

WY WR2 LINE

OUTDOOR UNITS - Water condensed Heat pump and Heat recovery PQH(R)Y-P Y(S)LM-A1



WEIGHT REDUCED UP TO -44% COMPARED TO PREVIOUS MODEL

WIDER LINEUP INTRODUCING 14HP SIZE

SINGLE MODULE UP TO SIZE 24HP FOR EASIER INSTALLATION AND LESS ENCUMBRANCE

HIGHER EFFICIENCY THAN PREVIOUS MODEL (UP TO +20% EER AND +34% COP)

NEW CASE IN SMALL AND LARGE VERSIONS

EVAPORATING TEMPERATURE CONTROL (ETC) FEATURE AVAILABLE

WATER FLOW AUTOMATIC CONTROL WITH 0-10V INPUT

FOR SIZES P700-P900 (28-36HP) REDUCED OCCUPIED SURFACE.



*1 Values referring to the model PQHY-P600 YSLM-A compared to the same size as the previous series

*2 Value referred to the model P400 compared with the same size as the previous model

New Small and Large case

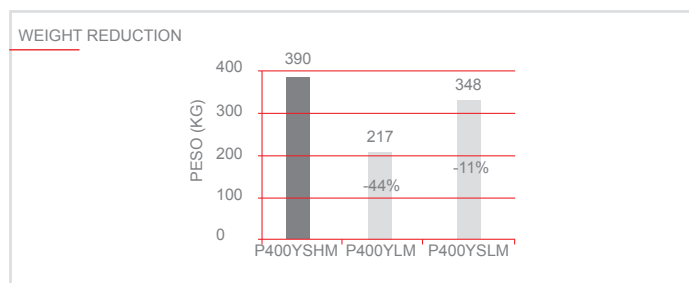
New water condensed outdoor units WY and WR2 are available in two module types: Small and Large. Large module allows capacity up to 24HP (69 kW in Cooling and 76,5 kW in Heating) with just one module, reducing occupied surface in installation site up to 50% compared to previous model. For double module configuration room saving can be up to 33%.

Weight reduction

A significant weight reduction compared to previous model, up to 44% with Large module, allows an easier installation and transportation of the unit.

Higher energy efficiency

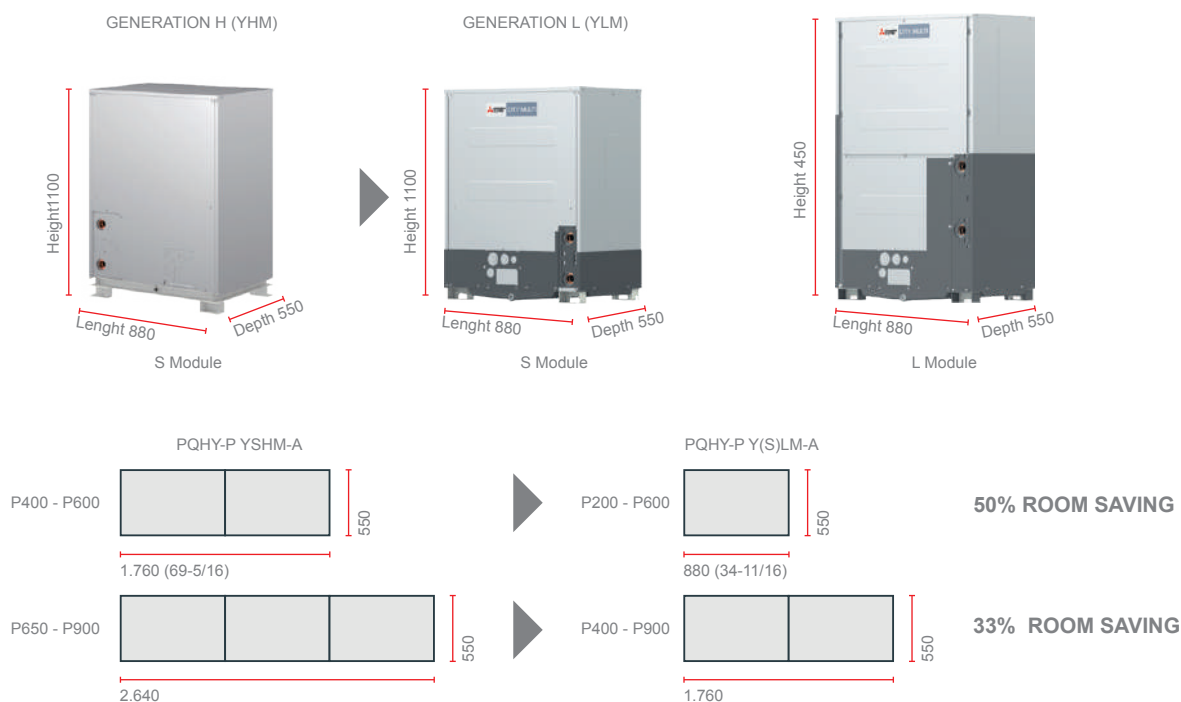
New WY and WR2 model grants top of the class EER and COP performances. Energy efficiency has been improved for both single and double module, in Cooling and Heating, up to +34%. This type of systems are among the most efficient in the world, thanks to high performances and constant temperature attributes of geothermal application.



	PQHY		PQRY	
	Y(S)HM	Y(S)LM	Y(S)HM	Y(S)LM
P200	195	174	181	172
P250	195	174	181	172
P300	195	174	181	172
P350	-	217	-	216
P400	390	217 ^{*1}	362	216 ^{*1}
		348		344 ^{*2}
P450	390	217 ^{*1}	362	216 ^{*1}
		348		344 ^{*2}
P500	390	217 ^{*1}	362	216 ^{*1}
		348		344 ^{*2}
P550	390	246 ^{*1}	362	246 ^{*1}
		348 ^{*2}		344 ^{*2}
P600	390	246 ^{*1}	362	246 ^{*1}
		348 ^{*2}		344 ^{*2}
P700	585	434	-	432
P750	585	434	-	432
P800	585	434	-	432
P850	585	434	-	432
P900	585	434	-	432

*1 Single module
*2 Double module

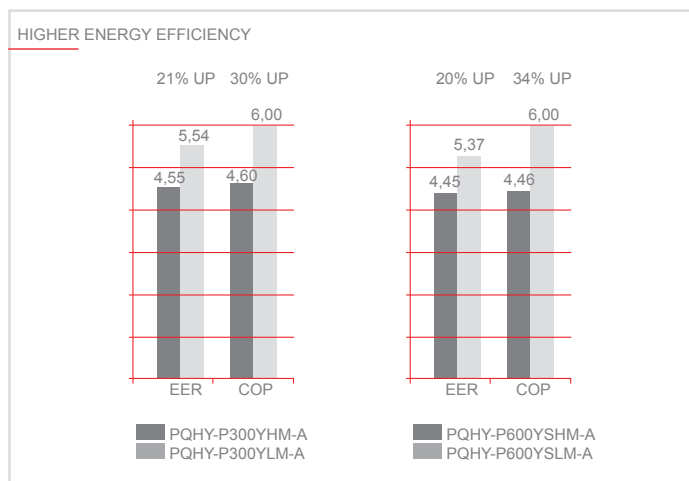
NEW CASE



Water flow rate control

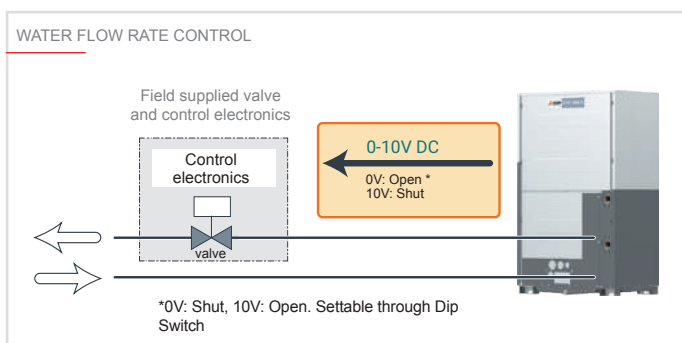
New YLM water condensed outdoor units are equipped with an automatic flow rate control system, which allows reduction of pumping consumption when the system works in partial load conditions. Flow rate control is performed by a 0-10V signal, which controls the regulation valve by shutting or opening it (field supplied).

Thanks to factory setting water circulation pumping is performed even during temporary blackout.



Advantages

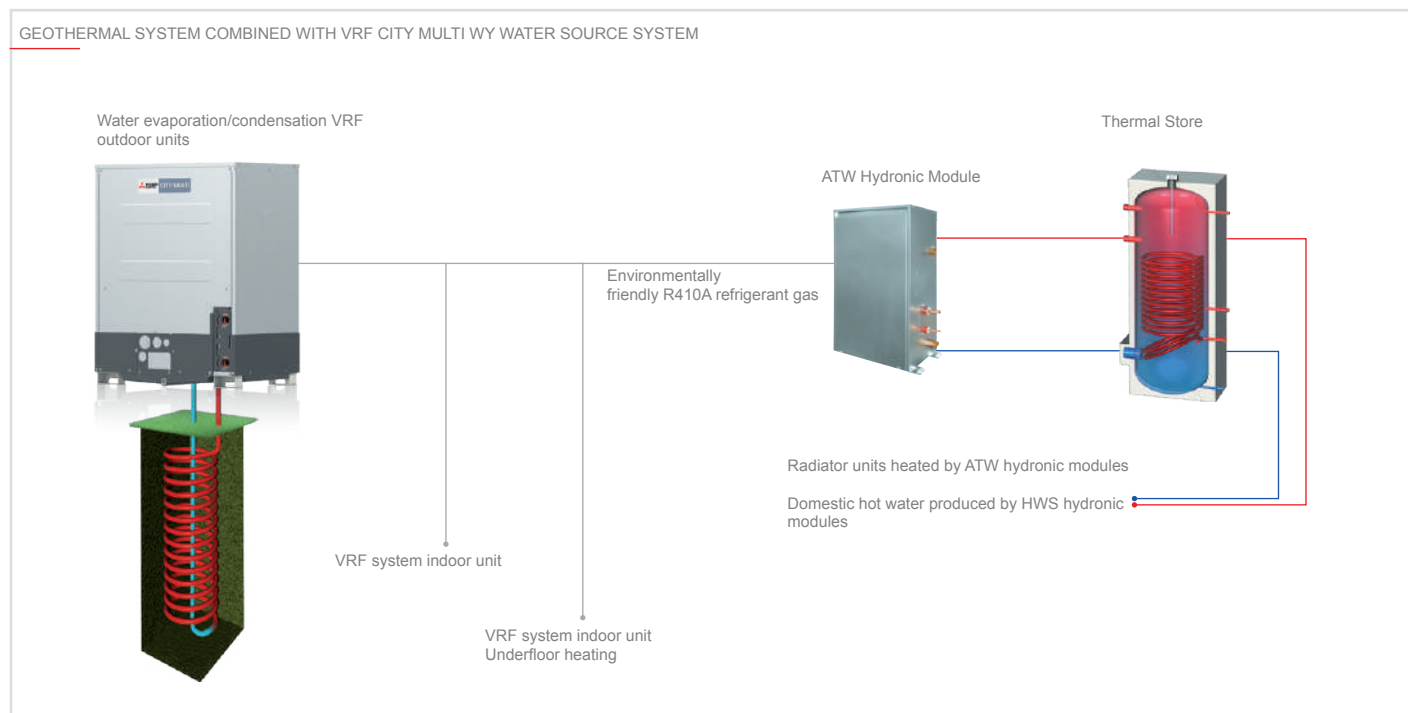
WY and WR2 lines VRF CITY MULTI systems have all the benefits of the Y series, using water evaporation condensing units. Water heat source condensing units offer the advantage of being installable inside the building, for even greater installation flexibility with practically no limitations for the dimensions of the infrastructure. Depending on the capacity of the outdoor unit, up to 26 indoor units can be connected to a single condensing unit, while up to 50 indoor units can be connected to a modular system with individual user and/or centralized control. The two-pipe system allows the system to transition from heating to cooling mode and vice versa, for superior comfort in all zones.



Geothermal applications

WY and WR2 lines outdoor units are perfectly suited for geothermal applications as they use water as the thermal medium fluid which, at depths from 10 m below ground, maintains a practically constant temperature with no significant excursions all year round.

A geothermal installation uses the ground as a heat source in winter and as a heat sink in summer. Using geothermal probes (heat exchangers) together with VRF CITY MULTI WY and WR2 systems, heat may be extracted from the ground to warm in winter, and dissipated into the ground to cool in summer.



Key Technologies

Technical specifications WY LINE

MODEL Single				PQHY-P200YLM-A1		PQHY-P250YLM-A1		PQHY-P300YLM-A1			
HP				8		10		12			
Power supply		Phases/Voltage/Freq.		V/Hz/n°		3-phase 380-400-415V 50Hz					
Cooling		Capacity*1		kW		22.4		28.0		33.5	
		Power input		kW		3.71		4.90		6.04	
		EER				6.03		5.71		5.54	
		SEER				8.12		8.16		7.42	
		Temperature operating field		Indoor WB Water		°C		15.0~24.0		15.0~24.0	
°C						10.0~45.0		10.0~45.0		10.0~45.0	
Heating		Capacity*2		kW		25.0		31.5		37.5	
		Power input		kW		3.97		5.08		6.25	
		COP				6.29		6.20		6.00	
		SCOP				4.90		4.61		4.55	
		Temperature operating field		Indoor DB Water		°C		15.0~27.0		15.0~27.0	
°C						10.0~45.0		10.0~45.0		10.0~45.0	
Sound power level*3				dB(A)		46		48		54	
Connectable indoor units		Total capacity				50 to 130% of O.U. capacity		50 to 130% of O.U. capacity		50 to 130% of O.U. capacity	
		Model/Quantity				P15~P250/1~17		P15~P250/1~21		P15~P250/1~26	
Ø Ref. piping		Liquid		mm		9.52		9.52		9.52	
		Gas				19.05		22.2		22.2	
Circulating Water		Flow rate		m³/h		5.76		5.76		5.76	
		Operating volume range				3.0~7.2		3.0~7.2		3.0~7.2	
		Pressure drop		kPa		24		24		24	
		Heat exchanger volume		l		5		5.0		5.0	
External dimentions				mm		1100 x 880 x 550		1100 x 880 x 550		1100 x 880 x 550	
Net weight				kg		174		174		174	
Ref. Charge R410**/CO ₂ Eq				kg/Tons		5.0 / 10.44		5.0 / 10.44		5.0 / 10.44	

*1 Nominal cooling conditions: Indoor: 27°C DB / 19°C WB. Water temperature 30°C. Piping length 7.5 m, vertical difference 0 m.

*2 Nominal heating conditions: Indoor 20°C DB. Water temperature 20°C. Piping length 7.5 m, vertical difference 0 m.

*3 Values measured in anechoic chamber.

** GWP value of HFC R410A 2088 according to 517 / 2014.

Technical specifications WY LINE

MODEL Single				PQHY-P350YLM-A1	PQHY-P400YLM-A1	PQHY-P450YLM-A1	PQHY-P500YLM-A1	PQHY-P550YLM-A1	PQHY-P600YLM-A1
HP				14	16	18	20	22	24
Power supply		Phases/Voltage/Freq.	V/Hz/n°	3-phase 380-400-415V 50Hz					
Cooling	Capacity*1		kW	40.0	45.0	50.0	56.0	63.0	69.0
	Power input		kW	7.14	8.03	9.29	11.17	12.54	14.49
	EER			5.60	5.60	5.38	5.01	5.02	4.76
	SEER			7.44	7.40	6.62	6.30	6.89	6.89
	Temperature operating field	Indoor WB	°C	15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0
Heating	Capacity*2		kW	45.0	50.0	56	63.0	69.0	76.5
	Power input		kW	7.53	8.37	9.79	11.43	12.27	14.51
	COP			5.97	5.97	5.72	5.51	5.62	5.27
	SCOP			4.29	4.25	4.17	4.04	3.77	3.51
	Temperature operating field	Indoor DB	°C	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0
Sound power level*3			dB(A)	52	52	54	54	56.5	56.5
Connectable indoor units	Total capacity			50 to 130% of O.U. capacity	50 to 130% of O.U. capacity	50 to 130% of O.U. capacity	50 to 130% of O.U. capacity	50 to 130% of O.U. capacity	50 to 130% of O.U. capacity
	Model/Quantity			P15~P250/1~30	P15~P250/1~34	P15~P250/1~39	P15~P250/1~43	P15~P250/2~47	P15~P250/2~50
Ø Ref. piping	Liquid		mm	12.7	15.88	15.88	15.88	15.88	15.88
	Gas			28.58	28.58	28.58	28.58	28.58	28.58
Circulating Water	Flow rate		m³/h	7.20	7.20	7.20	7.20	11.52	11.52
	Operating volume range			4.5~11.6	4.5~11.6	4.5~11.6	4.5~11.6	6.0~14.4	6.0~14.4
	Pressure drop		kPa	44	44	44	44	45	45
	Heat exchanger volume		l	5.0	5.0	5.0	5.0	5.0	5.0
External dimensions			mm	1450 x 880 x 550	1450 x 880 x 550	1450 x 880 x 550	1450 x 880 x 550	1450 x 880 x 550	1450 x 880 x 550
Net weight			kg	217	217	217	217	246	246
Ref. Charge R410**/CO ₂ Eq			kg/Tons	6.0 / 12.53	6.0 / 12.53	6.0 / 12.53	6.0 / 12.53	11.7 / 24.43	11.7 / 24.43

Technical specifications WY LINE

MODEL Double				PQHY-P400YSLM-A1	PQHY-P450YSLM-A1	PQHY-P500YSLM-A1	PQHY-P550YSLM-A1	PQHY-P600YSLM-A1
HP				16	18	20	22	24
Modules				PQHY-P200YLM-A PQHY-P200YLM-A	PQHY-P250YLM-A PQHY-P200YLM-A	PQHY-P250YLM-A PQHY-P250YLM-A	PQHY-P300YLM-A PQHY-P250YLM-A	PQHY-P300YLM-A PQHY-P300YLM-A
Twinning joint				CMY-Y100VBK3				
Power supply	Phases/Voltage/Freq.	V/Hz/n°		3 phase 380-400-415V 50Hz				
Cooling	Capacity* ¹	kW		45.0	50.0	56.0	63.0	69.0
	Power input	kW		7.70	8.78	10.12	11.55	12.84
	EER			5.84	5.69	5.53	5.45	5.37
	SEER			-	-	-	-	-
	Temperature operating field	Indoor WB	°C	15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0
Heating	Capacity* ²	kW		50.0	56.0	63.0	69.0	76.5
	Power input	kW		7.94	8.97	10.16	11.31	12.75
	COP			6.29	6.24	6.20	6.10	6.0
	SCOP			-	-	-	-	-
	Temperature operating field	Indoor DB	°C	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0
Sound power level* ³			dB(A)	49	50	51	55	57
Connectable indoor units	Total capacity			50 to 130% of O.U. capacity	50 to 130% of O.U. capacity	50 to 130% of O.U. capacity	50 to 130% of O.U. capacity	50 to 130% of O.U. capacity
	Model/Quantity			P15~P250/1~34	P15~P250/1~39	P15~P250/1~43	P15~P250/2~47	P15~P250/2~50
Ø Ref. piping	Liquid/Gas	mm		15.88/28.58	15.88/28.58	15.88/28.58	15.88/28.58	15.88/28.58
Circulating Water	Flow rate	m³/h		5.76+5.76	5.76+5.76	5.76+5.76	5.76+5.76	5.76+5.76
	Operating volume range			3+3~7.2+7.2	3+3~7.2+7.2	3+3~7.2+7.2	3+3~7.2+7.2	3+3~7.2+7.2
	Pressure drop	kPa		24+24	24+24	24+24	24+24	24+24
	Heat exchanger volume	l		5.0+5.0	5.0+5.0	5.0+5.0	5.0+5.0	5.0+5.0
External dimentions		mm		1100 x 880 x 550 1100 x 880 x 550	1100 x 880 x 550 1100 x 880 x 550	1100 x 880 x 550 1100 x 880 x 550	1100 x 880 x 550 1100 x 880 x 550	1100 x 880 x 550 1100 x 880 x 550
Net weight		kg		174+174	174+174	174+174	174+174	174+174
Ref. Charge R410**/CO ₂ Eq		kg/Tons		5.0+5.0/20.88	5.0+5.0/20.88	5.0+5.0/20.88	5.0+5.0/20.88	5.0+5.0/20.88

*¹ Nominal cooling conditions: Indoor: 27°C DB / 19°C WB. Water temperature 30°C. Piping length 7.5 m, vertical difference 0 m.

*² Nominal heating conditions: Indoor 20°C DB. Water temperature 20°C. Piping length 7.5 m, vertical difference 0 m.

*³ Values measured in anechoic chamber.

** GWP value of HFC R410A 2088 according to 517 / 2014.

Technical specifications WY LINE

MODEL Double				PQHY-P700YSLM-A1	PQHY-P750YSLM-A1	PQHY-P800YSLM-A1	PQHY-P850YSLM-A1	PQHY-P900YSLM-A1
HP				28	30	32	34	36
Modules				PQHY-P350YLM-A PQHY-P350YLM-A	PQHY-P400YLM-A PQHY-P350YLM-A	PQHY-P400YLM-A PQHY-P400YLM-A	PQHY-P450YLM-A PQHY-P400YLM-A	PQHY-P450YLM-A PQHY-P450YLM-A
Twinning joint				CMY-Y200VBK2				
Power supply	Phases/Voltage/Freq.	V/Hz/n°		3 phase 380-400-415V 50Hz				
Cooling	Capacity* ¹	kW		80.0	85.0	90.0	96.0	101.0
	Power input	kW		14.73	15.64	16.57	18.03	19.38
	EER			5.43	5.43	5.43	5.32	5.21
	SEER			-	-	-	-	-
	Temperature operating field	Indoor WB	°C	15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0
Heating	Capacity* ²	kW		50.0	56.0	63.0	69.0	76.5
	Power input	kW		7.94	8.97	10.16	11.31	12.75
	COP			6.29	6.24	6.20	6.10	6.0
	SCOP			-	-	-	-	-
	Temperature operating field	Indoor DB	°C	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0
Sound power level* ³			dB(A)	55	55	55	56	57
Connectable indoor units	Total capacity			50 to 130% of O.U. capacity	50 to 130% of O.U. capacity	50 to 130% of O.U. capacity	50 to 130% of O.U. capacity	50 to 130% of O.U. capacity
	Model/Quantity			P15~P250/2~50	P15~P250/2~50	P15~P250/2~50	P15~P250/2~50	P15~P250/2~50
Ø Ref. piping	Liquid/Gas	mm		19.05/34.93	19.05/34.93	19.05/34.93	19.05/41.28	19.05/41.28
Circulating Water	Flow Rate	m³/h		7.20+7.20	7.20+7.20	7.20+7.20	7.20+7.20	7.20+7.20
	Operating volume range			4.5+4.5~11.6+11.6	4.5+4.5~11.6+11.6	4.5+4.5~11.6+11.6	4.5+4.5~11.6+11.6	4.5+4.5~11.6+11.6
	Pressure drop	kPa		44+44	44+44	44+44	44+44	44+44
	Heat exchanger volume	l		5.0+5.0	5.0+5.0	5.0+5.0	5.0+5.0	5.0+5.0
External dimentions		mm		1450 x 880 x 550 1450 x 880 x 550	1450 x 880 x 550 1450 x 880 x 550	1450 x 880 x 550 1450 x 880 x 550	1450 x 880 x 550 1450 x 880 x 550	1450 x 880 x 550 1450 x 880 x 550
Net weight		kg		217+217	217+217	217+217	217+217	217+217
Ref. Charge R410**/CO ₂ Eq		kg/Tons		6.0+6.0/25.06	6.0+6.0/25.06	6.0+6.0/25.06	6.0+6.0/25.06	6.0+6.0/25.06

*¹ Nominal cooling conditions: Indoor: 27°C DB / 19°C WB. Water temperature 30°C. Piping length 7.5 m, vertical difference 0 m.

*² Nominal heating conditions: Indoor 20°C DB. Water temperature 20°C. Piping length 7.5 m, vertical difference 0 m.

*³ Values measured in anechoic chamber.

** GWP value of HFC R410A 2088 according to 517 / 2014.

Technical specifications WR2 LINE

MODEL Single				PQRY-P200YLM-A1	PQRY-P250YLM-A1	PQRY-P300YLM-A1
HP				8	10	12
Power supply	Phases/Voltage/Freq.	V/Hz/n°	3 phase 380-400-415V 50Hz			
Cooling	Capacity*1	kW		22.4	28.0	33.5
	Power input	kW		3.71	4.90	6.04
	EER			6.03	5.71	5.54
	SEER			7.91	7.99	7.30
	Temperature operating field	Indoor WB °C		15.0~24.0	15.0~24.0	15.0~24.0
Heating	Capacity*2	kW		25.0	31.5	37.5
	Power input	kW		3.97	5.08	6.25
	COP			6.29	6.20	6.00
	SCOP			4.90	4.61	4.55
	Temperature operating field	Indoor DB °C		15.0~27.0	15.0~27.0	15.0~27.0
Sound power level*3		Water °C		10.0~45.0	10.0~45.0	10.0~45.0
				46	48	54
Connectable indoor units	Total capacity			50 to 150% of O.U. capacity	50 to 150% of O.U. capacity	50 to 150% of O.U. capacity
	Model/Quantity			P15~P250/1~20	P15~P250/1~25	P15~P250/1~30
Ø Ref. piping	Liquid	mm		15.88	19.05	19.05
	Gas	mm		19.05	22.2	22.2
Circulating Water	Flow Rate	m³/h		5.76	5.76	5.76
	Operating volume range			3.0~7.2	3.0~7.2	3.0~7.2
	Pressure drop	kPa		24	24	24
	Heat exchanger volume	l		5.0	5.0	5.0
External dimensions		mm		1100 x 880 x 550	1100 x 880 x 550	1100 x 880 x 550
Net weight		kg		172	172	172
Ref. Charge R410**/CO ₂ Eq		kg/Tons		5.0 /10.44	5.0 /10.44	5.0 /10.44

*1 Nominal cooling conditions: Indoor: 27°C DB / 19°C WB. Water temperature 30°C. Piping length 7.5 m, vertical difference 0 m.

*2 Nominal heating conditions: Indoor 20°C DB. Water temperature 20°C. Piping length 7.5 m, vertical difference 0 m.

*3 Values measured in anechoic chamber.

*4 GWP value of HFC R410A 2088 according to 517 / 2014.

Technical specifications WR2 LINE

MODEL Single				PQRY-P350YLM-A1	PQRY-P400YLM-A1	PQRY-P450YLM-A1	PQRY-P500YLM-A1	PQRY-P550YLM-A1	PQRY-P600YLM-A1
HP				14	16	18	20	22	24
Power supply	Phases/Voltage/Freq.	V/Hz/n°	3 phase 380-400-415V 50Hz						
Cooling	Capacity*1	kW		40.0	45.0	50.0	56.0	63.0	69.0
	Power input	kW		7.14	8.03	9.29	11.17	12.54	14.49
	EER			5.60	5.60	5.38	5.01	5.02	4.76
	SEER			7.34	7.31	6.56	6.25	6.84	6.84
	Temperature operating field	Indoor WB °C		15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0
Heating	Capacity*2	kW		45.0	50.0	56.0	63.0	69.0	76.5
	Power input	kW		7.53	8.37	9.79	11.43	12.27	14.51
	COP			5.97	5.97	5.72	5.51	5.62	5.27
	SCOP			4.29	4.25	4.17	4.04	3.77	3.51
	Temperature operating field	Indoor DB °C		15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0
Sound power level*3		Water °C		10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0
				52	52	54	54	56.5	56.5
Connectable indoor units	Total capacity			50 to 150% of O.U. capacity					
	Model/Quantity			P15~P250/1~35	P15~P250/1~40	P15~P250/1~45	P15~P250/1~50	P15~P250/2~50	P15~P250/2~50
Ø Ref. piping	Liquid	mm		22.2	22.2	22.2	22.2	22.2	22.2
	Gas	mm		28.58	28.58	28.58	28.58	28.58	34.93
Circulating Water	Flow Rate	m³/h		7.20	7.20	7.20	7.20	11.52	11.52
	Operating volume range			4.5~11.6	4.5~11.6	4.5~11.6	4.5~11.6	6.0~14.4	6.0~14.4
	Pressure drop	kPa		44	44	44	44	45	45
	Heat exchanger volume	l		5	5	5	5	10	10
External dimensions		mm		1450 x 880 x 550	1450 x 880 x 550	1450 x 880 x 550	1450 x 880 x 550	1450 x 880 x 550	1450 x 880 x 550
Net weight		kg		216	216	216	216	246	246
Ref. Charge R410**/CO ₂ Eq		kg/Tons		6.0 /12.53	6.0 /12.53	6.0 /12.53	6.0 /12.53	11.7/24.43	11.7/24.43

*1 Nominal cooling conditions: Indoor: 27°C DB / 19°C WB. Water temperature 30°C. Piping length 7.5 m, vertical difference 0 m.

*2 Nominal heating conditions: Indoor 20°C DB. Water temperature 20°C. Piping length 7.5 m, vertical difference 0 m.

*3 Values measured in anechoic chamber.

*4 GWP value of HFC R410A 2088 according to 517 / 2014

Technical specifications WR2 LINE

MODEL Double				PQRY-P400YSLM-A1	PQRY-P450YSLM-A1	PQRY-P500YSLM-A1	PQRY-P550YSLM-A1	PQRY-P600YSLM-A1
HP				16	18	20	22	24
Modules				PQRY-P200YLM-A PQRY-P200YLM-A	PQRY-P250YLM-A PQRY-P200YLM-A	PQRY-P250YLM-A PQRY-P250YLM-A	PQRY-P300YLM-A PQRY-P250YLM-A	PQRY-P300YLM-A PQRY-P300YLM-A
Twinning joint				CMY-Q100VBK				
Power supply	Phases/Voltage/Freq.		V/Hz/n°	3-phase 380-400-415V 50Hz				
Cooling	Capacity*1		kW	45.0	50.0	56.0	63.0	69.0
	Power input		kW	7.70	8.78	10.12	11.55	12.84
	EER			5.84	5.69	5.53	5.45	5.37
	SEER			-	-	-	-	-
	Temperature operating field	Indoor WB Water	°C	15.0~24.0 10.0~45.0	15.0~24.0 10.0~45.0	15.0~24.0 10.0~45.0	15.0~24.0 10.0~45.0	15.0~24.0 10.0~45.0
Heating	Capacity*2		kW	50.0	56.0	63.0	69.0	76.5
	Power input		kW	7.94	8.97	10.16	11.31	12.75
	COP			6.29	6.24	6.20	6.10	6.00
	SCOP			-	-	-	-	-
	Temperature operating field	Indoor DB Water	°C	15.0~27.0 10.0~45.0	15.0~27.0 10.0~45.0	15.0~27.0 10.0~45.0	15.0~27.0 10.0~45.0	15.0~27.0 10.0~45.0
Sound power level*3			dB(A)	49	50	51	55	57
Connectable indoor units	Total capacity			50 to 150% of O.U. capacity	50 to 150% of O.U. capacity	50 to 150% of O.U. capacity	50 to 150% of O.U. capacity	50 to 150% of O.U. capacity
	Model/Quantity			P15~P250/1~40	P15~P250/1~45	P15~P250/1~50	P15~P250/1~50	P15~P250/2~50
Ø Ref. piping	Liquid/Gas		mm	22.2/28.58	22.2/28.58	22.2/28.58	22.2/28.58	22.2/34.93
Circulating Water	Flow Rate		m³/h	5.76 + 5.76	5.76 + 5.76	5.76 + 5.76	5.76 + 5.76	5.76 + 5.76
	Operating volume range			3+3 ~ 7.2+7.2	3+3 ~ 7.2+7.2	3+3 ~ 7.2+7.2	3+3 ~ 7.2+7.2	3+3 ~ 7.2+7.2
	Pressure drop		kPa	24 + 24	24 + 24	24 + 24	24 + 24	24 + 24
	Heat exchanger volume		l	5.0 + 5.0	5.0 + 5.0	5.0 + 5.0	5.0 + 5.0	5.0 + 5.0
External dimentions			mm	1100 x 880 x 550 1100 x 880 x 550	1100 x 880 x 550 1100 x 880 x 550	1100 x 880 x 550 1100 x 880 x 550	1100 x 880 x 550 1100 x 880 x 550	1100 x 880 x 550 1100 x 880 x 550
Net weight			kg	172+172	172+172	172+172	172+172	172+172
Ref. Charge R410**/CO ₂ Eq			kg/Tons	5.0+5.0 /20.88	5.0+5.0 /20.88	5.0+5.0 /20.88	5.0+5.0 /20.88	5.0+5.0 /20.88

Technical specifications WR2 LINE

MODEL Double				PQRY-P700YSLM-A1	PQRY-P750YSLM-A1	PQRY-P800YSLM-A1	PQRY-P850YSLM-A1	PQRY-P900YSLM-A1
HP				28	30	32	34	36
Modules				PQRY-P350YLM-A PQRY-P350YLM-A	PQRY-P400YLM-A PQRY-P350YLM-A	PQRY-P400YLM-A PQRY-P400YLM-A	PQRY-P450YLM-A PQRY-P400YLM-A	PQRY-P450YLM-A PQRY-P450YLM-A
Twinning joint				CMY-Q100VBK				
Power supply	Phases/Voltage/Freq.		V/Hz/n°	3-phase 380-400-415V 50Hz				
Cooling	Capacity*1		kW	80.0	85.0	90.0	96.0	101.0
	Power input		kW	14.73	15.64	16.57	18.03	19.38
	EER			5.43	5.43	5.43	5.32	5.21
	SEER			-	-	-	-	-
	Temperature operating field	Indoor WB	°C	15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0
Heating			°C	10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0
	Capacity*2		kW	88	95.0	100.0	108.0	113.0
	Power input		kW	14.73	15.90	16.75	18.49	19.74
	COP			5.97	5.97	5.97	5.84	5.72
	SCOP			-	-	-	-	-
	Temperature operating field	Indoor DB	°C	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0
			°C	10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0
Sound power level*3			dB(A)	55	55	55	56	57
Connectable indoor units	Total capacity			50 to 150% of O.U. capacity	50 to 150% of O.U. capacity	50 to 150% of O.U. capacity	50 to 150% of O.U. capacity	50 to 150% of O.U. capacity
	Model/Quantity			P15~P250/2~50	P15~P250/2~50	P15~P250/2~50	P15~P250/2~50	P15~P250/2~50
Ø Ref. piping	Liquid/Gas		mm	28.58/34.93	28.58/34.93	28.58/34.93	28.58/41.28	28.58/41.28
Circulating Water	Flow Rate		m³/h	7.20 + 7.20	7.20 + 7.20	7.20 + 7.20	7.20 + 7.20	7.20 + 7.20
	Operating volume range			4.5+4.5 ~ 11.6+11.6	4.5+4.5 ~ 11.6+11.6	4.5+4.5 ~ 11.6+11.6	4.5+4.5 ~ 11.6+11.6	4.5+4.5 ~ 11.6+11.6
	Pressure drop		kPa	44 + 44	44 + 44	44 + 44	44 + 44	44 + 44
	Heat exchanger volume		l	5.0 + 5.0	5.0 + 5.0	5.0 + 5.0	5.0 + 5.0	5.0 + 5.0
External dimentions			mm	1450 x 880 x 550 1450 x 880 x 550	1450 x 880 x 550 1450 x 880 x 550	1450 x 880 x 550 1450 x 880 x 550	1450 x 880 x 550 1450 x 880 x 550	1450 x 880 x 550 1450 x 880 x 550
Net weight			kg	216 + 216	216 +216	216 + 216	216 +216	216 + 216
Ref. Charge R410**/CO ₂ Eq			kg/Tons	6.0+6.0 /25.06	6.0 + 6.0 /25.06	6.0 + 6.0 /25.06	6.0 + 6.0 /25.06	6.0 + 6.0 /25.06

*1 Nominal cooling conditions: Indoor: 27°C DB / 19°C WB. Water temperature 30°C. Piping length 7.5 m, vertical difference 0 m.

*2 Nominal heating conditions: Indoor 20°C DB. Water temperature 20°C. Piping length 7.5 m, vertical difference 0 m.

*3 Values measured in anechoic chamber.

** GWP value of HFC R410A 2088 according to 517 / 2014