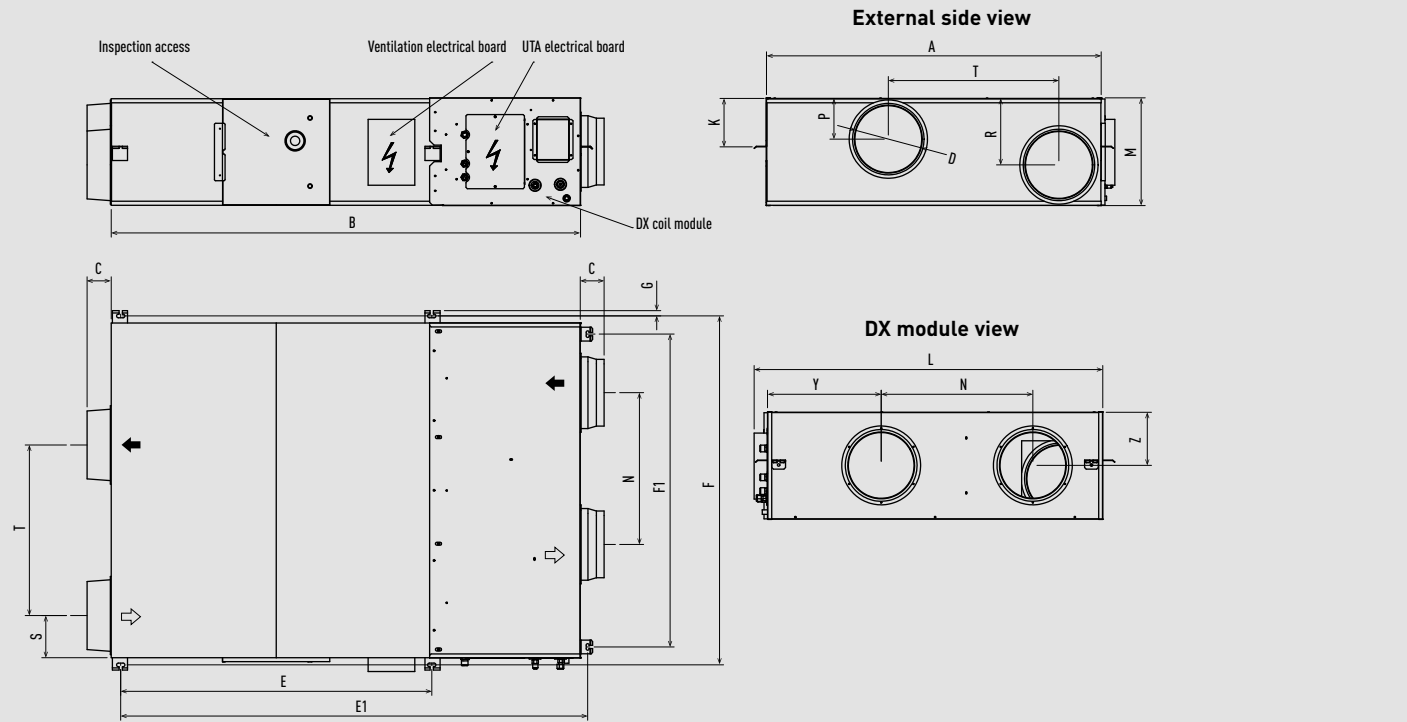
ERV with DX coil - HRPT Series - PAW-HRPT80HX / PAW-HRPT120HX / PAW-HRPT160HX / PAW-HRPT200HX.



Unit: mm

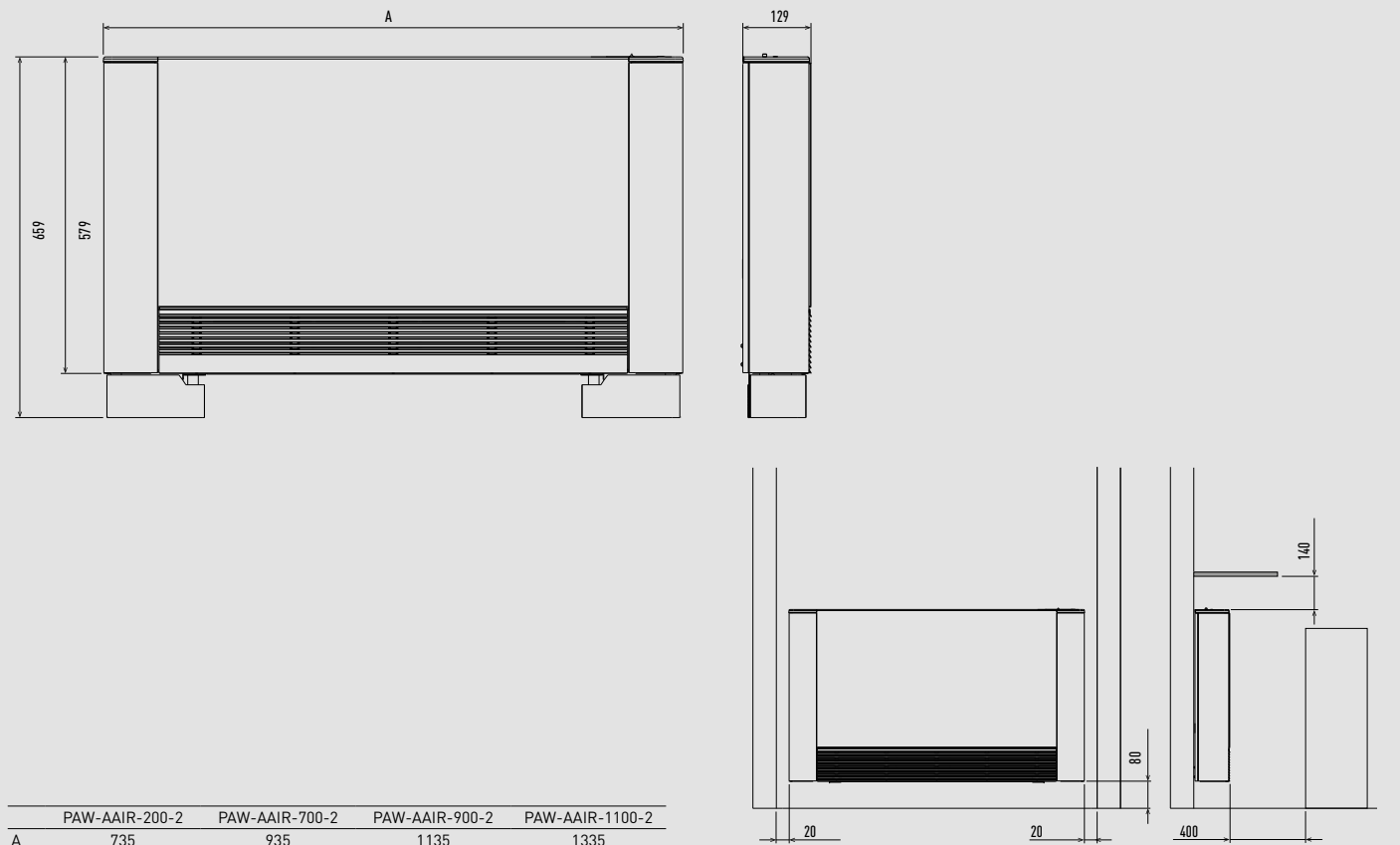
Heat recovery with DX coil - ZDX Series.

	A	B	C	D	E	E1	F	F1	G	L	T	K	M	N	P	R	S	Y	Z	Net weight
<b>PAW-500ZDX3N</b>	904	1400	107	200	825	1395	960	830	19	955	500	135	270	350	135	135	202	350	135	90 - 98
<b>PAW-800ZDX3N</b>	1134	1745	85	250	1115	1735	1190	1060	19	1200	678	170	388	500	170	170	228	415	195	100 - 110
<b>PAW-01KZDX3N</b>	1216	1700	85	250	1130	1700	1273	1140	19	1290	621	171	388	550	146	241	151	415	195	105 - 120



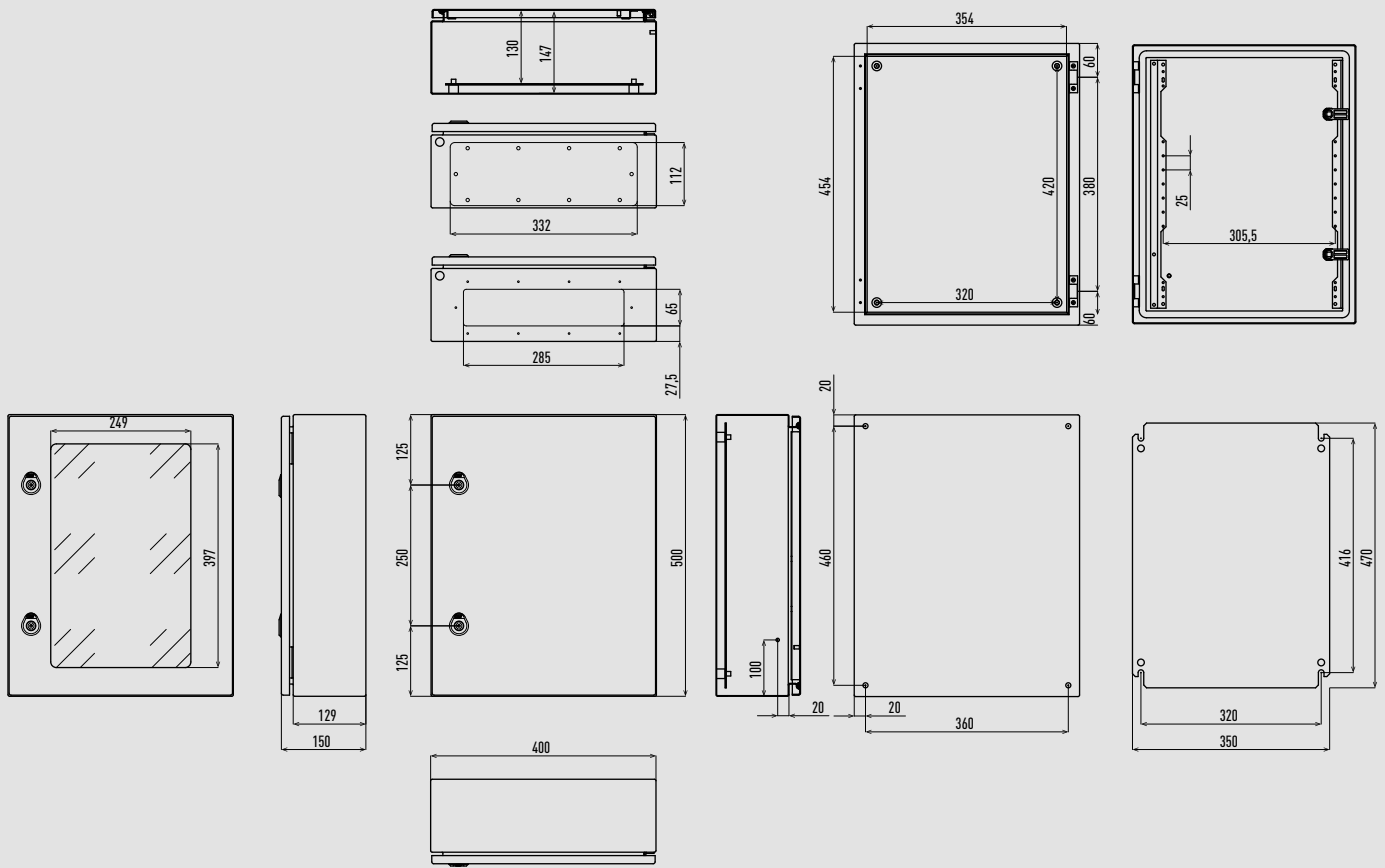
Unit: mm

Smart fan coils.



Unit: mm

AHU connection kit for PACi, ECOi and ECO G.

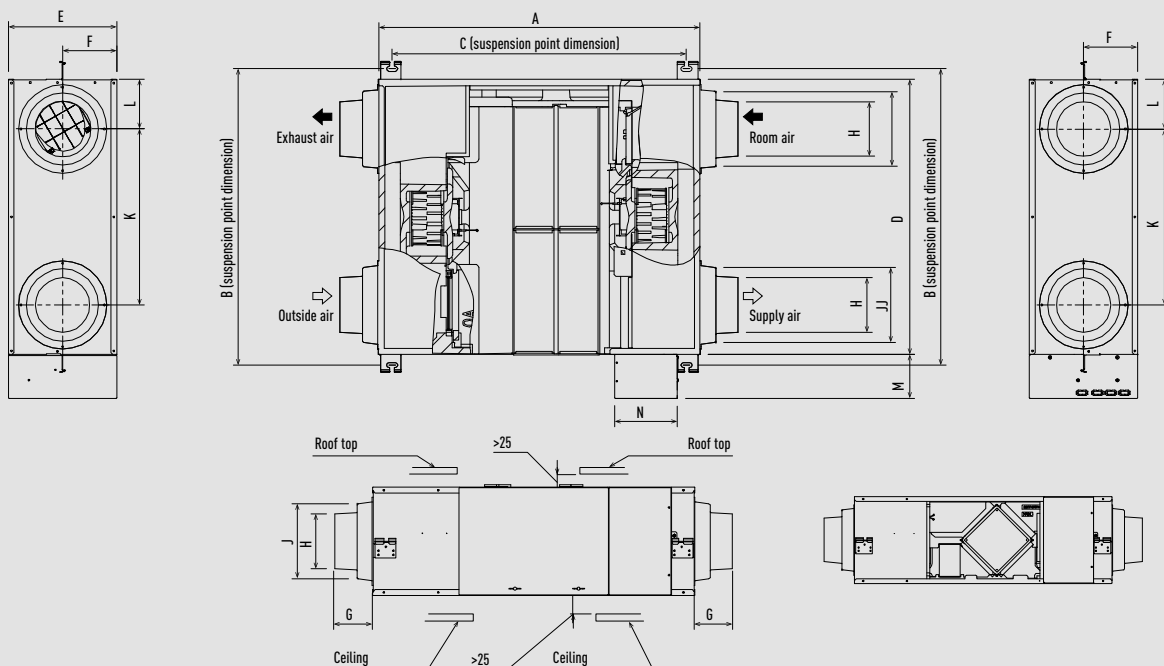


Unit: mm

Advanced energy recovery ventilation - ZY Series.

FV-15ZY1G / FV-25ZY1G / FV-35ZY1G / FV-50ZY1G / FV-65ZY1G / FV-80ZY1G / FV-1KZY1G

	A	B	C	D	E	F	G	H	J	K	L	M	N	Duct diameter
<b>FV-15ZY1G</b>	860	666	786	610	289	144,5	102	Ø97,6	Ø150	395	107,5	116	168	Ø100
<b>FV-25ZY1G</b>	860	791	786	735	289	144,5	102	Ø145	Ø200	470	132,5	116	168	Ø150
<b>FV-35ZY1G</b>	968	930	895	874	331	165,5	102	Ø145	Ø200	609	132,5	115	168	Ø150
<b>FV-50ZY1G</b>	968	1072	895	1016	331	165,5	114	Ø195	Ø250	665	175,5	115	168	Ø200
<b>FV-65ZY1G</b>	1008	1010	934	954	404	202	114	Ø195	Ø250	638	158	121	168	Ø200
<b>FV-80ZY1G</b>	1224	1060	1148	1004	404	202	122	Ø245	Ø300	633	185,5	121	168	Ø250
<b>FV-1KZY1G</b>	1224	1287	1148	1231	404	202	122	Ø245	Ø300	860	185,5	121	168	Ø250



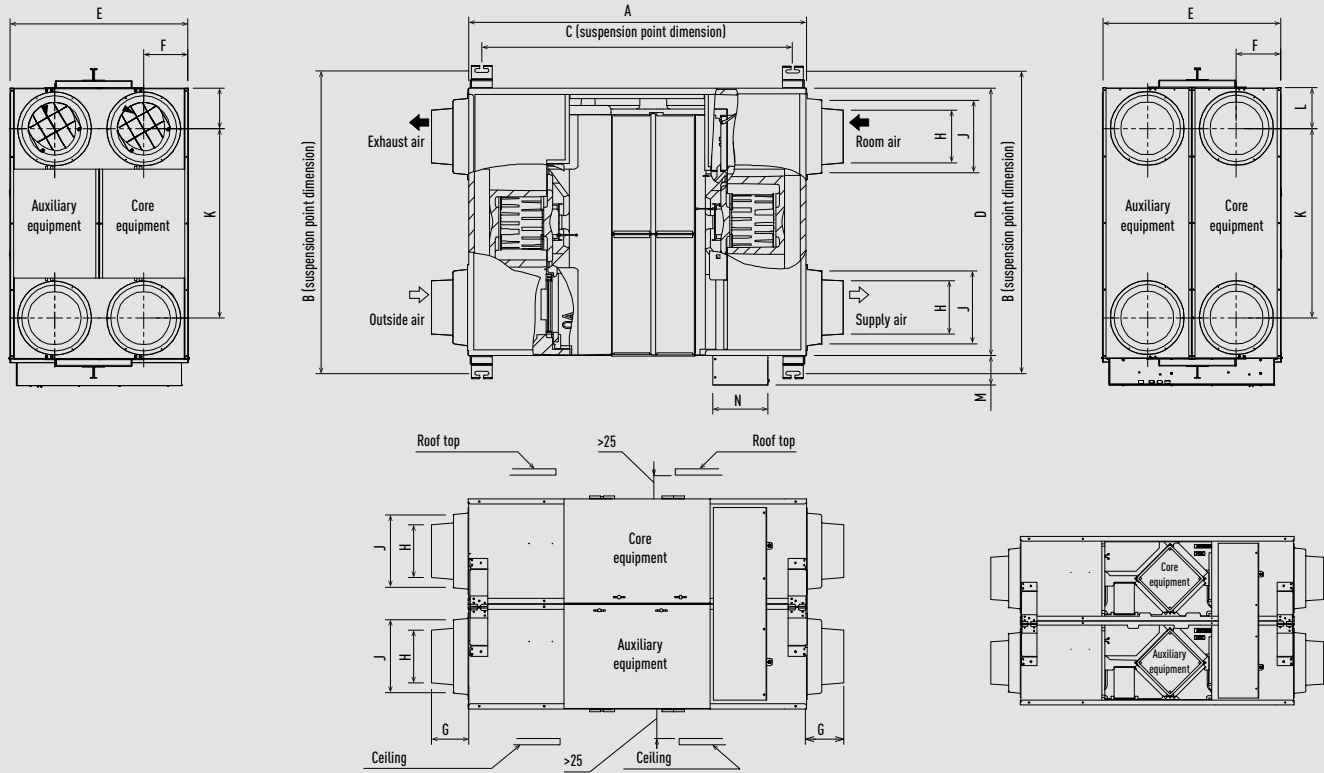
Unit: mm



### Advanced energy recovery ventilation - ZY Series.

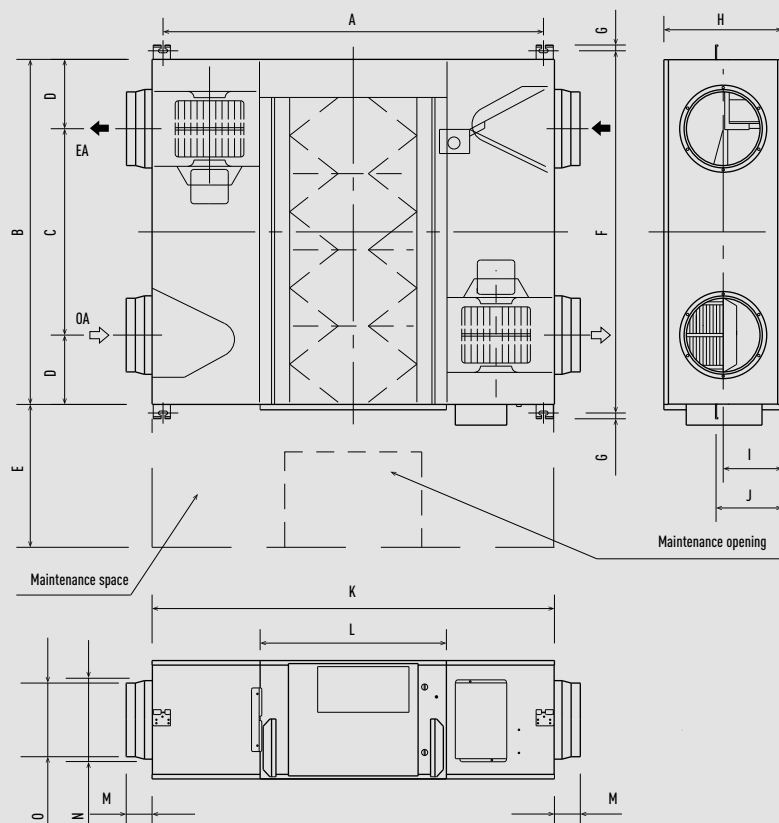
FV-1HZY1G / FV-2KZY1G

	A	B	C	D	E	F	G	H	J	K	L	M	N	Duct diameter
FV-1HZY1G	1224	1141	1127	1004	808	202	122	Ø245	Ø300	663	185.5	121	168	Ø250
FV-2KZY1G	1224	1368	1127	1231	808	202	122	Ø245	Ø300	860	185.5	121	168	Ø250



Unit: mm

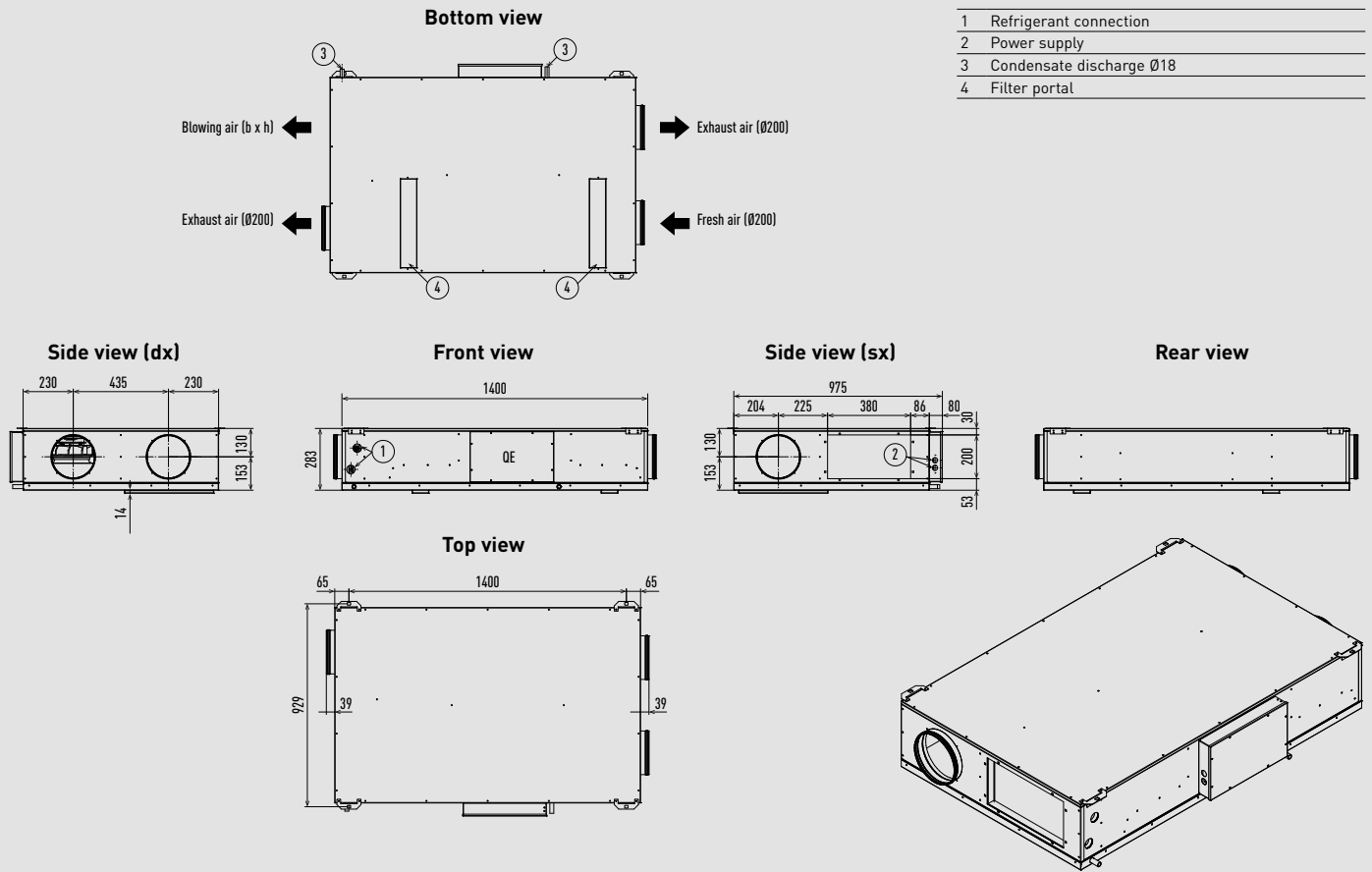
### Energy recovery ventilation - ZDY Series.



	FY-250ZDY8R	FY-350ZDY8R	FY-500ZDY8R	FY-800ZDY8R	FY-01KZDY8R
A	810	978	1018	1250	1250
B	599	804	904	884	1134
C	315	580	640	428	678
D	142	112	132	228	228
E	600	600	600	600	600
F	655	860	960	940	1190
G	19	19	19	19	19
H	270	317	317	388	388
I	135	159	159	194	194
J	159	182	182	218	218
K	882	1050	1090	1322	1322
L	414	470	470	612	612
M	95	70	70	85	85
N	164	164	210	258	258
O	144	144	194	242	242

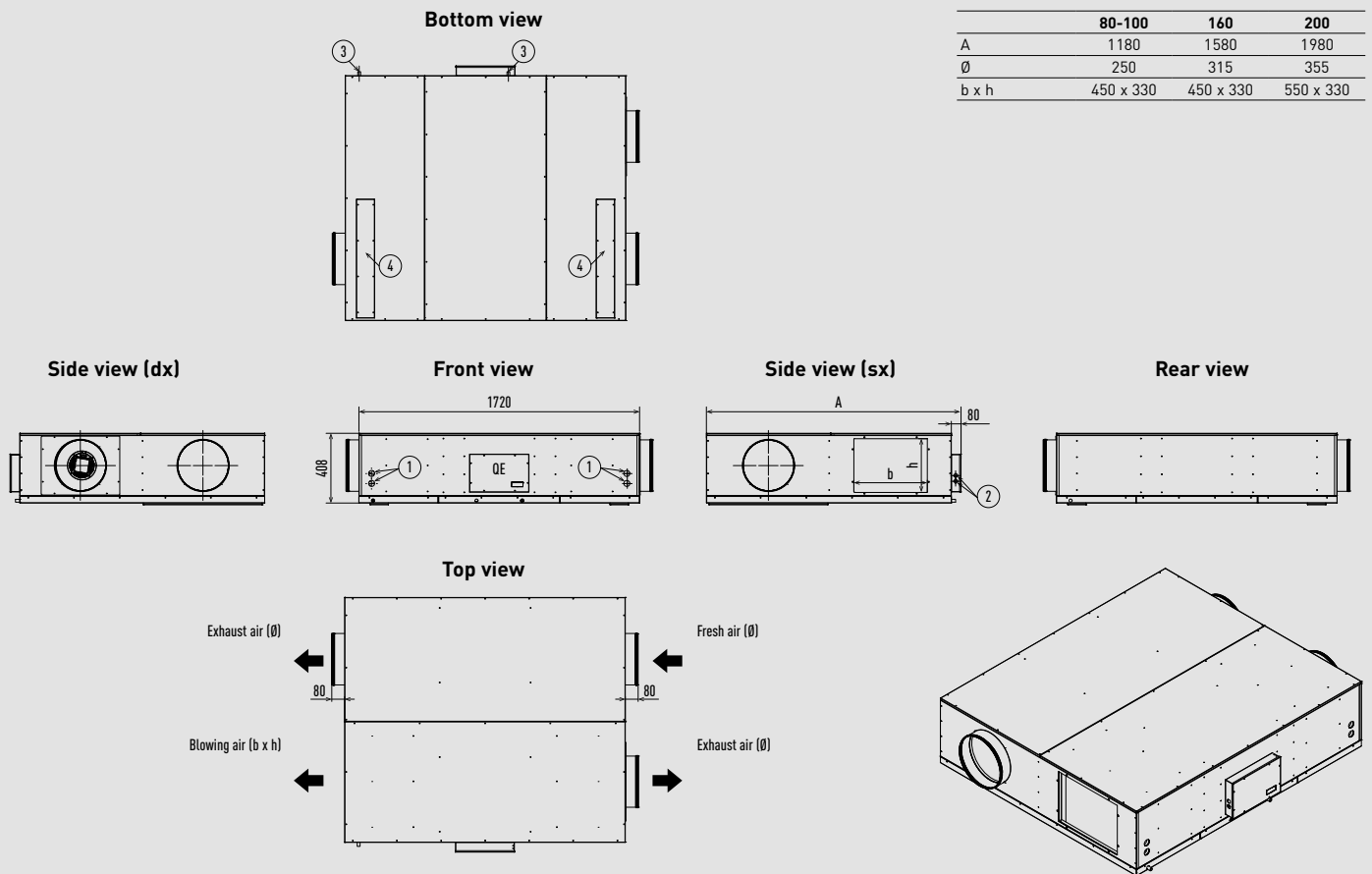
Unit: mm

ERV with DX coil - HRPT Series - PAW-HRPT40HX.



Unit: mm

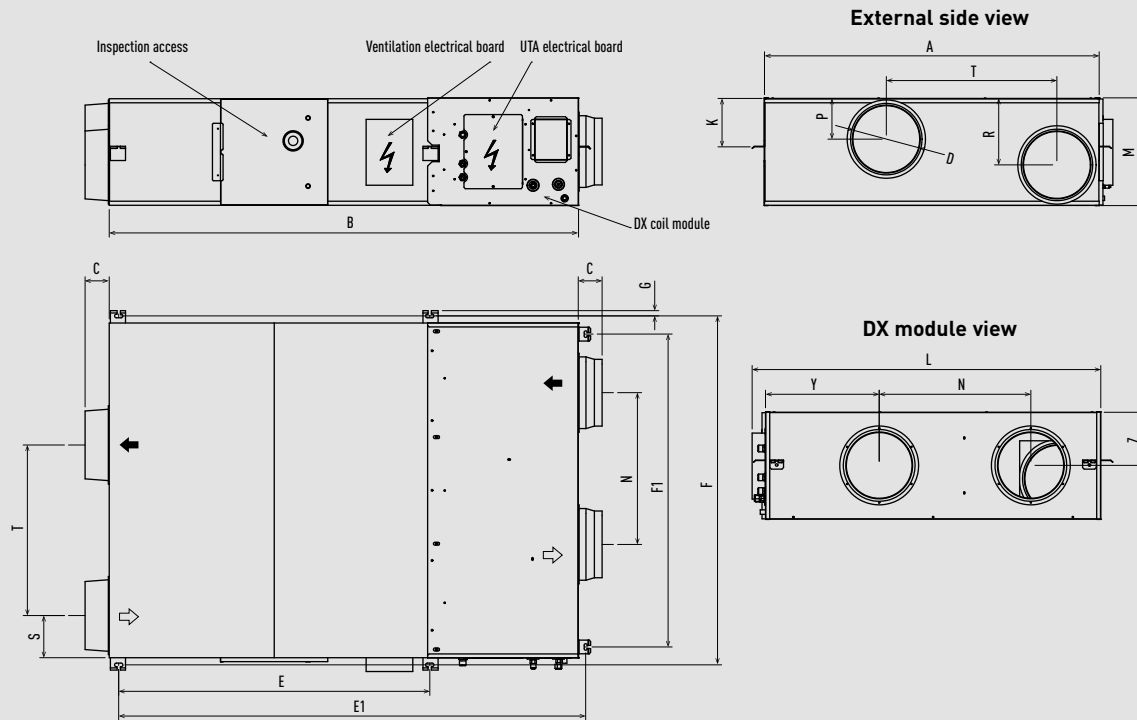
ERV with DX coil - HRPT Series - PAW-HRPT80HX / PAW-HRPT120HX / PAW-HRPT160HX / PAW-HRPT200HX.



Unit: mm

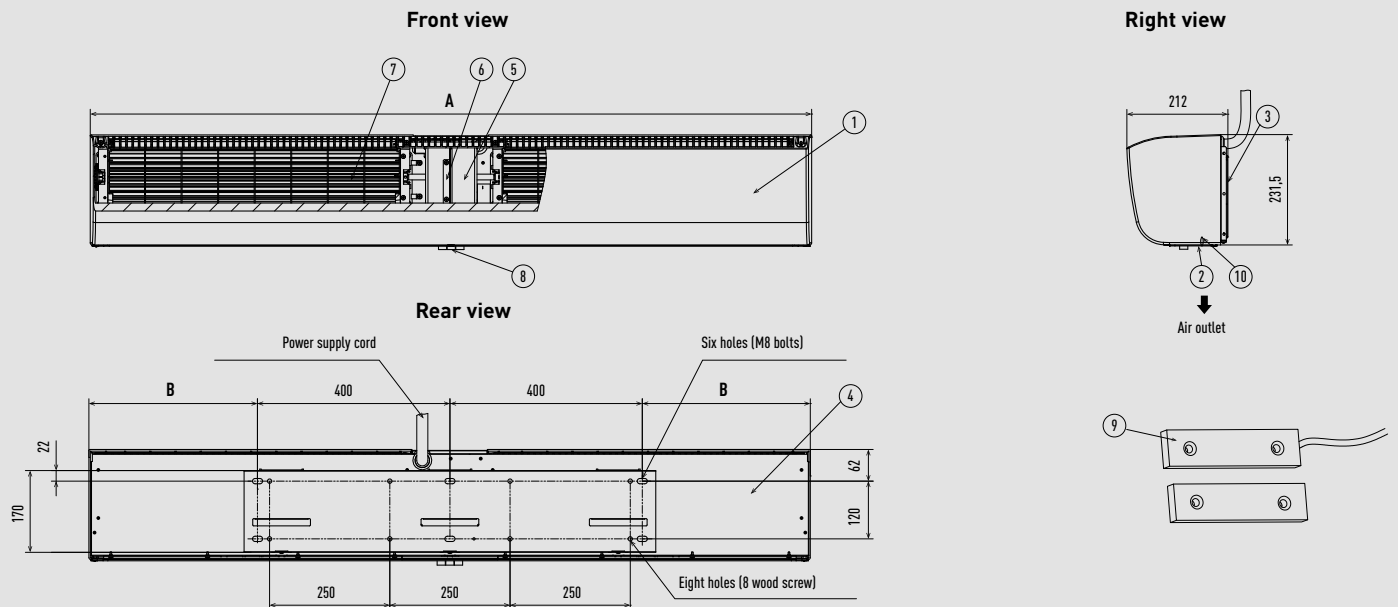
Heat recovery with DX coil - ZDX Series.

	A	B	C	D	E	E1	F	F1	G	L	T	K	M	N	P	R	S	Y	Z	Net weight
PAW-500ZDX3N	904	1400	107	200	825	1395	960	830	19	955	500	135	270	350	135	135	202	350	135	90 - 98
PAW-800ZDX3N	1134	1745	85	250	1115	1735	1190	1060	19	1200	678	170	388	500	170	170	228	415	195	100 - 110
PAW-01KZDX3N	1216	1700	85	250	1130	1700	1273	1140	19	1290	621	171	388	550	146	241	151	415	195	105 - 120



Unit: mm

Electric air curtain.

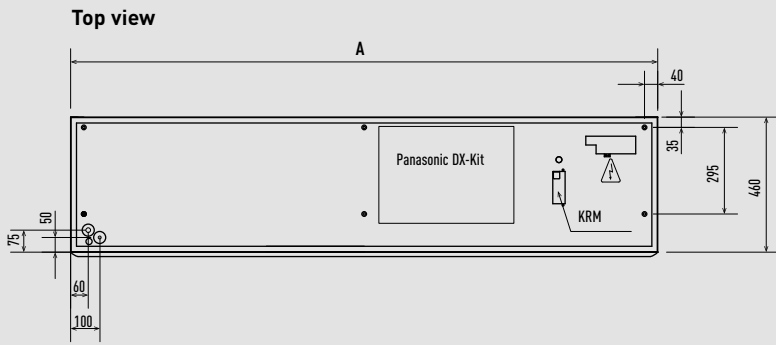


- |                  |                        |
|------------------|------------------------|
| 1 Front panel    | 6 Motor support        |
| 2 Air outlet     | 7 Cross-flow impeller  |
| 3 Mounting plate | 8 Push-button switch   |
| 4 Back panel     | 9 Gate magnetic switch |
| 5 Motor          | 10 Guide plate         |

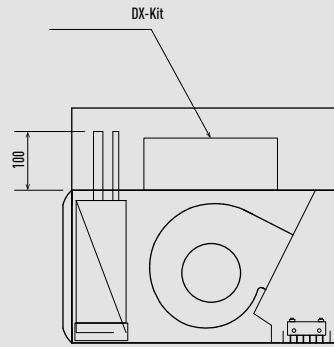
	FY-3009U1	FY-3012U1	FY-3015U1
A	900	1200	1500
B	50	200	350

Unit: mm

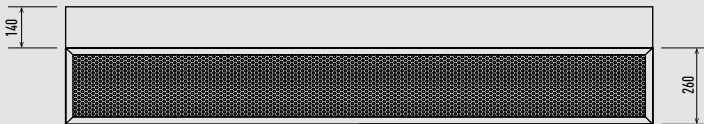
Air curtain with DX coil.



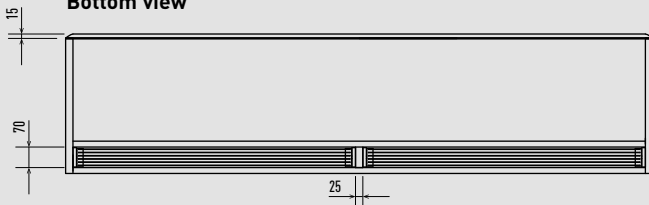
Side view



Front view



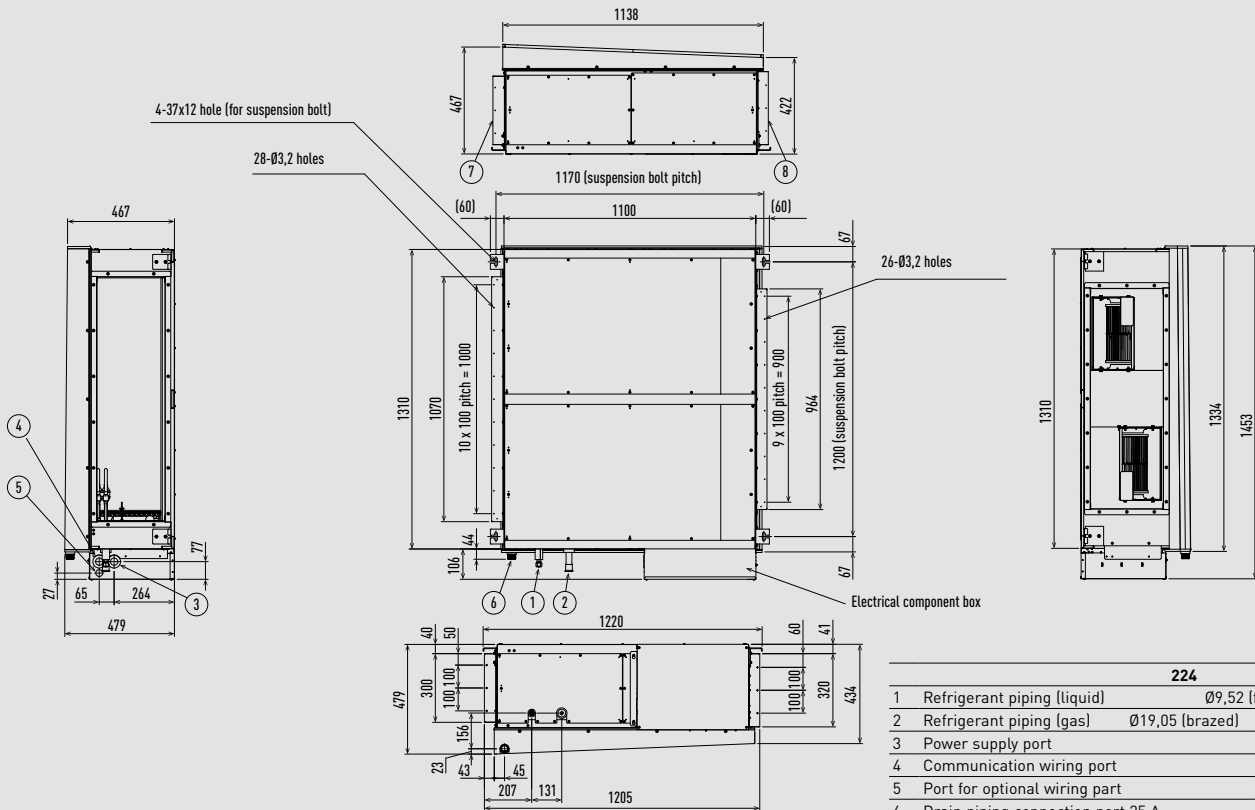
Bottom view



PAW-10PAIRC-LS	PAW-15PAIRC-LS	PAW-20PAIRC-LS	PAW-25PAIRC-LS	
PAW-10PAIRC-HS	PAW-15PAIRC-HS	PAW-20PAIRC-HS	PAW-25PAIRC-HS	
PAW-10EAIRC-LS	PAW-15EAIRC-LS	PAW-20EAIRC-LS	PAW-25EAIRC-LS	
PAW-10EAIRC-HS	PAW-15EAIRC-HS	PAW-20EAIRC-HS	PAW-25EAIRC-HS	
A	1,0m	1,5m	2,0m	2,5m

Unit: mm

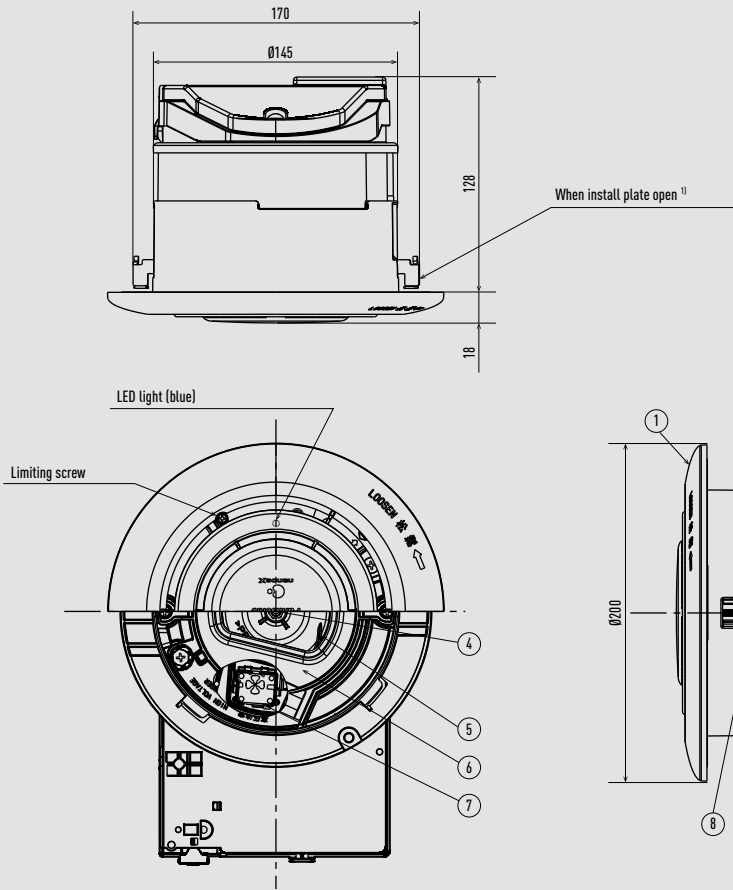
E2 type high static pressure hide-away.



	224	280
1 Refrigerant piping (liquid)	Ø9,52 (flared)	
2 Refrigerant piping (gas)	Ø19,05 (brazed)	Ø22,22 (brazed)
3 Power supply port		
4 Communication wiring port		
5 Port for optional wiring part		
6 Drain piping connection port 25 A		
7 Flange for air inlet duct		
8 Flange for the air outlet duct		

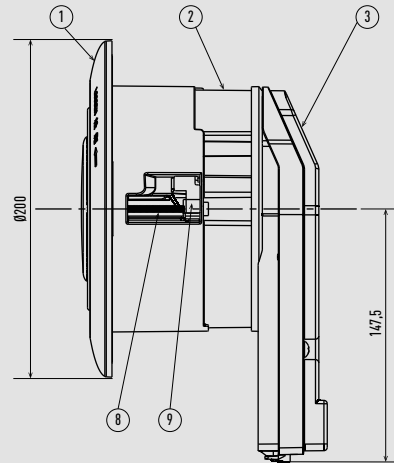
Unit: mm

Ceiling mounted air-e nanoe X Generator.



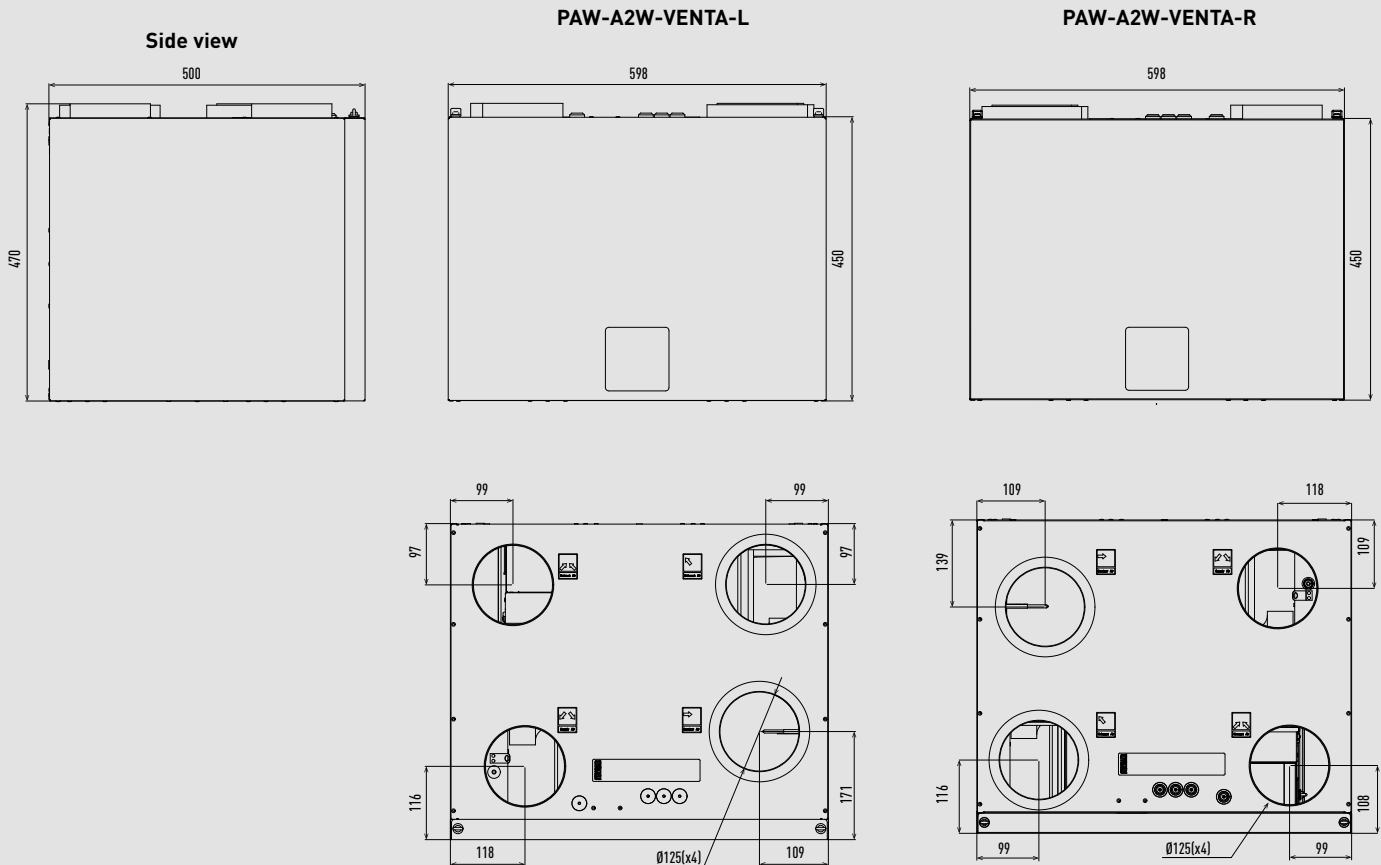
	Quantity
1 Louvre	1
2 Frame	1
3 Electric case assy	1
4 Motor	1
5 Fan	1
6 Orifice assy	1
7 nanoe™ X unit	1
8 Install screw	2
9 Install plate	2

1) Initial position of install plate is closed.



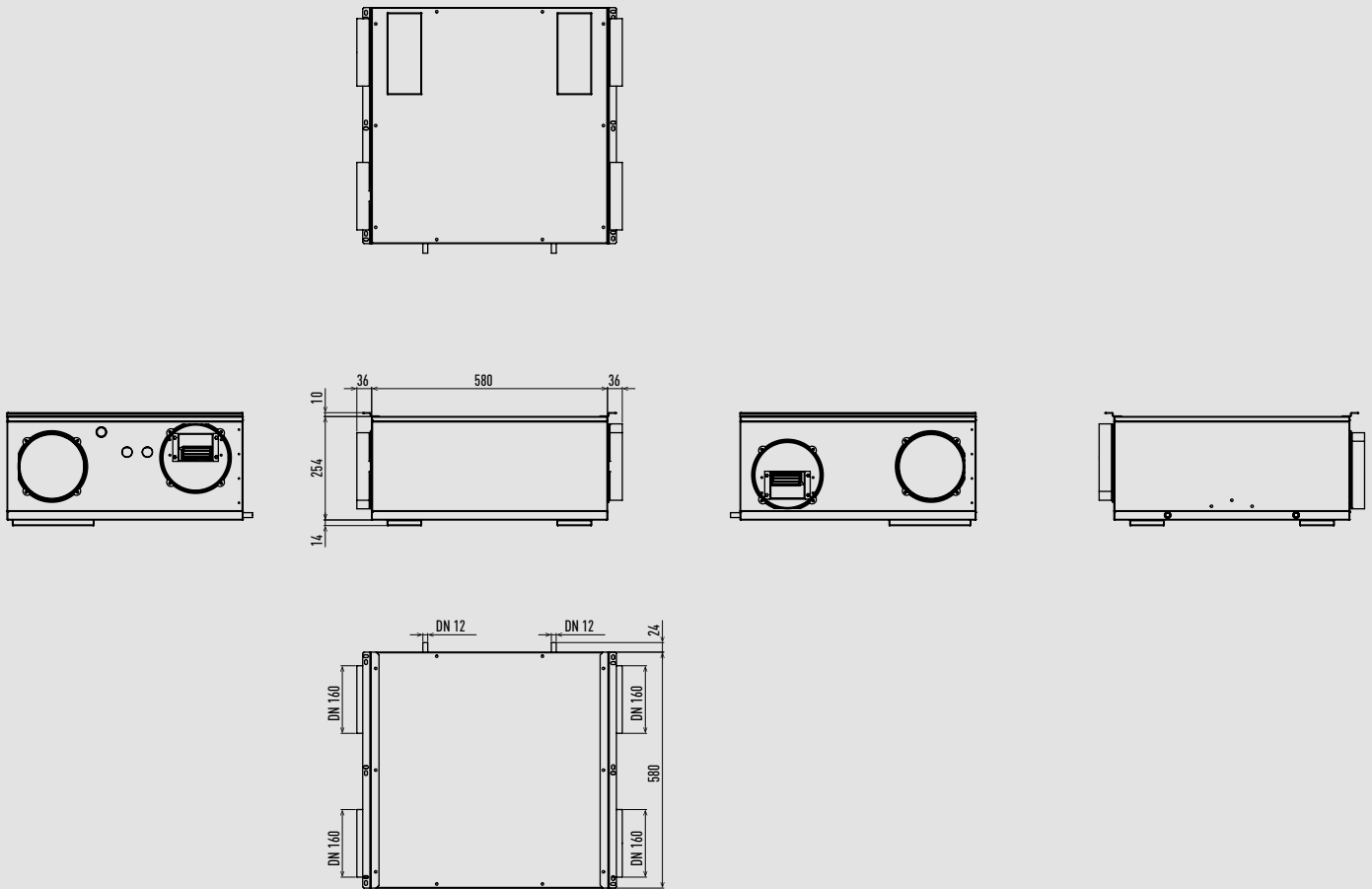
Unit: mm

Heat recovery ventilation unit.



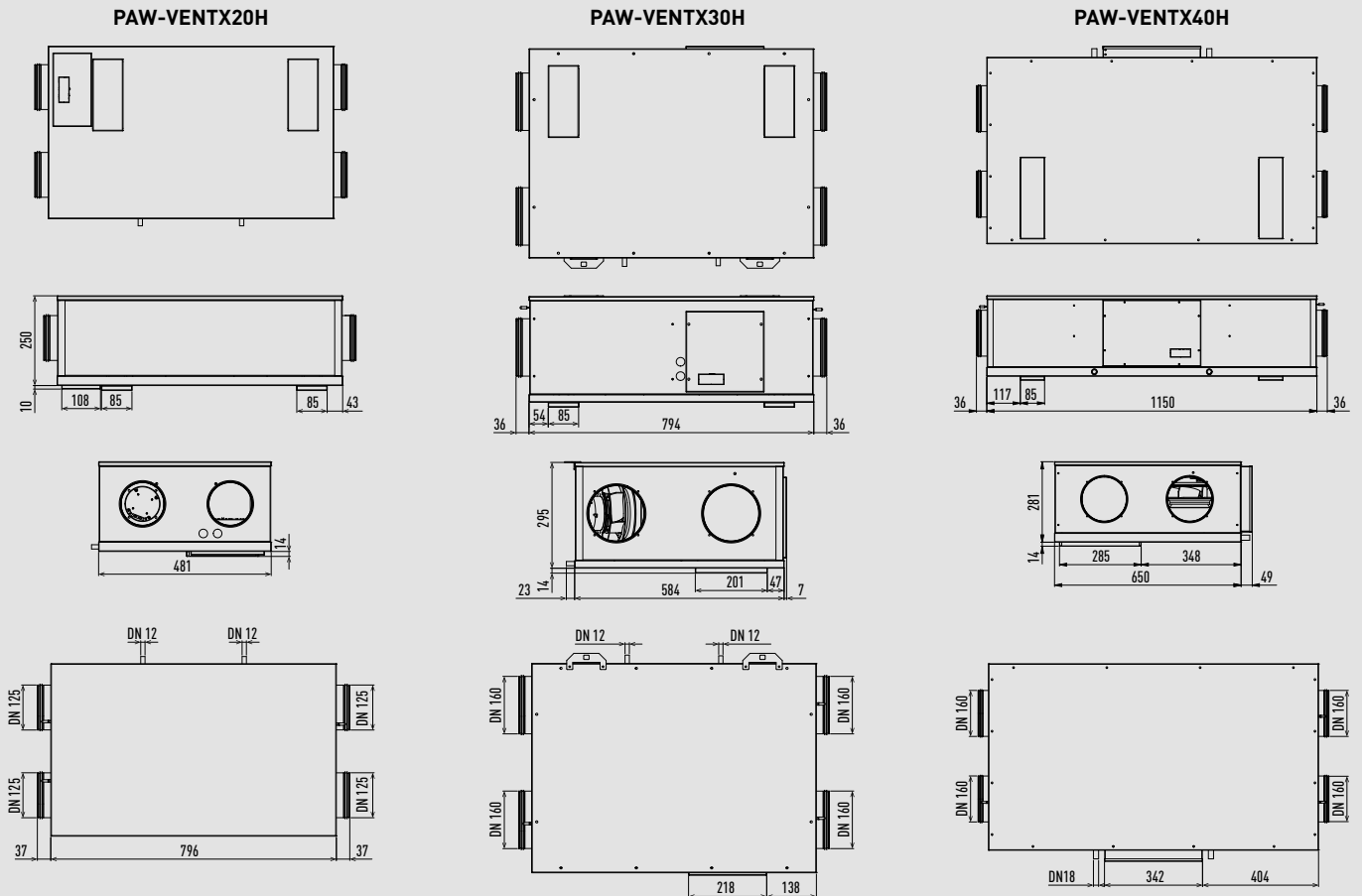
Unit: mm

Counter flow ventilation - PAW-VENTX10Z / PAW-VENTX15Z.



Unit: mm

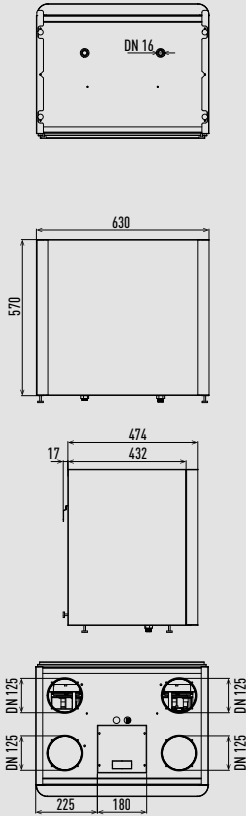
Counter flow ventilation - PAW-VENTX20H / PAW-VENTX30H / PAW-VENTX40H.



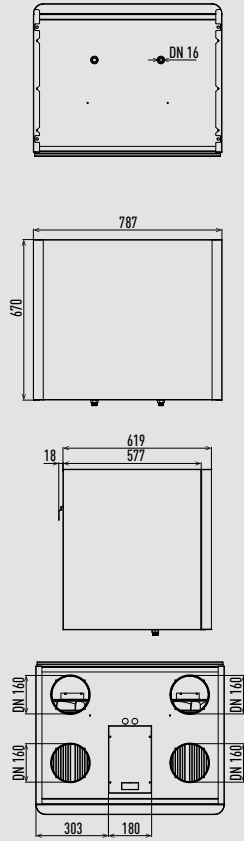
Unit: mm

Counter flow ventilation - PAW-VENTX20V / PAW-VENTX30V / PAW-VENTX40V.

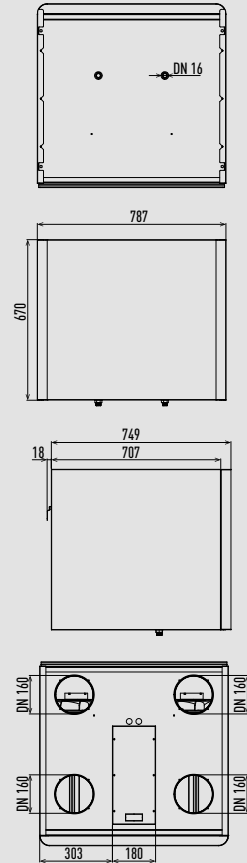
PAW-VENTX20V



PAW-VENTX30V

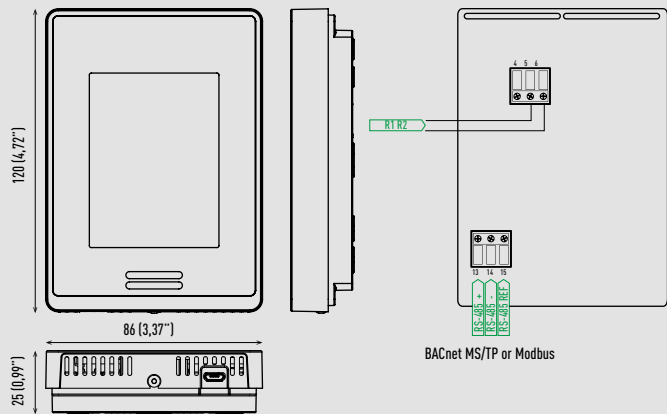


PAW-VENTX40V



Unit: mm

Room controller for SE8000.



**Dimensions:**

Height: 12 cm/4,72 in.  
Width: 8,6 cm/3,39 in.  
Depth: 2,7 cm/1,06 in.

**Power requirements:**

16 V DC from Panasonic R-R IDU connectors.  
50/60 Hz, 4 VA, Class 2 Supply.

**Range from indoor unit:**

Recommended 500 ft (150 m).

**Operating conditions:**

0 °C to 50 °C [32 °F to 122 °F].  
0% to 95% R.H. non-condensing.

**Storage conditions:**

-30 °C to 50 °C [-22 °F to 122 °F].  
0% to 95% R.H. non-condensing.

**Temperature sensor:**

Local 10 K NTC type 2 thermistor.

**Temperature sensor resolution:**

± 0,1 °C (± 0,2 °F).

**Temperature sensor accuracy:**

± 0,5 °C (± 0,9 °F) @ 21 °C [70 °F] typical calibrated.

**Humidity sensor and calibration:**

Single point calibrated bulk polymer type sensor.

**Humidity sensor precision:**

Reading range from 10% to 90% R.H. non-condensing.  
10% to 20% precision: 10%.  
20% to 80% precision: 5%.  
80% to 90% precision: 10%.

**Humidity sensor stability:**

Less than 1,0% yearly (typical drift).

**Wiring:**

Maximum wire length between last indoor unit to SER8150Rx1194 equals 490 ft (150 m) with AWG #18 wire (0,82 mm<sup>2</sup>). Refer to Panasonic VRF guidelines "Wiring system diagram for remote controller" for this limitation.

**Approximate shipping weight:**

0,34 kg (0,75 lb)

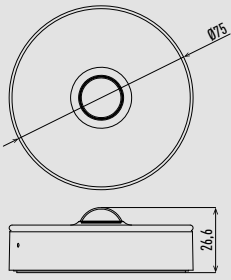
Check with your local government for instruction on disposal of these products.

THIS PRODUCT FOR COMMERCIAL USE ONLY.



Unit: mm

SED-MTH-G-5045 wall/ceiling wireless sensor.



**Dimensions:**  
70 mm diameter x 26,6 mm.

**Colour:**  
White.

**Weight:**  
59 g.

**Communication:**  
ZigBee 3,0 HA.

**Detection range:**  
Ceiling: 0,4m (installation height 2,5 m).  
Wall: R5m (installation height 1,2 m).

**Battery voltage:**  
3 V.

**Battery cell:**  
LR03 AAA (2 pcs).

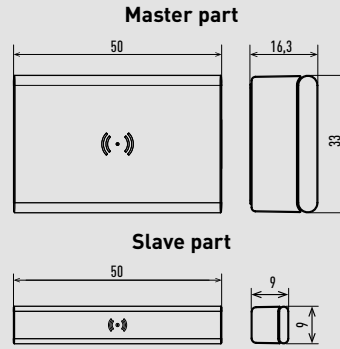
**Battery life:**  
Up to 5 years.

**Ambient temperature:**  
-10 °C ~ +50 °C.



Check with your local government for instruction on disposal of these products.

SED-WDC-G-5045 door/window wireless sensor.



**Dimensions:**  
Master part: 50 x 33 x 16,3 mm.  
Slave part: 50 x 9 x 9 mm.

**Colour:**  
White / transparent.

**Weight:**  
30 g

**Communication:**  
ZigBee 3,0 HA.

**Detection range:**  
Trigger 'close': wood 30 mm, metal 18 mm.  
Trigger 'open': wood 32 mm, metal 20 mm.

**Battery voltage:**  
3 V.

**Battery cell:**  
CR2450.

**Battery life:**  
Up to 5 years.

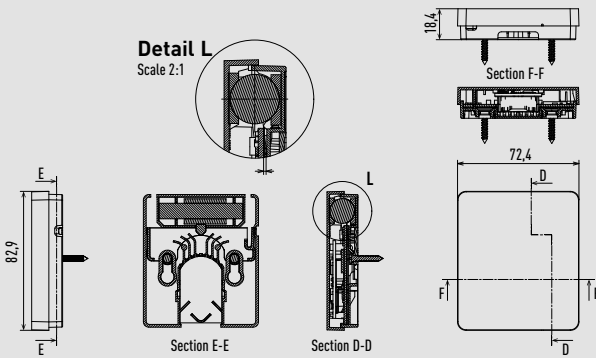
**Ambient temperature:**  
-10 °C ~ +50 °C.



Check with your local government for instruction on disposal of these products.

Unit: mm

SED-CO2-G-5045 CO<sub>2</sub> sensor.



**Dimensions:**  
3,26 x 2,85 x 0,72 inches.  
82,9 x 72,4 x 18,4 mm.

**Operating temperature:**  
0 °C to 50 °C (32 °F to 122 °F).

**Temperature accuracy:**  
±0,3 °C (0,54 °F) typical within operating range.

**Humidity range:**  
0% to 100%.

**Humidity accuracy:**  
± 3% RH (typical within 0% to 80% RH).

**Measurement range:**  
0 to 5000ppm.

**Measurement/Transmission intervals:**  
2,5 minutes (day), 10 minutes (evening).  
Note: Battery life will be reduced should interval be shortened (i.e, using remote temperature/humidity functions).

**CO<sub>2</sub> accuracy at NTP:**  
±60 ppm +3% of reading (400 - 2,000 ppm range).

**Communication:**  
Zigbee 3,0 Green Power (encrypted, bi-directional).

**Battery voltage:**  
3,6 V.

**Battery cell:**  
AA Lithium ion.

**Battery life:**  
10+ years (non-replaceable).  
Note: Battery life can be reduced when sensor is operated at temperatures approaching the operating limits.

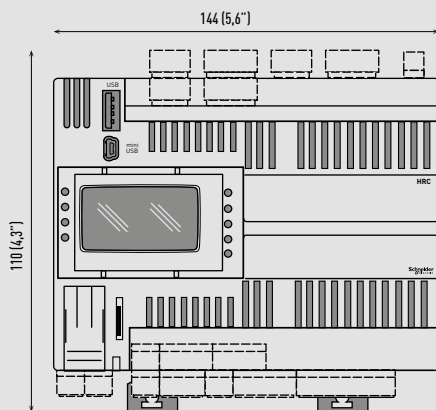
**Ambient temperature:**  
-30 °C to 70 °C.



Check with your local government for instruction on disposal of these products.

Unit: mm

Hotel room controller (HRC).



**Dimensions:**  
5,6 x 4,3 x 2,4 inches.  
144 x 110 x 60,5 mm.

**Digital inputs:**  
12.

**High voltage relay digital outputs:**  
10 x 3 A SPST +250 V AC relays.

**Analog inputs:**  
2 x configurable analog inputs.  
DI: voltage free DI, 10 kΩ input impedance.  
0-20 mA: range 0,1000, < 150 Ω impedance.  
0-10 V: range 0,1000 > 10 kΩ impedance.

**Analog outputs:**  
6 x 0-10 V outputs,  
load impedance > 700 Ω.

**Supply voltage:**  
24 V AC + 10% NOT ISOLATED.  
+20...38 V DC NOT ISOLATED.

**Supply frequency:**  
50/60 Hz.

**Power cycle:**  
35 VA / 15 W.

**Operating temperature:**  
-20 to 60 °C (-4 to 140 °F) conforming to UL 60730-1.

**Storage temperature:**  
-30 to 70 °C (-22 to 158 °F).

\* Power supply is not included.

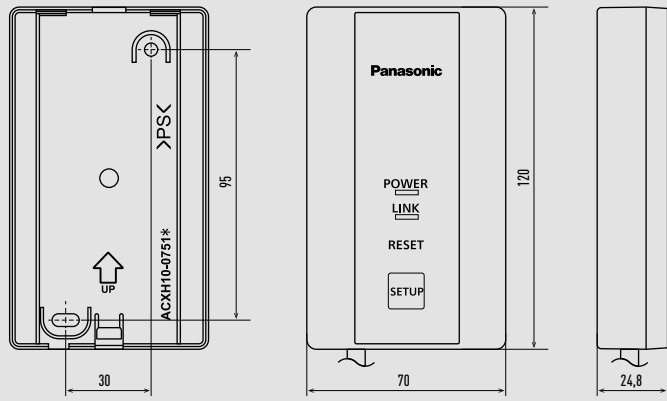


Check with your local government for instruction on disposal of these products.

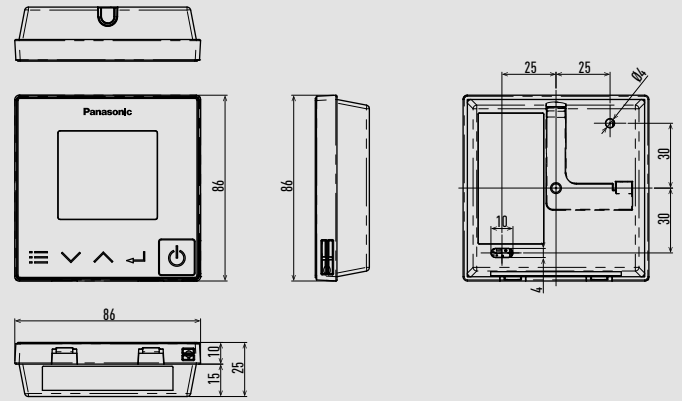
Unit: mm



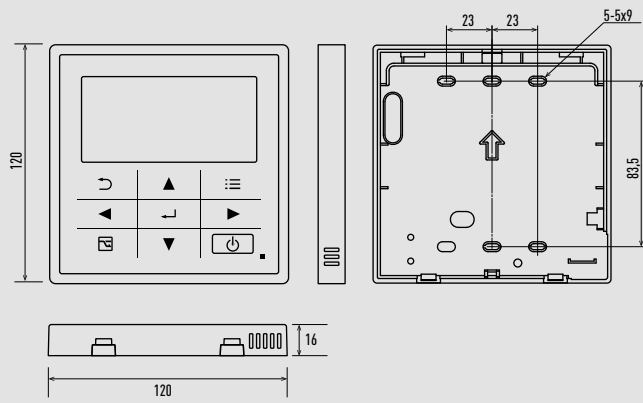
CZ-CAPWFC1 Commercial Wi-Fi Adaptor.



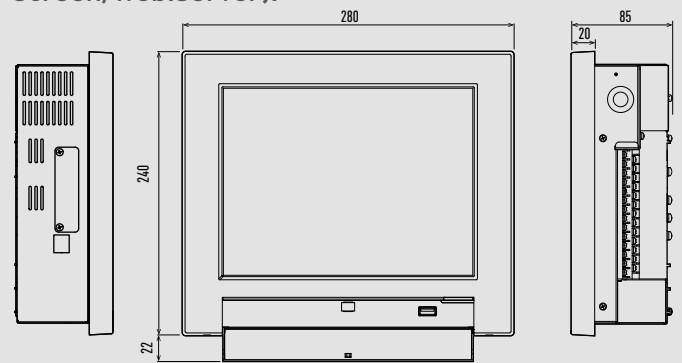
CZ-RTC6W/WBL/WBLW and CZ-RTC6/BL/BLW CONEX wired remote controller.



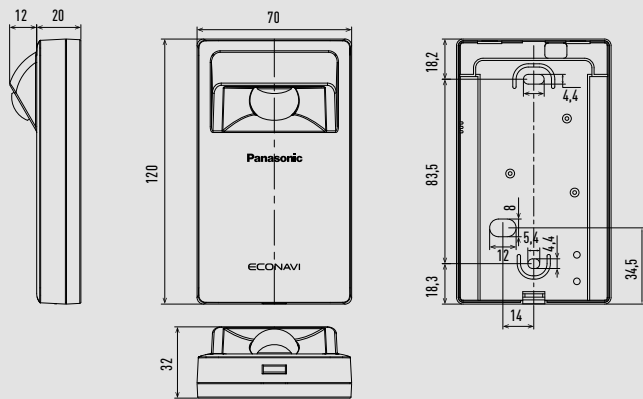
CZ-RTC5B design wired remote controller.



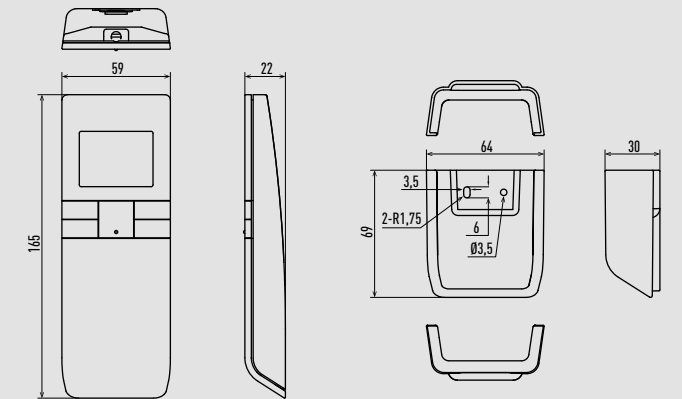
CZ-256ESMC3 intelligent controller (touch screen/web.server).



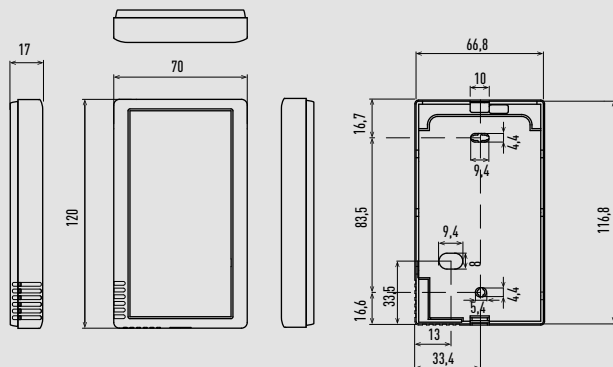
CZ-CENSC1 Econavi sensor.



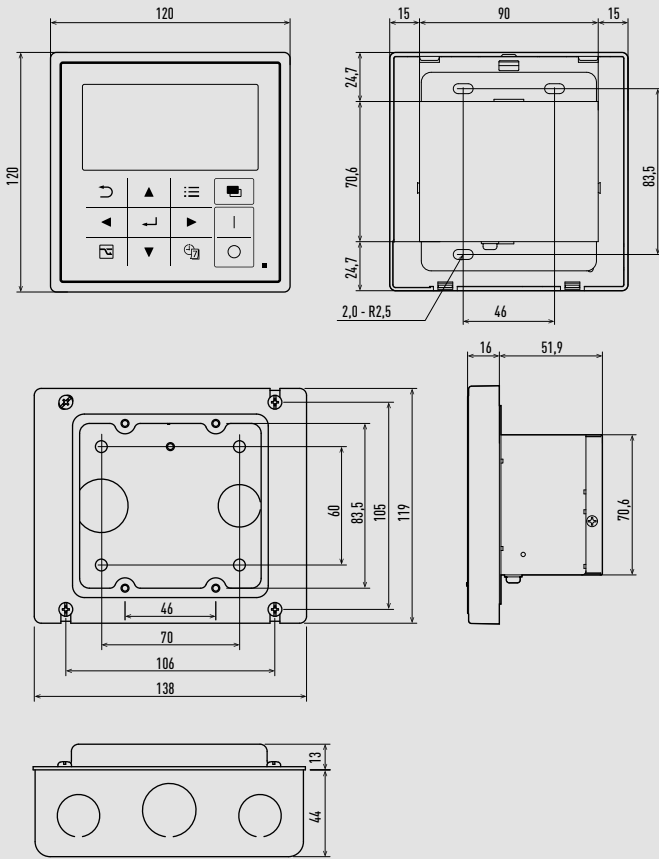
CZ-RWS3 infrared remote controller.



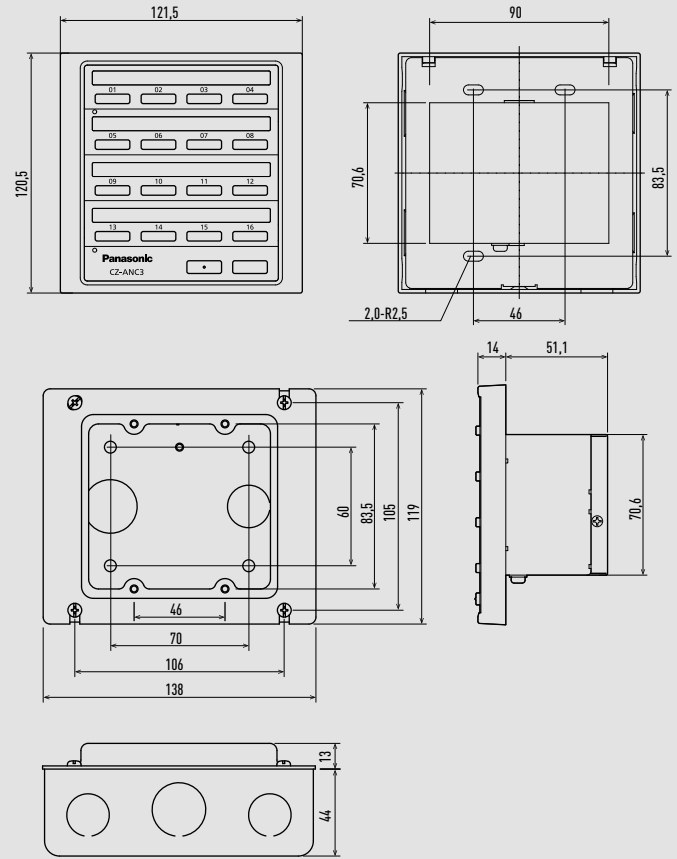
CZ-CSRC3 remote sensor.



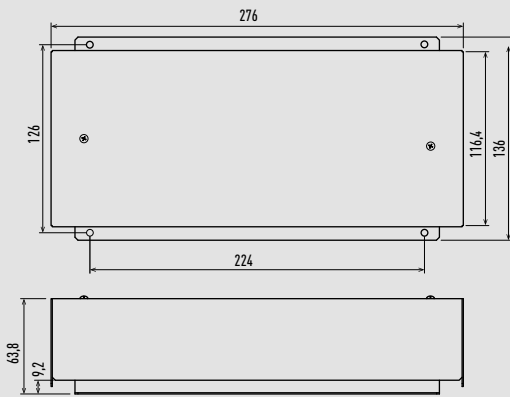
CZ-64ESMC3 system controller with weekly timer.



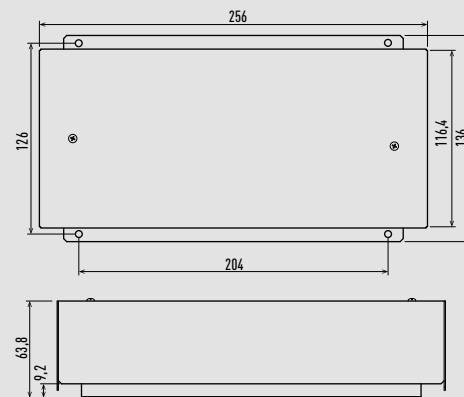
CZ-ANC3 central ON / OFF controller.



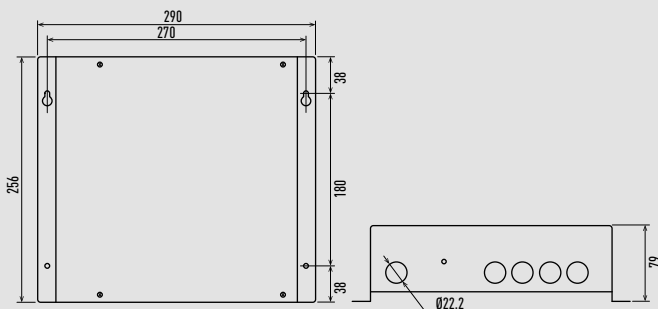
CZ-CAPC3 local adaptor for ON / OFF control.



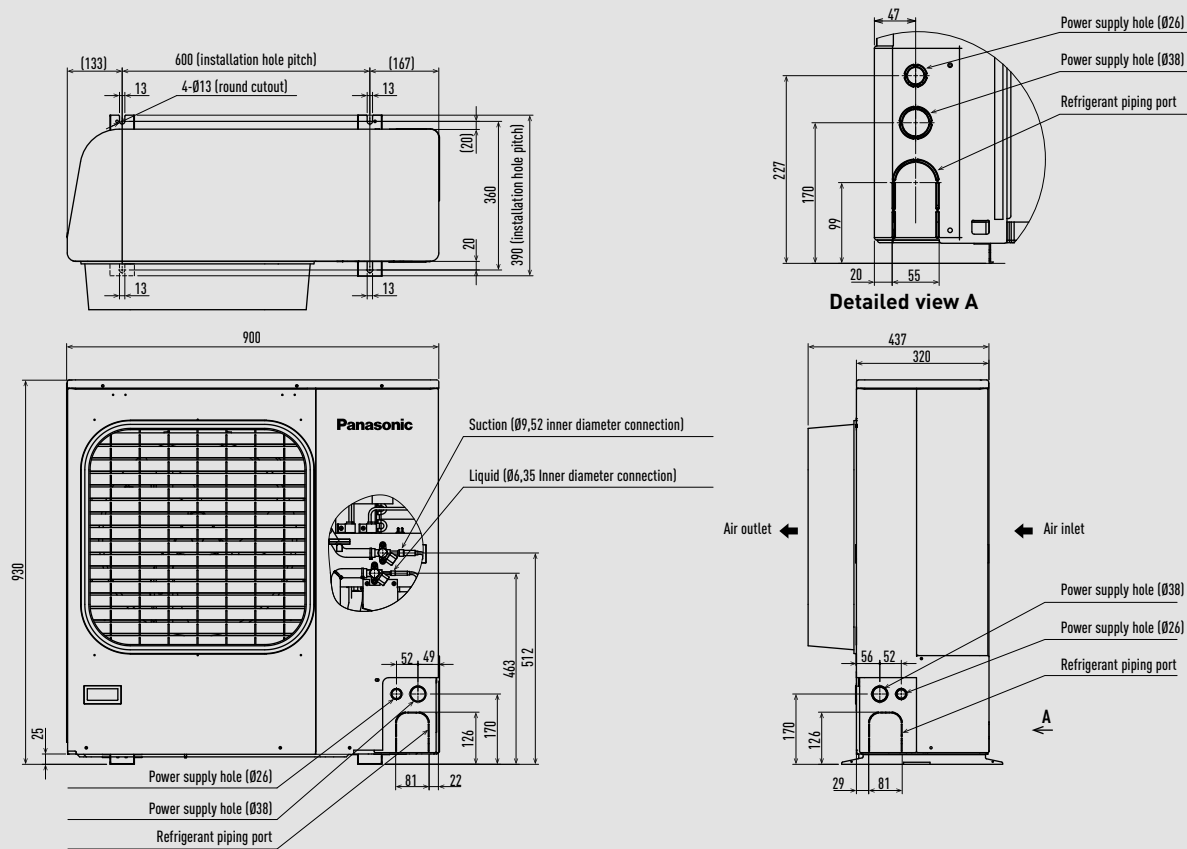
CZ-CAPBC2 Mini Seri-Para I/O Unit 0 - 10 V.



CZ-CFUNC2 communication adaptor.

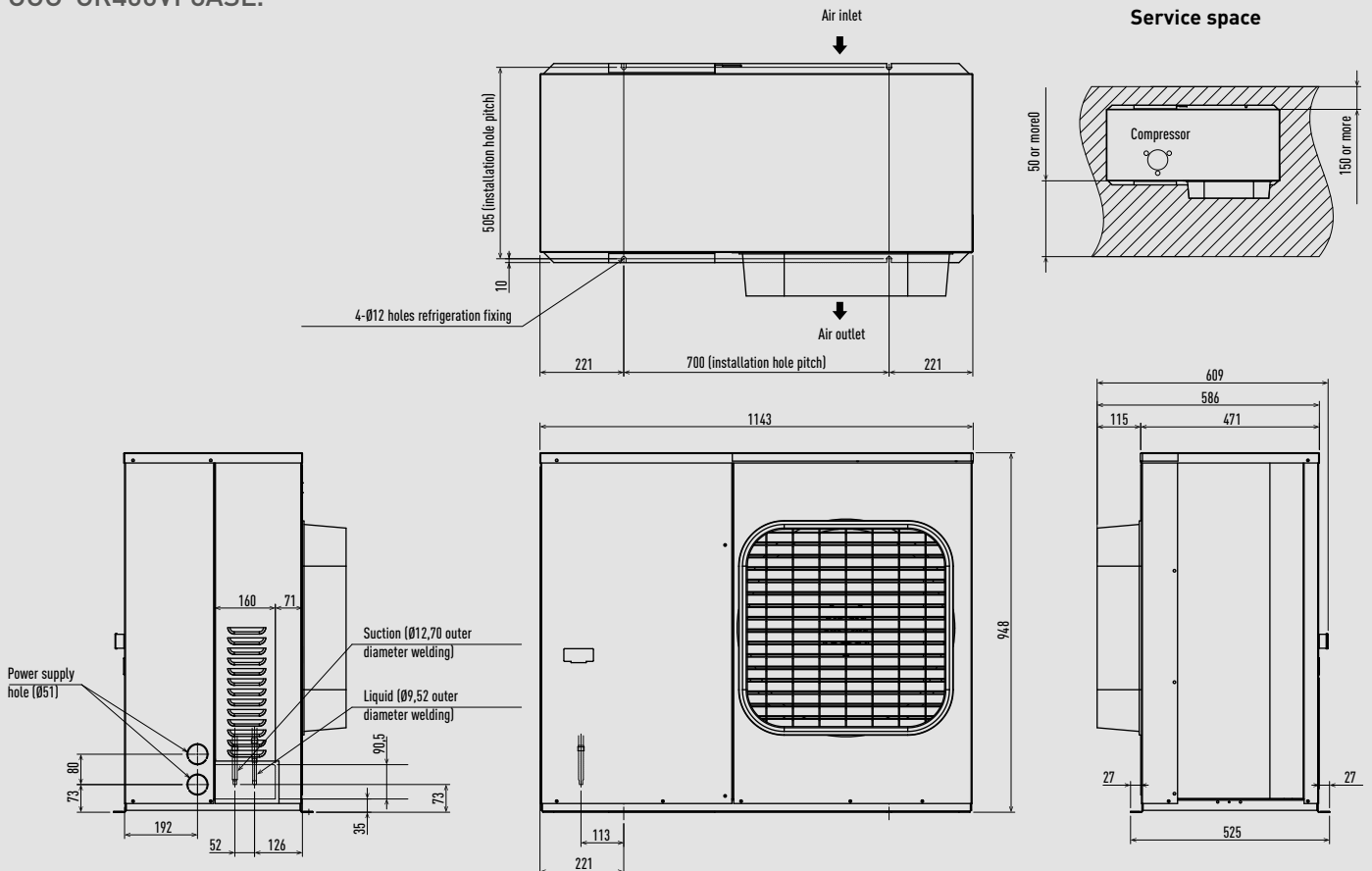


CO<sub>2</sub> condensing units - CR Series OCU-CR200VF5A / OCU-CR200VF5ASL.



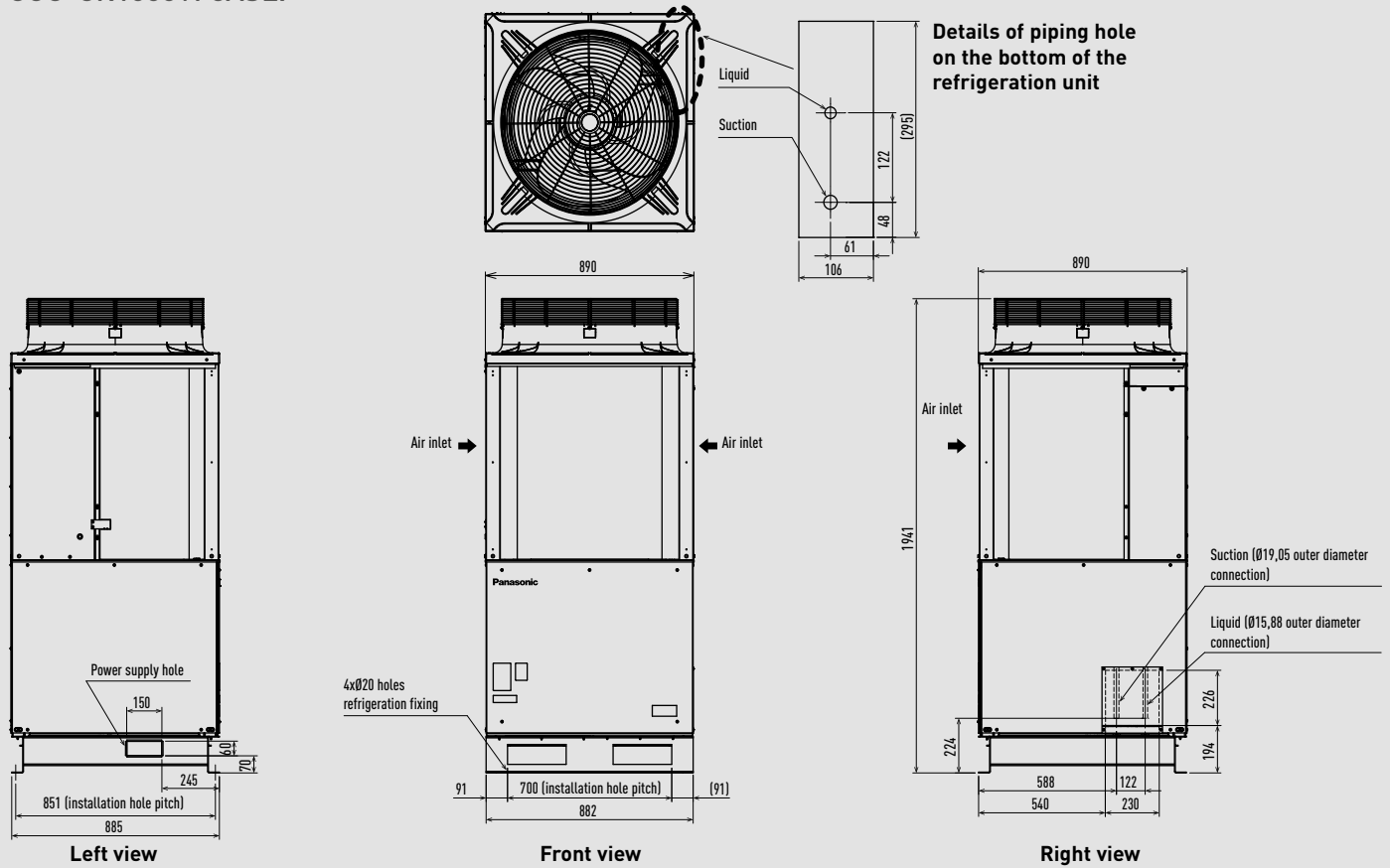
Unit: mm

CO<sub>2</sub> condensing units - CR Series OCU-CR400VF8 / OCU-CR400VF8SL / OCU-CR400VF8A / OCU-CR400VF8ASL.



Unit: mm

CO<sub>2</sub> condensing units - CR Series OCU-CR1000VF8 / OCU-CR1000VF8SL / OCU-CR1000VF8A / OCU-CR1000VF8ASL.



Unit: mm

# Wiring diagrams

## Domestic

Wall-mounted kits 1x1	→ 649
Floor console kits 1x1	→ 650
Low static pressure hide-away kits 1x1	→ 650
Free Multi System 2 rooms	→ 651
Free Multi System 3 rooms	→ 651
Free Multi System 4 rooms	→ 652
Free Multi System 5 rooms	→ 652

## Commercial

Wall-mounted Professional kits 1x1	→ 653
PACi NX wall-mounted kits 1x1	→ 653
PACi NX 4 way 60x60 cassette kits 1x1	→ 654
PACi NX 4 way 90x90 cassette kits 1x1	→ 654
PACi NX ceiling kits 1x1	→ 655
PACi NX adaptive ducted unit kits 1x1	→ 655
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PACi NX twin system	→ 657
PACi NX triple system	→ 657
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## VRF Systems

Mini ECOi Series	→ 660
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Hybrid GHP/EHP	→ 661

## Wall-mounted kits 1x1.

Indoor unit



Outdoor unit



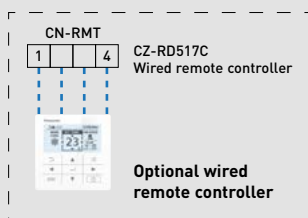
Attention: Wall-mounted Etherea and TZ super-compact have different connection terminals



Single phase  
Power supply  
230 V / 50 Hz



Infrared remote  
controller (included  
in the delivery)



Optional wired  
remote controller

Power supply to indoor or outdoor depending on model, see table.

### Wall-mounted Heatcharge VZ - R32

Indoor unit	Power supply	Recommended fuse	Connection indoor / outdoor	Outdoor unit
CS-VZ9SKE	230 V (indoor)	16 A	4 x 1,5 mm <sup>2</sup>	CU-VZ9SKE
CS-VZ12SKE	230 V (indoor)	16 A	4 x 1,5 mm <sup>2</sup>	CU-VZ12SKE

### Wall-mounted Etherea Graphite grey, Silver and Matt white - R32

Indoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor	Outdoor unit
CS-XZ20ZKEW-H / CS-XZ20ZKEW / CS-Z20ZKEW	230 V (indoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-Z20ZKE
CS-XZ25ZKEW-H / CS-XZ25ZKEW / CS-Z25ZKEW	230 V (indoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-Z25ZKE
CS-XZ35ZKEW-H / CS-XZ35ZKEW / CS-Z35ZKEW	230 V (indoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-Z35ZKE
CS-XZ42ZKEW-H / — / CS-Z42ZKEW	230 V (indoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-Z42ZKE
— / CS-XZ50ZKEW / CS-Z50ZKEW	230 V (indoor)	16 A	3 x 2,5 mm <sup>2</sup>	4 x 2,5 mm <sup>2</sup>	CU-Z50ZKE
— / — / CS-Z71ZKEW	230 V (indoor)	20 A	3 x 2,5 mm <sup>2</sup>	4 x 2,5 mm <sup>2</sup>	CU-Z71ZKE

### Wall-mounted TZ super-compact - R32

Indoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor	Outdoor unit
CS-TZ20ZKEW	230 V (indoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-TZ20ZKE
CS-TZ25ZKEW	230 V (indoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-TZ25ZKE
CS-TZ35ZKEW	230 V (indoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-TZ35ZKE
CS-TZ42ZKEW	230 V (indoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-TZ42ZKE
CS-TZ50ZKEW	230 V (indoor)	16 A	3 x 2,5 mm <sup>2</sup>	4 x 2,5 mm <sup>2</sup>	CU-TZ50ZKE
CS-TZ60ZKEW	230 V (indoor)	20 A	3 x 2,5 mm <sup>2</sup>	4 x 2,5 mm <sup>2</sup>	CU-TZ60ZKE
CS-TZ71ZKEW	230 V (indoor)	20 A	3 x 2,5 mm <sup>2</sup>	4 x 2,5 mm <sup>2</sup>	CU-TZ71ZKE

### Wall-mounted BZ super-compact - R32

Indoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor	Outdoor unit
CS-BZ25ZKE	230 V (indoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-BZ25ZKE
CS-BZ35ZKE	230 V (indoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-BZ35ZKE
CS-BZ50ZKE	230 V (indoor)	16 A	3 x 2,5 mm <sup>2</sup>	4 x 2,5 mm <sup>2</sup>	CU-BZ50ZKE
CS-BZ60ZKE	230 V (indoor)	20 A	3 x 2,5 mm <sup>2</sup>	4 x 2,5 mm <sup>2</sup>	CU-BZ60ZKE

### Wall-mounted UZ super-compact - R32

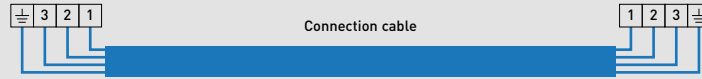
Indoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor	Outdoor unit
CS-UZ25WKE	230 V (indoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-UZ25WKE
CS-UZ35WKE	230 V (indoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-UZ35WKE
CS-UZ50WKE	230 V (indoor)	16 A	3 x 2,5 mm <sup>2</sup>	4 x 2,5 mm <sup>2</sup>	CU-UZ50WKE

### Floor console kits 1x1.

Indoor unit



Infrared remote controller (included in the delivery)



Outdoor unit



Single phase Power supply 230 V / 50 Hz

#### Floor console - R32

Indoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor	Outdoor unit
CS-Z25UFEAW	230 V (outdoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-Z25UBEA
CS-Z35UFEAW	230 V (outdoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-Z35UBEA
CS-Z50UFEAW	230 V (outdoor)	16 A	3 x 2,5 mm <sup>2</sup>	4 x 2,5 mm <sup>2</sup>	CU-Z50UBEA

### Low static pressure hide-away kits 1x1.

Indoor unit



CN-DISP CZ-RD52CP Included wired remote controller



Outdoor unit



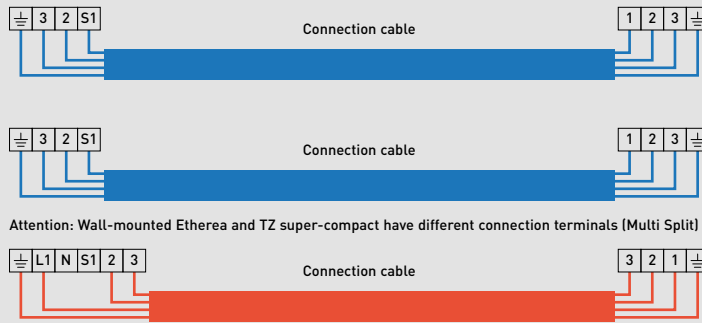
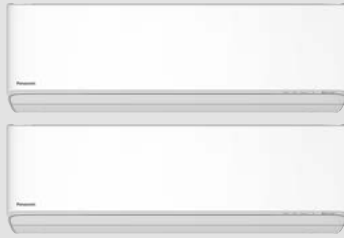
Single phase Power supply 230 V / 50 Hz

#### Low static pressure hide-away kits - R32

Indoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor	Outdoor unit
CS-Z25UD3EAW	230 V (outdoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-Z25UBEA
CS-Z35UD3EAW	230 V (outdoor)	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-Z35UBEA
CS-Z50UD3EAW	230 V (outdoor)	16 A	3 x 2,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-Z50UBEA
CS-Z60UD3EAW	230 V (outdoor)	16 A	3 x 2,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	CU-Z60UBEA

### Free Multi System 2 rooms.

Indoor unit



Attention: Wall-mounted Ethearea and TZ super-compact have different connection terminals (Multi Split)

Outdoor unit



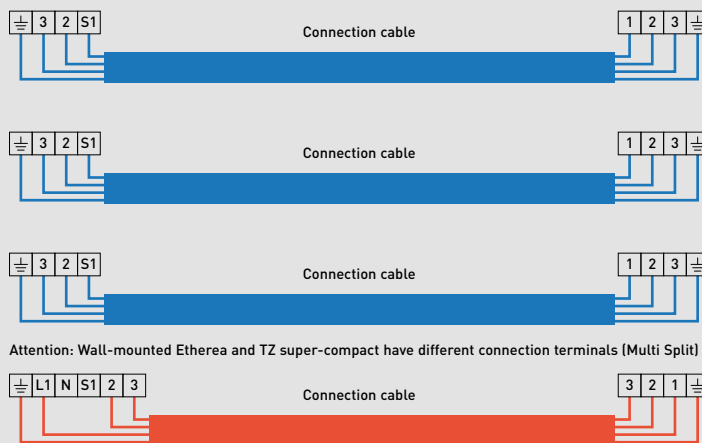
Single phase  
Power supply  
230 V / 50 Hz / 16 A

#### Free Multi System - R32

Outdoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor
CU-2Z35TBE	230 V	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>
CU-2Z41TBE	230 V	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>
CU-2Z50TBE	230 V	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>
CU-2TZ41TBE	230 V	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>
CU-2TZ50TBE	230 V	16 A	3 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>

### Free Multi System 3 rooms.

Indoor unit



Attention: Wall-mounted Ethearea and TZ super-compact have different connection terminals (Multi Split)

Outdoor unit



Single phase  
Power supply  
230 V / 50 Hz / 16 A

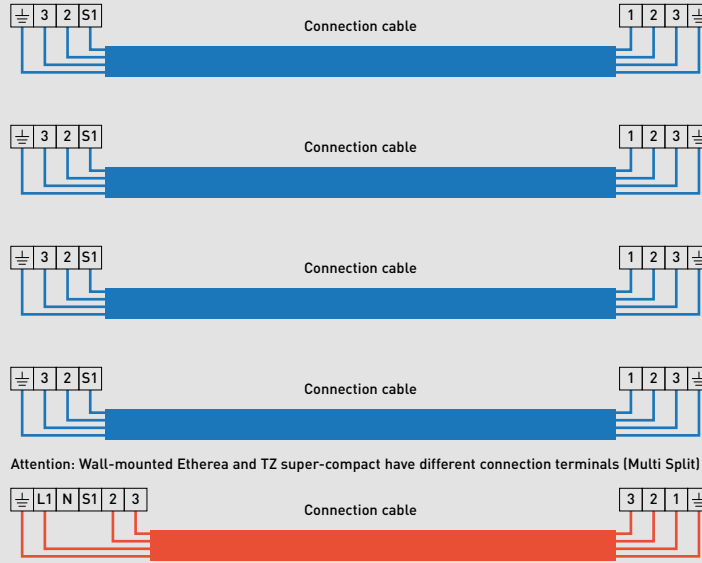
#### Free Multi System - R32

Outdoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor
CU-3Z52TBE	230 V	16 A	3 x 2,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>
CU-3Z68TBE	230 V	16 A	3 x 2,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>
CU-3TZ52TBE	230 V	16 A	3 x 2,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>



### Free Multi System 4 rooms.

Indoor unit



Outdoor unit



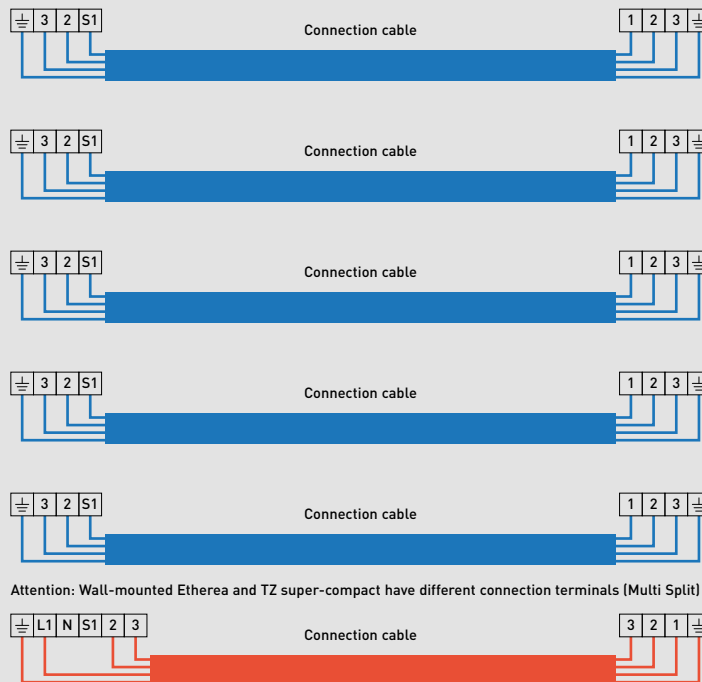
Single phase  
Power supply  
230 V / 50 Hz / 20 A

### Free Multi System · R32

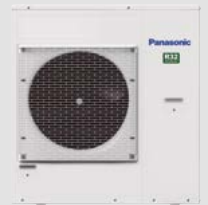
Outdoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor
CU-4Z68TBE	230 V	20 A	3 x 2,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>
CU-4Z80TBE	230 V	20 A	3 x 2,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>

### Free Multi System 5 rooms.

Indoor unit



Outdoor unit

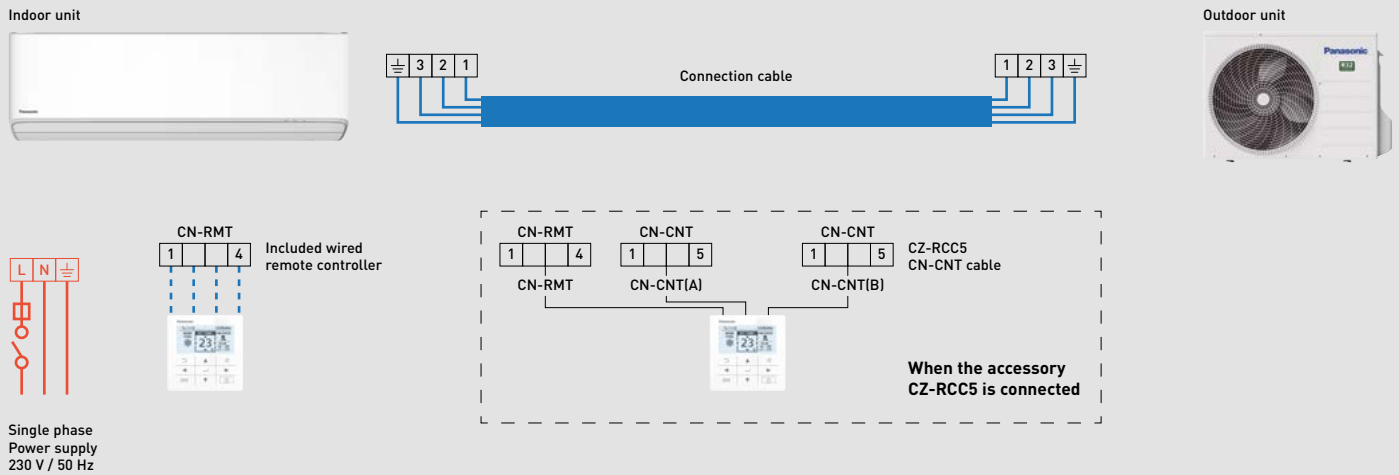


Single phase  
Power supply  
230 V / 50 Hz / 25 A

### Free Multi System · R32

Outdoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor
CU-5Z90TBE	230 V	25 A	3 x 4,0 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>

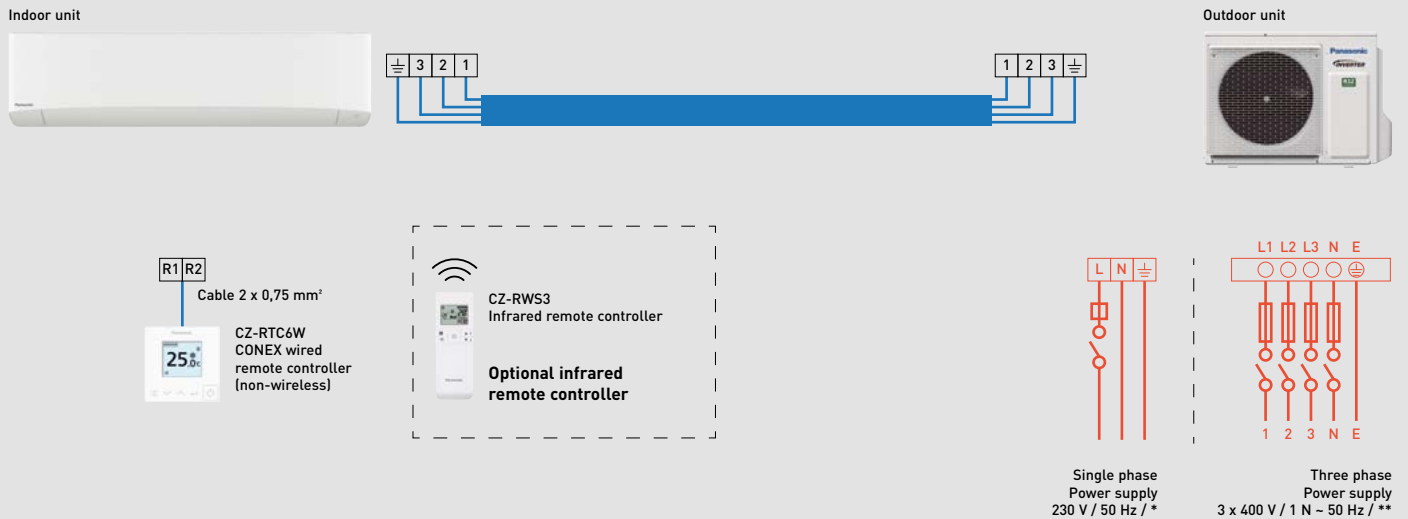
### Wall-mounted Professional kits 1x1.



### Wall-mounted Professional -25 °C · R32

Indoor unit	Power supply	Recommended fuse	Connection indoor / outdoor	Outdoor unit
CS-Z25YKEA	230 V (indoor)	16 A	4 x 1,5 mm <sup>2</sup>	CU-Z25YKEA
CS-Z35YKEA	230 V (indoor)	16 A	4 x 1,5 mm <sup>2</sup>	CU-Z35YKEA
CS-Z42YKEA	230 V (indoor)	16 A	4 x 1,5 mm <sup>2</sup>	CU-Z42YKEA
CS-Z50YKEA	230 V (indoor)	16 A	4 x 2,5 mm <sup>2</sup>	CU-Z50YKEA
CS-Z71YKEA	230 V (indoor)	20 A	4 x 2,5 mm <sup>2</sup>	CU-Z71YKEA

### PACi NX wall-mounted kits 1x1.



#### Single phase

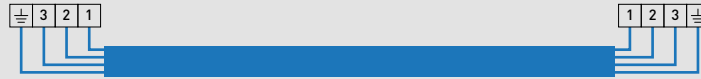
Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker*
S-3650PK3E	4 x 1,5 mm <sup>2</sup>	U-36PZH3E5	220/230/240V	20 A
S-3650PK3E	4 x 1,5 mm <sup>2</sup>	U-50PZH3E5		20 A
S-6010PK3E	4 x 1,5 mm <sup>2</sup>	U-60PZH3E5		25 A
S-6010PK3E	4 x 2,5 mm <sup>2</sup>	U-71PZH4E5		25 A
S-6010PK3E	4 x 2,5 mm <sup>2</sup>	U-100PZH4E5		35 A
S-6010PK3E	4 x 1,5 mm <sup>2</sup>	U-36PZ3E5		16 A
S-6010PK3E	4 x 1,5 mm <sup>2</sup>	U-50PZ3E5		16 A
S-6010PK3E	4 x 1,5 mm <sup>2</sup>	U-60PZ3E5A		20 A
S-6010PK3E	4 x 1,5 mm <sup>2</sup>	U-71PZ3E5A		20 A
S-6010PK3E	4 x 2,5 mm <sup>2</sup>	U-100PZ3E5		35 A

#### Three phase

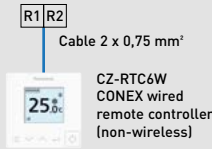
Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker**
S-6010PK3E	4 x 2,5 mm <sup>2</sup>	U-71PZH4E8	380/400/415V	16 A
S-6010PK3E	4 x 2,5 mm <sup>2</sup>	U-100PZH4E8		16 A
S-6010PK3E	4 x 2,5 mm <sup>2</sup>	U-100PZ3E8		16 A

### PACi NX 4 way 60x60 cassette kits 1x1.

Indoor unit



Outdoor unit



Single phase  
Power supply  
230 V / 50 Hz / 16 A

#### Single phase

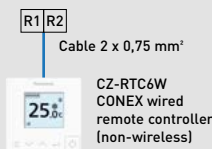
Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker
S-36PY3E	4 x 1,5 mm <sup>2</sup>	U-36PZH3E5	220/230/240 V	16 A
S-50PY3E	4 x 1,5 mm <sup>2</sup>	U-50PZH3E5		16 A
S-60PY3E	4 x 1,5 mm <sup>2</sup>	U-60PZH3E5		16 A
S-25PY3E	4 x 1,5 mm <sup>2</sup>	U-25PZ3E5		16 A
S-36PY3E	4 x 1,5 mm <sup>2</sup>	U-36PZ3E5		16 A
S-50PY3E	4 x 1,5 mm <sup>2</sup>	U-50PZ3E5		16 A
S-60PY3E	4 x 1,5 mm <sup>2</sup>	U-60PZ3E5A		16 A

### PACi NX 4 way 90x90 cassette kits 1x1.

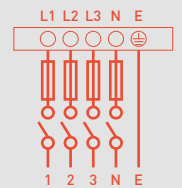
Indoor unit



Outdoor unit



Single phase  
Power supply  
230 V / 50 Hz / \*



Three phase  
Power supply  
3 x 400 V / 1 N - 50 Hz / \*\*

#### Single phase

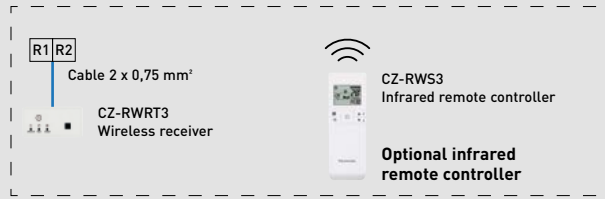
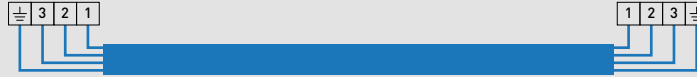
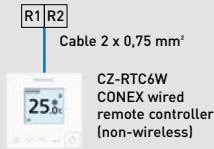
Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker*
S-3650PU3E	4 x 1,5 mm <sup>2</sup>	U-36PZH3E5	220/230/240 V	20 A
S-3650PU3E	4 x 1,5 mm <sup>2</sup>	U-50PZH3E5		20 A
S-6071PU3E	4 x 1,5 mm <sup>2</sup>	U-60PZH3E5		25 A
S-6071PU3E	4 x 2,5 mm <sup>2</sup>	U-71PZH4E5		25 A
S-1014PU3E	4 x 2,5 mm <sup>2</sup>	U-100PZH4E5		35 A
S-1014PU3E	4 x 2,5 mm <sup>2</sup>	U-125PZH4E5		40 A
S-1014PU3E	4 x 2,5 mm <sup>2</sup>	U-140PZH4E5		40 A
S-3650PU3E	4 x 1,5 mm <sup>2</sup>	U-36PZ3E5		16 A
S-3650PU3E	4 x 1,5 mm <sup>2</sup>	U-50PZ3E5		16 A
S-6071PU3E	4 x 1,5 mm <sup>2</sup>	U-60PZ3E5A		20 A
S-6071PU3E	4 x 1,5 mm <sup>2</sup>	U-71PZ3E5A		20 A
S-6010PU3E	4 x 2,5 mm <sup>2</sup>	U-100PZ3E5		35 A
S-1014PU3E	4 x 2,5 mm <sup>2</sup>	U-125PZ3E5		40 A
S-1014PU3E	4 x 2,5 mm <sup>2</sup>	U-140PZ3E5		40 A

#### Three phase

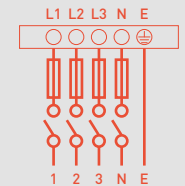
Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker**
S-6071PU3E	4 x 2,5 mm <sup>2</sup>	U-71PZH4E8	380/400/415 V	16 A
S-1014PU3E	4 x 2,5 mm <sup>2</sup>	U-100PZH4E8		16 A
S-1014PU3E	4 x 2,5 mm <sup>2</sup>	U-125PZH4E8		16 A
S-1014PU3E	4 x 2,5 mm <sup>2</sup>	U-140PZH4E8		16 A
S-1014PU3E	4 x 2,5 mm <sup>2</sup>	U-100PZ3E8		20 A
S-1014PU3E	4 x 2,5 mm <sup>2</sup>	U-125PZ3E8		20 A
S-1014PU3E	4 x 2,5 mm <sup>2</sup>	U-140PZ3E8		20 A

PACi NX ceiling kits 1x1.

Indoor unit



Outdoor unit



Single phase  
Power supply  
230 V / 50 Hz / \*

Three phase  
Power supply  
3 x 400 V / 1 N - 50 Hz / \*\*

Single phase

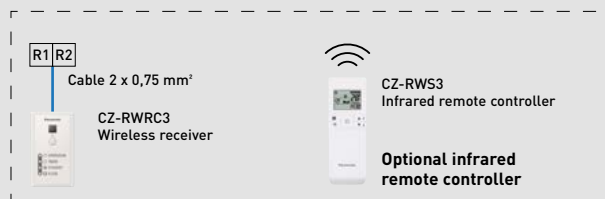
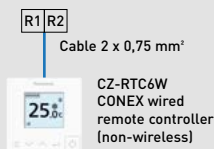
Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker*
S-3650PT3E	4 x 1,5 mm <sup>2</sup>	U-36PZH3E5	220 / 230 / 240 V	20 A
S-3650PT3E	4 x 1,5 mm <sup>2</sup>	U-50PZH3E5		20 A
S-6071PT3E	4 x 1,5 mm <sup>2</sup>	U-60PZH3E5		25 A
S-6071PT3E	4 x 2,5 mm <sup>2</sup>	U-71PZH4E5		25 A
S-1014PT3E	4 x 2,5 mm <sup>2</sup>	U-100PZH4E5		35 A
S-1014PT3E	4 x 2,5 mm <sup>2</sup>	U-125PZH4E5		40 A
S-1014PT3E	4 x 2,5 mm <sup>2</sup>	U-140PZH4E5		40 A
S-3650PT3E	4 x 1,5 mm <sup>2</sup>	U-36PZ3E5		16 A
S-3650PT3E	4 x 1,5 mm <sup>2</sup>	U-50PZ3E5		16 A
S-6071PT3E	4 x 1,5 mm <sup>2</sup>	U-60PZ3E5A		20 A
S-6071PT3E	4 x 1,5 mm <sup>2</sup>	U-71PZ3E5A		20 A
S-6010PT3E	4 x 2,5 mm <sup>2</sup>	U-100PZ3E5		35 A
S-1014PT3E	4 x 2,5 mm <sup>2</sup>	U-125PZ3E5		40 A
S-1014PT3E	4 x 2,5 mm <sup>2</sup>	U-140PZ3E5		40 A

Three phase

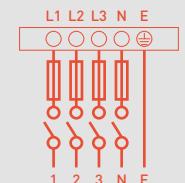
Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker**
S-6071PT3E	4 x 2,5 mm <sup>2</sup>	U-71PZH4E8	380 / 400 / 415 V	16 A
S-1014PT3E	4 x 2,5 mm <sup>2</sup>	U-100PZH4E8		16 A
S-1014PT3E	4 x 2,5 mm <sup>2</sup>	U-125PZH4E8		16 A
S-1014PT3E	4 x 2,5 mm <sup>2</sup>	U-140PZH4E8		16 A
S-1014PT3E	4 x 2,5 mm <sup>2</sup>	U-100PZ3E8		20 A
S-1014PT3E	4 x 2,5 mm <sup>2</sup>	U-125PZ3E8		20 A
S-1014PT3E	4 x 2,5 mm <sup>2</sup>	U-140PZ3E8		20 A

PACi NX adaptive ducted unit kits 1x1.

Indoor unit



Outdoor unit



Single phase  
Power supply  
230 V / 50 Hz / \*

Three phase  
Power supply  
3 x 400 V / 1 N - 50 Hz / \*\*

Single phase

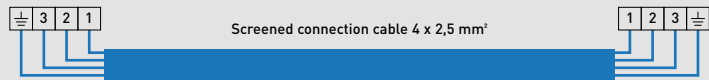
Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker*
S-3650PF3E	4 x 1,5 mm <sup>2</sup>	U-36PZH3E5	220 / 230 / 240 V	20 A
S-3650PF3E	4 x 1,5 mm <sup>2</sup>	U-50PZH3E5		20 A
S-6071PF3E	4 x 1,5 mm <sup>2</sup>	U-60PZH3E5		25 A
S-6071PF3E	4 x 2,5 mm <sup>2</sup>	U-71PZH4E5		25 A
S-1014PF3E	4 x 2,5 mm <sup>2</sup>	U-100PZH4E5		35 A
S-1014PF3E	4 x 2,5 mm <sup>2</sup>	U-125PZH4E5		40 A
S-1014PF3E	4 x 2,5 mm <sup>2</sup>	U-140PZH4E5		40 A
S-3650PF3E	4 x 1,5 mm <sup>2</sup>	U-36PZ3E5		16 A
S-3650PF3E	4 x 1,5 mm <sup>2</sup>	U-50PZ3E5		16 A
S-6071PF3E	4 x 1,5 mm <sup>2</sup>	U-60PZ3E5A		20 A
S-6071PF3E	4 x 1,5 mm <sup>2</sup>	U-71PZ3E5A		20 A
S-6010PF3E	4 x 2,5 mm <sup>2</sup>	U-100PZ3E5		35 A
S-1014PF3E	4 x 2,5 mm <sup>2</sup>	U-125PZ3E5		40 A
S-1014PF3E	4 x 2,5 mm <sup>2</sup>	U-140PZ3E5		40 A

Three phase

Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker**
S-6071PF3E	4 x 2,5 mm <sup>2</sup>	U-71PZH4E8	380 / 400 / 415 V	16 A
S-1014PF3E	4 x 2,5 mm <sup>2</sup>	U-100PZH4E8		16 A
S-1014PF3E	4 x 2,5 mm <sup>2</sup>	U-125PZH4E8		16 A
S-1014PF3E	4 x 2,5 mm <sup>2</sup>	U-140PZH4E8		16 A
S-1014PF3E	4 x 2,5 mm <sup>2</sup>	U-100PZ3E8		20 A
S-1014PF3E	4 x 2,5 mm <sup>2</sup>	U-125PZ3E8		20 A
S-1014PF3E	4 x 2,5 mm <sup>2</sup>	U-140PZ3E8		20 A

### Big PACi NX high static pressure hide-away 20,0-25,0 kW kits 1x1.

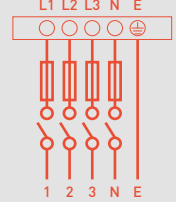
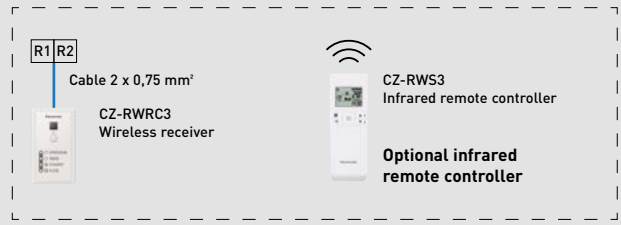
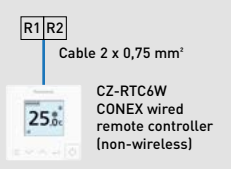
Indoor unit



Outdoor unit



Single phase  
Power supply  
230 V / 50 Hz / 10 A



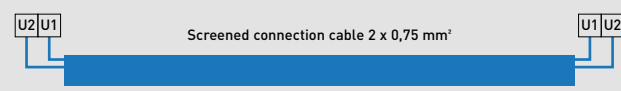
Three phase  
Power supply  
3 x 400 V / 1 N - 50 Hz

#### Three phase

Indoor unit	Power supply	Outdoor unit	Power supply	Circuit breaker
S-200PE4E5	220 / 230 / 240 V	U-200PZH4E8	380 / 400 / 415 V	16 A
S-250PE4E5		U-250PZH4E8		20 A

### Big PACi high static pressure hide-away 20,0-25,0 kW kits 1x1.

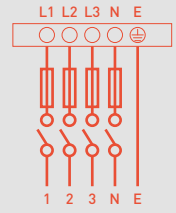
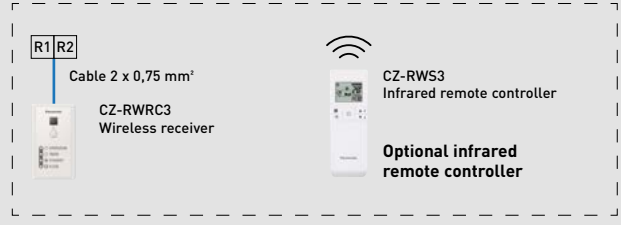
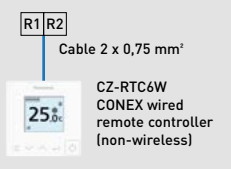
Indoor unit



Outdoor unit



Single phase  
Power supply  
230 V / 50 Hz / 10 A

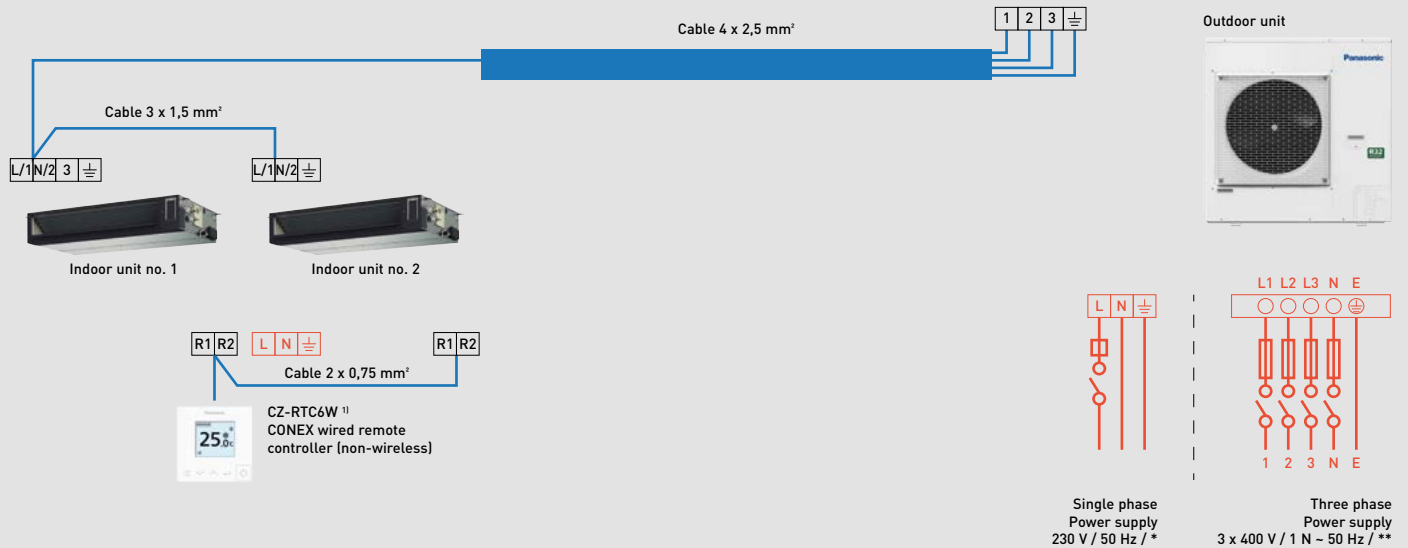


Three phase  
Power supply  
3 x 400 V / 1 N - 50 Hz

#### Three phase

Indoor unit	Power supply	Outdoor unit	Power supply	Circuit breaker
S-200PE3E5B	220 / 230 / 240 V	U-200PZH2E8	380 / 400 / 415 V	16 A
S-250PE3E5B		U-250PZH2E8		20 A

PACi NX twin system.



Single phase

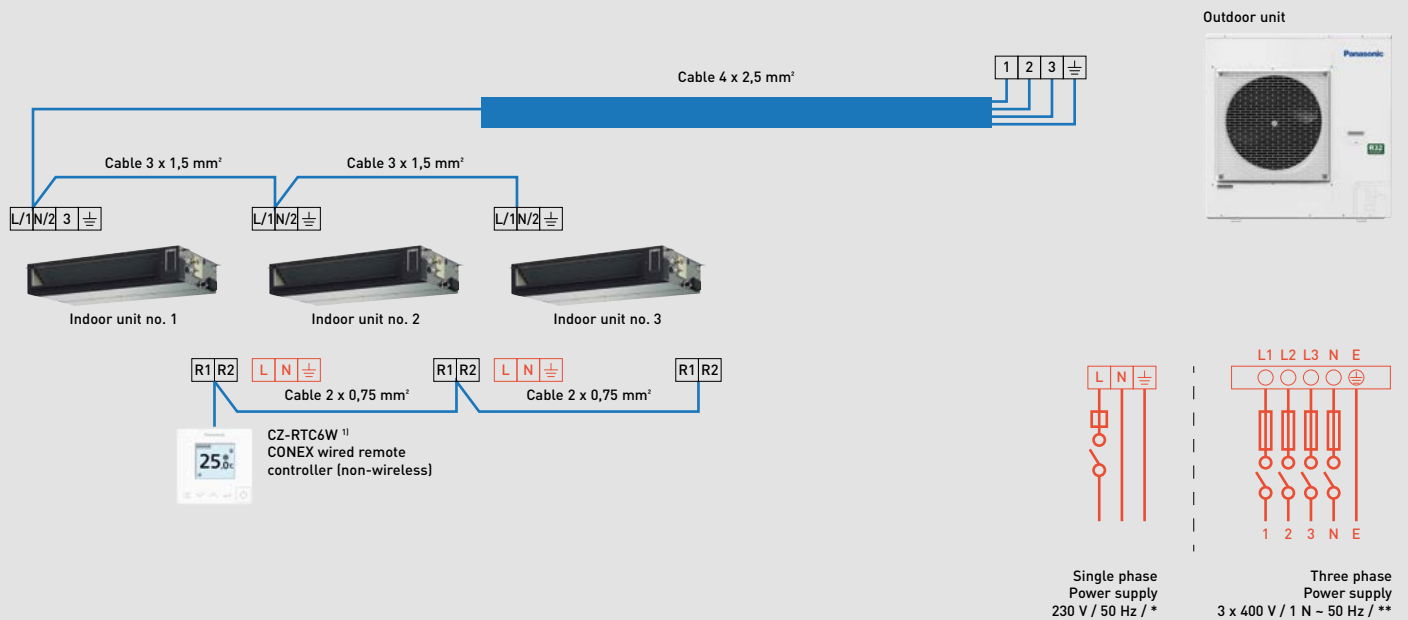
Outdoor unit	Power supply	Circuit breaker*
U-71PZH4E5	220 / 230 / 240 V	25 A
U-100PZH4E5		35 A
U-125PZH4E5		40 A
U-140PZH4E5		40 A
U-100PZ3E5		35 A
U-125PZ3E5		40 A
U-140PZ3E5		40 A

1) Optional infrared remote controller is also possible. Wireless receivers may be required depending on indoor units.

Three phase

Outdoor unit	Power supply	Circuit breaker**
U-71PZH4E8	380 / 400 / 415 V	16 A
U-100PZH4E8		16 A
U-125PZH4E8		16 A
U-140PZH4E8		16 A
U-200PZH4E8		20 A
U-250PZH4E8		30 A
U-100PZ3E8		16 A
U-125PZ3E8	20 A	
U-140PZ3E8	20 A	

PACi NX triple system.



Single phase

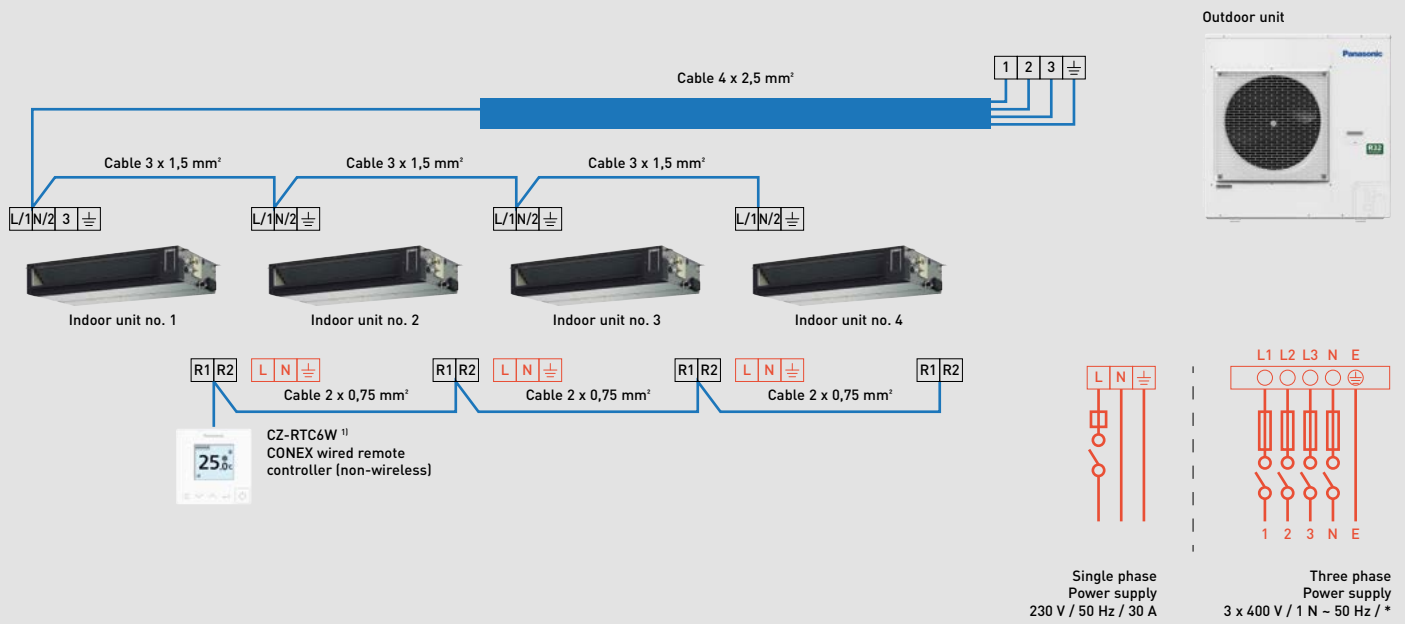
Outdoor unit	Power supply	Circuit breaker*
U-71PZH4E5	220 / 230 / 240 V	25 A
U-100PZH4E5		35 A
U-125PZH4E5		35 A
U-140PZH4E5		40 A

1) Optional infrared remote controller is also possible. Wireless receivers may be required depending on indoor units.

Three phase

Outdoor unit	Power supply	Circuit breaker**
U-71PZH4E8	380 / 400 / 415 V	16 A
U-100PZH4E8		16 A
U-125PZH4E8		16 A
U-140PZH4E8		16 A
U-200PZH4E8		20 A
U-250PZH4E8		30 A

PACi NX double-twin system.



**Single phase**

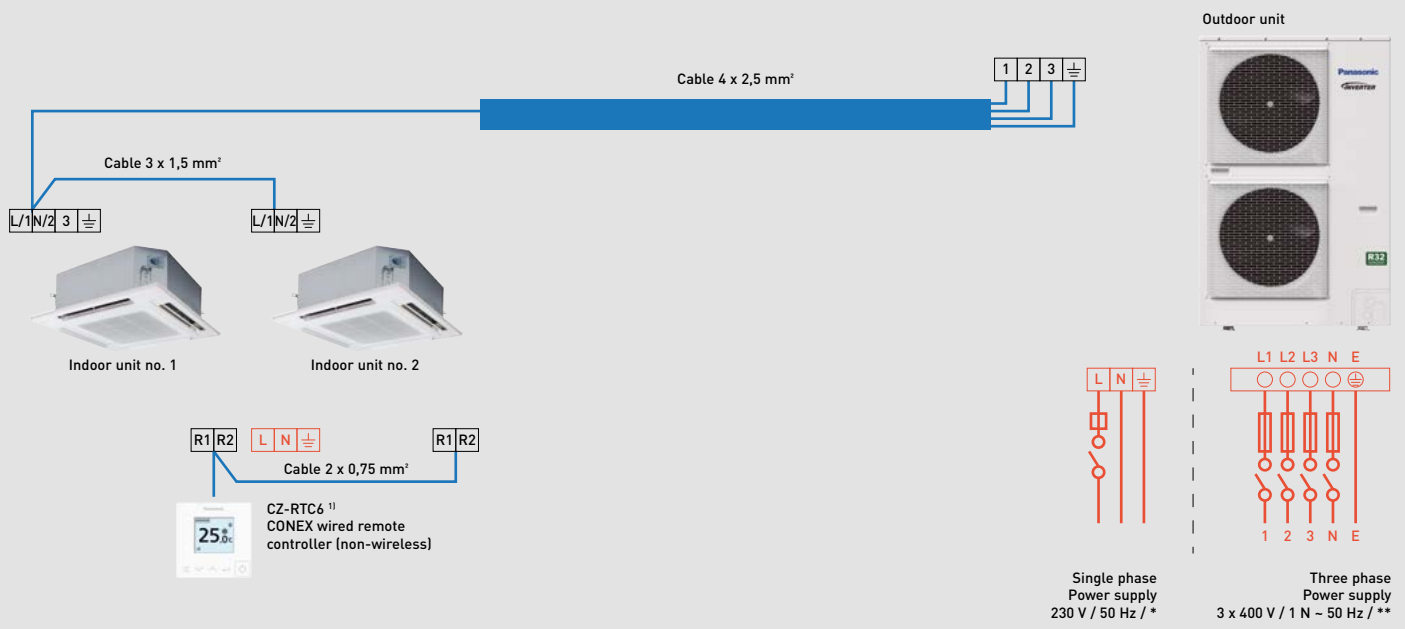
Outdoor unit	Power supply	Circuit breaker
U-100PZ3E5	220 / 230 / 240 V	35 A
U-125PZH4E5		40 A

1) Optional infrared remote controller is also possible. Wireless receivers may be required depending on indoor units.

**Three phase**

Outdoor unit	Power supply	Circuit breaker*
U-100PZH4E8	380 / 400 / 415 V	16 A
U-125PZH4E8		16 A
U-200PZH4E8		16 A
U-250PZH4E8		20 A

PACi twin system.

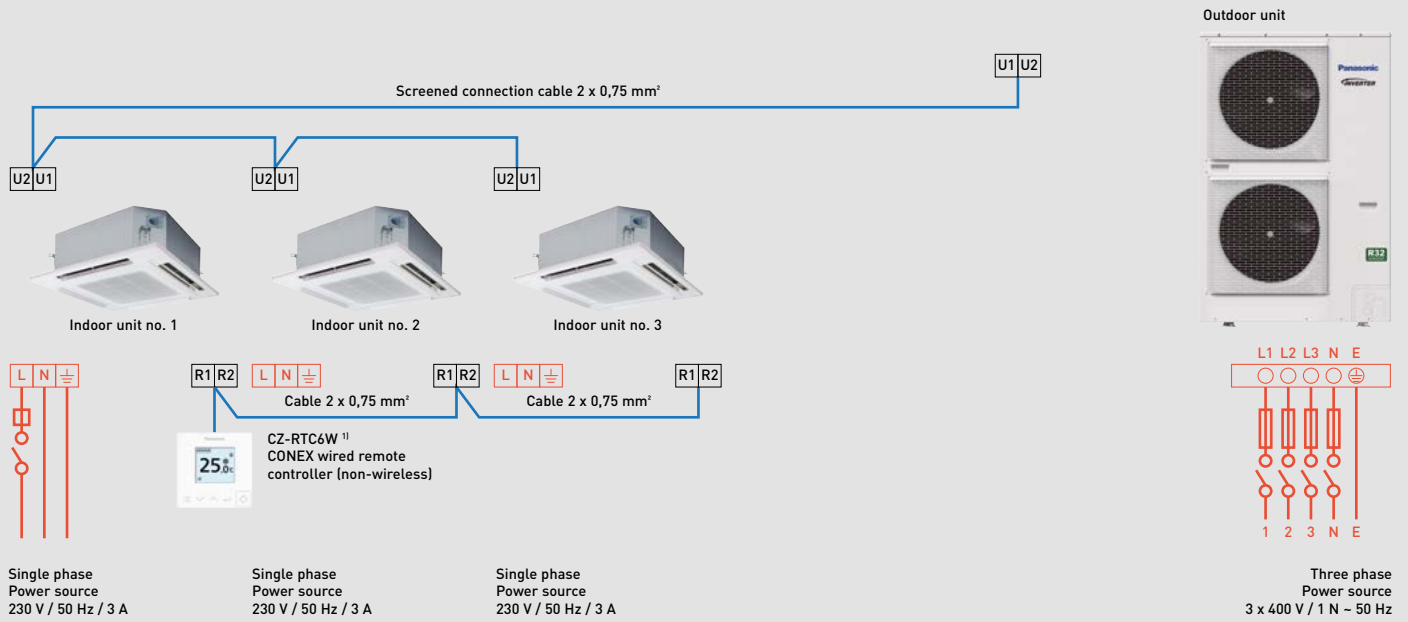


**Three phase**

Outdoor unit	Power source	Circuit breaker
U-200PZH2E8	380 / 400 / 415 V	16 A
U-250PZH2E8	380 / 400 / 415 V	25 A

1) Optional infrared remote controller is also possible. Wireless receivers may be required depending on indoor units.

PACi triple system.

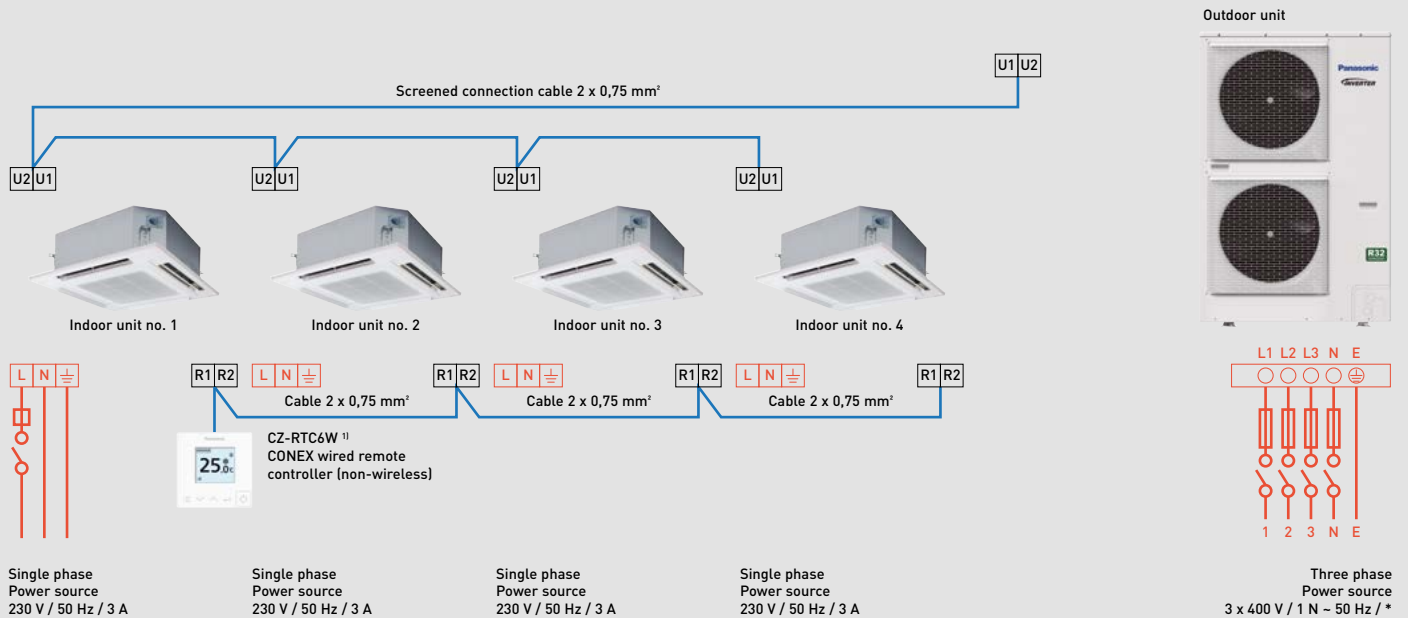


Three phase

Outdoor unit	Power source	Circuit breaker
U-200PZH2E8	380 / 400 / 415 V	16 A

1) Optional infrared remote controller is also possible. Wireless receivers may be required depending on indoor units.

PACi double-twin system.



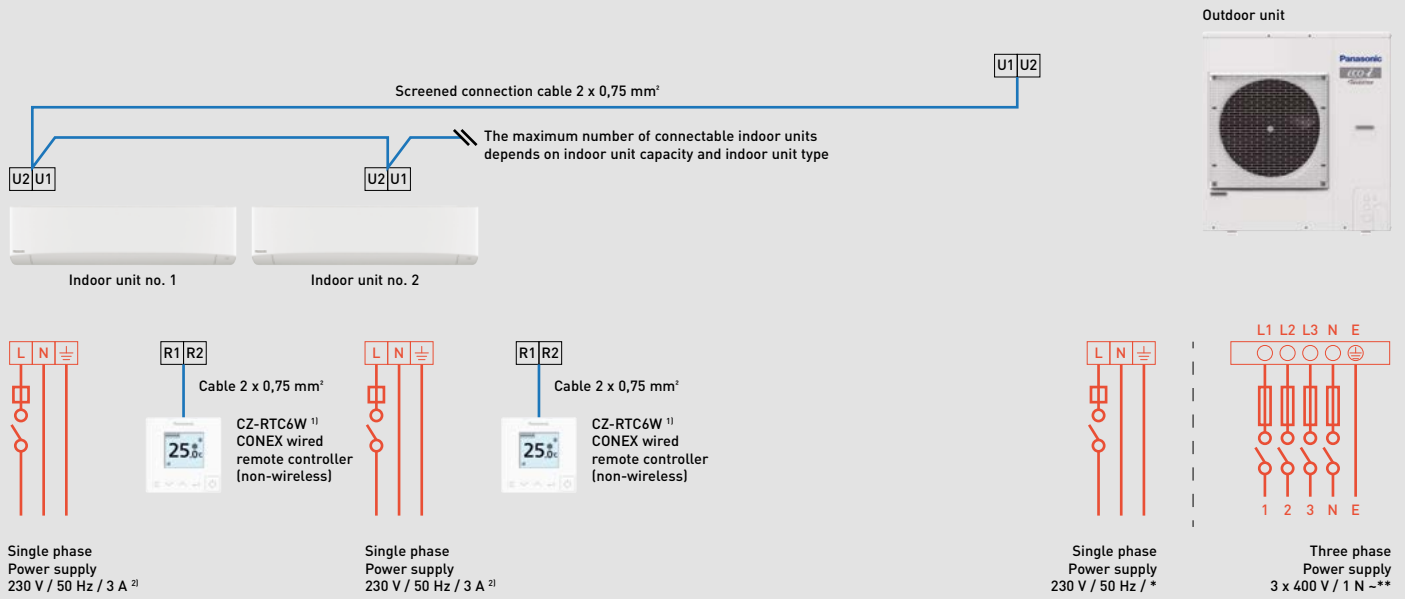
Three phase

Outdoor unit	Power source	Circuit breaker
U-200PZH2E8	380 / 400 / 415 V	16 A
U-250PZH2E8	380 / 400 / 415 V	25 A

1) Optional infrared remote controller is also possible. Wireless receivers may be required depending on indoor units.



Mini ECOi Series.



Single phase

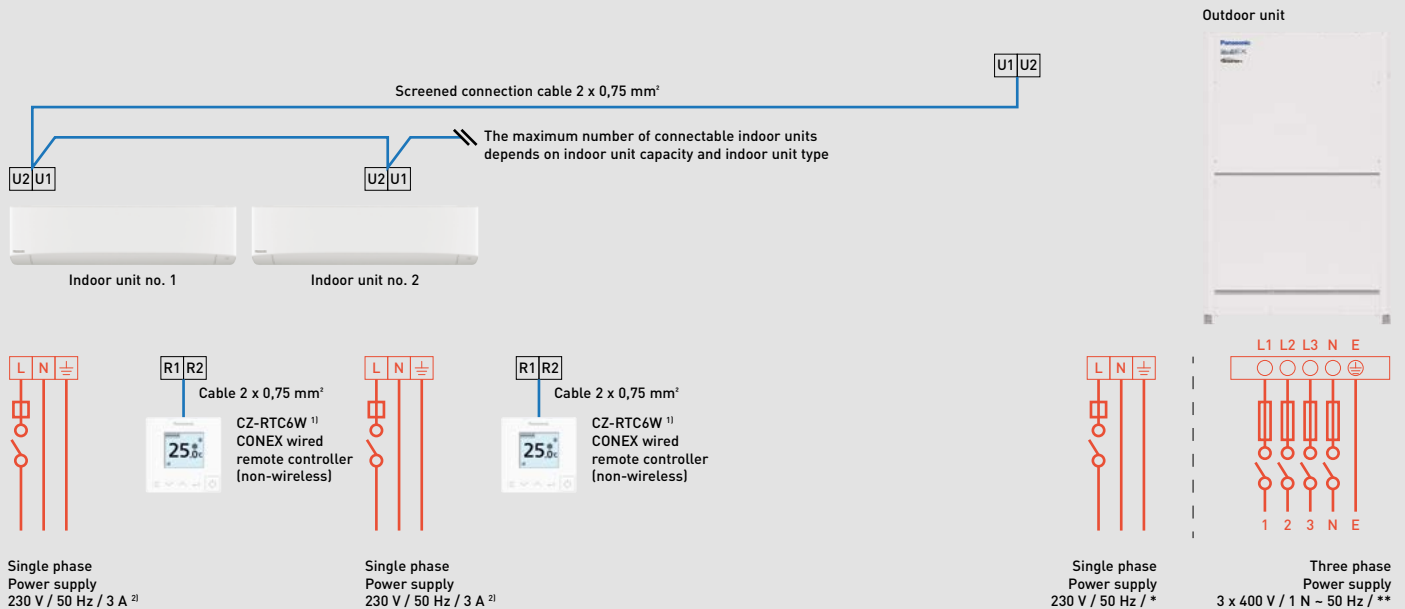
Outdoor unit	Power supply	Circuit breaker*
U-4LZ2E5	220 / 230 / 240 V	20 A
U-5LZ2E5		25 A
U-6LZ2E5		30 A
U-4LE2E5		20 A
U-5LE2E5		25 A
U-6LE2E5		30 A

1) Optional infrared remote controller is also possible. Wireless receivers may be required depending on indoor units.  
 2) 10 A for single indoor connection to S-224ME2E5 / S-280ME2E5, in combination with U-8LE1E8 / U-10LE1E8.

Three phase

Outdoor unit	Power supply	Circuit breaker**
U-4LZ2E8	380 / 400 / 415 V	10 A
U-5LZ2E8		16 A
U-6LZ2E8		16 A
U-8LZ2E8		16 A
U-10LZ2E8		20 A
U-4LE2E8		10 A
U-5LE2E8		16 A
U-6LE2E8		16 A
U-8LE1E8		16 A
U-10LE1E8		20 A

ECOi EX and ECO G Series.



ECOi EX Series

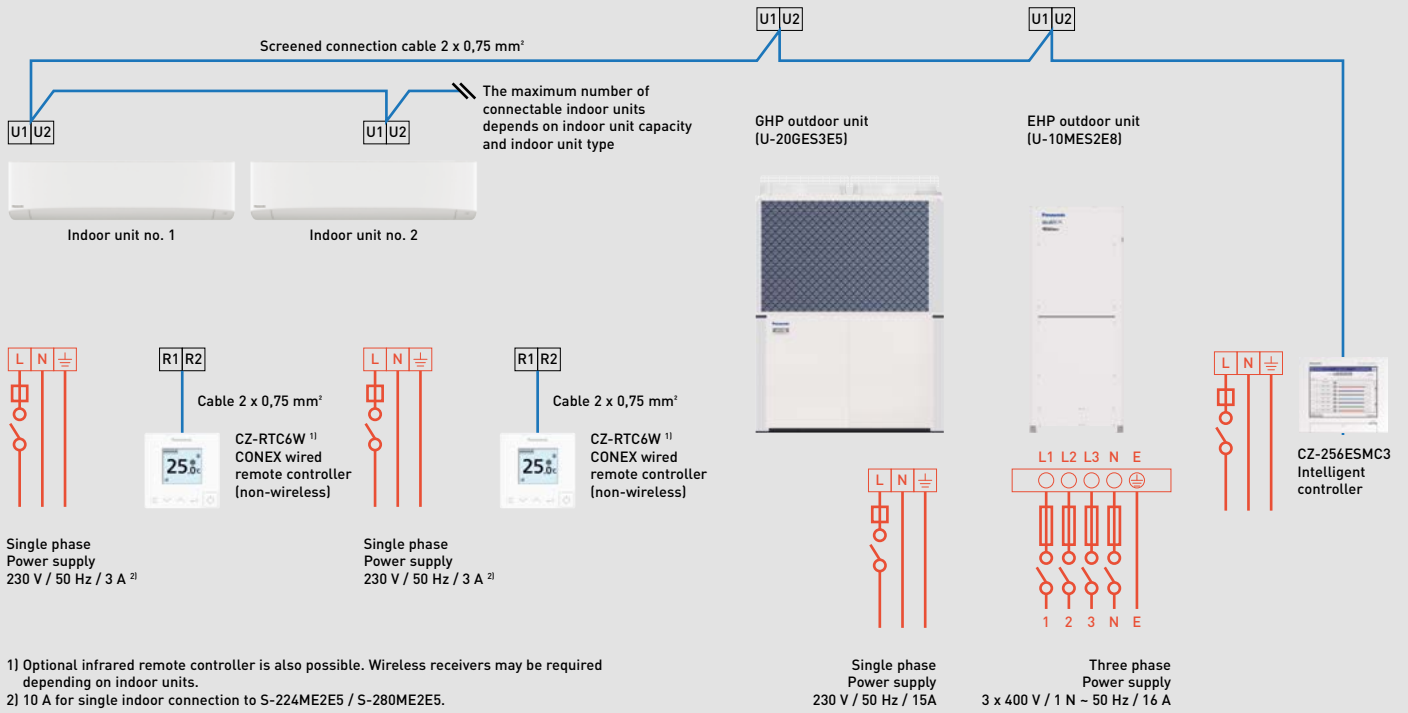
2-Pipe			3-Pipe		
Outdoor unit	Power supply	Circuit breaker**	Outdoor unit	Power supply	Circuit breaker**
U-8ME2E8	380 / 400 / 415 V	16 A	U-8MF3E8	380 / 400 / 415 V	16 A
U-10ME2E8		16 A	U-10MF3E8		20 A
U-12ME2E8		20 A	U-12MF3E8		25 A
U-14ME2E8		25 A	U-14MF3E8		40 A
U-16ME2E8		30 A	U-16MF3E8		30 A
U-18ME2E8		40 A			
U-20ME2E8		40 A			

ECO G Series

2-Pipe			3-Pipe		
Outdoor unit	Power supply	Circuit breaker*	Outdoor unit	Power supply	Circuit breaker*
U-16GE3E5	220 / 230 / 240 V	16 A	U-16GF3E5	220 / 230 / 240 V	16 A
U-20GE3E5		16 A	U-20GF3E5		16 A
U-25GE3E5		16 A	U-25GF3E5		16 A
U-30GE3E5		16 A			

1) Optional infrared remote controller is also possible. Wireless receivers may be required depending on indoor units.  
 2) 10 A for single indoor connection to S-224ME2E5 / S-280ME2E5.

Hybrid GHP/EHP.



1) Optional infrared remote controller is also possible. Wireless receivers may be required depending on indoor units.  
 2) 10 A for single indoor connection to S-224ME2E5 / S-280ME2E5.

## Panasonic service

Our Panasonic Service teams are committed to ensuring your peace of mind. Best service is our aim.

Panasonic provides a team of highly trained technicians and engineers to deliver professional and responsive services that meet the highest levels of quality and safety while being efficient and cost effective.

To find out more about Panasonic Heating & Cooling Solutions, please visit [www.aircon.panasonic.eu](http://www.aircon.panasonic.eu).



### Maintenance.

To meet the requirements of the standard warranty, the product must be maintained and serviced annually by a suitably trained and qualified engineer. This way we can extend the lifetime of the product.



### Repair.

Panasonic offers a wide range of service agreements, like Panasonic Service+ for a maximized product lifetime. Leave the care of your Panasonic products to the experts. In the unlikely event that something goes wrong, trust one of our qualified and Panasonic trained experts to get things back on track.

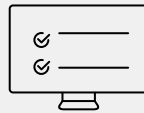


### Warranty.

In accordance with the regulations, Panasonic guarantees its products against hidden defects. Moreover, Panasonic grants to the professional purchaser a commercial warranty, specific to the product families, subject to compliance of all the rules of installation and use of its products.

## Panasonic Heating & Cooling Solutions customer service

Panasonic enables different channels for end users or professionals to get in touch with us:



Use our European website [www.aircon.panasonic.eu](http://www.aircon.panasonic.eu) for contacting us.

Panasonic has implemented a contact page on the Panasonic Heating & Cooling Solutions website for potential or existing Panasonic customers.



Another option is to contact the highly experienced teams at the Panasonic customer service center, who are more than qualified to support Panasonic clients in 13 different languages across Europe.

### Our service center in Europe for end customers:

Country	B2C support center	Opening times
Spain	900 82 87 87	Mo-Fr 9-17h
Portugal	800 78 22 20	Mo-Fr 9-17h
France	0800 805 215	Mo-Fr 9-17h
Italy	+39 2 6433235	Mo-Fr 9-17h
United Kingdom	0808 208 2115	Mo-Fr 9-17h
Ireland	1800 939 977	Mo-Fr 9-17h
Poland	800 080 911	Mo-Fr 9-17h
Denmark	+45 89 87 45 00	Mo-Fr 9-17h
Sweden	+46 85 221 81 00	Mo-Fr 9-17h
Finland	+35 8646041590	Mo-Fr 9-17h

Country	B2C support center	Opening times
Norway	+47 69 67 61 00	Mo-Fr 9-17h
Germany	+49 611 71187211	Mo-Sat 7-18h
Hungary	+36 1 700 89 65	Mo-Fr 9-17h
Switzerland DE	+41 415615366	Mo-Fr 9-17h
Switzerland FR	+41 435880049	Mo-Fr 9-17h
Switzerland IT	+41 435880048	Mo-Fr 9-17h
The Netherlands	+31 73 6402 538	Mo-Sat 7-18h
Belgium NL	+32 2 320 55 38	Mo-Fr 9-17h
Belgium FR	+32 2 320 55 38	Mo-Fr 9-17h
Luxemburg	+32 2 320 55 38	Mo-Fr 9-17h

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heating & cooling solutions

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Efficient solutions that reduce environmental footprint

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ABOUT COMMERCIAL SOLUTIONS

## Residential Solutions

Aquarea L Generation of air to water heat pumps with R290 natural refrigerant >

Aquarea K Generation of air to water heat pumps with R32 refrigerant >

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**Panasonic Heating & Ventilation Air-Conditioning Europe**

Hagenauer Strasse 43, 65203 Wiesbaden, Germany  
**www.aircon.panasonic.eu**

**Ireland**

**Panasonic Heating & Cooling Solutions**

1 The Courtyard, Kiltcarbery Business Park, Nangor Road, Dublin D22 R791, Ireland  
 ☎ 1800 939 977  
 www.aircon.panasonic.ie

**France / Belgium / Luxembourg**

**Panasonic Solutions Chauffage & Refroidissement**

1 à 7 Rue du 19 Mars 1962, 92238, Gennevilliers Cedex, France  
 ☎ 0800 805 215 (France)  
 +32 2 320 55 38 (Belgium & Luxembourg)  
 www.aircon.panasonic.eu

**Germany / Austria / Switzerland**

**Panasonic Heiz- & Kühlsysteme**

Hagenauer Str. 43, 65203 Wiesbaden, Germany  
 +49 611 711 87 211 (Germany)  
 ☎ +43 1 253 22 120 (Austria)  
 +41 41 561 53 66 (Switzerland)  
 HLK-Support-DE@eu.panasonic.com (Germany)  
 ☎ HLK-Support-AT@eu.panasonic.com (Austria)  
 HLK-Support-CH@eu.panasonic.com (Switzerland)  
 www.aircon.panasonic.eu

**Poland**

**Panasonic Heating & Cooling Solutions**

Wotoska 9, 02-583, Warszawa, Polska  
 ☎ 800 080 911  
 ☎ info.pl@panasonicproclub.com  
 www.aircon.panasonic.pl

**The Netherlands**

**Panasonic Heating & Cooling Solutions**

Europalaan 28E, 5332 BC, 's-Hertogenbosch, The Netherlands  
 ☎ +31 736 402 538  
 www.aircon.panasonic.nl

**Spain / Portugal**

**Panasonic Heating & Cooling Solutions**

WTC Almeda Park, plaza de la Pau s/n, Edificio 6, planta 4ª, Local D - 08940 Cornellà de Llobregat, Spain  
 ☎ 900 82 87 87 (Spain)  
 ☎ 800 78 22 20 (Portugal)  
 www.aircon.panasonic.eu

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**Panasonic Heating & Cooling Solutions**

Viale dell'Innovazione, 3, 20126, Milano, Italy  
 ☎ +39 02 6433235 (Customer Service)  
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**Panasonic Heating & Cooling Solutions**

Sundbybergsvägen 1, 171 73 Solna, Sweden  
 +46 85 221 81 00 (Sweden)  
 ☎ +45 89 87 45 00 (Denmark)  
 ☎ +47 69 67 61 00 (Norway)  
 +35 86 46 04 15 90 (Finland)  
 www.aircon.panasonic.eu

**Czech Republic / Slovakia**

**Panasonic Heating & Cooling Solutions**

Křižíkova 148/34, 186 00 Praha 8, Czech Republic  
 ☎ +420 236 032 911  
 ☎ panasonic.praha@eu.panasonic.com  
 www.aircon.panasonic.cz

**Hungary / Albania / Bosnia / Bulgaria / Croatia / Kosovo / Montenegro / Romania / Serbia / Slovenia**

**Panasonic Heating & Cooling Solutions**

Alíz utca 3. - Office Garden III, 1117 Budapest, Hungary  
 ☎ +36 1 700 89 65  
 ☎ panasonicaquarea@eu.panasonic.com  
 www.aircon.panasonic.eu

**United Kingdom**

**Panasonic Heating & Ventilation Air-Conditioning UK Ltd.**

Building 3, Albany Place, Hydeway, Welwyn Garden City, AL7 3BT, United Kingdom  
 ☎ +44 1707 378 670  
 ☎ sales.PHVACUK@eu.panasonic.com  
**www.aircon.panasonic.co.uk**



Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of the other refrigerant.  
 The outdoor units in this catalogue contains fluorinated greenhouse gases with a GWP higher than 150.

**Panasonic®**

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 log on to: **www.aircon.panasonic.eu**

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**Panasonic Heating & Ventilation Air-conditioning Europe**  
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