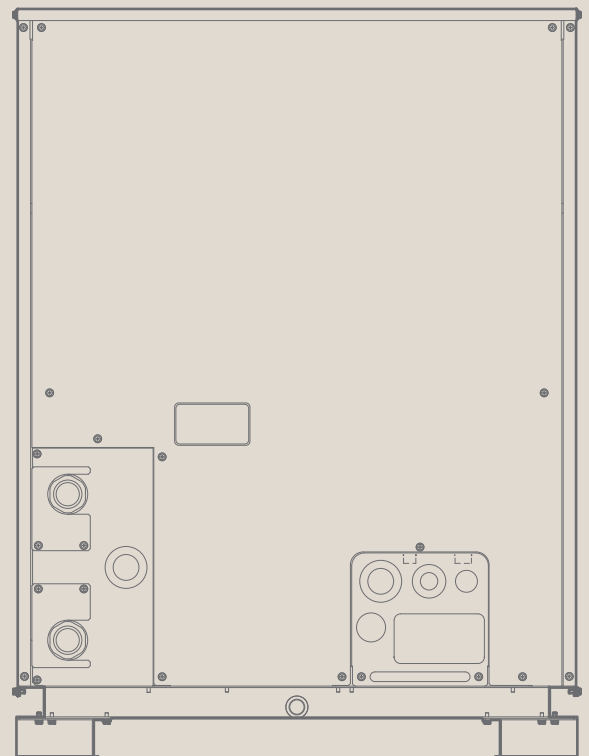


City Multi HVRF

Katalógový list

PQRY-P200YLM-A
PQRY-P250YLM-A
PQRY-P300YLM-A
PQRY-P350YLM-A
PQRY-P400YLM-A
PQRY-P450YLM-A
PQRY-P500YLM-A





PQRY-P200-300YLM-A

PQRY-P350-500YLM-A

City Multi HVRF

Systémy s vodním chlazením / HVRF chlazení a topení

Jednotky HVRF P200 až P300, chlazení a vytápění

Označení jednotek		PQRY-P200YLM-A	PQRY-P250YLM-A	PQRY-P300YLM-A
Chlazení	chladič výkon (kW)	22,4	28,0	33,5
	příkon (kW)	3,97	5,44	7,55
	EER	5,64	5,14	4,43
Vytápění	topný výkon (kW)	25,0	31,5	37,5
	příkon (kW)	4,04	5,41	7,13
	COP	6,18	5,82	5,25

Označení jednotek		PQRY-P200YLM-A	PQRY-P250YLM-A	PQRY-P300YLM-A
Objemový průtok chladicí vody (m ³ /h)		5,76	5,76	5,76
Tlaková ztráta (chladicí vody) (kPa)		24	24	24
Hladina akustického tlaku dB(A) *		46	48	54
Rozměry (mm)	Š/H/V	880/550/1.100	880/550/1.100	880/550/1.100
Hmotnost (kg)		172	172	172
Údaje o chladivu				
Typ chladiva / množství (kg) / max. množství (kg)		R410A/5,0/32,0	R410A/5,0/37,0	R410A/5,0/38,0
GWP / ekvivalent CO ₂ (t) / ekvivalent CO ₂ max. (t)		2088/10,44/66,82	2088/10,44/77,26	2088/10,44/79,34
Průměr připojení chladiva Ø (mm)	kap. plyn	16 18	18 22	18 22
Elektrické parametry				
Zdroj napětí (V, fáze, Hz)		380-415, 3+N, 50	380-415, 3+N, 50	380-415, 3+N, 50
Provozní el. proud (A)		6,3	8,7	12,1
Max. výkon vnitřních jednotek (%)		50-150	50-150	50-150
Doporučená velikost jištění (A)		25	25	25
Připojitelné vnitřní jednotky (počet/typ)		2-30/WP10-125	3-37/WP10-125	3-45/WP10-125

* Hladina akustického tlaku měřená ve vzdálenosti 1 m od jednotky ve výšce 1 m.

Jednotky HVRF P350 až P500, chlazení a vytápění

Označení jednotek		PQRY-P350YLM-A	PQRY-P400YLM-A	PQRY-P450YLM-A	PQRY-P500YLM-A
Chlazení	chladič výkon (kW)	40	45,0	50,0	56,0
	příkon (kW)	9,98	10,05	12,05	14,58
	EER	4,00	4,47	4,14	3,84
Vytápění	topný výkon (kW)	45	50,0	56,0	63,0
	příkon (kW)	8,87	9,45	11,11	13,07
	COP	5,07	5,29	5,04	4,82

Označení jednotek		PQRY-P350YLM-A	PQRY-P400YLM-A	PQRY-P450YLM-A	PQRY-P500YLM-A
Objemový průtok chladicí vody (m ³ /h)		7,20	7,20	7,20	7,20
Tlaková ztráta (chladicí vody) (kPa)		44	44	44	44
Hladina akustického tlaku dB(A) *		52	52	54	54
Rozměry (mm)	Š/H/V	880/550/1.450	880/550/1.450	880/550/1.450	880/550/1.450
Hmotnost (kg)		216	216	216	216
Údaje o chladivu					
Typ chladiva / množství (kg) / max. množství (kg)		R410A/6,0/58,0	R410A/6,0/58,0	R410A/6,0/59,0	R410A/6,0/61,0
GWP / ekvivalent CO ₂ (t) / ekvivalent CO ₂ max. (t)		2088/12,53/121,10	2088/12,53/121,10	2088/12,53/123,19	2088/12,53/127,37
Průměr připojení chladiva Ø (mm)	kap. plyn	18 22	22 28	22 28	22 28
Elektrické parametry					
Zdroj napětí (V, fáze, Hz)		380-415, 3+N, 50	380-415, 3+N, 50	380-415, 3+N, 50	380-415, 3+N, 50
Provozní el. proud (A)		16,0	16,1	19,3	23,3
Max. výkon vnitřních jednotek (%)		50-150	50-150	50-150	50-150
Doporučená velikost jištění (A)		25	32	40	40
Připojitelné vnitřní jednotky (počet/typ)		4-50/WP10-125	4-50/WP10-125	5-50/WP10-125	5-50/WP10-125

* Hladina akustického tlaku měřená ve vzdálenosti 1 m od jednotky ve výšce 1 m.

► Jednotky nejsou uzpůsobeny k instalaci ve venkovním prostředí.

Naše klimatizační zařízení a tepelná čerpadla obsahují fluorované sklenkové plyny R410A, R134a, R32. Další informace získáte v příslušném provozním návodu.

PQRV-P200, 250, 300YLM-A1

Unit: mm

Note1. Close a hole of the water piping, the refrigerant piping, the power supply, and the control wiring and unused knockout holes with the putty etc. so as not to infiltrate rain water etc. (field erection work)

Note2. At the time of product shipment, the front side piping specification serves as the local drainage connection. When connecting on the rear side, please remove the rear side plug sealing corks, and attach a front side. Ensure there is no leak after the attachment has been fitted.

Note3. Take notice of service space as Fig.A. (In case of single installation, 600mm or more of back space as front space makes easier access when servicing the unit from rear side.)

Note4. If water pipes or refrigerant pipes stretch upward, required space for service and maintenance due to replacement of control box is shown in Fig.B.

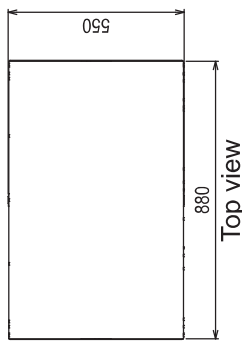
Note5. Environmental condition for installation; -20~40°C(DB) as indoor installation.

Note6. In case the temperature around the heat source unit has possibility to drop under 0°C, be careful for the following point to prevent the pipe burst by the water pipe freeze-up.

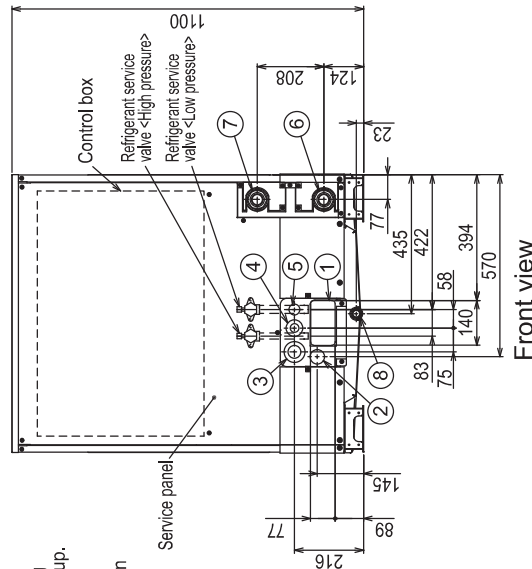
Note7. Ensure that the drain piping is downward with a pitch of more than 1/100.

Note8. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.

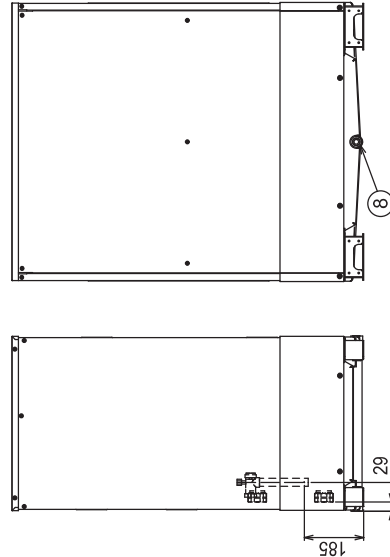
- <Accessories>
- Refrigerant (high pressure) conn. pipe 1pc. (P200/P250/P300 ; Packaged in the accessory kit)
 - Refrigerant (low pressure) conn. elbow 1pc. (P200/P250/P300 ; Packaged in the accessory kit)
 - Water stopper 1pc. (P200/P250/P300 ; Packaged in the accessory kit)
 - Sealing material for water stopper 1pc. (P200/P250/P300 ; Packaged in the accessory kit)
 - Sealing material for field piping (high pressure, low pressure) 1pc. each (P200/P250/P300 ; Packaged in the accessory kit)
 - Sealing material for drain socket 1pc. (P200/P250/P300 ; Packaged in the accessory kit)
 - Pipe cover for low pressure 1pc. (P200/P250/P300 ; Packaged in the accessory kit)



Top view



Front view



Right side view

Back view

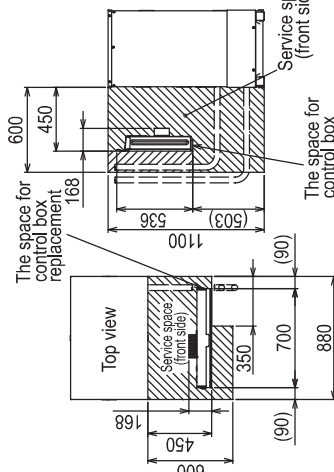


Fig.A

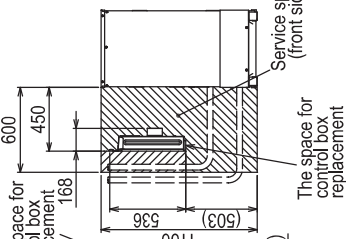
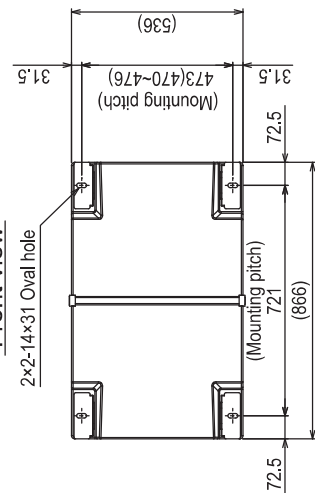


Fig.B



Bottom view

NO.	For pipes	Usage	Specifications
①	Front through hole	Front through hole	140 x 77 Knockout hole
②	Front through hole	Front through hole (Uses when twinning kit (optional parts) is mounted.)	ø45 Knockout hole
③	For wires	Front through hole	ø65 or ø40 Knockout hole
④	For transmission cables	Front through hole	ø52 or ø27 Knockout hole
⑤	Water pipe	Front through hole	ø34 Knockout hole
⑥	Drain pipe	inlet	Rc1-1/2 Screw
⑦		outlet	Rc1-1/2 Screw
⑧			Rc3/4 Screw

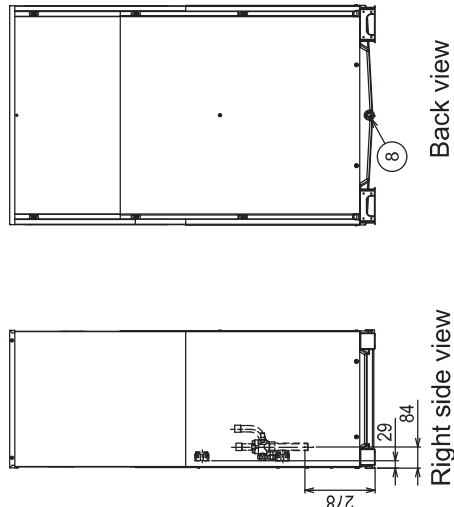
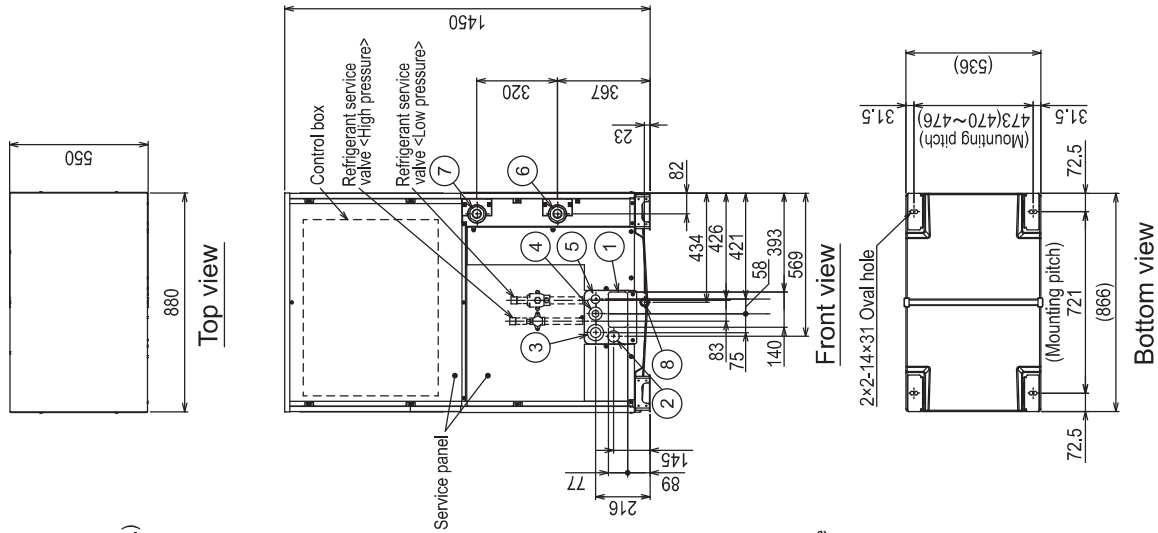
Model	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
PQRV-P200YLM-A1	ø15.88 Brazed *1 *2	ø19.05 Brazed	ø19.05	ø25.4
PQRV-P250YLM-A1	ø19.05 Brazed *1	ø22.2 Brazed *1 *2		
PQRV-P300YLM-A1				

*1. Connect by using the connecting pipes and elbow that are supplied.
*2. Use the pipe joint(field supply) and connect to the refrigerant service valve piping.

PQRY-P350, 400, 450, 500YLM-A1

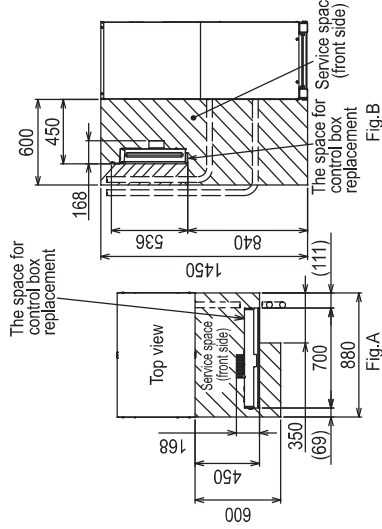
Unit: mm

- Note1. Close a hole of the water piping, the refrigerant piping, the power supply, and the control wiring and unused knockout holes with the putty etc. so as not to infiltrate rain water etc.(field erection work)
- Note2. At the time of product shipment, the front side piping specification serves as the local drainage connection. When connecting on the rear side, please remove the rear side plug sealing corks, and attach a front side. Ensure there is no leak after the attachment has been fitted.
- Note3. Take notice of service space as Fig.A. (In case of single installation, 600mm or more of back space as front side, makes easier access when servicing the unit from rear side.)
- Note4. If water pipes or refrigerant pipes stretch upward, required space for service and maintenance due to replacement of control box is shown in Fig.B.
- Note5. Environmental condition for installation: -20~40°C (DB) as indoor installation.
- Note6. In case the temperature around the heat source unit has possibility to drop under 0°C, be careful for the following point to prevent the pipe burst by the water pipe freeze-up.
- Circulate the water all the time even if the heat source unit is not in operation.
 - Drain the water from inside of the heat source unit when the heat source unit will not operate for a long term.
- Note7. Ensure that the drain piping is downward with a pitch of more than 1/100.
- Note8. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.



- <Accessories>
- Refrigerant (high pressure) conn. pipe1pc. (P350/P400/P450/P500; Packaged in the accessory kit)
 - Refrigerant (low pressure) conn. pipe1pc. (P350/P400/P450/P500; Packaged in the accessory kit)
 - Water stopper1pc. (P350/P400/P450/P500; Packaged in the accessory kit)
 - Sealing material for water stopper1pc. (P350/P400/P450/P500; Packaged in the accessory kit)
 - Sealing material for field piping (high pressure, low pressure)1pc. each (P350/P400/P450/P500; Packaged in the accessory kit)
 - Sealing material for drain socket1pc. (P350/P400/P450/P500; Packaged in the accessory kit)
 - Pipe cover for low pressure1pc. (P350/P400/P450/P500; Packaged in the accessory kit)
 - Sealing material for base leg (two types)4pcs. each (P350/P400/P450/P500; Packaged in the accessory kit)
 - Sealing material for panel1pc. (P350/P400/P450/P500; Packaged in the accessory kit)

NO.	Usage	Specifications
①	Front through hole	140 × 77 Knockout hole
②	For pipes (Uses when 'winning kit (optional parts)' is mounted.)	ø45 Knockout hole
③	Front through hole	ø65 or ø40 Knockout hole
④	Front through hole	ø52 or ø27 Knockout hole
⑤	Front through hole	ø34 Knockout hole
⑥	For transmission cables	Rc1-1/2 Screw
⑦	Water pipe inlet	Rc1-1/2 Screw
⑧	Drain pipe outlet	Rc3/4 Screw



Connecting pipe specifications

Model	Refrigerant pipe	Service valve	Diameter
PQRY-P350YLM-A1	High pressure Low pressure	High pressure Low pressure	
PQRY-P400YLM-A1	ø22.2 Brazed	ø25.4	*1
PQRY-P450YLM-A1	ø28.58 Brazed	ø28.58	*1
PQRY-P500YLM-A1			

*1. Connect by using the connecting pipes that are supplied.