

Y NEXT STAGE LINE

OUTDOOR UNITS - PUHY-(E)P Y(S)NW-A-(BS)



NEW FOUR-SIDED BATTERY

STATIC PRESSURE OF FAN INCREASED UP TO 80 PA.

STATIC PRESSURE OF FAN INCREASED UP TO 80 PA.

CITY MULTI

NEW FAN WITH LOW FRICTION PROFILE

COMPRESSOR OPTIMISED WITH "MULTI-PORT" TECHNOLOGY

NEW AUTO-SHIFT MODE

NEW AUTO-SHIFT MODE PREHEAT DEFROST FUNCTION

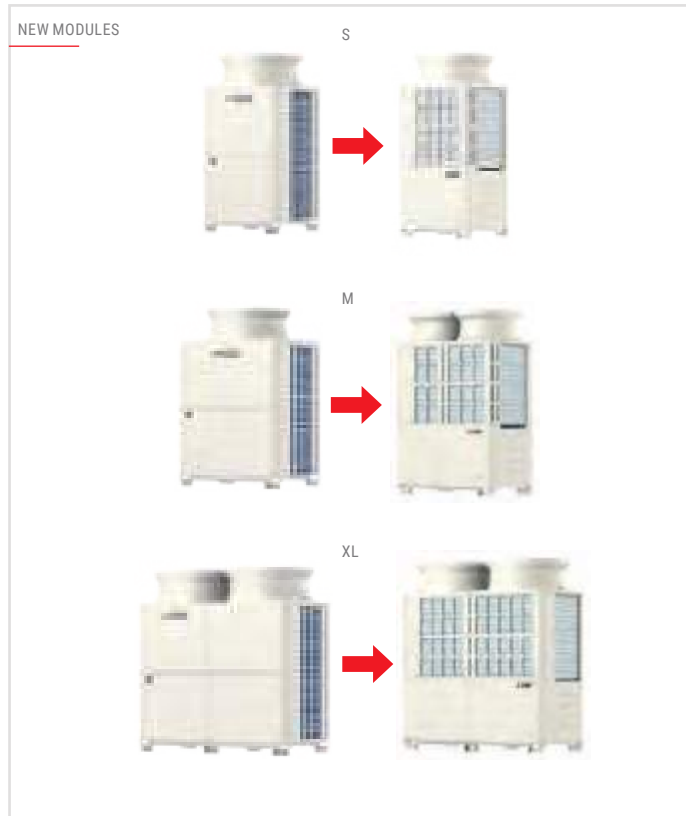
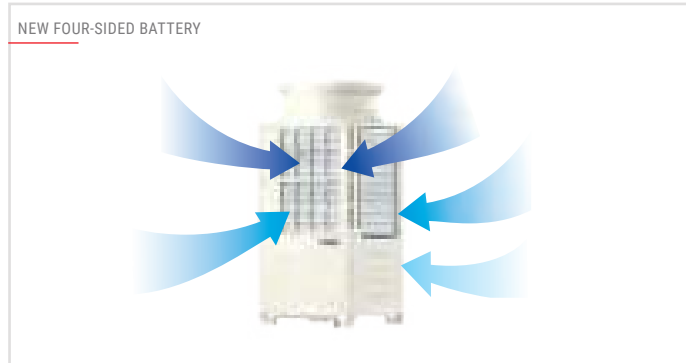
ADVANCED ETC CONTROL OF EVAPORATION TEMPERATURE.

FLEXIBLE NOISE SETTING



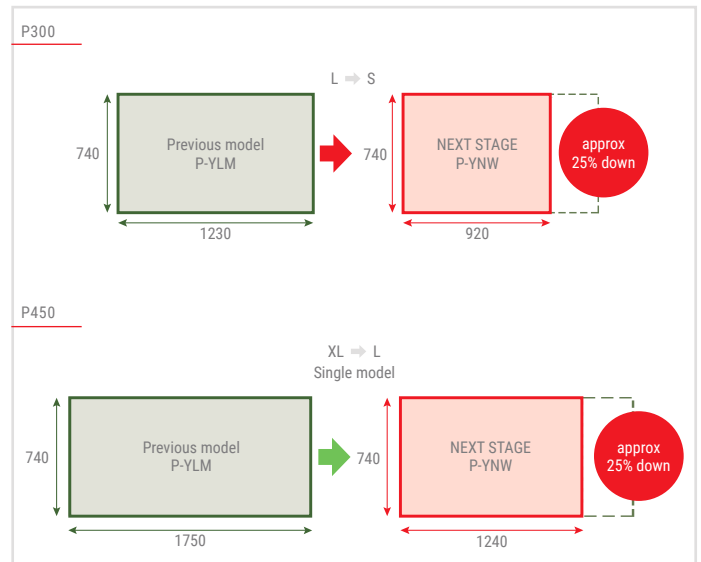
New design

The new outdoor units of the YNW series use a four-sided heat exchanger close to the top of the case near the fan. This technological and construction choice makes it possible to increase heat exchange efficiency.



Single module

		Previous model	YNW
8HP	P200	S	S
10HP	P250	S	S
12HP	P300	L	S
14HP	P350	L	L
16HP	P400	L	L
18HP	P450	XL	L
20HP	P500	XL	XL



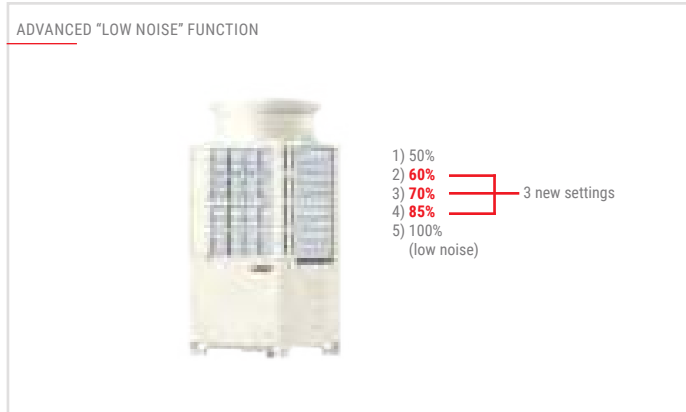
Energy saving

Energy efficiency has been further improved compared to YLM units and now hits top of the range performance values. SEER values have been raised by 139% (P500) compared to the previous model and SCOP values by 49% (P300 and P500). This allows the new YNW units to consume less energy in both cooling and heating. All year-round saving.



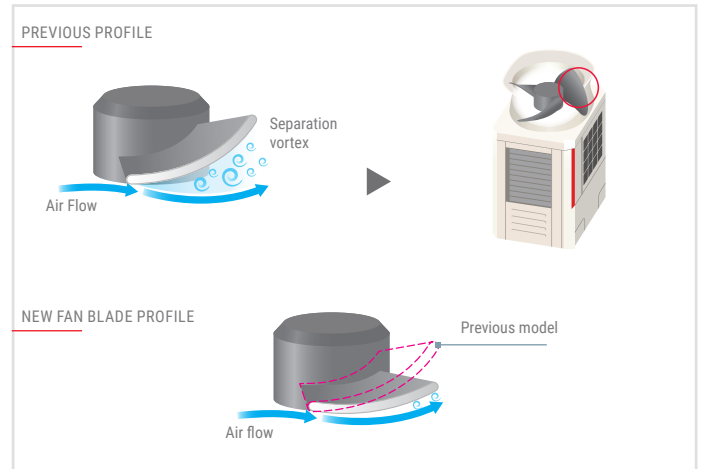
Advanced "Low Noise" function

"Low noise" mode can now be selected from five different settings: 85%, 70%, 60% and 50% (values referring to fan speed). Noise reduction is directly configurable from the control board of the outdoor unit. Different settings can be selected based on the installation requirements (in applications with special noise constraints).



New fan blade profile

The new YNW series fan has been completely redesigned to match the new four-sided battery. The profile of the fins has been optimised to minimise fluid flow losses.



Key Technologies

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Technical specifications

MODEL		PUHY-P200YNW-A(-BS)	PUHY-P250YNW-A(-BS)	PUHY-P300YNW-A(-BS)	PUHY-P350YNW-A(-BS)	PUHY-P400YNW-A(-BS)	PUHY-P450YNW-A(-BS)	PUHY-P500YNW-A(-BS)	PUHY-P400YSNW-A(-BS)	PUHY-P450YSNW-A(-BS)	
Modules		PUHY-P200YNW-A	PUHY-P250YNW-A	PUHY-P300YNW-A	PUHY-P350YNW-A	PUHY-P400YNW-A	PUHY-P450YNW-A	PUHY-P500YNW-A	PUHY-P200YNW-A PUHY-P200YNW-A	PUHY-P200YNW-A PUHY-P250YNW-A	
Power supply	V/Hz/n°	3-phase 380-415V 50Hz									
Cooling	Capacity*1	kW	22,4	28	33,5	40	45	50	56	45	50
	Power input	kW	4,24	5,78	7,66	9,87	11,47	12,22	12,52	8,77	10,22
	EER		5,28	4,84	4,37	4,05	3,92	4,09	4,47	5,13	4,89
	SEER		8,44	8,47	8	7,72	7,75	7,86	7,66	8,35	8,33
	ESEER		13,28	13,68	10,36	11,33	9,17	10,20	9,72		
Temperature operating field	Indoor WB	°C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
	Outdoor DB	°C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52
Heating	Capacity*2	kW	25	31,5	37,5	45	50	56	63	50	56
	Power input	kW	4,58	6,04	7,86	8,51	13,4	13,42	14,61	9,45	10,85
	COP		5,45	5,21	5	4,7	3,73	4,17	4,31	5,29	5,16
	SCOP		4,7	4,42	4,24	3,97	3,77	3,68	3,69	4,55	4,42
	Temperature operating field	Indoor WB	°C	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27
Outdoor DB		°C	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5
Sound power level*3		dB(A)	58/59	60/61	61/64,5	62/64	65/67	65,5/69,5	63,5/66,5	61/62	62/63
Connectable indoor units	Total capacity		50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI	P15-P250/1-17	P15-P250/1-21	P15-P250/1-26	P15-P250/1-30	P15-P250/1-34	P15-P250/1-39	P15-P250/1-43	P15-P250/1-34	P15-P250/1-39
Ø Ref. piping diameter	Liquid	mm	9,52	9,52	9,52	12,7	12,7	15,88	15,88	12,7	15,88
	Gas	mm	22,2	22,2	22,2	28,58	28,58	28,58	28,58	28,58	28,58
Fan	Type x quantity		Propoeller fan x 1	Propoeller fan x 1	Propoeller fan x 1	Propoeller fan x 2	Propoeller fan x 2	Propoeller fan x 2	Propoeller fan x 2	Propoeller fan x 4	Propoeller fan x 4
	Air flow	m³/min	170	185	240	270	300	305	365	170 170	170 185
Compressor	Type		Inverter scroll ermetic compressor								
	Motor output	kW	5,6	7	7,9	10,2	10,9	12,4	13	5,6 5,6	5,6 7
External dimentions	(HxLxD)	mm	1858x920x740	1858x920x740	1858x920x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1750x740	1858x920x740 1858x920x740	1858x920x740 1858x920x740
Net weight		kg	225	225	228	278	278	294	337	450	450
Ref. Charge R410**/CO ₂ Eq	Ref. Charge R410**/CO ₂ Eq	kg	6,5	6,5	6,5	9,8	9,8	10,8	10,8	13	13
	CO ₂ eq.**4	Tons	13,57	13,57	13,57	20,46	20,46	22,55	22,55	27,14	27,14

*1 Nominal cooling conditions: Indoor: 27°C DB / 19°C WB. Outdoor 35°C DB. Piping length 7.5 m, vertical difference 0 m.

*2 Nominal heating conditions: Indoor 20°C DB. Outdoor 7°C DB / 6°C WB. Piping length 7.5 m, vertical difference 0 m.

*3 Values measured in anechoic chamber (Cooling mode/Heating mode)

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

The SEER and SCOP data are based on the EN14825 measurement standard

Technical specifications

MODEL			PUHY-P500Y-SNW-A	PUHY-P550Y-SNW-A	PUHY-P600Y-SNW-A	PUHY-P650Y-SNW-A	PUHY-P700Y-SNW-A	PUHY-P750Y-SNW-A	PUHY-P800Y-SNW-A	PUHY-P850Y-SNW-A	PUHY-P900Y-SNW-A
Modules			PUHY-P250YNW-A PUHY-P250YNW-A	PUHY-P250YNW-A PUHY-P300YNW-A	PUHY-P300YNW-A PUHY-P300YNW-A	PUHY-P250YNW-A PUHY-P400YNW-A	PUHY-P350YNW-A PUHY-P350YNW-A	PUHY-P350YNW-A PUHY-P400YNW-A	PUHY-P400YNW-A PUHY-P400YNW-A	PUHY-P400YNW-A PUHY-P450YNW-A	PUHY-P450YNW-A PUHY-P450YNW-A
Power supply	V/Hz/n°		3-phase 380-415V 50Hz								
Cooling	Capacity*1	kW	56	63	69	73	80	85	90	96	101
	Power input	kW	11,91	14,15	16,26	17,59	20,35	21,99	22,76	24,66	25,44
	EER		4,7	4,45	4,24	4,15	3,93	3,86	3,95	3,89	3,97
	SEER		8,35	8,08	7,85	7,82	7,63	7,63	7,68	7,75	7,8
	Temperature operating field	Indoor WB °C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
	Outdoor DB °C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	
Heating	Capacity*2	kW	63	69	76,5	81,5	88	95	102	108	113
	Power input	kW	12,45	14,26	16,52	19,53	21,15	24,54	24,39	28,05	27,9
	COP		5,06	4,83	4,63	4,17	4,16	3,87	4,1	3,85	4,05
	SCOP		4,28	4,18	4,09	3,9	3,87	3,76	3,71	3,61	3,56
	Temperature operating field	Indoor WB °C	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27
	Outdoor DB °C	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	
Sound power level*3	dB(A)		63/64	63,5/66	64/67,5	66,5/68	65/67	67/68,5	67,5/71	68,5/71,5	68,5/72,5
Connectable indoor units	Total capacity		50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI	P15-P250/ 1-43	P15-P250/ 2-47	P15-P250/ 2-50	P15-P250/ 2-50	P15-P250/ 2-50	P15-P250/ 2-50	P15-P250/ 2-50	P15-P250/ 2-50	P15-P250/ 2-50
Ø Ref. piping diameter	Liquid	mm	15,88	15,88	15,88	15,88	19,05	19,05	19,05	19,05	19,05
	Gas	mm	28,58	28,58	28,58	28,58	34,93	34,93	34,93	41,28	41,28
Fan	Type x quantity	Propoeller fan x 2									
	Air flow	m³/min	185	185	240	240	270	270	300	300	305
Compressor	Type	Scroll hermetico inverter									
	Motor output	kW	7	7,9	7,9	7,9	10,2	10,2	10,9	10,9	12,4
External dimenstions	(HxLxD)	mm	1858x920x740 1858x1240x740	1858x920x740 1858x1240x740	1858x920x740 1858x1240x740	1858x920x740 1858x1240x740	1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740
Net weight		kg	450	453	456	503	556	556	572	572	588
Ref. Charge R410**/CO ₂ Eq	Ref. Charge R410**/CO ₂ Eq	kg	13	13	13	16,3	19,6	19,6	20,6	20,6	21,6
	CO ₂ eq.**4	Tons	27,14	27,14	27,14	34,03	40,92	40,92	43,01	43,01	45,1

Technical specifications

MODEL			PUHY-P950Y-SNW-A	PUHY-P1000Y-SNW-A	PUHY-P1050Y-SNW-A	PUHY-P1100Y-SNW-A	PUHY-P1150Y-SNW-A	PUHY-P1200Y-SNW-A	PUHY-P1250Y-SNW-A	PUHY-P1300Y-SNW-A	PUHY-P1350Y-SNW-A
Modules			PUHY-P250YNW-A PUHY-P350YNW-A PUHY-P350YNW-A	PUHY-P250YNW-A PUHY-P350YNW-A PUHY-P400YNW-A	PUHY-P250YNW-A PUHY-P400YNW-A PUHY-P400YNW-A	PUHY-P350YNW-A PUHY-P350YNW-A PUHY-P400YNW-A	PUHY-P350YNW-A PUHY-P400YNW-A PUHY-P400YNW-A	PUHY-P400YNW-A PUHY-P400YNW-A PUHY-P400YNW-A	PUHY-P400YNW-A PUHY-P400YNW-A PUHY-P450YNW-A	PUHY-P400YNW-A PUHY-P450YNW-A PUHY-P450YNW-A	PUHY-P450YNW-A PUHY-P450YNW-A PUHY-P450YNW-A
Power supply	V/Hz/n°		3-phase 380-415V 50Hz								
Cooling	Capacity*1	kW	108	113	118	124	130	136	140	146	150
	Power input	kW	26,13	27,74	29,35	31,87	33,82	35,69	36,17	37,24	37,78
	EER		4,13	4,07	4,02	3,89	3,84	3,81	3,87	3,92	3,97
	SEER		7,82	7,81	7,81	7,6	7,6	7,63	7,65	7,68	7,71
	Temperature operating field	Indoor WB °C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
	Outdoor DB °C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	
Heating	Capacity*2	kW	119,5	127	132	140	145	150	156,5	163	168
	Power input	kW	27,2	30,45	33,3	35,34	38,32	41,42	41,4	41,55	41,4
	COP		4,39	4,17	3,96	3,96	3,78	3,62	3,78	3,92	4,05
	SCOP		3,99	3,88	3,81	3,8	3,73	3,67	3,63	3,6	3,57
	Temperature operating field	Indoor WB °C	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27
	Outdoor DB °C	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	
Sound power level*3	dB(A)		66/68	68/69,5	68,5/70,5	68,5/70	69/71	70/72	70/73	70/73,5	70,5/74,5
Connectable indoor units	Total capacity		50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI	P15-P250/ 2-50	P15-P250/ 2-50	P15-P250/ 3-50	P15-P250/ 3-50	P15-P250/ 3-50	P15-P250/ 3-50	P15-P250/ 3-50	P15-P250/ 3-50	P15-P250/ 3-50
Ø Ref. piping diameter	Liquid	mm	19,05	19,05	19,05	19,05	19,05	19,05	19,05	19,05	19,05
	Gas	mm	41,28	41,28	41,28	41,28	41,28	41,28	41,28	41,28	41,28
Fan	Type x quantity	Propoeller fan x 5									
	Air flow	m³/min	185	185	185	270	270	300	300	305	305
Compressor	Type	Scroll hermetico inverter									
	Motor output	kW	7	7	7	9,8	9,8	10,9	10,9	10,9	12,4
External dimenstions	(HxLxD)	mm	1858x920x740 1858x1240x740 1858x1240x740	1858x920x740 1858x1240x740 1858x1240x740	1858x920x740 1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740 1858x1240x740
Net weight		kg	781	781	781	834	834	834	850	866	882
Ref. Charge R410**/CO ₂ Eq	Ref. Charge R410**/CO ₂ Eq	kg	26,1	26,1	26,1	29,4	29,4	29,4	30,4	31,4	32,4
	CO ₂ eq.**4	Tons	54,5	54,5	54,5	61,39	61,39	61,39	63,47	65,56	67,65

Technical specifications

MODEL			PUHY-EP200YNW-A(-BS)	PUHY-EP250YNW-A(-BS)	PUHY-EP300YNW-A(-BS)	PUHY-EP350YNW-A(-BS)	PUHY-EP400YNW-A(-BS)	PUHY-EP450YNW-A(-BS)	PUHY-EP500YNW-A(-BS)	PUHY-EP400Y-SNW-A(-BS)	PUHY-EP450Y-SNW-A(-BS)
Modules			PUHY-EP200YNW-A	PUHY-EP250YNW-A	PUHY-EP300YNW-A	PUHY-EP350YNW-A	PUHY-EP400YNW-A	PUHY-EP450YNW-A	PUHY-EP500YNW-A	PUHY-EP200YNW-A PUHY-EP200YNW-A	PUHY-EP200YNW-A PUHY-EP250YNW-A
Power supply	V/Hz/n°		3-fase 380-415V 50Hz								
Cooling	Capacity*1	kW	22,4	28	33,5	40	45	50	56	45	50
	Power input	kW	4	5,49	6,96	8,75	10,46	11,1	12,41	8,27	9,67
	EER		5,6	5,1	4,81	4,57	4,3	4,5	4,51	5,44	5,17
	SEER		9,03	9,11	8,8	8,53	8,52	8,57	7,95	8,94	8,94
	ESEER		14,48	14,09	11,52	12,21	10,03	11,12	9,72		
Temperature operating field	Indoor WB	°C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
	Outdoor DB	°C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52
Heating	Capacity*2	kW	25	31,5	37,5	45	50	56	63	50	56
	Power input	kW	4,5	5,86	7,51	9,86	12,4	13,02	13,57	9,27	10,58
	COP		5,55	5,37	4,99	4,56	4,03	4,3	4,64	5,39	5,29
	SCOP		4,82	4,52	4,3	4,12	4,11	3,88	3,8	4,67	4,51
	Temperature operating field	Indoor WB	°C	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27
Outdoor DB		°C	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5
Sound power level*3	dB(A)		58/59	60/61	61/64,5	62/63,5	65/65,5	65,5/69,5	63,5/66,5	61/62	62/63
Connectable indoor units	Total capacity		50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI	P15-P250/1-17	P15-P250/1-21	P15-P250/1-26	P15-P250/1-30	P15-P250/1-34	P15-P250/1-39	P15-P250/1-43	P15-P250/1-34	P15-P250/1-39
Ø Ref. piping diameter	Liquid	mm	9,52	9,52	9,52	12,7	12,7	15,88	15,88	12,7	15,88
	Gas	mm	22,2	22,2	28,58	28,58	28,58	28,58	28,58	28,58	28,58
Fan	Type x quantity		Propoeller fan x 1	Propoeller fan x 1	Propoeller fan x 1	Propoeller fan x 2	Propoeller fan x 2	Propoeller fan x 2	Propoeller fan x 2	Propoeller fan x 2	Propoeller fan x 2
	Air flow	m³/min	170	185	240	270	270	305	365	170	170
Compressor	Type		Scroll ermetico inverter								
	Motor output	kW	5,6	7	7,9	9,8	10,9	12,4	13,3	5,6	5,6
External dimentions	(HxLxD)	mm	1858x920 x740	1858x920 x740	1858x920 x740	1858x1240 x740	1858x1240 x740	1858x1240 x740	1858x1750 x740	1858x920x740 1858x920x740	1858x920x740 1858x920x740
Net weight		kg	231	231	235	285	305	305	342	462	462
Ref. Charge R410**/CO ₂ Eq	Ref. Charge R410**/CO ₂ Eq	kg	6,5	6,5	6,5	9,8	10,8	10,8	10,8	13	13
	CO ₂ eq.*4	Tons	13,57	13,57	13,57	20,46	22,55	22,55	22,55	27,14	27,14

Technical specifications

MODEL			PUHY-EP500Y-SNW-A	PUHY-EP550Y-SNW-A	PUHY-EP600Y-SNW-A	PUHY-EP650Y-SNW-A	PUHY-EP700Y-SNW-A	PUHY-EP750Y-SNW-A	PUHY-EP800Y-SNW-A	PUHY-EP850Y-SNW-A	PUHY-EP900Y-SNW-A	
Modules			PUHY-EP250YNW-A PUHY-EP250YNW-A	PUHY-EP250YNW-A PUHY-EP300YNW-A	PUHY-EP300YNW-A PUHY-EP300YNW-A	PUHY-EP250YNW-A PUHY-EP400YNW-A	PUHY-EP350YNW-A PUHY-EP350YNW-A	PUHY-EP350YNW-A PUHY-EP400YNW-A	PUHY-EP350YNW-A PUHY-EP450YNW-A	PUHY-EP350YNW-A PUHY-EP450YNW-A	PUHY-EP400YNW-A PUHY-EP450YNW-A	PUHY-EP450YNW-A PUHY-EP450YNW-A
Power supply	V/Hz/n°		3-fase 380-415V 50Hz									
Cooling	Capacity*1	kW	56	63	69	73	80	85	90	96	101	
	Power input	kW	11,31	13,1	14,75	16,32	18	19,75	20,45	22,4	23,1	
	EER		4,95	4,8	4,67	4,47	4,44	4,3	4,4	4,28	4,37	
	SEER		8,98	8,79	8,64	8,53	8,45	8,43	8,44	8,49	8,5	
	Temperature operating field	Indoor WB	°C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
Outdoor DB		°C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	
Heating	Capacity*2	kW	63	69	76,5	81,5	88	95	100	108	113	
	Power input	kW	12,09	13,77	15,79	18,47	19,85	22,88	23,3	26,66	27,07	
	COP		5,21	5,01	4,84	4,41	4,43	4,15	4,29	4,05	4,17	
	SCOP		4,39	4,27	4,13	4,15	4,02	4	3,88	3,85	3,76	
	Temperature operating field	Indoor WB	°C	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27
Outdoor DB		°C	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	
Sound power level*3	dB(A)		63/64	63,5/66	64/67,5	66,5/67	65/66,5	67/67,5	67,5/70,5	68,5/71	68,5/72,5	
Connectable indoor units	Total capacity		50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	
	Model/Quantity	CITY MULTI	P15-P250/ 1-43	P15-P250/ 2-47	P15-P250/ 2-50	P15-P250/ 2-50	P15-P250/ 2-50	P15-P250/ 2-50	P15-P250/ 2-50	P15-P250/ 2-50	P15-P250/ 2-50	
Ø Ref. piping diameter	Liquid	mm	15,88	15,88	15,88	15,88	19,05	19,05	19,05	19,05	19,05	
	Gas	mm	28,58	28,58	28,58	28,58	34,93	34,93	34,93	41,28	41,28	
Fan	Type x quantity		Propoeller fan x 2	Propoeller fan x 2	Propoeller fan x 2	Propoeller fan x 3	Propoeller fan x 4	Propoeller fan x 4	Propoeller fan x 4	Propoeller fan x 4	Propoeller fan x 4	
	Air flow	m³/min	185	185	240	185	270	270	270	270	305	
Compressor	Type		Scroll ermetico inverter									
	Motor output	kW	7	7,9	7,9	7	9,8	9,8	9,8	10,9	12,4	
External dimentions	(HxLxD)	mm	1858x920x740 1858x920x740	1858x920x740 1858x920x740	1858x920x740 1858x920x740	1858x920 x740 1858x1240 x740	1858x1240 x740 1858x1240 x740	1858x1240 x740 1858x1240 x740	1858x1240 x740 1858x1240 x740	1858x1240 x740 1858x1240 x740	1858x1240 x740 1858x1240 x740	
Net weight		kg	462	466	470	536	570	590	590	610	610	
Ref. Charge R410**/CO ₂ Eq	Ref. Charge R410**/CO ₂ Eq	kg	13	13	13	17,3	19,6	20,6	20,6	21,6	21,6	
	CO ₂ eq.*4	Tons	27,14	27,14	27,14	36,12	40,92	43,01	43,01	45,1	45,1	

*1 Nominal cooling conditions: Indoor: 27°C DB / 19°C WB. Outdoor 35°C DB. Piping length 7.5 m, vertical difference 0 m.

*2 Nominal heating conditions: Indoor 20°C DB. Outdoor 7°C DB / 6°C WB. Piping length 7.5 m, vertical difference 0 m.

*3 Values measured in anechoic chamber (Cooling mode/Heating mode)

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

The SEER and SCOP data are based on the EN14825 measurement standard

Technical specifications

MODEL			PUHY-EP950Y-SNW-A	PUHY-EP1000Y-SNW-A	PUHY-EP1050Y-SNW-A	PUHY-EP1100Y-SNW-A	PUHY-EP1150Y-SNW-A	PUHY-EP1200Y-SNW-A	PUHY-EP1250Y-SNW-A	PUHY-EP1300Y-SNW-A	PUHY-EP1350Y-SNW-A
Modules			PUHY-EP250YNW-A PUHY-EP350YNW-A PUHY-EP350YNW-A	PUHY-EP250YNW-A PUHY-EP350YNW-A PUHY-EP400YNW-A	PUHY-EP250YNW-A PUHY-EP400YNW-A PUHY-EP400YNW-A	PUHY-EP350YNW-A PUHY-EP350YNW-A PUHY-EP400YNW-A	PUHY-EP350YNW-A PUHY-EP400YNW-A PUHY-EP400YNW-A	PUHY-EP400YNW-A PUHY-EP400YNW-A PUHY-EP400YNW-A	PUHY-EP400YNW-A PUHY-EP400YNW-A PUHY-EP450YNW-A	PUHY-EP400YNW-A PUHY-EP450YNW-A PUHY-EP450YNW-A	PUHY-EP450YNW-A PUHY-EP450YNW-A PUHY-EP450YNW-A
Power supply	V/Hz/n°		3-phase 380-415V 50Hz								
Cooling	Capacity*1	kW	108	113	118	124	130	136	140	146	150
	Power input	kW	23,62	25,33	27,05	28,56	30,56	32,58	32,98	33,85	34,3
	EER		4,57	4,46	4,36	4,34	4,25	4,17	4,24	4,31	4,37
	SEER		8,58	8,57	8,54	8,4	8,39	8,38	8,38	8,4	8,41
	Temperature operating field	Indoor WB °C Outdoor DB °C	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52
Heating	Capacity*2	kW	119,5	127	132	140	145	150	156,5	163	168
	Power input	kW	25,79	28,7	31,26	33	35,6	38,34	39	39,81	40,24
	COP		4,63	4,42	4,22	4,24	4,07	3,91	4,01	4,09	4,17
	SCOP		4,11	4,09	4,09	4	4	4	3,91	3,83	3,77
	Temperature operating field	Indoor WB °C Outdoor DB °C	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5
Sound power level*3	dB(A)		66/67,5	68/68,5	68,5/69	68,5/69	69/69,5	70/70,5	70/72	70/73,5	70,5/74,5
Connectable indoor units	Total capacity		50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI	P15-P250/ 2-50	P15-P250/ 2-50	P15-P250/ 3-50	P15-P250/ 3-50	P15-P250/ 3-50	P15-P250/ 3-50	P15-P250/ 3-50	P15-P250/ 3-50	P15-P250/ 3-50
Ø Ref. piping diameter	Liquid	mm	19,05	19,05	19,05	19,05	19,05	19,05	19,05	19,05	19,05
	Gas	mm	41,28	41,28	41,28	41,28	41,28	41,28	41,28	41,28	41,28
Fan	Type x quantity		Propoeller fan x 5	Propoeller fan x 5	Propoeller fan x 5	Propoeller fan x 6	Propoeller fan x 6	Propoeller fan x 6	Propoeller fan x 6	Propoeller fan x 6	Propoeller fan x 6
	Air flow	m³/min	185	185	185	270	270	270	270	270	305
			270	270	270	270	270	270	270	305	305
Compressor	Type		Scroll ermetico inverter								
	Motor output	kW	7	7	7	9,8	9,8	9,8	10,9	10,9	10,9
			9,8	10,9	10,9	10,9	10,9	10,9	10,9	12,4	12,4
External dimensions (HxLxD)	mm	1858x920x740	1858x920x740	1858x920x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740
		1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740
		1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1240x740
Net weight	kg	801	821	841	875	895	915	915	915	915	
Ref. Charge R410**/CO ₂ Eq	Ref. Charge R410**/CO ₂ Eq	kg	26,1	27,1	28,1	30,4	31,4	32,4	32,4	32,4	32,4
	CO ₂ eq.*4	Tons	54,5	56,58	58,67	63,47	65,56	67,65	67,65	67,65	67,65

*1 Nominal cooling conditions: Indoor: 27°C DB / 19°C WB. Outdoor 35°C DB. Piping length 7.5 m, vertical difference 0 m.

*2 Nominal heating conditions: Indoor 20°C DB. Outdoor 7°C DB / 6°C WB. Piping length 7.5 m, vertical difference 0 m.

*3 Values measured in anechoic chamber (Cooling mode/Heating mode)

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

The SEER and SCOP data are based on the EN14825 measurement standard

R2 NEXT STAGE LINE

OUTDOOR UNITS - PURY-(E)P Y(S)NW-A



NEW FOUR-SIDED BATTERY

STATIC PRESSURE OF FAN INCREASED UP TO 80 PA.

STATIC PRESSURE OF FAN INCREASED UP TO 80 PA.

CITY MULTI

NEW FAN WITH LOW FRICTION PROFILE

COMPRESSOR OPTIMISED WITH "MULTI-PORT" TECHNOLOGY

NEW AUTO-SHIFT MODE

NEW AUTO-SHIFT MODE PREHEAT DEFROST FUNCTION

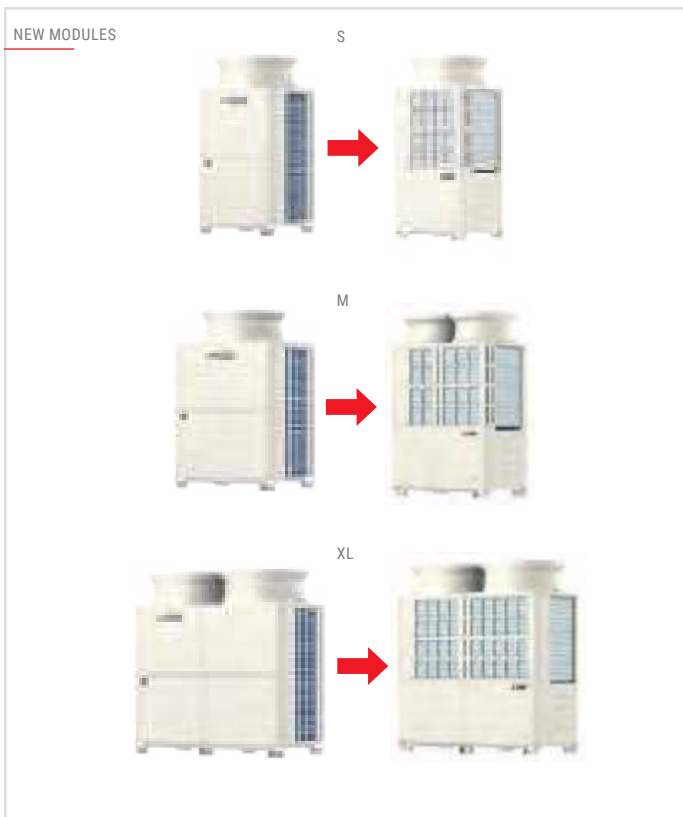
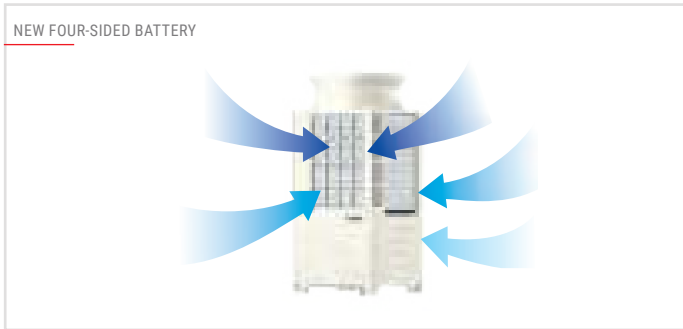
ADVANCED ETC CONTROL OF EVAPORATION TEMPERATURE.

FLEXIBLE NOISE SETTING



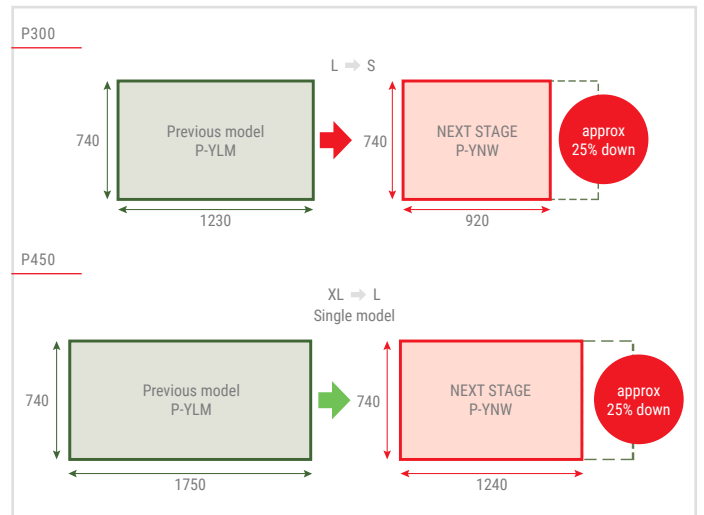
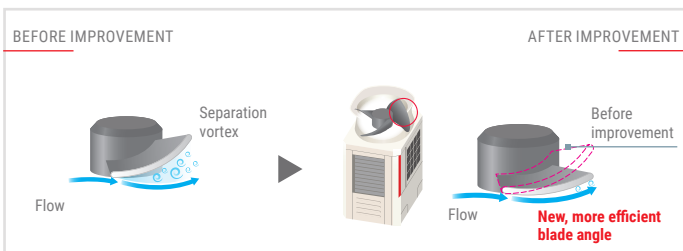
New design

The new outdoor units of the YNW series use a four-sided heat exchanger close to the top of the case near the fan. This technological and construction choice makes it possible to increase heat exchange efficiency.



New fan with new blade profile

The fan of the new YNW series has been completely redesigned to fit with the new four-sided battery. The profile of the fins has been optimised to minimise fluid flow losses.



Energy saving

Energy efficiency has been further improved compared to YLM units and now hits top of the range performance values. SEER values have been raised by 139% (P500) compared to the previous model and SCOP values by 49% (P300 and P500). This allows the new YNW units to consume less energy in both cooling and heating. All year-round saving.

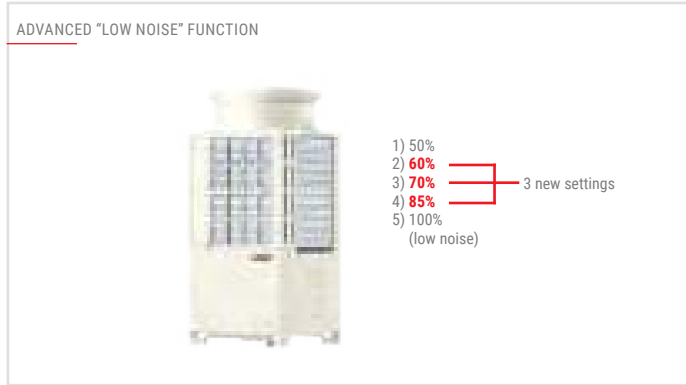


Single module

		Previous model	YNW
8HP	P200	S	S
10HP	P250	S	S
12HP	P300	L	S
14HP	P350	L	L
16HP	P400	L	L
18HP	P450	XL	L
20HP	P500	XL	XL

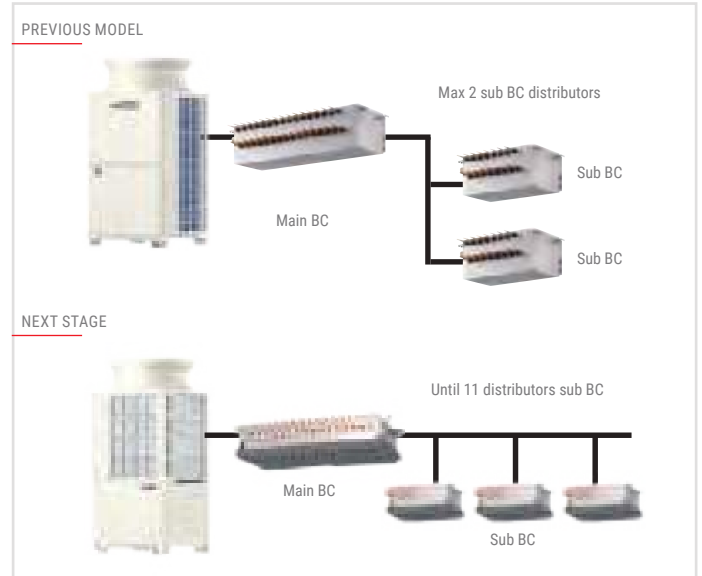
Advanced "Low Noise" function

Low noise" mode can now be selected using five different settings: 85%, 70%, 60% and 50% (values referring to ventilation speed). Noise reduction is directly configurable from the control board of the outdoor unit. Different settings can be selected depending on the installation requirements (in applications with special noise constraints).



New BC distributor

Increased number of connections (for systems with BC SUB distributor) and increased geometric limits. In the R2 heat recovery systems of the new YNW line, up to 11 BC SUB distributors can be connected to the BC Main distributor, thus allowing greater flexibility of configuration. The adoption of the new architecture allows a reduction of the refrigerant charge in the system.



Key Technologies

Technical specifications

MODEL		PURY-P200YNW-A(-BS)	PURY-P250YNW-A(-BS)	PURY-P300YNW-A(-BS)	PURY-P350YNW-A(-BS)	PURY-P400YNW-A(-BS)	PURY-P450YNW-A(-BS)	PURY-P500YNW-A(-BS)	PURY-P550YNW-A(-BS)	
HP		8	10	12	14	16	18	20	22	
Modules		PURY-P200YNW-A	PURY-P250YNW-A	PURY-P300YNW-A	PURY-P350YNW-A	PURY-P400YNW-A	PURY-P450YNW-A	PURY-P500YNW-A	PURY-P550YNW-A	
Power supply	V/Hz/n°	3-phase 380-415V 50Hz								
Cooling	Capacity*1	kW	22,4	28	33,5	40	45	50	56	63
	Power input	kW	4,43	5,97	7,54	10,04	11,59	12,37	12,72	16,03
	EER		5,05	4,69	4,44	3,98	3,88	4,04	4,4	3,93
	SEER		7,79	7,98	7,5	7,53	7,15	7,28	7	6,7
	ESEER		12,68	13,45	9,92	10,92	8,51	9,72	9,34	9,00
	Temperature operating field	Indoor WB °C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
	Outdoor DB °C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	
Heating	Capacity*2	kW	25	31,5	37,5	45	50	56	63	69
	Power input	kW	4,71	6,06	8,38	10,68	13,65	13,48	15,28	17,91
	COP		5,3	5,19	4,47	4,21	3,66	4,15	4,12	3,85
	SCOP		4,43	4,37	4,24	3,96	3,76	3,66	3,67	3,53
	Temperature operating field	Indoor WB °C	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27
		Outdoor DB °C	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5
Sound power level*3										
Connectable indoor units	Total capacity		50-150%	50-150%	50-150%	50-150%	50-150%	50-150%	50-150%	
	Model/Quantity	CITY MULTI	P15-P250/1-20	P15-P250/1-25	P15-P250/1-30	P15-P250/1-35	P15-P250/1-40	P15-P250/1-45	P15-P250/1-50	P15-P250/2-50
Ø Ref. piping diameter	Liquid	mm	15,88	19,05	19,05	19,05	22,2	22,2	22,2	22,2
	Gas	mm	19,05	22,2	22,2	28,58	28,58	28,58	28,58	28,58
Fan	Type x quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow	m³/min	170	185	240	250	315	315	295	410
Compressor	Type		Scroll ermetico inverter							
	Motor output	kW	5,6	7	7,9	10,2	10,9	12,4	13	14,3
External dimensions (HxLxD)	mm	1858x920x740	1858x920x740	1858x920x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1750x740	1858x1750x740	
Net weight	kg	229	229	231	273	273	293	337	337	
Ref. Charge R410*4/CO2 Eq	Ref. Charge R410*4/CO2 Eq	kg	5,2	5,2	5,2	8	8	10,8	10,8	10,8
	CO ₂ eq.*4	Tons	10,86	10,86	10,86	16,7	16,7	22,55	22,55	22,55

Technical specifications

MODEL		PURY-P400YSNW-A(-BS)	PURY-P450YSNW-A(-BS)	PURY-P500YSNW-A(-BS)	PURY-P550YSNW-A(-BS)	PURY-P600YSNW-A(-BS)	PURY-P650YSNW-A(-BS)	PURY-P700YSNW-A(-BS)	PURY-P750YSNW-A(-BS)	
HP		16	18	20	22	24	26	28	30	
Modules		PURY-P200YNW-A PURY-P200YNW-A	PURY-P200YNW-A PURY-P250YNW-A	PURY-P250YNW-A PURY-P250YNW-A	PURY-P250YNW-A PURY-P300YNW-A	PURY-P300YNW-A PURY-P300YNW-A	PURY-P300YNW-A PURY-P350YNW-A	PURY-P350YNW-A PURY-P350YNW-A	PURY-P350YNW-A PURY-P400YNW-A	
Power supply	V/Hz/n°	3-phase 380-415V 50Hz								
Cooling	Capacity*1	kW	45	50	56	63	69	73	80	85
	Power input	kW	9,17	10,59	12,29	14,45	16,62	18,19	20,72	22,3
	EER		4,9	4,72	4,55	4,35	4,15	4,01	3,86	3,81
	SEER		7,71	7,78	7,87	7,58	7,34	7,34	7,45	7,24
	Temperature operating field	Indoor WB °C Outdoor DB °C	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52
Heating	Capacity*2	kW	50	56	63	69	76,5	81,5	88	95
	Power input	kW	9,72	10,99	12,51	14,7	17,62	19,35	21,56	24,86
	COP		5,14	5,09	5,03	4,69	4,34	4,21	4,08	3,82
	SCOP		4,31	4,29	4,25	4,18	4,09	3,99	3,88	3,75
	Temperature operating field	Indoor WB °C Outdoor DB °C	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5
Sound power level*3		dB(A)	62/62	63/63,5	63,5/64	64/68	64/70	65/69	65,5/67	67/70,5
Connectable indoor units	Total capacity		50-150%	50-150%	50-150%	50-150%	50-150%	50-150%	50-150%	50-150%
	Model/Quantity	CITY MULTI	P15-P250/1-40	P15-P250/1-45	P15-P250/1-50	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50
Ø Ref. piping diameter	Liquid	mm	22,2	22,2	22,2	22,2	22,2	28,58	28,58	28,58
	Gas	mm	28,58	28,58	28,58	28,58	28,58	28,58	34,93	34,93
Fan	Type x quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 3	Propeller fan x 4	Propeller fan x 4
	Air flow	m³/min	170 170	170 185	185 185	185 240	240 240	240 250	250 250	250 315
Compressor	Type		Scroll ermetico inverter							
	Motor output	kW	5,6 5,6	5,6 7	7 7	7 7,9	7,9 7,9	7,9 10,2	10,2 10,2	10,2 10,9
External dimensions	(HxLxD)	mm	1858x920x740 1858x920x740	1858x920x740 1858x920x740	1858x920x740 1858x920x740	1858x920x740 1858x920x740	1858x920x740 1858x920x740	1858x920x740 1858x1240x740	1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740
Net weight		kg	458	458	458	460	462	504	546	546
Ref. Charge R410**/CO ₂ Eq	Ref. Charge R410**/CO ₂ Eq	kg	10,4	10,4	10,4	10,4	10,4	13,2	16	16
	CO ₂ eq.**4	Tons	21,72	21,72	21,72	21,72	21,72	27,56	33,4	33,4

Technical specifications

MODEL		PURY-P800YSNW-A(-BS)	PURY-P850YSNW-A(-BS)	PURY-P900YSNW-A(-BS)	PURY-P950YSNW-A(-BS)	PURY-P1000YSNW-A(-BS)	PURY-P1050YSNW-A(-BS)	PURY-P1100YSNW-A(-BS)		
HP		32	34	36	38	40	42	44		
Modules		PURY-P400YNW-A PURY-P400YNW-A	PURY-P400YNW-A PURY-P450YNW-A	PURY-P450YNW-A PURY-P450YNW-A	PURY-P450YNW-A PURY-P500YNW-A	PURY-P500YNW-A PURY-P500YNW-A	PURY-P500YNW-A PURY-P550YNW-A	PURY-P550YNW-A PURY-P550YNW-A		
Power supply	V/Hz/n°	3-phase 380-415V 50Hz								
Cooling	Capacity*1	kW	90	96	101	108	113	118	124	
	Power input	kW	23,93	24,99	25,76	26,4	26,45	29,2	32,54	
	EER		3,76	3,84	3,92	4,09	4,27	4,04	3,81	
	SEER		7,05	7,16	7,22	7,08	6,93	6,76	6,61	
	Temperature operating field	Indoor WB °C Outdoor DB °C	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	+15~+24 -5~+52	
Heating	Capacity*2	kW	100	108	113	119,5	127	132	140	
	Power input	kW	28,16	28,49	28,03	29,79	31,74	34,1	37,52	
	COP		3,55	3,79	4,03	4,01	4	3,87	3,73	
	SCOP		3,67	3,59	3,55	2,56	3,55	3,51	3,5	
	Temperature operating field	Indoor WB °C Outdoor DB °C	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	+15~+27 -20~+15,5	
Sound power level*3		dB(A)	68/72	68,5/72,5	68,5/73	68/71,5	66,5/67,5	68/73	69/73	
Connectable indoor units	Total capacity		50-150%	50-150%	50-150%	50-150%	50-150%	50-150%	50-150%	
	Model/Quantity	CITY MULTI	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50	P15-P250/3-50	P15-P250/3-50	
Ø Ref. piping diameter	Liquid	mm	28,58	28,58	28,58	28,58	28,58	34,93	34,93	
	Gas	mm	34,93	41,28	41,28	41,28	41,28	41,28	41,28	
Fan	Type x quantity		Propeller fan x 4	Propeller fan x 4	Propeller fan x 4	Propeller fan x 4	Propeller fan x 4	Propeller fan x 4	Propeller fan x 4	
	Air flow	m³/min	315 315	315 315	315 295	315 295	295 295	295 410	410 410	
Compressor	Type		Scroll ermetico inverter							
	Motor output	kW	10,9 10,9	10,9 12,4	12,4 12,4	12,4 13	13 13	13 14,3	14,3 14,3	
External dimensions	(HxLxD)	mm	1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740	1858x1240x740 1858x1750x740	1858x1750x740 1858x1750x740	1858x1750x740 1858x1750x740	1858x1750x740 1858x1750x740	
Net weight		kg	546	566	586	630	674	674	674	
Ref. Charge R410**/CO ₂ Eq	Ref. Charge R410**/CO ₂ Eq	kg	16	18,8	21,6	21,6	21,6	21,6	21,6	
	CO ₂ eq.**4	Tons	33,4	39,25	45,1	45,1	45,1	45,1	45,1	

*1 Nominal cooling conditions: Indoor: 27°C DB / 19°C WB. Outdoor 35°C DB. Piping length 7.5 m, vertical difference 0 m.

*2 Nominal heating conditions: Indoor 20°C DB. Outdoor 7°C DB / 6°C WB. Piping length 7.5 m, vertical difference 0 m.

*3 Values measured in anechoic chamber (Cooling mode/Heating mode)

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

The SEER and SCOP data are based on the EN14825 measurement standard

Technical specifications

MODEL			PURY-EP200YNW-A	PURY-EP250YNW-A	PURY-EP300YNW-A	PURY-EP350YNW-A	PURY-EP400YNW-A	PURY-EP450YNW-A	PURY-EP500YNW-A	PURY-EP550YNW-A
HP			8	10	12	14	16	18	20	22
Modules			PURY-EP200YNW-A	PURY-EP250YNW-A	PURY-EP300YNW-A	PURY-EP350YNW-A	PURY-EP400YNW-A	PURY-EP450YNW-A	PURY-EP500YNW-A	PURY-EP550YNW-A
Power supply	V/Hz/n°		3-phase 380-415V 50Hz							
Cooling	Capacity*1	kW	22,4	28	33,5	40	45	50	56	63
	Power input	kW	4,23	5,62	7,39	8,81	11,33	10,72	12,69	15,98
	EER		5,29	4,98	4,53	4,54	3,97	4,66	4,41	3,94
	SEER		8,44	8,67	8,16	8,4	7,86	7,75	7,61	7,3
	ESEER		13,68	13,51	11,11	11,78	9,65	10,15	9,38	9,28
Temperature operating field	Indoor WB	°C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
	Outdoor DB	°C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52
Heating	Capacity*2	kW	25	31,5	37,5	45	50	56	63	69
	Power input	kW	4,57	5,98	8,36	10,24	12,98	13,14	14,21	17,59
	COP		5,47	5,26	4,48	4,39	3,85	4,26	4,43	3,92
	SCOP		4,67	4,49	4,22	4,1	4,05	3,86	3,77	3,6
	Temperature operating field	Indoor WB	°C	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27
Outdoor DB		°C	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5
Sound power level*3	dB(A)		59/59	60,5/61	61/67	62,5/64	65/69	65,5/70	63,5/64,5	66/70
Connectable indoor units	Total capacity		50-150%	50-150%	50-150%	50-150%	50-150%	50-150%	50-150%	50-150%
	Model/Quantity	CITY MULTI	P15-P250/1-20	P15-P250/1-25	P15-P250/1-30	P15-P250/1-35	P15-P250/1-40	P15-P250/1-45	P15-P250/1-50	P15-P250/2-50
Ø Ref. piping diameter	Liquid	mm	15,88	19,05	19,05	19,05	22,2	22,2	22,2	22,2
	Gas	mm	19,05	22,2	22,2	28,58	28,58	28,58	28,58	28,58
Fan	Type x quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow	m³/min	170	185	240	250	315	315	295	410
Compressor	Type		Scroll ermetico inverter							
	Motor output	kW	5,6	7	7,9	10,2	10,9	12,4	13	14,3
External dimentions	(HxLxD)	mm	1858x920x740	1858x920x740	1858x920x740	1858x1240x740	1858x1240x740	1858x1240x740	1858x1750x740	1858x1750x740
Net weight		kg	234	234	236	279	282	306	345	345
Ref. Charge R410*4/ CO ₂ Eq	Ref. Charge R410*4/CO ₂ Eq	kg	5,2	5,2	5,2	8	8	10,8	10,8	10,8
	CO ₂ eq.*4	Tons	10,86	10,86	10,86	16,7	16,7	22,55	22,55	22,55

Technical specifications

MODEL			PURY-EP400Y-SNW-A	PURY-EP450Y-SNW-A	PURY-EP500Y-SNW-A	PURY-EP550Y-SNW-A	PURY-EP600Y-SNW-A	PURY-EP650Y-SNW-A	PURY-EP700Y-SNW-A	PURY-EP750Y-SNW-A
HP			16	18	20	22	24	26	28	30
Modules			PURY-EP200YNW-A PURY-EP200YNW-A	PURY-EP200YNW-A PURY-EP250YNW-A	PURY-EP250YNW-A PURY-EP250YNW-A	PURY-EP250YNW-A PURY-EP300YNW-A	PURY-EP300YNW-A PURY-EP300YNW-A	PURY-EP300YNW-A PURY-EP350YNW-A	PURY-EP350YNW-A PURY-EP350YNW-A	PURY-EP350YNW-A PURY-EP400YNW-A
Power supply	V/Hz/n°		3-phase 380-415V 50Hz							
Cooling	Capacity*1	kW	45	50	56	63	69	73	80	85
	Power input	kW	8,77	10,04	11,59	13,66	15,71	16,59	18,18	20,58
	EER		5,13	4,98	4,83	4,61	4,39	4,4	4,4	4,13
	SEER		8,35	8,43	8,54	8,29	8,02	8,1	8,31	8,03
	Temperature operating field	Indoor WB	°C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
Outdoor DB		°C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52
Heating	Capacity*2	kW	50	56	63	69	76,5	81,5	88	95
	Power input	kW	9,42	10,76	12,34	14,61	17,58	18,94	20,65	23,74
	COP		5,3	5,2	5,1	4,72	4,35	4,3	4,26	4
	SCOP		4,53	4,47	4,36	4,23	4,07	4,06	4,01	3,96
	Temperature operating field	Indoor WB	°C	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27
Outdoor DB		°C	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5
Sound power level*3	dB(A)		62/62	63/63,5	63,5/64	64/68	64/70	65/69	65,5/67	67/70,5
Connectable indoor units	Total capacity		50-150%	50-150%	50-150%	50-150%	50-150%	50-150%	50-150%	50-150%
	Model/Quantity	CITY MULTI	P15-P250/1-40	P15-P250/1-45	P15-P250/1-50	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50
Ø Ref. piping diameter	Liquid	mm	22,2	22,2	22,2	22,2	22,2	28,58	28,58	28,58
	Gas	mm	28,58	28,58	28,58	28,58	28,58	28,58	34,93	34,93
Fan	Type x quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 3	Propeller fan x 4	Propeller fan x 4
	Air flow	m³/min	170 170	170 185	185 185	185 240	240 240	240 250	250 250	250 315
Compressor	Type		Scroll ermetico inverter							
	Motor output	kW	5,6 7	7 7	7 7,9	7,9 7,9*	7,9 10,2	10,2 10,2	10,2 10,9	10,2 10,9
External dimentions	(HxLxD)	mm	1858x920x740 1858x920x740	1858x920x740 1858x920x740	1858x920x740 1858x920x740	1858x920x740 1858x920x740	1858x920x740 1858x920x740	1858x920x740 1858x1240x740	1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740
Net weight		kg	468	468	468	470	472	515	558	561
Ref. Charge R410*4/ CO ₂ Eq	Ref. Charge R410*4/CO ₂ Eq	kg	10,4	10,4	10,4	10,4	10,4	13,2	16	16
	CO ₂ eq.*4	Tons	21,72	21,72	21,72	21,72	21,72	27,56	33,4	33,4

Technical specifications

MODEL		PURY-EP808YSNW-A	PURY-EP858YSNW-A	PURY-EP908YSNW-A	PURY-EP958YSNW-A	PURY-EP1008YSNW-A	PURY-EP1058YSNW-A	PURY-EP1108YSNW-A	
HP		32	34	36	38	40	42	44	
Modules		PURY-EP400YNW-A PURY-EP400YNW-A	PURY-EP400YNW-A PURY-EP450YNW-A	PURY-EP450YNW-A PURY-EP450YNW-A	PURY-EP450YNW-A PURY-EP500YNW-A	PURY-EP500YNW-A PURY-EP500YNW-A	PURY-EP500YNW-A PURY-EP550YNW-A	PURY-EP550YNW-A PURY-EP550YNW-A	
Power supply	V/Hz/n°	3-phase 380-415V 50Hz							
Cooling	Capacity*1	kW	90	96	101	108	113	118	124
	Power input	kW	23,37	22,91	22,34	24,54	26,4	29,13	32,46
	EER		3,85	4,19	4,52	4,4	4,28	4,05	3,82
	SEER		7,76	7,75	7,7	7,63	7,54	7,36	7,21
	Temperature operating field	Indoor WB °C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
	Outdoor DB °C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52	
Heating	Capacity*2	kW	100	108	113	119,5	127	132	140
	Power input	kW	26,8	27,47	27,35	28,37	29,52	32,58	36,83
	COP		3,73	3,93	4,13	4,21	4,3	4,05	3,8
	SCOP		3,93	3,82	3,73	3,7	3,65	3,58	3,52
	Temperature operating field	Indoor WB °C	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27	+15~+27
	Outdoor DB °C	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	-20~+15,5	
Sound power level*3		dB(A)	68/72	68,5/72,5	68,5/73	68/71,5	66,5/67,5	68/73	69/73
Connectable indoor units	Total capacity		50-150%	50-150%	50-150%	50-150%	50-150%	50-150%	50-150%
	Model/Quantity	CITY MULTI	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50	P15-P250/3-50	P15-P250/3-50
Ø Ref. piping diameter	Liquid	mm	28,58	28,58	28,58	28,58	28,58	34,93	34,93
	Gas	mm	34,93	41,28	41,28	41,28	41,28	41,28	41,28
Fan	Type x quantity		Propeller fan x 4						
	Air flow	m³/min	315 315	315 315	315 315	315 295	295 295	295 410	410 410
Compressor	Type		Inverter scroll hermetic						
	Motor output	kW	10,9 10,9	10,9 12,4	12,4 12,4	12,4 13	13 13	13 14,3	14,3 14,3
External dimensions	(HxLxD)	mm	1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740	1858x1240x740 1858x1240x740	1858x1240x740 1858x1750x740	1858x1750x740 1858x1750x740	1858x1750x740 1858x1750x740	1858x1750x740 1858x1750x740
Net weight		kg	564	588	612	651	690	690	690
Ref. Charge R410*/CO ₂ Eq	Ref. Charge R410*/CO ₂ Eq	kg	16	18,8	21,6	21,6	21,6	21,6	21,6
	CO ₂ eq.*4	Tons	33,4	39,25	45,1	45,1	45,1	45,1	45,1

*1 Nominal cooling conditions: Indoor: 27°C DB / 19°C WB. Outdoor 35°C DB. Piping length 7.5 m, vertical difference 0 m.

*2 Nominal heating conditions: Indoor 20°C DB. Outdoor 7°C DB / 6°C WB. Piping length 7.5 m, vertical difference 0 m.

*3 Values measured in anechoic chamber (Cooling mode/Heating mode)

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

The SEER and SCOP data are based on the EN14825 measurement standard

Y ZUBADAN LINE

OUTDOOR UNITS - Heat Pump PUHY-HP Y(S)HM-A



"FLASH INJECTION
CIRCUIT" TECHNOLOGY

STABLE HEATING
PERFORMANCE EVEN AT
-15°C

EXPANDED HEATING
OPERATION DOWN TO
-25°C

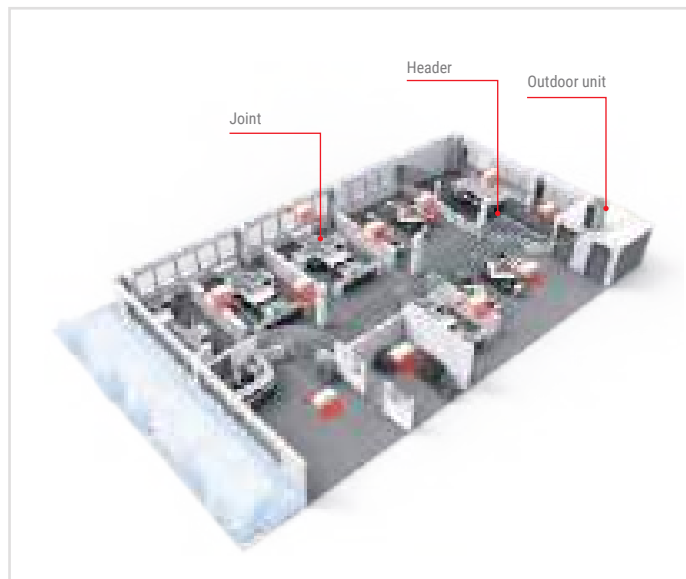
SHORTER WARM-UP IN
ABOUT 20 MIN.

HIGHLY OPTIMIZED
DEFROST



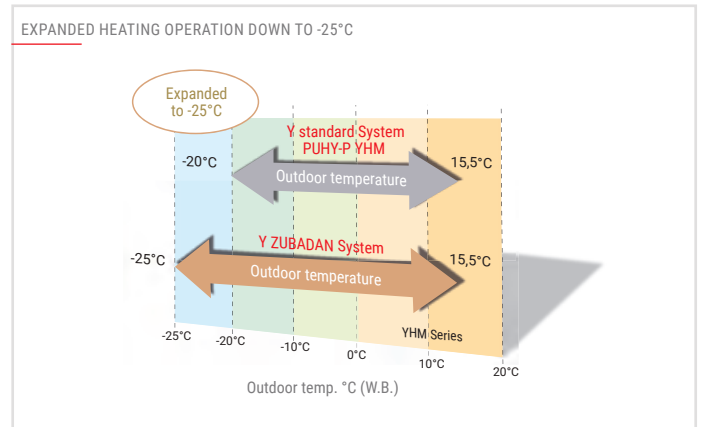
Y ZUBADAN Line

LINEA Zubadan CITY MULTI ZUBADAN line combines the ultimate in application flexibility and powerful cooling and heating capabilities to deliver precise comfort even in the coldest days of the year down to -25°C. The technology behind this is a Flash Injection circuit which provides optimum amount of refrigerant to the system via a compressor through a specially designed injection port to ensure a particularly stable operation. With this, ZUBADAN can provide a full heating performance even at -15°C and continuous heating for up to 250 minutes in one continuous cycle, ensuring a phenomenal heating performance at low temperatures.



Expanded Heating Operation down to -25°C

Furthermore, from a previous LOWEST operating ambient temperature of -20°C, the ZUBADAN System pushes the boundaries of technology to give heating in ambient temperatures as low as -25°C.

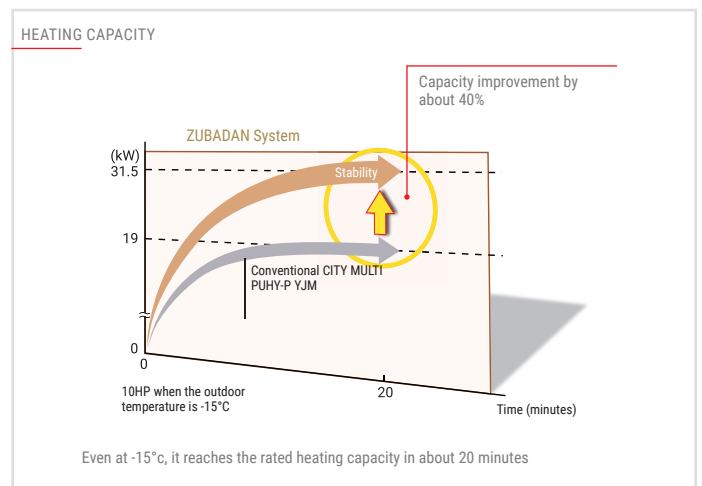
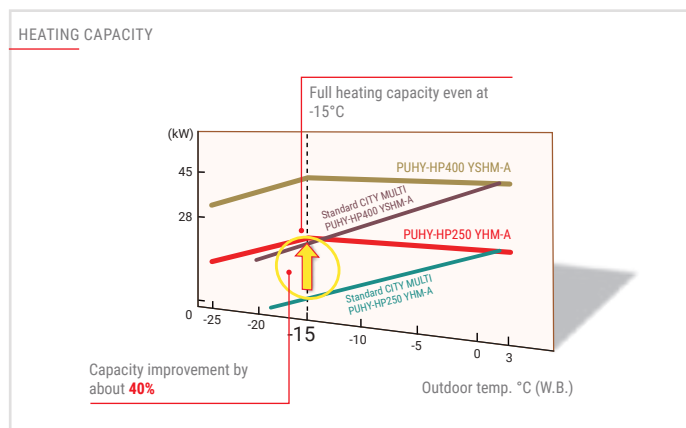


Shorter Warm-up in about 20 Min.

With its new improved startup performance, the ZUBADAN system achieves full heating capacity even when outdoor temperature is as low as -15°C. Heating capacity, about 20 minutes after startup is improved by 40% compared to the conventional model; ensuring occupants an immediate comfortable air solution.

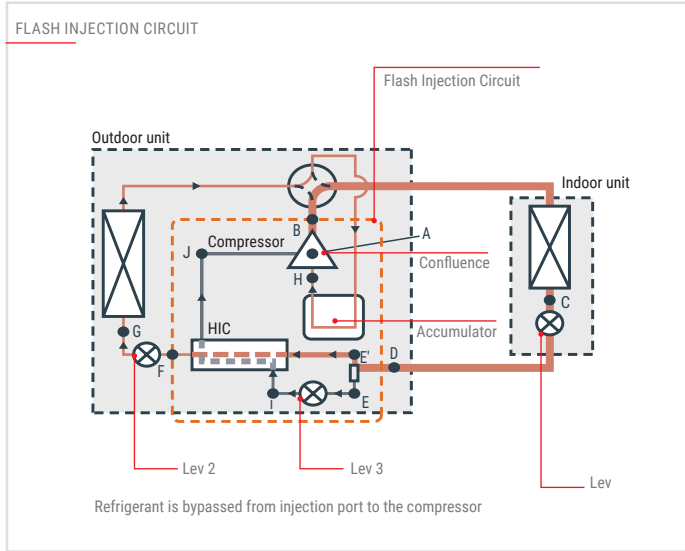
Stable Heating Performance even at -15°C

Using an industry first "Flash-injection Circuit", the ZUBADAN System is able to provide FULL heating performance in ambient temperatures as low as -15°C.



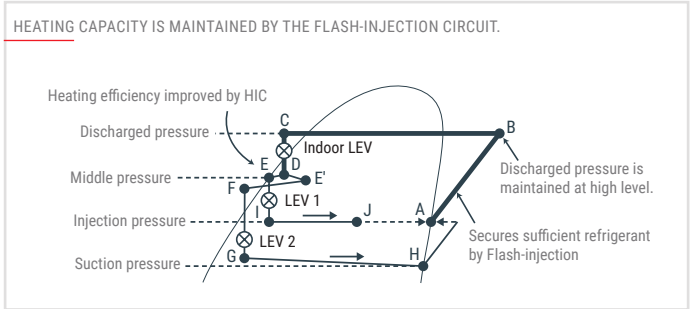
Flash Injection Circuit

One of the key factors of the units newly designed Flash Injection Circuit is that the optimal amount of refrigerant can be provided to the system via the compressor through a specially designed injection port to ensure a particularly stable operation. In simple terms, the system allows a quick startup time and continuous heating; even in low ambient conditions.









Constant comfort

With its new highly effective defrost feature (which prevents automatic defrosting when it is not required), the ZUBADAN System can deliver conditioned heating operation up to 250 minutes in one continuous cycle!



Key Technologies

Technical specifications

MODEL			PUHY-HP200YHM-A	PUHY-HP250YHM-A
HP			8	10
Power supply		V/Hz/n°	3-phase 380-400-415V 50Hz	
Cooling	Capacity*1	kW	22.4	28.0
	Power input	kW	6.40	9.06
	EER		3.50	3.09
	SEER		6.15	5.72
	Temperature operating field	Indoor WB	°C	15.0~24.0
Outdoor DB		°C	-5.0~43.0	-5.0~43.0
Heating	Capacity*2	kW	25.0	31.5
	Power input	kW	6.52	8.94
	COP		3.83	3.52
	SCOP		3.92	3.68
	Temperature operating field	Indoor WB	°C	15.0~27.0
Outdoor DB		°C	-25.0~15.5	-25.0~15.5
Sound power level*3		dB(A)	56	57
Connectable indoor units	Total capacity		P100~P260	P125~P325
	Model/Quantity	CITY MULTI	P15~P250/1~17	P15~P250/1~21
Ø Ref. piping diameter	Liquid	mm	12.7	12.7
	Gas	mm	19.05	22.2
External dimensions	(HxLxD)	mm	1710 x 920 x 760*	1710 x 920 x 760*
Net weight		kg	220	220
Ref. Charge R410*/CO ₂ Eq	Ref. Charge R410	kg	9.0	9.0
	CO ₂ eq.*4	Tons	18.79	18.79

Technical specifications

MODEL			PUHY-HP400YSHM-A	PUHY-HP500YSHM-A
HP			16	20
Modules			PUHY-HP200YHM-A PUHY-HP200YHM-A	PUHY-HP250YHM-A PUHY-HP250YHM-A
Twinning joint			CMY-Y100VBK2/3	CMY-Y100VBK2/3
Power supply		V/Hz/n°	3-phase 380-400-415V 50Hz	
Cooling	Capacity*1	kW	45.0	56.0
	Power input	kW	12.86	18.16
	EER		3.49	3.08
	SEER		-	-
	Temperature operating field	Indoor WB	°C	15.0~24.0
Outdoor DB		°C	-5.0~43.0	-5.0~43.0
Heating	Capacity*2	kW	50.0	63.0
	Power input	kW	13.35	18.04
	COP		3.74	3.49
	SCOP		-	-
	Temperature operating field	Indoor WB	°C	15.0~27.0
Outdoor DB		°C	-25.0~15.5	-25.0~15.5
Sound power level*3		dB(A)	59	60
Connectable indoor units	Total capacity		P200~P520	P250~P650
	Model/Quantity	CITY MULTI	P15~P250/2~34	P15~P250/2~43
Ø Ref. piping diameter	Liquid	mm	15.88	15.88
	Gas	mm	28.58	28.58
External dimensions	(HxLxD)	mm	1710 x 920 x 760* 1710 x 920 x 760*	1710 x 920 x 760* 1710 x 920 x 760*
Net weight		kg	440	440
Ref. Charge R410*/CO ₂ Eq	Ref. Charge R410	kg	18.0	18.0
	CO ₂ eq.*4	Tons	37.58	37.58

*1 Nominal cooling conditions: Indoor: 27°C DB / 19°C WB. Outdoor 35°C DB. Piping length 7.5 m, vertical difference 0 m.

*2 Nominal heating conditions: Indoor 20°C DB. Outdoor 7°C DB / 6°C WB. Piping length 7.5 m, vertical difference 0 m.

*3 Values measured in anechoic chamber (Cooling mode/Heating mode)

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

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

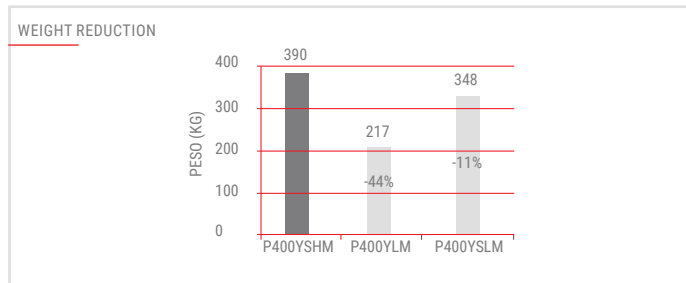
New water condensed outdoor units WY and WR2 are available in two module types: Small and Large. Large module allows capacity up to 24HP (69 kW in Cooling and 76,5 kW in Heating) with just one module, reducing occupied surface in installation site up to 50% compared to previous model. For double module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

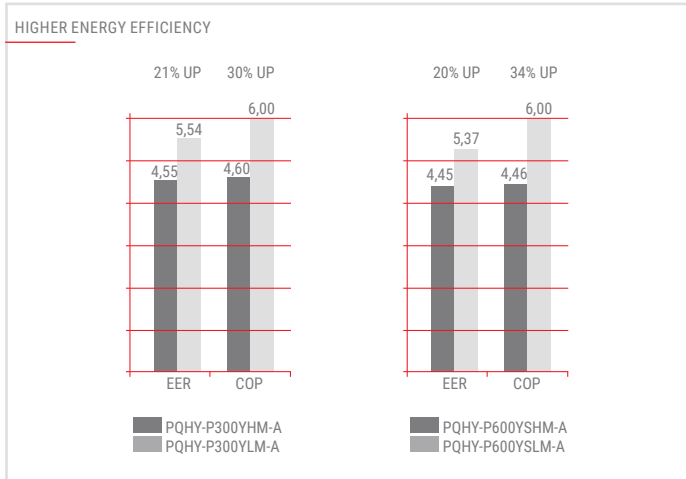
*1 Single module
*2 Double module



Water flow rate control

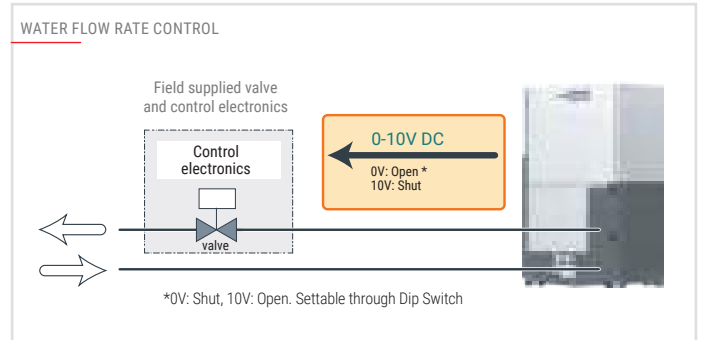
New YLM water condensed outdoor units are equipped with an automatic flow rate control system, which allows reduction of pumping consumption when the system works in partial load conditions. Flow rate control is performed by a 0-10V signal, which controls the regulation valve by shutting or opening it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

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



Advantages

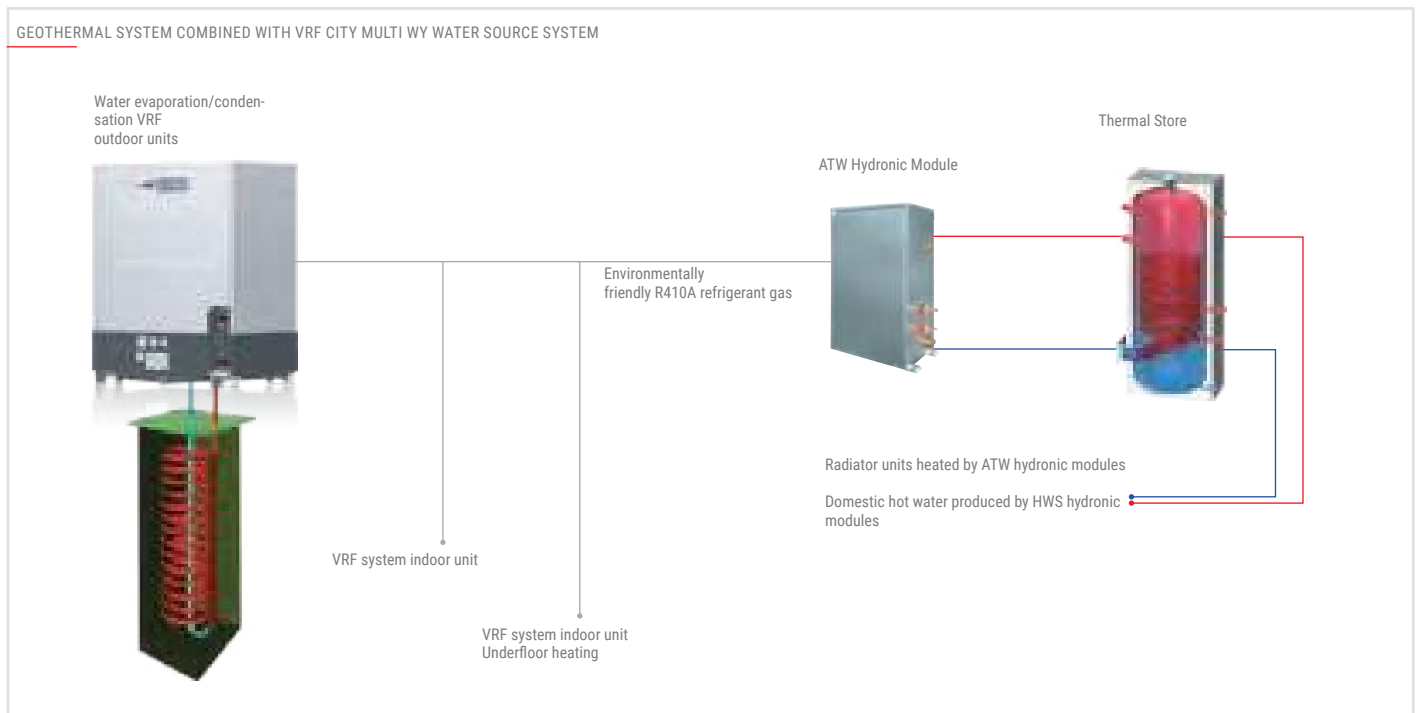
WY and WR2 lines VRF CITY MULTI systems have all the benefits of the Y series, using water evaporation condensing units. Water heat source condensing units offer the advantage of being installable inside the building, for even greater installation flexibility with practically no limitations for the dimensions 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

									
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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 10.0~45.0	15.0~24.0 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 10.0~45.0	15.0~27.0 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 dimention		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*4/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 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 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	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 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)	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 dimention		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*4/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-A(1)	PQHY-P450YSLM-A(1)	PQHY-P500YSLM-A(1)	PQHY-P550YSLM-A(1)	PQHY-P600YSLM-A(1)
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
Water		°C	10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	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	6.0
	SCOP		-	-	-	-	-
	Temperature operating field	Indoor DB	°C	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0
Water		°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			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
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.

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

Technical specifications WY LINE							
MODEL		DOUBLE	PQHY-P700YSLM-A(1)	PQHY-P750YSLM-A(1)	PQHY-P800YSLM-A(1)	PQHY-P850YSLM-A(1)	PQHY-P900YSLM-A(1)
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
Water		°C	10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	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	6.0
	SCOP		-	-	-	-	-
	Temperature operating field	Indoor DB	°C	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0
Water		°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			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.

*4 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
Water		°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	°C	15.0~27.0	15.0~27.0
Water		°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 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
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
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
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
Sound power level*3		dB(A)	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-A(1)	PQRY-P450YSLM-A(1)	PQRY-P500YSLM-A(1)	PQRY-P550YSLM-A(1)	PQRY-P600YSLM-A(1)	
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	°C	15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0
Water		°C	10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	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	°C	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0
Water		°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)	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-A(1)	PQRY-P750YSLM-A(1)	PQRY-P800YSLM-A(1)	PQRY-P850YSLM-A(1)	PQRY-P900YSLM-A(1)	
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
Water		°C	10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0
Heating	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
Water		°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.

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



Y REPLACE MULTI LINE

OUTDOOR UNITS - Water condensed Heat pump PUHY-RP-Y JM-B(-BS)



SOLUTION FOR REPLACING
R22/R407C SYSTEMS

RENEWAL FOR TOP
PERFORMANCE

RE-USE OF EQUIPMENT

SHORT AND QUICK
CONSTRUCTION
PROCESS AND TIME





Replace Multi Series



The Mitsubishi Electric solution for the replacement market of VRF R22 systems is characterized by the 3-R: **Re-use**, **Re-placement** and **Re-nawal**. The innovative **Replace Multi** solution of Mitsubishi Electric makes it possible to reuse components and structural elements

of existing plant rather than completely replace all units and refrigerant lines. This raises the owner from discomforts of the complete replacement of the air conditioning system (for example, new pipes, the destruction walls and stopping of the activities and business during the renovations).

Short and quick construction process and time

Compared to the installation process and time to install a complete new system, Replace Multi offers shorter and quicker installation.

The key cause of this is because with Replace Multi, without any use of special kit, existing piping can be reused and works at rooftop or walls for new piping are not required. This results in reduced installation time and system downtime which is an attractive factor to minimize the effect on business working hours.

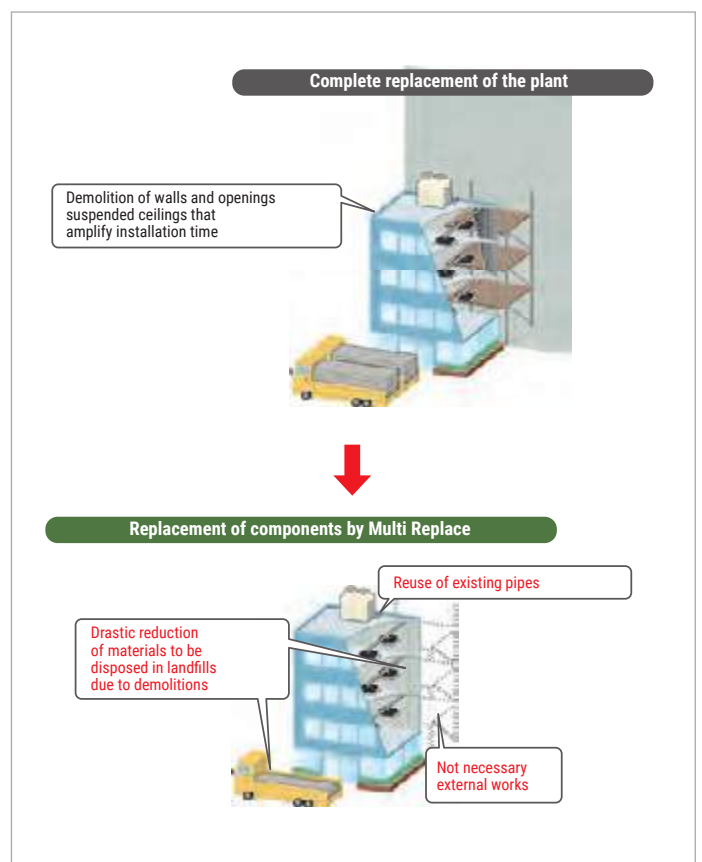
	Refrigerant pipes	Power cables	Breakers	Trasmission lines	Remote controller connections	Outdoor unit	Indoor unit
Re-use	•	•	•	•	•		

NOTE: The actual reusability of components depends upon the condition of the plant and the existing infrastructure.










* The actual reusability of indoor units depends on the model. For further clarification please contact the sales office nearest you.

Renewal for top performance

The installation of a Replace Multi system allows to achieve the state of the art of VRF technology from Mitsubishi Electric which it reached levels of energy efficiency (COP) more than 40% compared to a R22 VRF system of 10 years ago. The greater energy efficiency also means lower noise levels and reduced installation space compared to a VRF R22.



Key Technologies

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MODEL		SINGLE	PUHY-RP200YJM-B	PUHY-RP250YJM-B	PUHY-RP300YJM-B	PUHY-RP350YJM-B
HP			8	10	12	14
Power supply	Phases/Voltage/Freq.	V/Hz/n°	3-phase 380-400-415V 50Hz			
Cooling	Capacity*1	kW	22.4	28.0	33.5	40.0
	Power input	kW	5.68	7.62	8.98	11.79
	EER		3.94	3.67	3.73	3.39
	SEER		6.35	5.90	6.40	6.14
	Temperature operating field	Indoor WB °C	15.0~24.0	15.0~24.0	15.0~24.0	15.0~24.0
	Outdoor DB °C	-5.0~43.0	-5.0~43.0	-5.0~43.0	-5.0~43.0	
Heating	Capacity*2	kW	25.0	31.5	37.5	45.0
	Power input	kW	5.69	7.22	9.42	12.60
	COP		4.39	4.36	3.98	3.57
	SCOP		4.05	3.80	3.89	3.50
	Temperature operating field	Indoor WB °C	15.0~27.0	15.0~27.0	15.0~27.0	15.0~27.0
	Outdoor DB °C	-20.0~15.5	-20.0~15.5	-20.0~15.5	-20.0~15.5	
Sound power level*3		dB(A)	56	57	59	60
Connectable indoor units			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
	Total capacity		P100~P260	P125~P325	P150~P390	P175~P455
	Model/Quantity		P15~P250/1~17	P15~P250/1~21	P15~P250/1~26	P15~P250/1~30
Ø Ref. piping.	Liquido/Gas	mm	12.7/28.58	12.7/28.58	12.7/28.58	15.88/34.93
External dimensions		mm	1710 x 920 x 760*	1710 x 920 x 760*	1710 x 920 x 760*	1710 x 920 x 760*
Net weight		kg	230	255	255	255
Ref. Charge R410*/CO ₂ Eq		kg/Tons	6.5 /13.57	9.0/18.79	9.0 /18.79	9.0 /18.79

*1 Nominal cooling conditions: Indoor: 27°C DB / 19°C WB. Outdoor 35°C DB. Piping length 7.5 m, vertical difference 0 m.

*2 Nominal heating conditions: Indoor 20°C DB. Outdoor 7°C DB / 6°C WB. 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.

The SEER and SCOP data are based on the EN14825 measurement standard



BC CONTROLLERS FOR R2 LINES



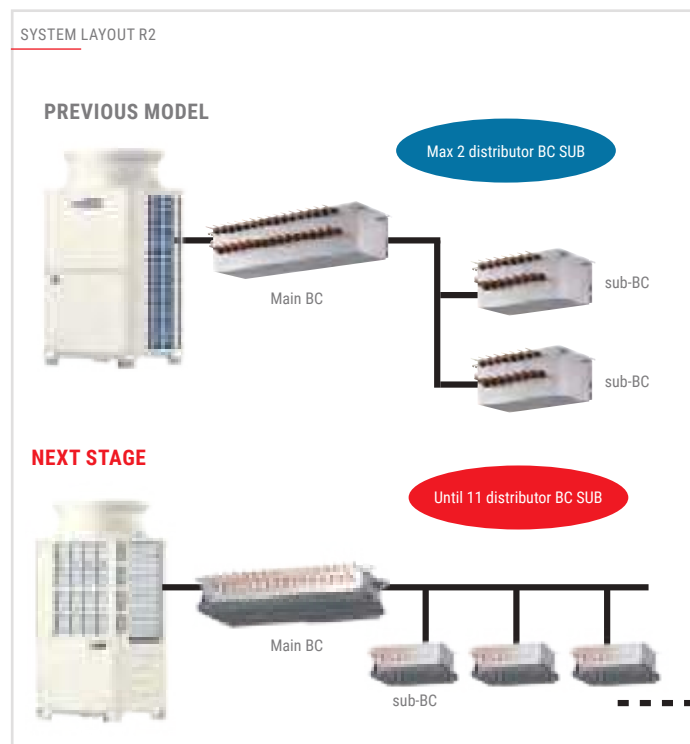
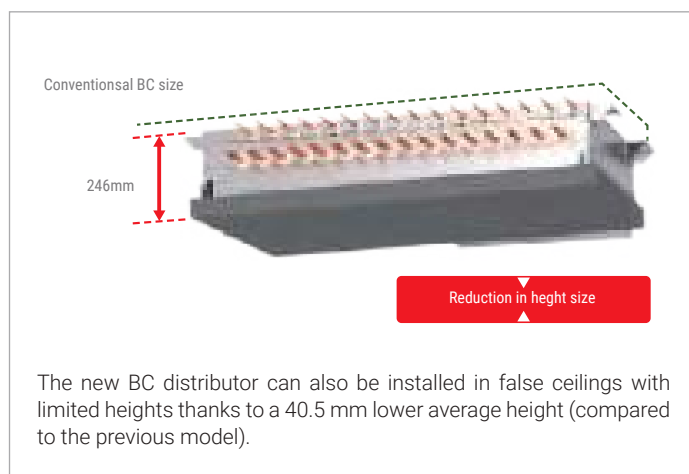
BC Distributors

The new BC distributor of the CMB-P-V-J series effectively distributes the refrigerant depending on the operating mode of the indoor units (heating or cooling). It contains the highly efficient gas/liquid separator developed by Mitsubishi Electric and carefully separates the gas for heating from the cooling liquid. For a greater height difference and an increase in the maximum pipe length, it uses a subcooling heat exchanger that further chills the coolant destined for the indoor units in cooling mode.

New BC controller

Increased number of connections (for systems with BC SUB distributor) and increase of geometric limits. In the R2 heat recovery systems of the new YNW line it is possible to connect up to 11 BC SUB distributors to the BC MAIN distributor thus allowing greater configuration flexibility. The adoption of the new architecture allows a reduction of the refrigerant charge adopted in the system.

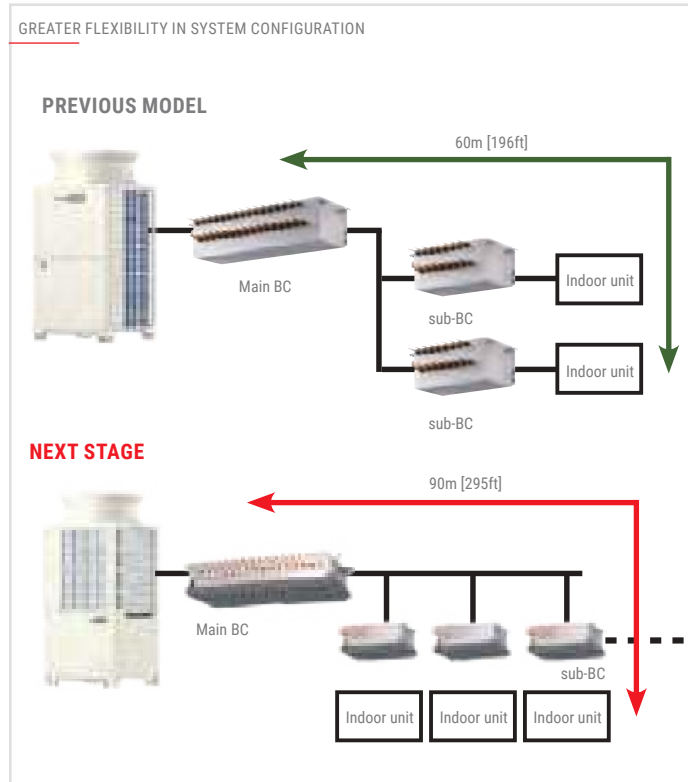
Reduced height



Greater flexibility in system configuration

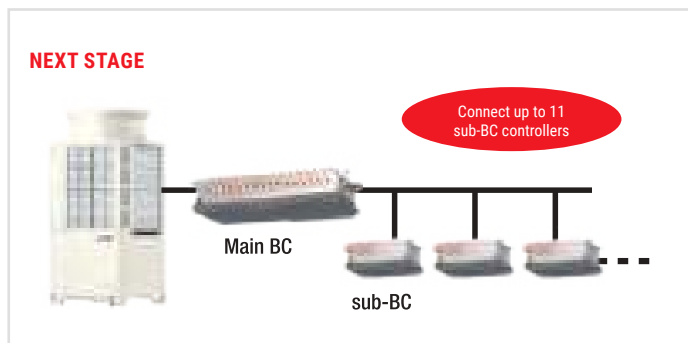
The maximum length of the refrigeration line between the BC MAIN distributor unit and the indoor unit has been increased to 90 metres* (compared to 60 metres for the previous model) for greater flexibility of system design.

*If the indoor unit is connected to an SUB BC Controller unit



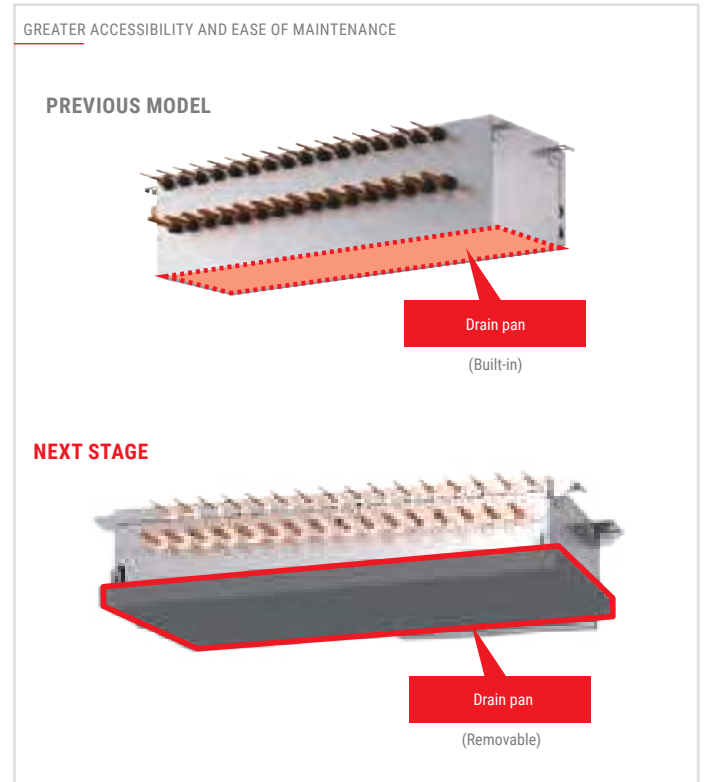
Sub-BC controller connections increased

Only two sub-BC controllers could be connected to a main BC controller in previous models. Up to 11 sub-BC controllers can now be connected to the new BC controller, allowing for more flexibility in system design. The line-branching method enables the creation of system designs that use less refrigerant.



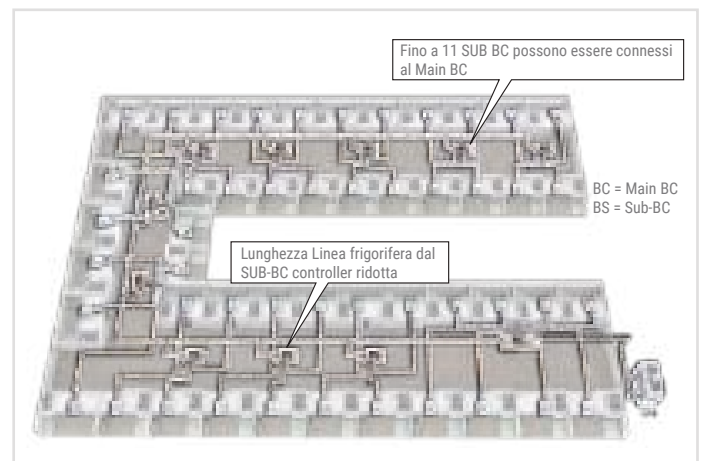
Greater accessibility and ease of maintenance

In the previous model, the drainage panel was on the lower side of the distributor. In the new model it is instead installed on the lower side of the structure, making it easy to remove from the lower part for maintenance access.



The line-branching method with a main BC controller and sub-BC controllers

The sub-BC controller can be installed near the indoor units, so the branch piping can be greatly reduced. This also reduces the length of system piping, enabling using less refrigerant design.



Technical specifications

MODEL (single)				CMB-P104V-J	CMB-P106V-J	CMB-P108V-J	CMBP1012V-J	CMBP1016V-J	
Number of branch				4	6	8	12	16	
Power source				1-phase 220-230-240 V					
Power input	kW	50Hz	Cooling	0.067/0.076/0.085	0.097/0.110/0.123	0.127/0.144/0.161	0.186/0.211/0.236	0.246/0.279/0.312	
			Heating	0.030/0.034/0.038	0.045/0.051/0.057	0.060/0.068/0.076	0.090/0.102/0.114	0.119/0.135/0.151	
Indoor unit capacity connectable to 1 branch				Model P80 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P81.)					
Connectable outdoor/heat source unit capacity				P200 to P350	P200 to P350	P200 to P350	P200 to P350	P200 to P350	
Height	mm			246	246	246	246	246	
Width	mm			596	596	596	911	1,135	
Depth	mm			495	495	495	639	639	
Refrigerant piping diameter	To outdoor/heat source unit			Connectable unit capacity					
				P200	P250/P300	P350 *13			
	High press. pipe			15.88 (5/8) Brazed		19.05 (3/4) Brazed		19.05 (3/4) Brazed or 22.2 (7/8) Brazed	
	Low press. pipe			19.05 (3/4) Brazed		22.2 (7/8) Brazed		28.58 (1-1/8) Brazed	
To indoor unit	Liquid pipe			Indoor unit Model 50 or smaller 6.35 (1/4) Brazed bigger than 50 9.52 (3/8) Brazed					
	Gas pipe			Indoor unit Model 50 or smaller 12.7 (1/2) Brazed bigger than 50 15.88 (5/8) Brazed (19.05 (3/4), 22.2(7/8) with optional joint pipe used.)					
Drain pipe	mm (in.)			O.D. 32 (1-1/4)	O.D. 32 (1-1/4)	O.D. 32 (1-1/4)	O.D. 32 (1-1/4)	O.D. 32 (1-1/4)	
Net weight	kg (lbs)			23 (51)	27 (60)	31 (69)	46 (102)	56 (124)	

Technical specifications

MODEL (main)				CMB-P108V-JA			CMB-P1012V-JA			CMB-P1016V-JA			
Number of branch				8			12			16			
Power source				1-phase 220-230-240 V									
Power input	kW	50Hz	Cooling	0.127/0.144/0.161			0.186/0.211/0.236			0.246/0.279/0.312			
			Heating	0.060/0.068/0.076			0.090/0.102/0.114			0.119/0.135/0.151			
Indoor unit capacity connectable to 1 branch				Model P80 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P81.)									
Connectable outdoor/heat source unit capacity				P200 to P900			P200 to P900			P200 to P900			
Height	mm			246			246			246			
Width	mm			911			1,135			1,135			
Depth	mm			639			639			639			
Refrigerant piping diameter	To outdoor/heat source unit			Connectable unit capacity									
				P200	P250/P300	P350 *13	P400 to P500	P550 *13	P600 *13	P650	P700 to P800	P850 to P900	
	High press. pipe			15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed or 22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
	Low press. pipe			19.05 (3/4) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed or 34.93 (1-3/8) Brazed	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	41.28 (1-5/8) Brazed	
	To indoor unit	Liquid pipe			Indoor unit Model 50 or smaller 6.35 (1/4) Brazed bigger than 50 9.52 (3/8) Brazed								
		Gas pipe			Indoor unit Model 50 or smaller 12.7 (1/2) Brazed bigger than 50 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)								
	To other BC controller			Total down-stream Indoor unit capacity									
				to P200	P201 to P300	P301 to P350	P351 to P400	P401 to P600	P601 to P650	P651 to P800	P801 to P1000	P1001 or above	
	High press. pipe			15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	
	Low press. pipe			19.05 (3/4) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed	
Liquid pipe			9.52 (3/8) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed		
Drain pipe	mm (in.)			O.D. 32 (1-1/4)			O.D. 32 (1-1/4)			O.D. 32 (1-1/4)			
Net weight	kg (lbs)			45 (100)			55 (122)			63 (139)			

★ Combination chart of BC Controller for R2 series (YNW)

	P200-P350	P400-P900	P950-P1100
CMB-P VJ	•	N/A	N/A
CMB-P V-JA	•	•	N/A
CMB-P V-KA	•	•	•
CMB-P V-KB (Sub)	CMB-P108/1012/1016V-JA, CMB-P1016V-KA		

Technical specifications

MODEL (main)		CMB-P1016V-KA										
Number of branch		16										
Power source		1-phase 220-230-240 V										
Power input	kW	50Hz	Cooling		0.246/0.279/0.312							
			Heating		0.119/0.135/0.151							
Indoor unit capacity connectable to 1 branch		Model P80 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P81.)										
The maximum number of connectable Sub BC controllers		-										
The maximum connectable capacity of indoor units		-										
Connectable outdoor/heat source unit capacity		P200 to P1100										
Connectable Main BC controller		-										
Height	mm		246									
Width	mm		1,135									
Depth	mm		639									
Refrigerant piping diameter	To outdoor/heat source unit		Connectable unit capacity									
			P200	P250/P300	P350 *13	P400 to P500	P550 *13	P600 *13	P650	P700 to P800	P850 to P1000	
	High press. pipe		15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed or 22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
	Low press. pipe		19.05 (3/4) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed or 34.93 (1-3/8) Brazed	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	41.28(1-5/8) Brazed	
	To indoor unit	Liquid pipe	Indoor unit Model 50 or smaller 6.35 (1/4) Brazed bigger than 50 9.52 (3/8) Brazed									
		Gas pipe	Indoor unit Model 50 or smaller 12.7 (1/2) Brazed bigger than 50 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)									
	To other BC controller		Total down-stream Indoor unit capacity									
			to P200	P201 to P300	P301 to P350	P351 to P400	P401 to P600	P601 to P650	P651 to P800	P801 to P1000	P1001 or above	
	High press. pipe		15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	
	Low press. pipe		19.05 (3/4) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	41.28(1-5/8) Brazed	41.28(1-5/8) Brazed	
Liquid pipe		9.52 (3/8) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed		
Drain pipe	mm (in.)	0.D. 32 (1-1/4)	0.D. 32 (1-1/4)	0.D. 32 (1-1/4)	0.D. 32 (1-1/4)	0.D. 32 (1-1/4)	0.D. 32 (1-1/4)	0.D. 32 (1-1/4)	0.D. 32 (1-1/4)	0.D. 32 (1-1/4)		
Net weight	kg (lbs)	65 (144)	65 (144)	65 (144)	65 (144)	65 (144)	65 (144)	65 (144)	65 (144)	65 (144)		

Technical specifications

MODEL (sub)		CMB-P104V-KB										
Number of branch		4										
Power source		1-phase 220-230-240 V										
Power input	kW	50Hz	Cooling	0.060/0.068/0.076								
			Heating	0.030/0.034/0.038								
The maximum number of connectable Sub BC controllers		11										
The maximum connectable capacity of indoor units		P350 for each										
Connectable Main BC controller		CMB-P108/1012/1016V-JA, CMB-P1016V-KA										
Height	mm		246									
Width	mm		596									
Depth	mm		495									
Refrigerant piping diameter	To outdoor/heat source unit		-									
	High press. pipe		-									
	Low press. pipe		-									
	To indoor unit	Liquid pipe	Indoor unit Model 50 or smaller 6.35 (1/4) Brazed bigger than 50 9.52 (3/8) Brazed									
		Gas pipe	Indoor unit Model 50 or smaller 12.7 (1/2) Brazed bigger than 50 15.88 (5/8) Brazed (19.05 (3/4) with optional joint pipe used.)									
	To other BC controller		Total down-stream Indoor unit capacity									
			to P200	P201 to P300	P301 to P350	P351 to P400	P401 to P600	P601 to P650	P651 to P800	P801 to P1000	P1001 or above	
High press. pipe		15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed		
Low press. pipe		19.05 (3/4) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	41.28(1-5/8) Brazed	41.28(1-5/8) Brazed		
Liquid pipe		9.52 (3/8) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed		
Drain pipe	mm (in.)		O.D. 32 (1-1/4)	O.D. 32 (1-1/4)	O.D. 32 (1-1/4)	O.D. 32 (1-1/4)	O.D. 32 (1-1/4)	O.D. 32 (1-1/4)	O.D. 32 (1-1/4)	O.D. 32 (1-1/4)		
Net weight	kg (lbs)		21 (47)	21 (47)	21 (47)	21 (47)	21 (47)	21 (47)	21 (47)	21 (47)		

Technical specifications

MODEL (sub)		CMB-P108V-KB										
Number of branch		8										
Power source		1-phase 220-230-240 V										
Power input	kW	50Hz	Cooling	0.119/0.135/0.151								
			Heating	0.060/0.068/0.076								
The maximum number of connectable Sub BC controllers		11										
The maximum connectable capacity of indoor units		P350 for each										
Connectable Main BC controller		CMB-P108/1012/1016V-JA, CMB-P1016V-KA										
Height	mm		246									
Width	mm		596									
Depth	mm		495									
Refrigerant piping diameter	To outdoor/heat source unit		-									
	High press. pipe		-									
	Low press. pipe		-									
	To indoor unit	Liquid pipe	6.35 per unità interna modello P50 o più piccolo, 9.52 per unità interna modello superiore a P50									
		Gas pipe	12.7 per unità interna modello P50 o più piccolo, 15.88 (19.05, 22.2 con giunto del tubo opzionale) per unità interna modello superiore a P50									
	To other BC controller		Total down-stream Indoor unit capacity									
			to P200	P201 to P300	P301 to P350	P351 to P400	P401 to P600	P601 to P650	P651 to P800	P801 to P1000	P1001 or above	
High press. pipe		15.88	19.05	19.05	22.2	22.2	28.58	28.58	28.58	34.93		
Low press. pipe		19.05	22.2	28.58	28.58	28.58	28.58	34.93	41.28	41.28		
Liquid pipe		9.52	9.52	12.7	12.7	15.88	15.88	19.05	19.05	19.05		
Drain pipe	mm		O.D. 32	O.D. 32	O.D. 32	O.D. 32	O.D. 32	O.D. 32	O.D. 32	O.D. 32		
Net weight	kg		28	28	28	28	28	28	28	28		



WCB WATER-REFRIGERANT CONNECTION BOX



CMB-PW202V-J



WCB refrigerant – water connection box

The WCB refrigerant-water connection box is effectively a simplified BC controller. The WCB has 2 branches only (standard indoor units / PWFY) and is specifically intended to permit air cooling functionality via the 'indoor unit' branch and domestic and heating hot water production functionality via the 'PWFY' branch. While the WCB does not permit simultaneous heating and cooling operation of the indoor units connected to the 'indoor unit' branch, it does allow heat recovery in summer between the two branches, for practically free domestic hot water production.

The WCB water connection box may be used to feed a mixed R2 system (HWS and ATW hydronic modules in combination with standard indoor units), allowing the following scenarios:

	ATW	HWS	Indoor Units
	Primary heating with underfloor system	Domestic hot water production	Air cooling or heating
Winner	ON	ON	OFF
Autumn / Spring	OFF	ON	ON
Summer	OFF	ON	ON

Technical specifications

MODEL		CMB-PW202V-J	
Number of branches		2	
Power	Voltage/Freq./Phases	V/Hz/n°	1 phase 220-230-240V 50 Hz/60Hz
Power absorption		kW	0.020
External finish		Galvanized	
Capacity of connectable indoor unit	Total	50~130% of outdoor unit capacity	
Indoor unit branch		Up to 130% of outdoor unit capacity	
PWFY branch		Up to 100% of outdoor unit capacity	
Connectable outdoor units		PURY-(E)P200/250/300YNW / PQRY-P200/250/300YLM	
Dimensions (HxLxW)	mm	284 x 648 x 432	
Drain pipe		28.58 brazed	
Net weight	kg	20	

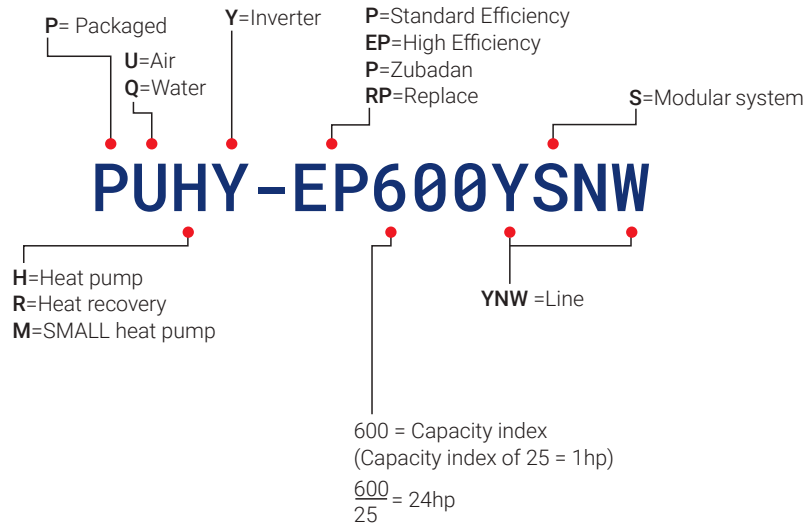
CONNECTIONS

		See capacity of connectable outdoor unit				
Refrigerant pipe diameter	To outdoor unit		P200		P250-P300	
		High press. pipe.	15.88		19.05	
		Low press. pipe.	19.05		22.2	
	To indoor unit	See total capacity of subsequent indoor units				
		~ P140	P141~P200	P201~P300	P301~	
Liquid pipe		ø9.52 brazed	ø9.52 brazed	ø9.52 brazed	ø15.88 brazed	
	Gas pipe	ø15.88 brazed	ø19.05 brazed	ø22.2 brazed	ø28.58 brazed	

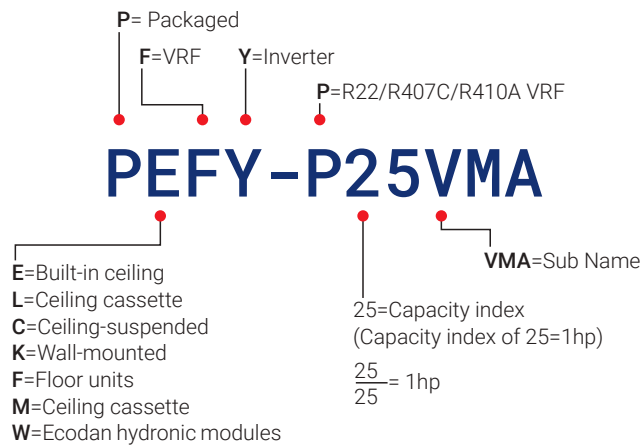


Model code

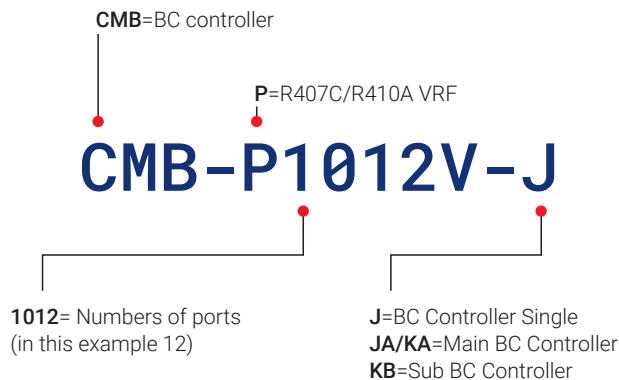
CITY MULTI outdoor units



CITY MULTI indoor units

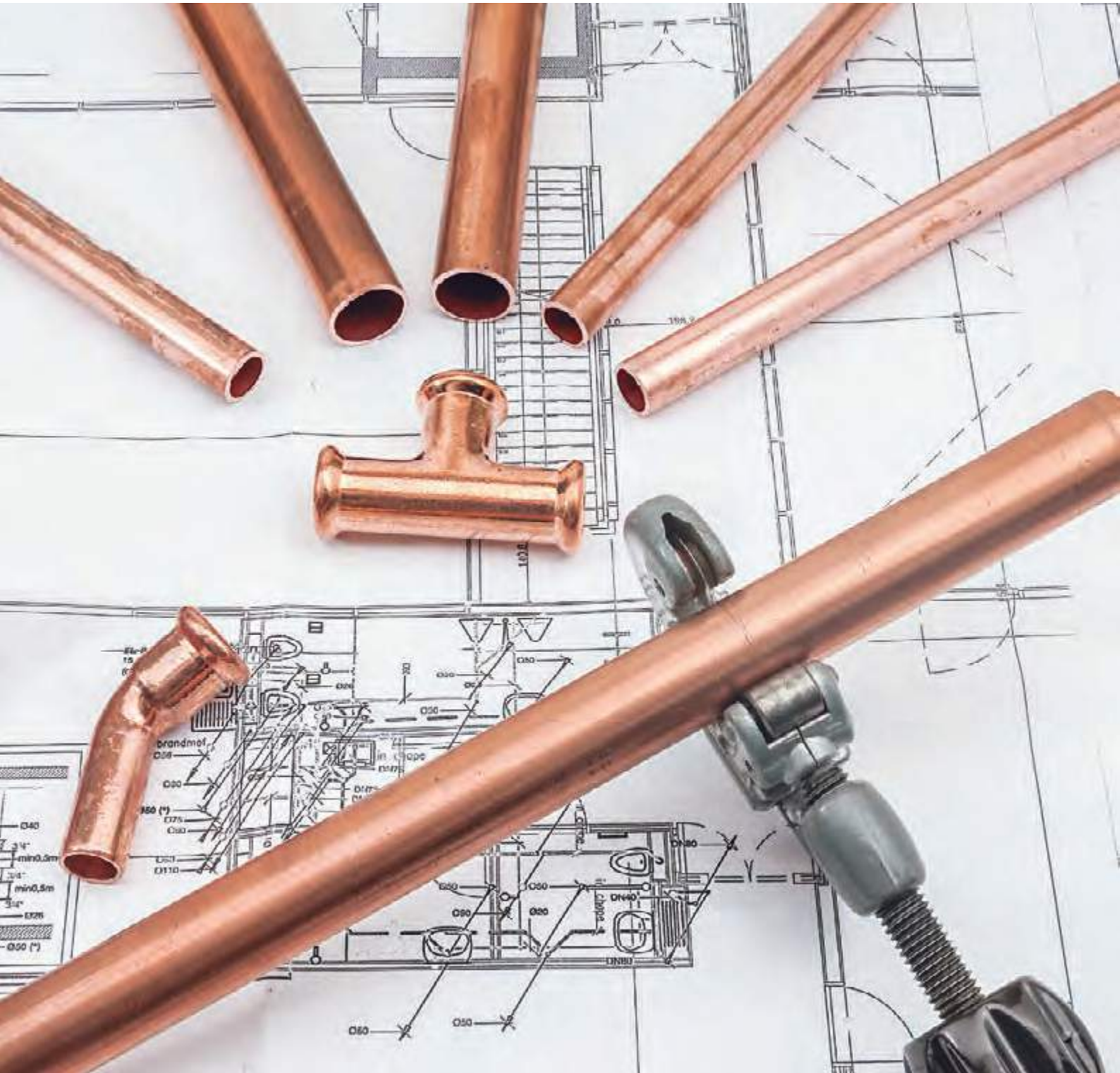


BC Controller





Refrigerant piping length



PUMY-SP112~140 Y(V)KM

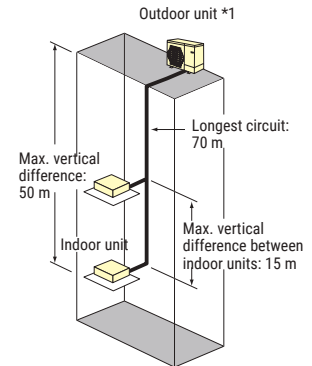
SMALL Y COMPACT LINE

GEOMETRIC LIMITS OF REFRIGERATION PIPELINES	
Total effective length	120 m max.
Effective length of a single circuit	70 m max.
Effective length after first branch	50 m max.

VERTICAL DIFFERENCE BETWEEN UNITS	
Indoor/outdoor (outdoor unit in higher position)	50 m max.
Indoor/outdoor (indoor unit in higher position)	30 m max.
Indoor/Indoor	15 m max.

Indicative values only – See technical handbook for installation details.

*1 Use optional deflectors if the outdoor unit is installed in a location subject to high winds.



PUMY-P112~140 Y(V)KM4

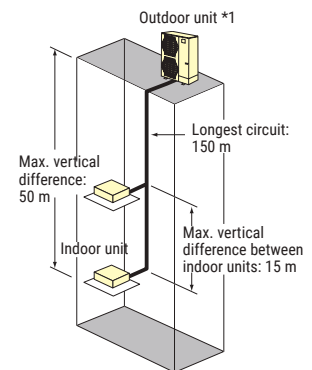
SMALL Y LINE

GEOMETRIC LIMITS OF REFRIGERATION PIPELINES	
Total effective length	300 m max.
Effective length of a single circuit	150 m max.
Effective length after first branch	30 m max.

VERTICAL DIFFERENCE BETWEEN UNITS	
Indoor/outdoor (outdoor unit in higher position)	50 m max.
Indoor/outdoor (indoor unit in higher position)	40 m max.
Indoor/Indoor	15 m max.

Indicative values only – See technical handbook for installation details.

*1 Use optional deflectors if the outdoor unit is installed in a location subject to high winds.



PUMY-P200 YKM2

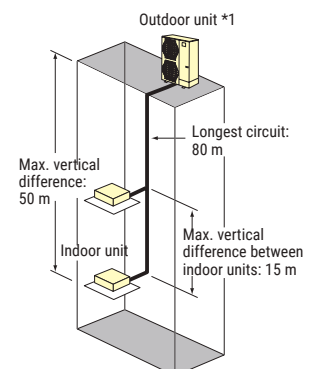
SMALL Y LINE

GEOMETRIC LIMITS OF REFRIGERATION PIPELINES	
Total effective length	150 m max.
Effective length of a single circuit	80 m max.
Effective length after first branch	30 m max.

VERTICAL DIFFERENCE BETWEEN UNITS	
Indoor/outdoor (outdoor unit in higher position)	50 m max.
Indoor/outdoor (indoor unit in higher position)	40 m max.
Indoor/Indoor	15 m max.

Indicative values only – See technical handbook for installation details.

*1 Use optional deflectors if the outdoor unit is installed in a location subject to high winds.



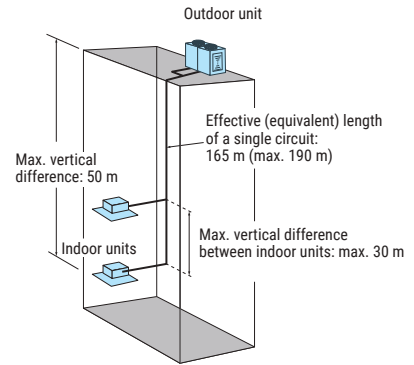
PUHY-P200-1500Y(S)KA

Y ECOSTANDARD LINE

GEOMETRIC PIPING LIMITATIONS WITH ONE OR MORE BC CONTROLLERS	
Total effective length	1000 m max.
Effective length of a single circuit	165 m max.
Equivalent length of a single circuit	190 m max.
Effective length after first branch	90 m max.
Effective length between outdoor unit	10 m max.

VERTICAL DIFFERENCE BETWEEN UNITS	
Indoor/outdoor (outdoor unit in higher position)	50 m max.
Indoor/outdoor (indoor unit in higher position)	40 m max.
Indoor/Indoor	30 m max.

Indicative values only – See technical handbook for installation details.



PUHY-P200-1350Y(S)NW-A

PUHY-EP200-1350Y(S)NW-A

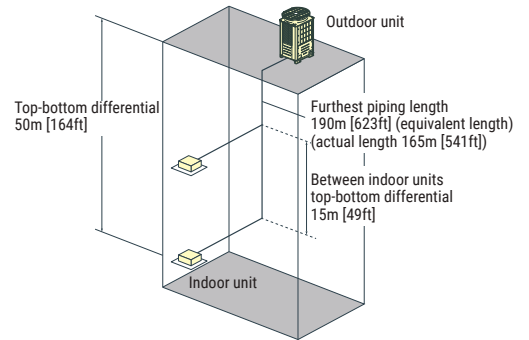
Y NEXT STAGE LINE

Y NEXT STAGE HIGH EFFICIENCY LINE

GEOMETRIC PIPING LIMITATIONS WITH ONE OR MORE BC CONTROLLERS	
Total effective length	1000 m max.
Effective length of a single circuit	165 m max.
Equivalent length of a single circuit	190 m max.
Effective length after first branch	90 m max.

VERTICAL DIFFERENCE BETWEEN UNITS	
Indoor/outdoor (outdoor unit in higher position)	50 m max.
Indoor/outdoor (indoor unit in higher position)	40 m max.
Indoor/Indoor	30 m max.

Indicative values only – See technical handbook for installation details.



PURY-P200-1100Y(S)NW-A

PURY-EP200-1100Y(S)NW-A

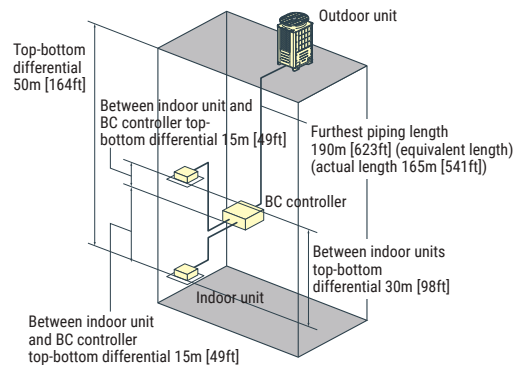
R2 NEXT STAGE LINE

R2 NEXT STAGE HIGH EFFICIENCY LINE

GEOMETRIC PIPING LIMITATIONS WITH ONE OR MORE BC CONTROLLERS	
Total effective length	500-1000 m max.
Effective length of a single circuit	165 m max.
Equivalent length of a single circuit	190 m max.
Effective length between outdoor unit and BC controller	110 m max.
Effective length between BC controller and indoor unit	60 m max.

VERTICAL DIFFERENCE BETWEEN UNITS	
Indoor/outdoor (outdoor unit in higher position)	50 m max.
Indoor/outdoor (indoor unit in higher position)	40 m max.
Indoor/BC Controller	15 m max.
Indoor/Indoor	30 m max.
Effective length between outdoor unit and BC controller	15 m max.

Indicative values only – See technical handbook for installation details.



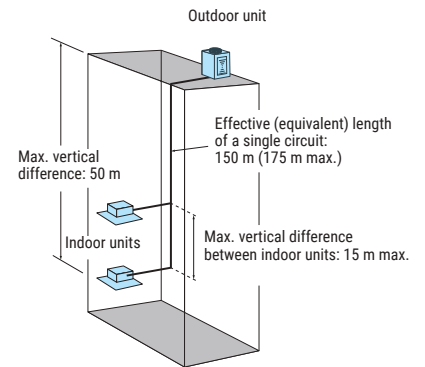
PUHY-HP200-500Y(S)HM-A

Y ZUBADAN LINE

GEOMETRIC LIMITS OF REFRIGERATION PIPELINES	
Total effective length	300 m max.
Effective length of a single circuit	150 m max.
Equivalent length of a single circuit	175 m max.
Effective length after first branch	40 m max.

VERTICAL DIFFERENCE BETWEEN UNITS	
Indoor/outdoor (outdoor unit in higher position)	50 m max.
Indoor/outdoor (indoor unit in higher position)	40 m max.
Indoor/Indoor	15 m max.

Indicative values only - See technical handbook for installation details.



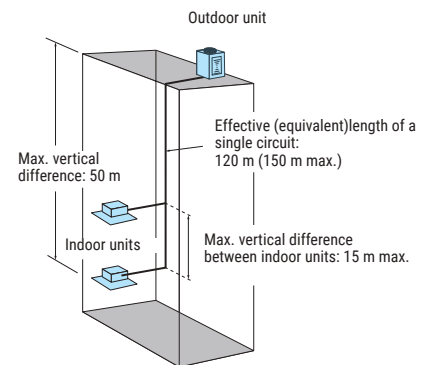
PUHY-RP200-350YJM-B

Y REPLACE MULTI LINE

GEOMETRIC LIMITS OF REFRIGERATION PIPELINES	
Total effective length	300 m max.
Effective length of a single circuit	120 m max.
Equivalent length of a single circuit	150 m max.
Effective length after first branch	40 m max.

VERTICAL DIFFERENCE BETWEEN UNITS	
Indoor/outdoor (outdoor unit in higher position)	50 m max.
Indoor/outdoor (indoor unit in higher position)	40 m max.
Indoor/Indoor	15 m max.
Between outdoor units	0.1 m max.

Indicative values only - See technical handbook for installation details.



PQHY-P200-900Y(S)LM-A1

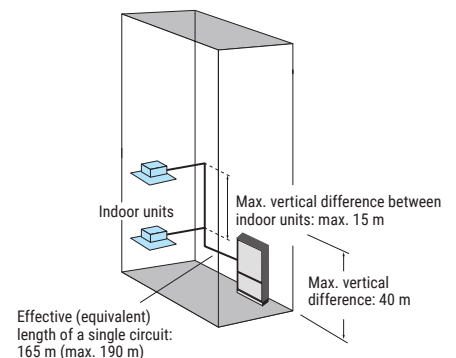
WY LINE

GEOMETRIC LIMITS OF REFRIGERATION PIPELINES	
Total effective length	300-500 m max.
Effective length of a single circuit	165 m max.
Equivalent length of a single circuit	190 m max.
Effective length after first branch	40 m max.

VERTICAL DIFFERENCE BETWEEN UNITS	
Indoor/outdoor (outdoor unit in higher position)	50 m max.
Indoor/outdoor (indoor unit in higher position)	40 m max.
Indoor/Indoor	15 m max.

Indicative values only - See technical handbook for installation details.

*500 m max per PQHY-P350-600YLM



PQRY-P200~900Y(S)LM-A1

WR2 LINE

GEOMETRIC PIPING LIMITATIONS WITH ONE OR MORE BC CONTROLLERS	
Total effective length	300-750 m max.
Effective length of a single circuit	165 m max.
Equivalent length of a single circuit	190 m max.
Effective length between outdoor unit and BC controller	110 m max.
Effective length between BC controller and indoor unit	40-60 m max.

VERTICAL DIFFERENCE BETWEEN UNITS	
Indoor/outdoor (outdoor unit in higher position)	50 m max.
Indoor/outdoor (indoor unit in higher position)	40 m max.
Indoor/BC Controller	15 m max.
Indoor/Indoor	30 m max.
BC Controller and SUB BC Controller	15 m max.

Indicative values only – See technical handbook for installation details.

