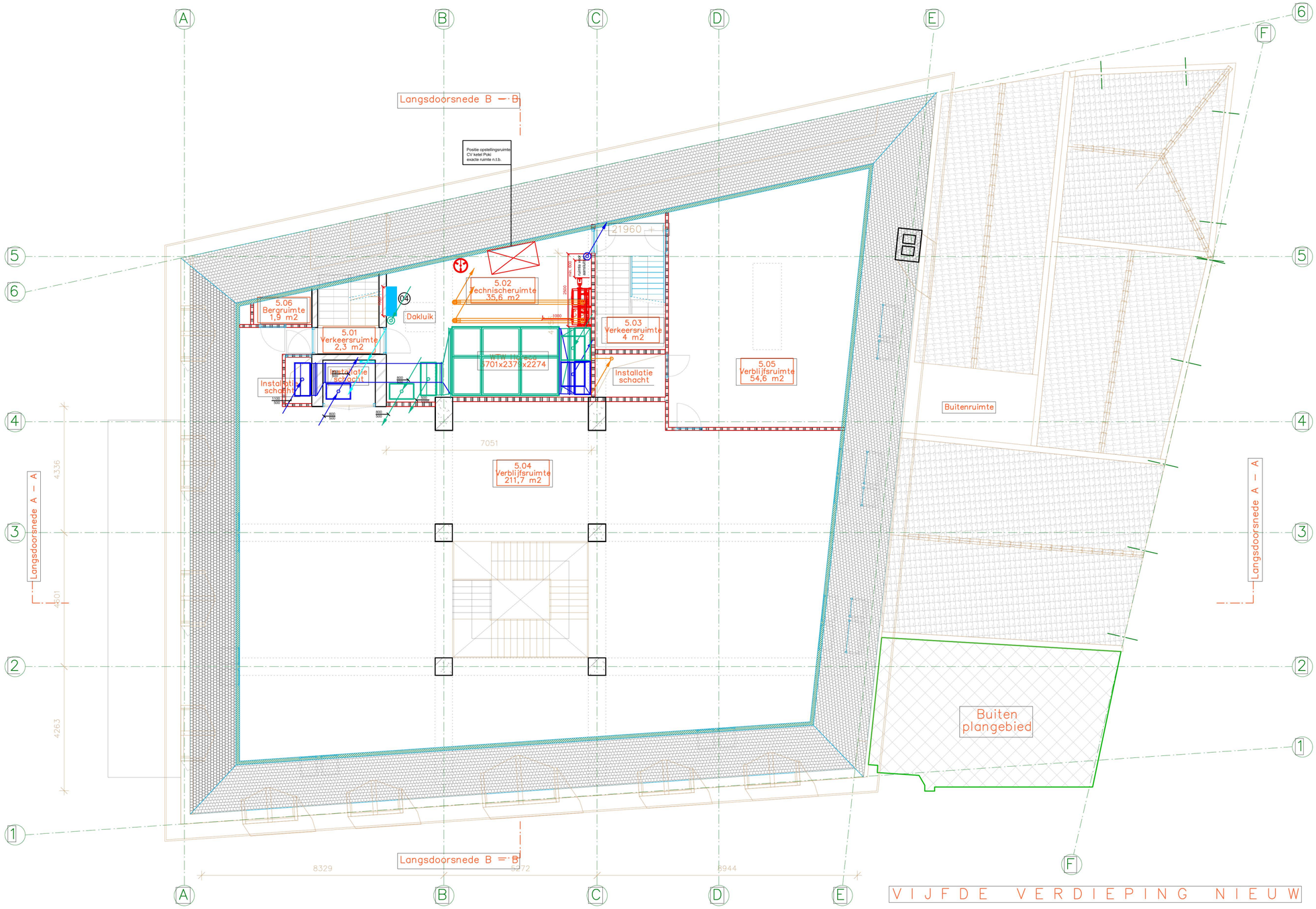
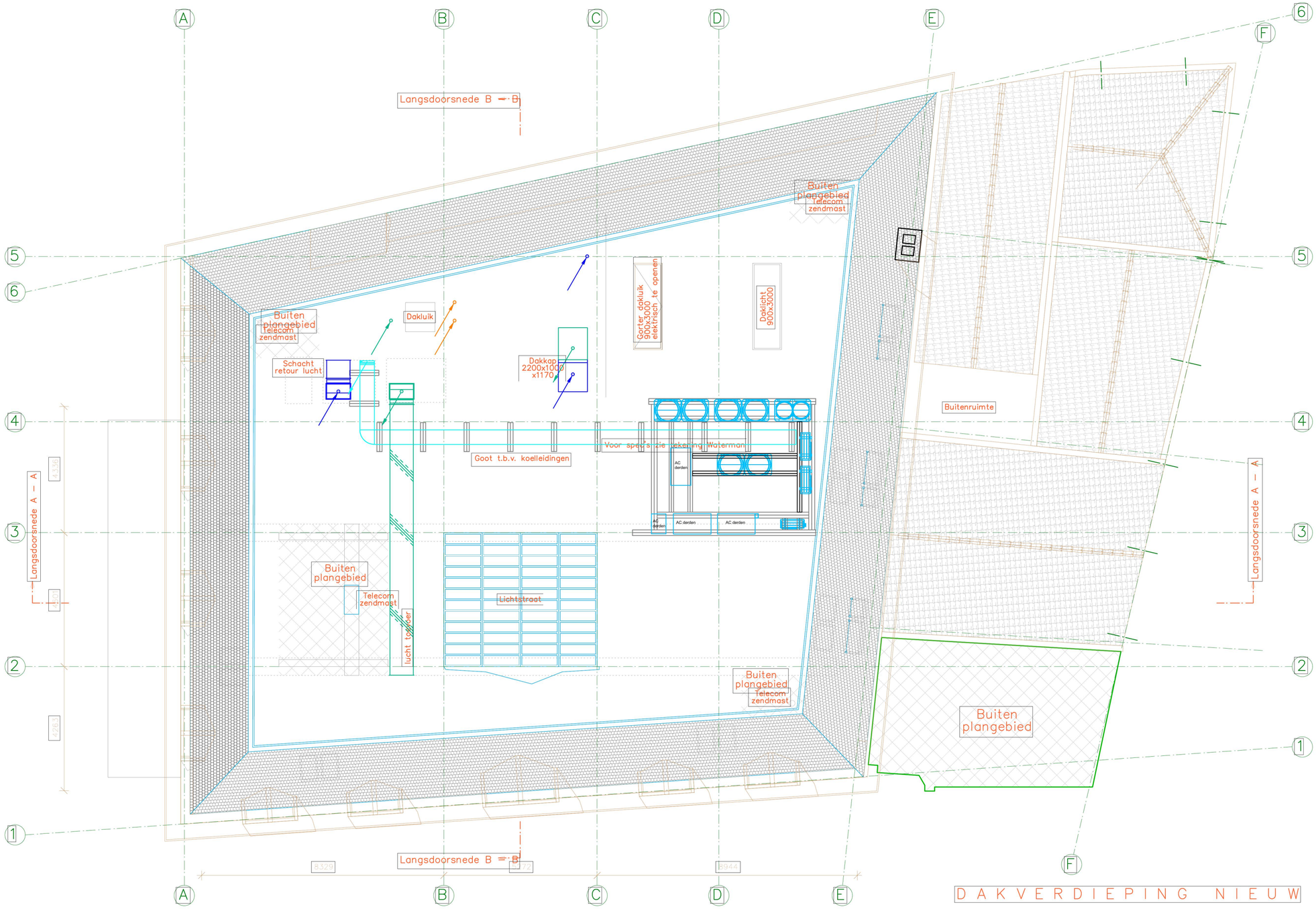


Poki Spui 10 te Amsterdam	1900BE 21DV
	Wijziging F -
	Wijziging E -
	Wijziging D -
	Wijziging C -
	Wijziging B -
	Wijziging A -



Poki Spui 10 te Amsterdam	1900BE 22DV
	Wijziging F -
	Wijziging E -
	Wijziging D -
	Wijziging C -
	Wijziging B -
	Wijziging A -

1. SPECIFICATIONS

Model			PURY-P200YNW-A (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal) *1		kW	22.4
		kcal/h	20,000
		BTU/h	76,400
	Power input	kW	4.43
	Current input	A	7.4-7.1-6.8
	EER	kW/kW	5.05
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)
	Outdoor	D.B.	-5.0~52.0°C (23~126°F)
Heating capacity (Max) *2		kW	25.0
		kcal/h	21,500
		BTU/h	85,300
	Power input	kW	4.71
	Current input	A	7.9-7.5-7.2
	COP	kW/kW	5.30
(Nominal) *3		kW	22.4
		kcal/h	20,000
		BTU/h	76,400
	Power input	kW	4.14
	Current input	A	6.9-6.6-6.3
	COP	kW/kW	5.41
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)
	Outdoor	W.B.	-20.0~15.5°C (-4~60°F)
Indoor unit connectable	Total capacity		50~150%
	Model/Quantity		P15~P250/1~20
Sound pressure level (measured in anechoic room) *4		dB <A>	59.0/59.0
Sound power level (measured in anechoic room) *4		dB <A>	76.0/78.0
Refrigerant piping diameter	High pressure	mm (in.)	15.88 (5/8) Brazed
	Low pressure	mm (in.)	19.05 (3/4) Brazed
FAN	Type x Quantity		Propeller fan x 1
	Air flow rate	m^3/min	170
		L/s	2,833
		cfm	6,003
	Control, Driving mechanism		Inverter-control, Direct-driven by motor
	Motor output	kW	0.92 x 1
*5	External static press.		0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter
	Motor output	kW	5.6
	Case heater	kW	-
	Lubricant		MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D		mm	1,858 (1,798 without legs) x 920 x 740
		in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection
	Compressor		-
	Fan motor		-
Refrigerant	Type x original charge		R410A x 5.2 kg (12 lbs)
	Control		Indoor LEV and BC controller
Net weight		kg (lbs)	229 (505)
Heat exchanger			Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)
Drawing	External		WKS94T748
	Wiring		WKE94G339
Standard attachment	Document		Installation Manual
	Accessory		-
Optional parts			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 BC controller: CMB-P104,106,108,1012,1016V-J Main BC controller: CMB-P108,1012,1016V-JA,CMB-P1016V-KA Sub BC controller: CMB-P104, 108V-KB
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.

Notes:

1. Nominal cooling conditions (subject to JIS B8615-2)
   Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Outdoor: 35°CD.B./24°CW.B. (95°FD.B./75°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
2. Nominal heating conditions (subject to JIS B8615-2)
   Indoor: 20°CD.B. (68°FD.B.), Outdoor: 7°CD.B./6°CW.B. (45°FD.B./43°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
3. Nominal heating conditions (subject to JIS B8615-2)
   Indoor: 20°CD.B. (68°FD.B.), Outdoor: 7°CD.B./6°CW.B. (45°FD.B./43°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
   Eurovent registered
4. Cooling mode/Heating mode
5. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH_2O, 6.1 mmH_2O, 8.2 mmH_2O).
   Consult your dealer about the specification when setting External static pressure option.

Unit converter

BTU/h	=kW x 3,412
cfm	=m^3/min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

PURY-P-Y(S)NW-A

Model				PURY-P250YNW-A (-BS)
Power source				3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)		*1	kW	28.0
			kcal/h	25,000
			BTU/h	95,500
	Power input		kW	5.97
	Current input		A	10.0-9.5-9.2
	EER		kW/kW	4.69
Temp. range of cooling	Indoor		W.B.	15.0~24.0°C (59~75°F)
	Outdoor		D.B.	-5.0~52.0°C (23~126°F)
Heating capacity (Max)		*2	kW	31.5
			kcal/h	27,100
			BTU/h	107,500
	Power input		kW	6.06
	Current input		A	10.2-9.7-9.3
	COP		kW/kW	5.19
(Nominal)		*3	kW	28.0
			kcal/h	25,000
			BTU/h	95,500
	Power input		kW	5.27
	Current input		A	8.8-8.4-8.1
	COP		kW/kW	5.31
Temp. range of heating	Indoor		D.B.	15.0~27.0°C (59~81°F)
	Outdoor		W.B.	-20.0~15.5°C (-4~60°F)
Indoor unit connectable	Total capacity			50~150%
	Model/Quantity			P15~P250/1~25
Sound pressure level (measured in anechoic room) *4			dB <A>	60.5/61.0
Sound power level (measured in anechoic room) *4			dB <A>	78.5/80.0
Refrigerant piping diameter	High pressure		mm (in.)	19.05 (3/4) Brazed
	Low pressure		mm (in.)	22.2 (7/8) Brazed
FAN	Type x Quantity			Propeller fan x 1
	Air flow rate		m^3/min	185
			L/s	3,083
			cfm	6,532
	Control, Driving mechanism			Inverter-control, Direct-driven by motor
	Motor output		kW	0.92 x 1
*5	External static press.			0 Pa (0 mmH_2O)
Compressor	Type			Inverter scroll hermetic compressor
	Manufacture			AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method			Inverter
	Motor output		kW	7.0
	Case heater		kW	-
	Lubricant			MEL32
External finish				Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D			mm	1,858 (1,798 without legs) x 920 x 740
			in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16
Protection devices	High pressure protection			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP./FAN)			Over-heat protection, Over-current protection
	Compressor			-
	Fan motor			-
Refrigerant	Type x original charge			R410A x 5.2 kg (12 lbs)
	Control			Indoor LEV and BC controller
Net weight			kg (lbs)	229 (505)
Heat exchanger				Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)				-
Defrosting method				Auto-defrost mode (Reversed refrigerant cycle)
Drawing	External			WKS94T748
	Wiring			WKE94G339
Standard attachment	Document			Installation Manual
	Accessory			-
Optional parts				Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 BC controller: CMB-P104,106,108,1012,1016V-J Main BC controller: CMB-P108,1012,1016V-JA,CMB-P1016V-KA Sub BC controller: CMB-P104, 108V-KB
Remarks				Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.

Notes:

1. Nominal cooling conditions (subject to JIS B8615-2)
   Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Outdoor: 35°CD.B./24°CW.B. (95°FD.B./75°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
2. Nominal heating conditions (subject to JIS B8615-2)
   Indoor: 20°CD.B. (68°FD.B.), Outdoor: 7°CD.B./6°CW.B. (45°FD.B./43°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
3. Nominal heating conditions (subject to JIS B8615-2)
   Indoor: 20°CD.B. (68°FD.B.), Outdoor: 7°CD.B./6°CW.B. (45°FD.B./43°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
   Eurovent registered
4. Cooling mode/Heating mode
5. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH_2O, 6.1 mmH_2O, 8.2 mmH_2O).
   Consult your dealer about the specification when setting External static pressure option.

Unit converter

BTU/h	=kW x 3,412
cfm	=m^3/min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

Model				PURY-P350YNW-A (-BS)
Power source				3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)		*1	kW	40.0
			kcal/h	35,000
			BTU/h	136,500
	Power input		kW	10.04
	Current input		A	16.9-16.1-15.5
	EER		kW/kW	3.98
Temp. range of cooling	Indoor		W.B.	15.0~24.0°C (59~75°F)
	Outdoor		D.B.	-5.0~52.0°C (23~126°F)
Heating capacity (Max)		*2	kW	45.0
			kcal/h	38,700
			BTU/h	153,500
	Power input		kW	10.68
	Current input		A	18.0-17.1-16.5
	COP		kW/kW	4.21
(Nominal)		*3	kW	40.0
			kcal/h	35,000
			BTU/h	136,500
	Power input		kW	8.84
	Current input		A	14.9-14.1-13.6
	COP		kW/kW	4.52
Temp. range of heating	Indoor		D.B.	15.0~27.0°C (59~81°F)
	Outdoor		W.B.	-20.0~15.5°C (-4~60°F)
Indoor unit connectable	Total capacity			50~150%
	Model/Quantity			P15~P250/1~35
Sound pressure level (measured in anechoic room) *4			dB <A>	62.5/64.0
Sound power level (measured in anechoic room) *4			dB <A>	81.0/83.0
Refrigerant piping diameter	High pressure		mm (in.)	19.05 (3/4) Brazed
	Low pressure		mm (in.)	28.58 (1-1/8) Brazed
FAN	Type x Quantity			Propeller fan x 2
	Air flow rate		m^3/min	250
			L/s	4,167
			cfm	8,828
	Control, Driving mechanism			Inverter-control, Direct-driven by motor
	Motor output		kW	0.46 x 2
*5	External static press.			0 Pa (0 mmH_2O)
Compressor	Type			Inverter scroll hermetic compressor
	Manufacture			AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method			Inverter
	Motor output		kW	10.2
	Case heater		kW	-
	Lubricant			MEL32
External finish				Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D			mm	1,858 (1,798 without legs) x 1,240 x 740
			in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP./FAN)			Over-heat protection, Over-current protection
	Compressor			-
	Fan motor			-
Refrigerant	Type x original charge			R410A x 8.0 kg (18 lbs)
	Control			Indoor LEV and BC controller
Net weight			kg (lbs)	273 (602)
Heat exchanger				Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)				-
Defrosting method				Auto-defrost mode (Reversed refrigerant cycle)
Drawing	External			WKS94T749
	Wiring			WKE94G341
Standard attachment	Document			Installation Manual
	Accessory			-
Optional parts				Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 BC controller: CMB-P104,106,108,1012,1016V-J Main BC controller: CMB-P108,1012,1016V-JA,CMB-P1016V-KA Sub BC controller: CMB-P104, 108V-KB
Remarks				Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.

Notes:

1. Nominal cooling conditions (subject to JIS B8615-2)
   Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Outdoor: 35°CD.B./24°CW.B. (95°FD.B./75°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
2. Nominal heating conditions (subject to JIS B8615-2)
   Indoor: 20°CD.B. (68°FD.B.), Outdoor: 7°CD.B./6°CW.B. (45°FD.B./43°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
3. Nominal heating conditions (subject to JIS B8615-2)
   Indoor: 20°CD.B. (68°FD.B.), Outdoor: 7°CD.B./6°CW.B. (45°FD.B./43°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
   Eurovent registered
4. Cooling mode/Heating mode
5. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH_2O, 6.1 mmH_2O, 8.2 mmH_2O).
   Consult your dealer about the specification when setting External static pressure option.

Unit converter

BTU/h	=kW x 3,412
cfm	=m^3/min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

PURY-P200, 250, 300YNW-A(-BS)

Unit: mm

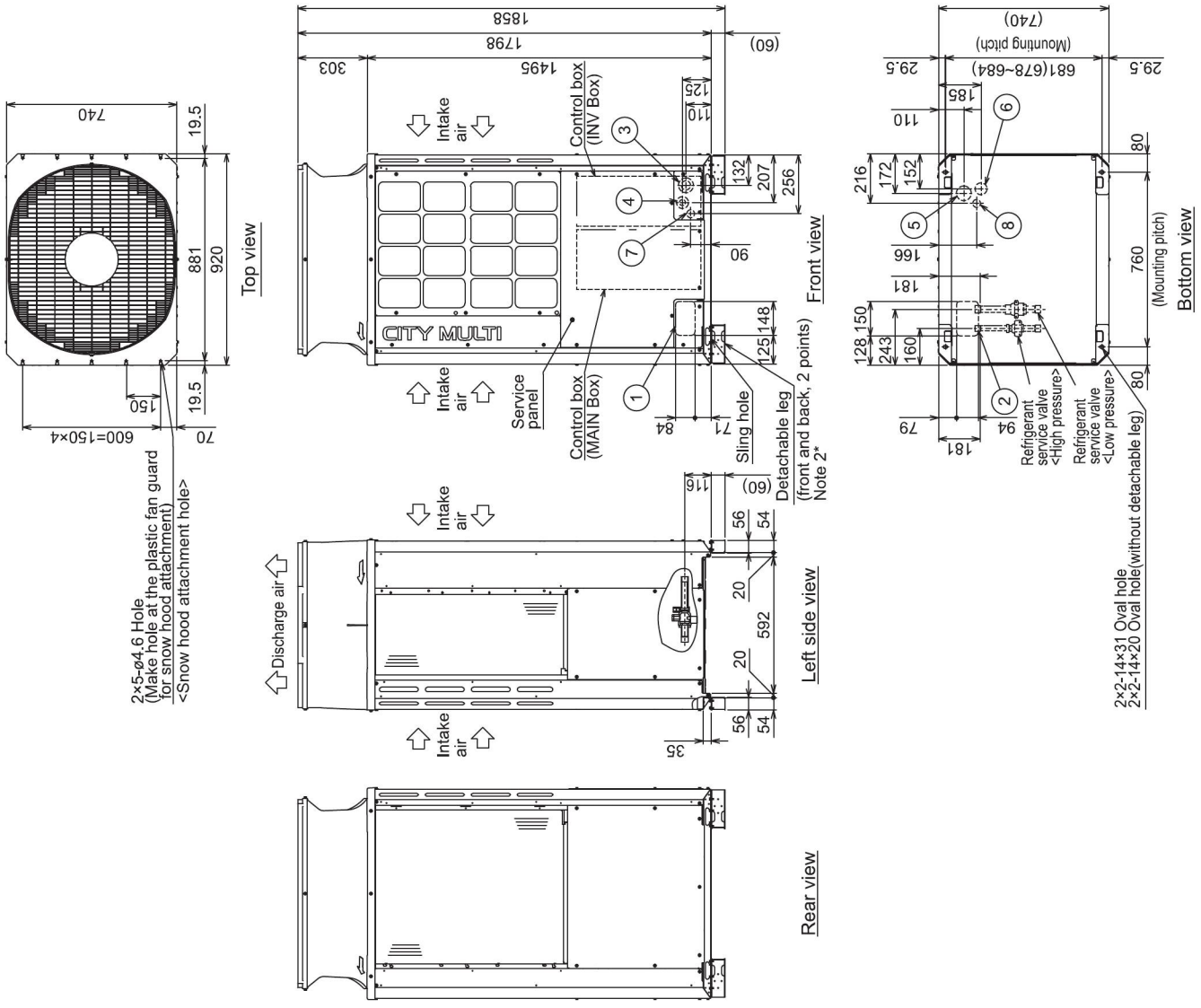
Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
2. The detachable leg can be removed at site.
3. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
P200	ø15.88 Brazed *1	ø19.05 Brazed *1	ø22.2	ø28.58
P250	ø19.05 Brazed *1	ø22.2 Brazed *1		
P300				

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

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

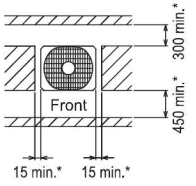


1. Required space around the unit

●In case of single installation

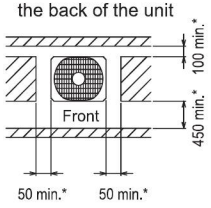
① Secure enough space around the unit as shown in the figure below.

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



<Top view>

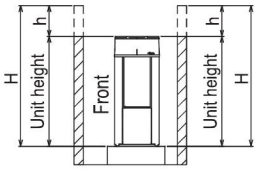
· With a space of at least 100mm to the wall on the back of the unit



<Top view>

<Unit:mm>

② When the height of the walls on the front, back or on the sides<H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



<Side view>

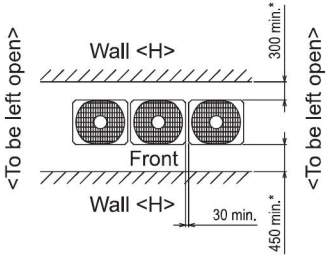
<Wall height limit> Front :Up to the unit height
Back :Up to the unit height
Side :Up to the unit height

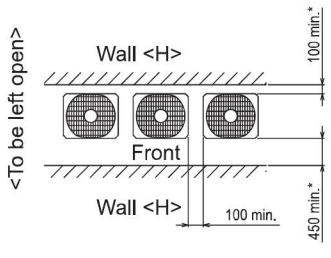
2. Foundation work

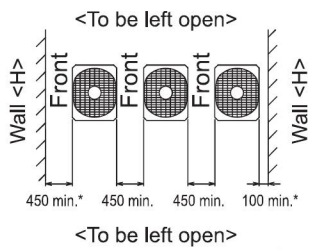
① Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.
<Note that the drain water comes out of the unit during operation.>
② Build the foundation in such way that the corner of the installation leg is securely supported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

●In case of collective installation

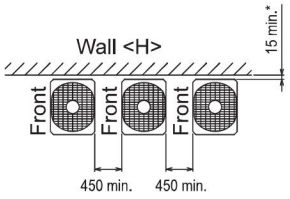
① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
② At least two sides must be left open.
③ As with the single installation, add the height that exceeds the height limit<h> to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

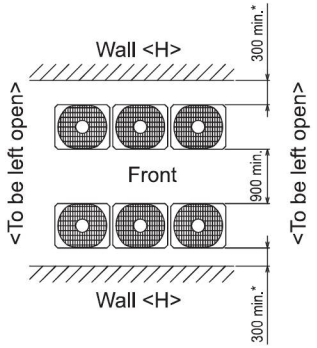


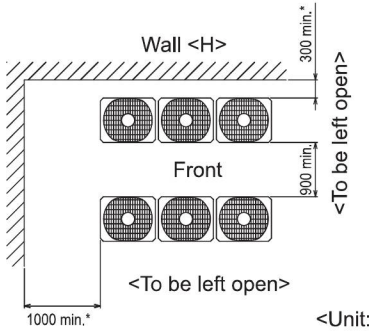




<To be left open>







<Unit:mm>

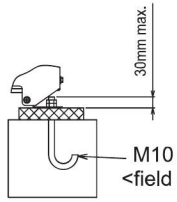


Fig.A (without detachable legs)

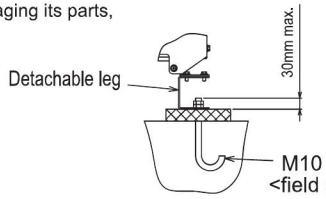


Fig.B (with detachable legs)



Fig.C (without detachable legs)

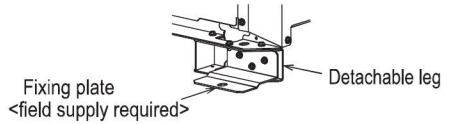


Fig.D (with detachable legs)

Unit: mm

PURY-P350, 400, 450YNW-A(-BS)

Unit: mm

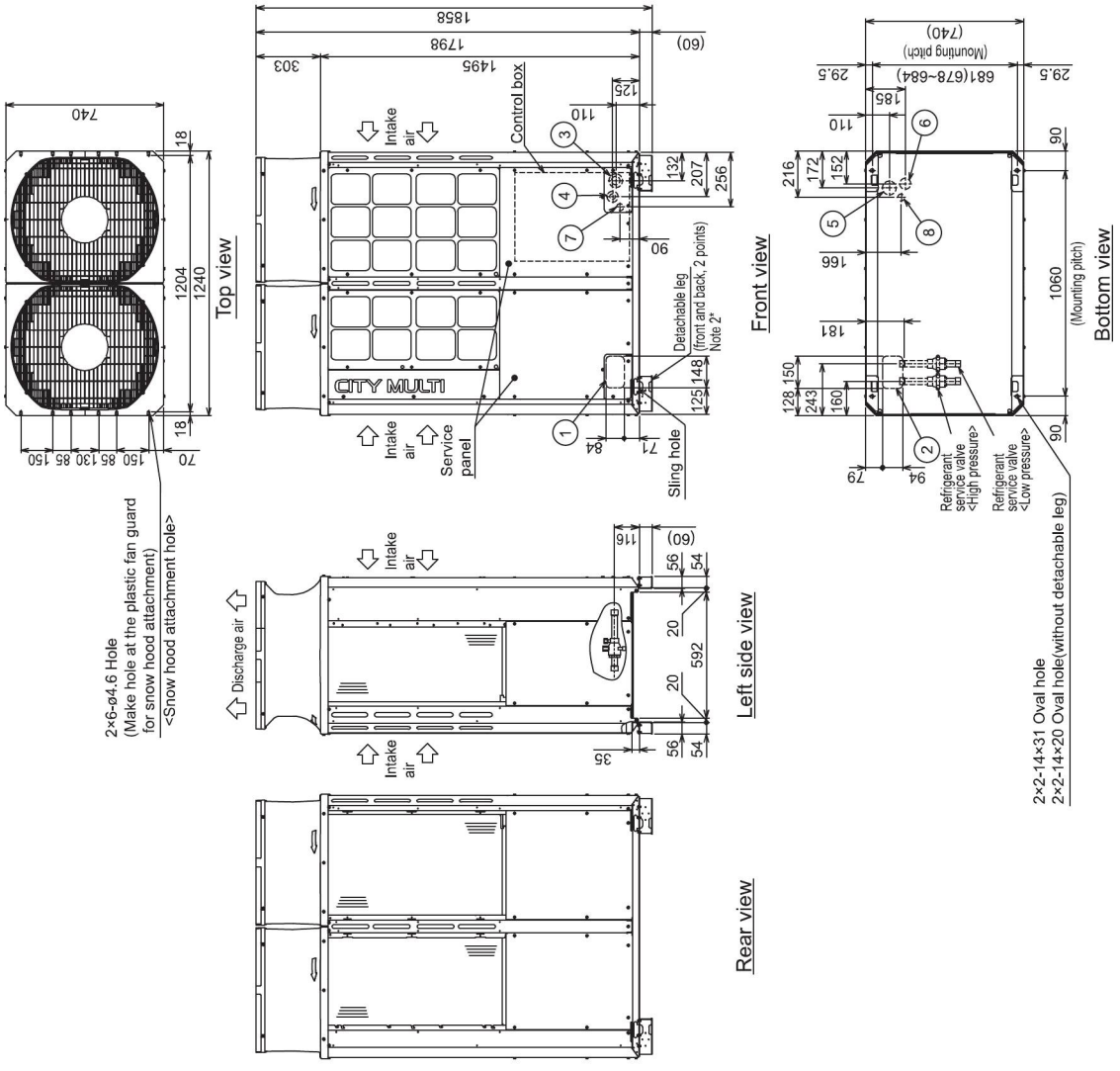
Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
2. The detachable leg can be removed at site.
3. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
P350	ø19.05 Brazed *1	ø28.58 Brazed	ø28.58	ø28.58
P400	ø22.2 Brazed *1			
P450				

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

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



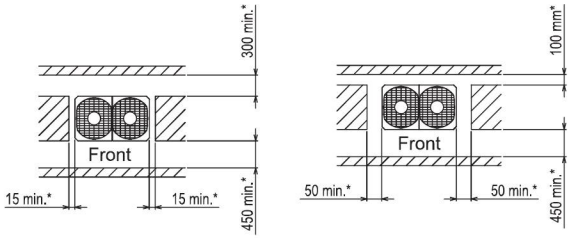
1. Required space around the unit

●In case of single installation

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

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

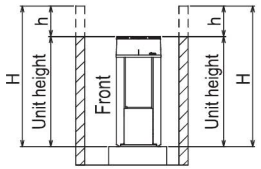
· With a space of at least 100mm to the wall on the back of the unit



<Top view> <Top view>

<Unit:mm>

② When the height of the walls on the front, back or on the sides<H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



<Side view>

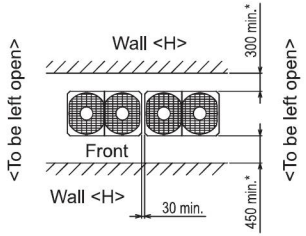
<Wall height limit> Front : Up to the unit height
Back : Up to the unit height
Side : Up to the unit height

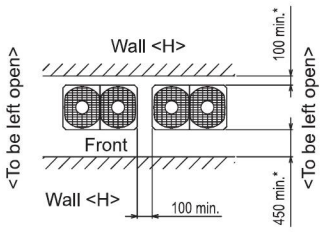
2. Foundation work

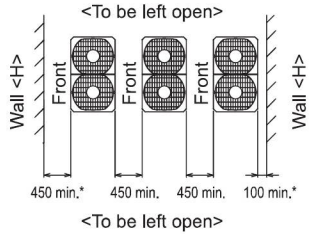
① Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site. <Note that the drain water comes out of the unit during operation.>
② Build the foundation in such way that the corner of the installation leg is securely supported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

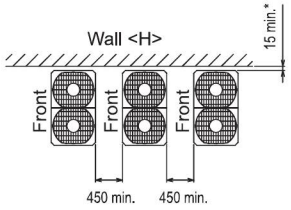
●In case of collective installation

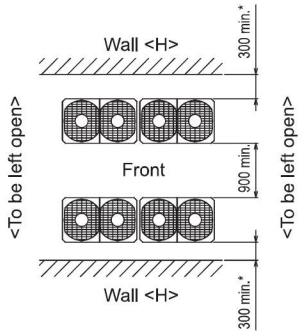
① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
② At least two sides must be left open.
③ As with the single installation, add the height that exceeds the height limit<h> to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

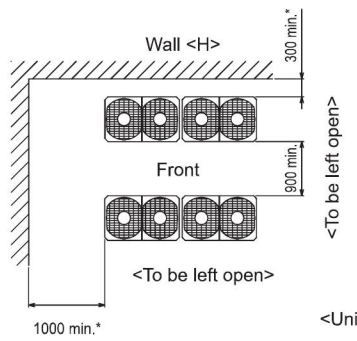












<Unit:mm>

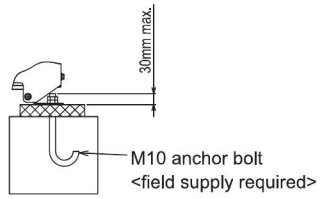


Fig.A (without detachable legs)

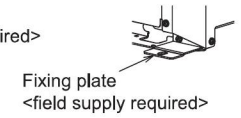


Fig.C (without detachable legs)

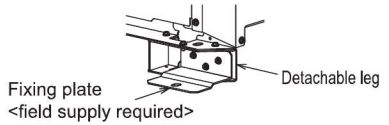


Fig.D (with detachable legs)

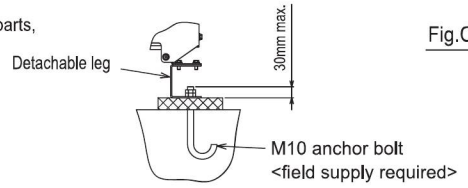


Fig.B (with detachable legs)

Unit: mm

Model				PUHY-P250YNW-A (-BS)
Power source				3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)		*1	kW	28.0
			kcal/h	25,000
			BTU/h	95,500
	Power input		kW	5.78
	Current input		A	9.7-9.2-8.9
	EER		kW/kW	4.84
Temp. range of cooling	Indoor		W.B.	15.0~24.0°C (59~75°F)
	Outdoor		D.B.	-5.0~52.0°C (23~126°F)
Heating capacity (Max)		*2	kW	31.5
			kcal/h	27,100
			BTU/h	107,500
	Power input		kW	6.04
	Current input		A	10.1-9.6-9.3
	COP		kW/kW	5.21
(Nominal)		*3	kW	28.0
			kcal/h	25,000
			BTU/h	95,500
	Power input		kW	5.20
	Current input		A	8.7-8.3-8.0
	COP		kW/kW	5.38
Temp. range of heating	Indoor		D.B.	15.0~27.0°C (59~81°F)
	Outdoor		W.B.	-20.0~15.5°C (-4~60°F)
Indoor unit connectable	Total capacity			50~130% of outdoor unit capacity
	Model/Quantity			P15~P250/1~21
Sound pressure level (measured in anechoic room) *4			dB <A>	60.0/61.0
Sound power level (measured in anechoic room) *4			dB <A>	78.0/80.0
Refrigerant piping diameter	Liquid pipe		mm (in.)	9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 90 m)
	Gas pipe		mm (in.)	22.2 (7/8) Brazed
FAN	Type x Quantity			Propeller fan x 1
	Air flow rate		m^3/min	185
			L/s	3,083
			cfm	6,532
	Control, Driving mechanism			Inverter-control, Direct-driven by motor
	Motor output		kW	0.92 x 1
*5	External static press.			0 Pa (0 mmH_2O)
Compressor	Type			Inverter scroll hermetic compressor
	Manufacture			AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method			Inverter
	Motor output		kW	7.0
	Case heater		kW	-
	Lubricant			MEL32
External finish				Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>
External dimension H x W x D			mm	1,858 (1,798 without legs) x 920 x 740
			in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16
Protection devices	High pressure protection			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP./FAN)			Over-heat protection, Over-current protection
	Compressor			-
	Fan motor			-
Refrigerant	Type x original charge			R410A x 6.5 kg (15 lbs)
	Control			LEV and HIC circuit
Net weight			kg (lbs)	225 (497)
Heat exchanger				Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)				Copper pipe, tube-in-tube structure
Defrosting method				Auto-defrost mode (Reversed refrigerant cycle, Hot gas)
Drawing	External			KS94T766
	Wiring			KE94G339
Standard attachment	Document			Installation Manual
	Accessory			-
Optional parts				Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G
Remarks				Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.

Notes:

1. Nominal cooling conditions (subject to JIS B8615-2)
   Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Outdoor: 35°CD.B./24°CW.B. (95°FD.B./75°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
2. Nominal heating conditions (subject to JIS B8615-2)
   Indoor: 20°CD.B. (68°FD.B.), Outdoor: 7°CD.B./6°CW.B. (45°FD.B./43°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
3. Nominal heating conditions (subject to JIS B8615-2)
   Indoor: 20°CD.B. (68°FD.B.), Outdoor: 7°CD.B./6°CW.B. (45°FD.B./43°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
   Eurovent registered
4. Cooling mode/Heating mode
5. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH_2O, 6.1 mmH_2O, 8.2 mmH_2O).
   Consult your dealer about the specification when setting External static pressure option.

Unit converter

BTU/h	=kW x 3,412
cfm	=m^3/min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

PUHY-P200, 250, 300YNW-A(-BS)

Unit: mm

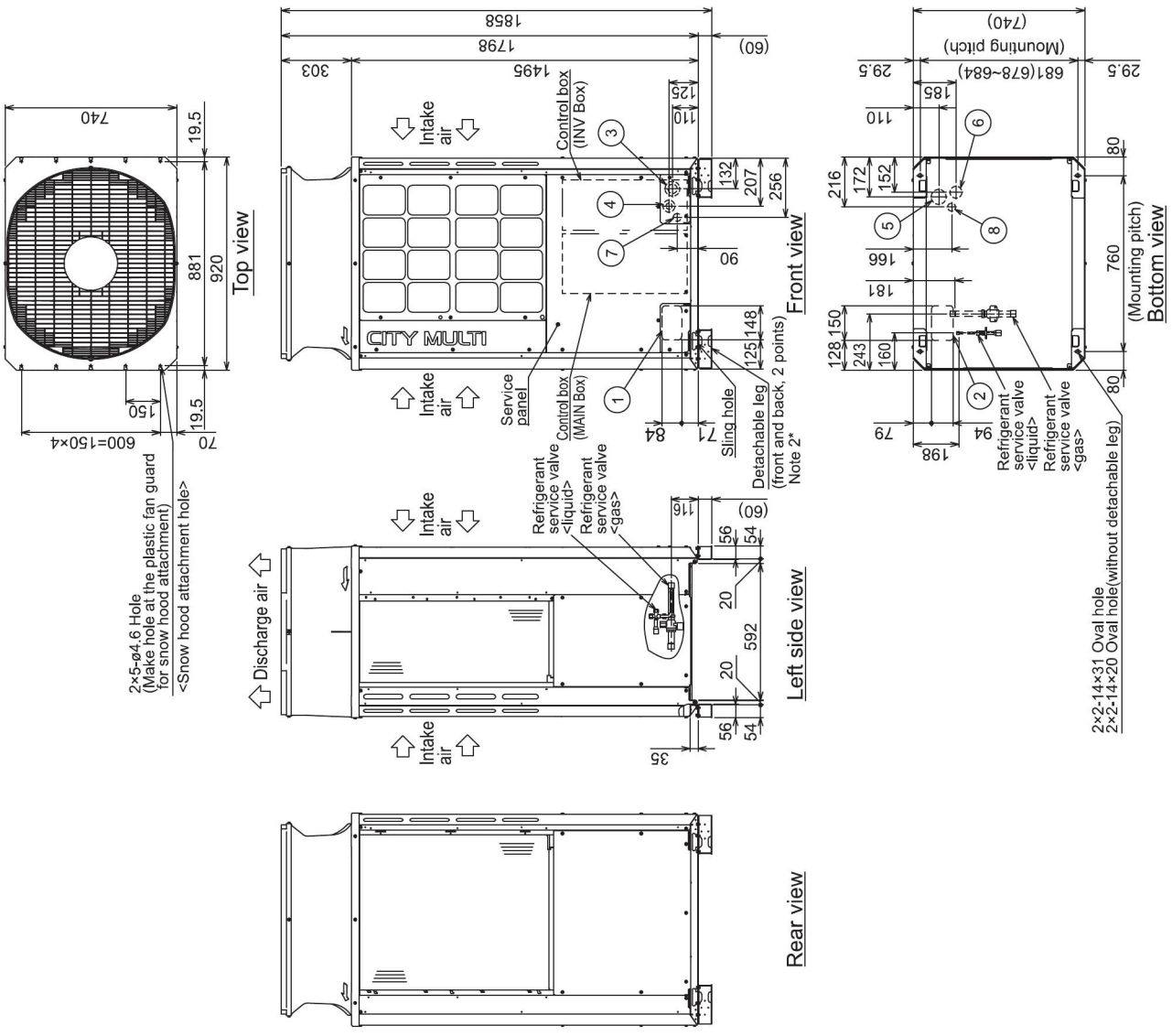
Note 1.Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
2.The detachable leg can be removed at site.
3.At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe		Service valve	
	Liquid	Gas	Liquid	Gas
P200	ø9.52 Brazed	ø22.2 Brazed	ø9.52	ø22.2
P250	ø9.52 Brazed (ø12.7 Brazed) *1, *3			
P300	ø9.52 Brazed (ø12.7 Brazed) *1, *2, *4			

*1 Connect the refrigerant pipe to the service valve according to the Installation Manual.
*2 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.
*3 Furthest piping length (OU from IU)≥90m
*4 Furthest piping length (OU from IU)≥40m

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

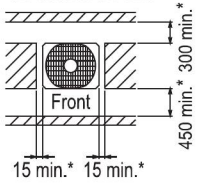


1.Required space around the unit

●In case of single installation

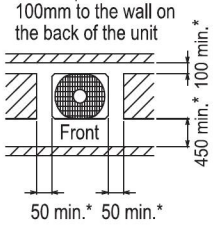
①Secure enough space around the unit as shown in the figure below.

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



<Top view>

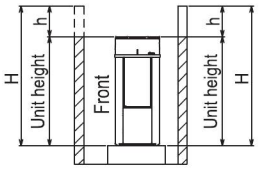
· With a space of at least 100mm to the wall on the back of the unit



<Top view>

<Unit:mm>

②When the height of the walls on the front, back or on the sides<H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



<Side view>

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

2.Foundation work

①Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.
<Note that the drain water comes out of the unit during operation.>

②Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure.(Fig.A,B)
When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.

③The protrusion length of the anchor bolt must not exceed 30mm.(Fig.A,B)

④Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts.(Fig.C,D)

⑤To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.

⑥When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.

⑦Refer to the Installation Manual when installing units on an installation base.

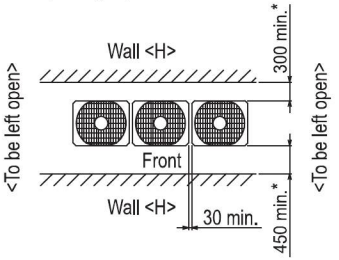
●In case of collective installation

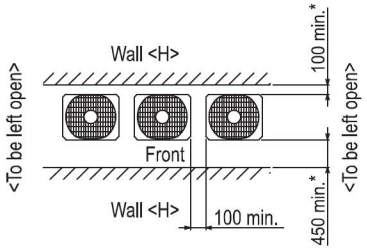
①When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.

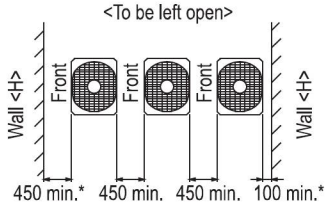
②At least two sides must be left open.

③As with the single installation, add the height that exceeds the height limit<h> to the figures that are marked with an asterisk.

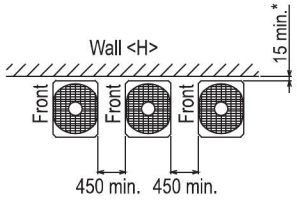
④If there is a wall at both the front and the rear of the unit, install up to six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each six units.

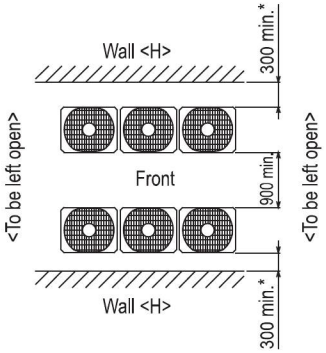


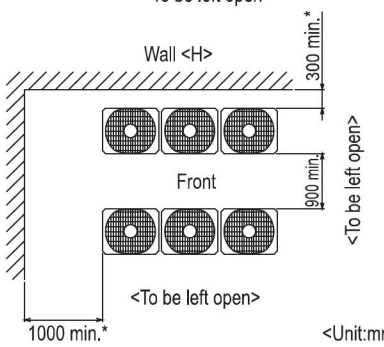




<To be left open>







<Unit:mm>

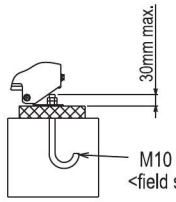


Fig.A (without detachable legs)

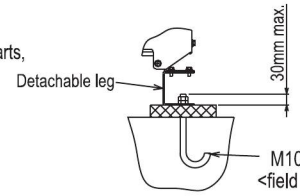


Fig.B (with detachable legs)



Fig.C (without detachable legs)

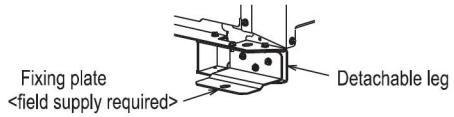
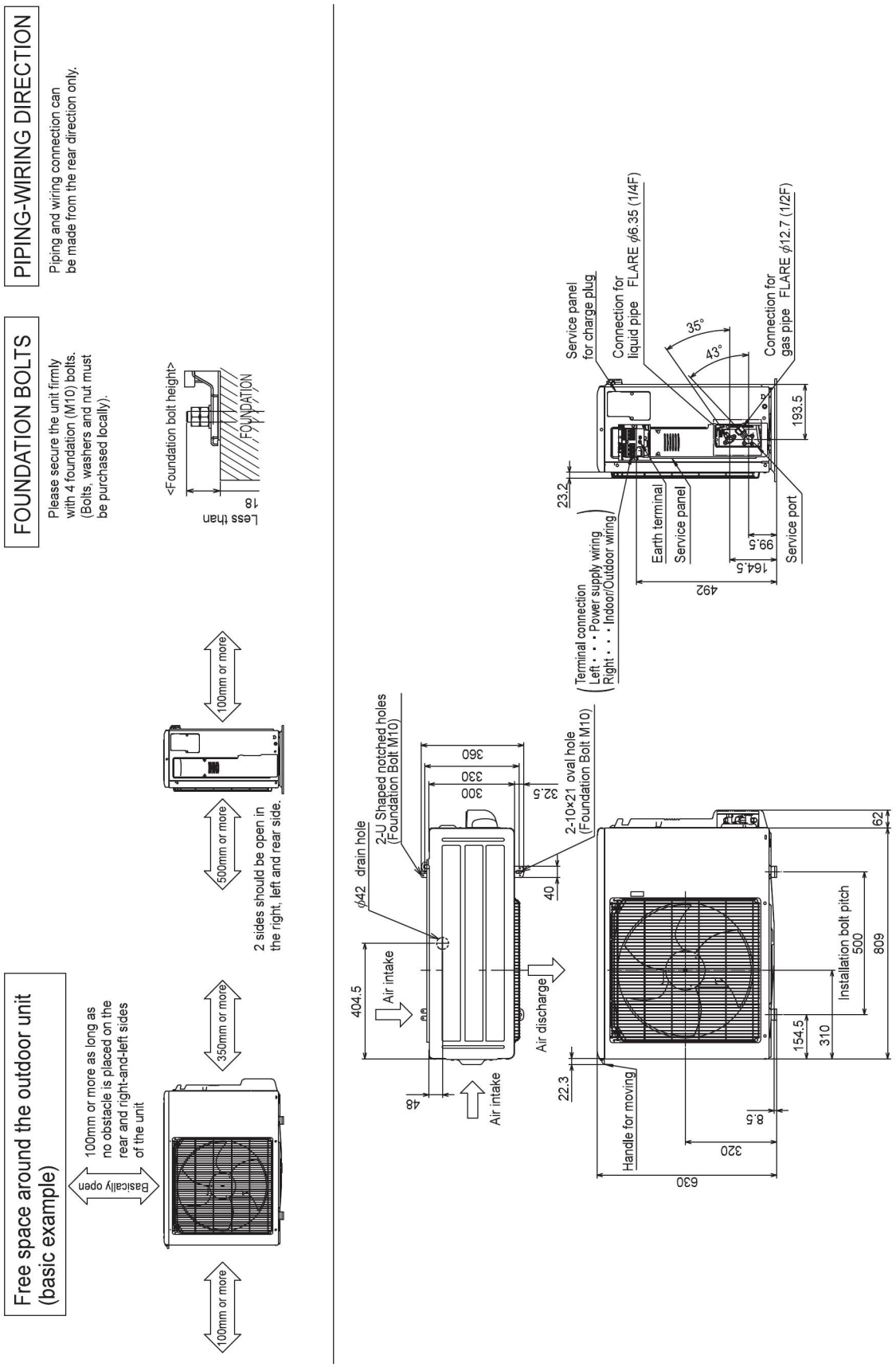


Fig.D (with detachable legs)

Unit: mm

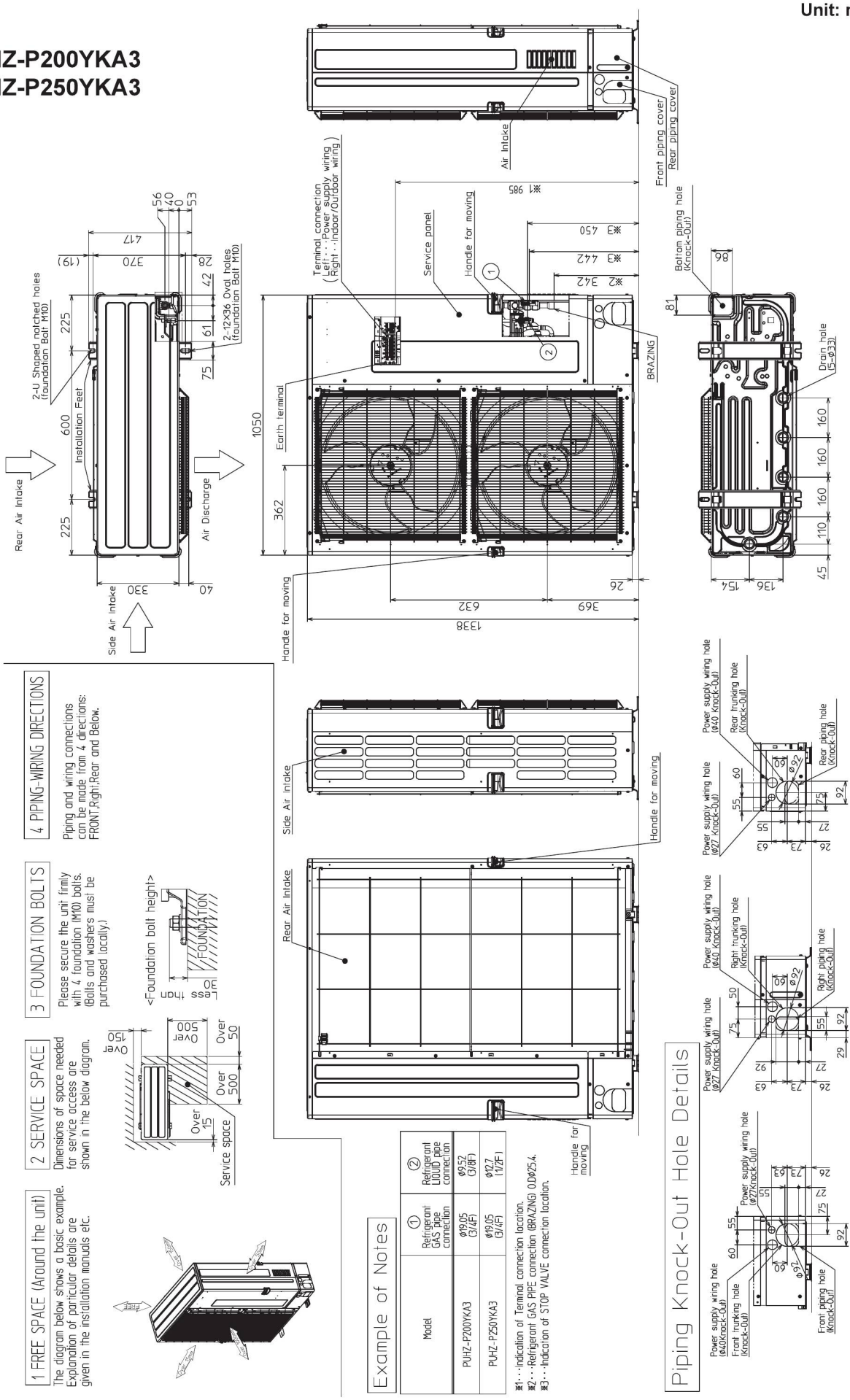
2. PUHZ-ZRP•KA2(3),HA2
PUHZ-ZRP35VKA2
PUHZ-ZRP50VKA2

Unit : mm



Unit: mm

PUHZ-P200YKA3
PUHZ-P250YKA3



1 FREE SPACE (Around the unit)

The diagram below shows a basic example. Explanation of particular details are given in the installation manuals etc.

2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.

3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts and washers must be purchased locally.)

4 PIPING-WIRING DIRECTIONS

Piping and wiring connections can be made from 4 directions: FRONT,Right,Rear and Below.

Example of Notes

Model	① Refrigerant GAS pipe connection	② Refrigerant LIQUID pipe connection
PUHZ-P200YKA3	ø19.05 (3/4F)	ø9.52 (3/8F)
PUHZ-P250YKA3	ø19.05 (3/4F)	ø12.7 (1/2F)

※1···Indication of Terminal connection location.
※2···Refrigerant GAS PIPE connection (BRAZING) O.D.ø25.4.
※3···Indication of STOP VALVE connection location.

Piping Knock-Out Hole Details