

Y NEXT STAGE LINE

OUTDOOR UNITS - PUHY-(E)P Y(S)NW-A2-(BS)

NEW



NEW FOUR-SIDED BATTERY

STATIC PRESSURE OF FAN INCREASED UP TO 80 PA.

CITY MULTI

NEW FAN WITH LOW FRICTION PROFILE

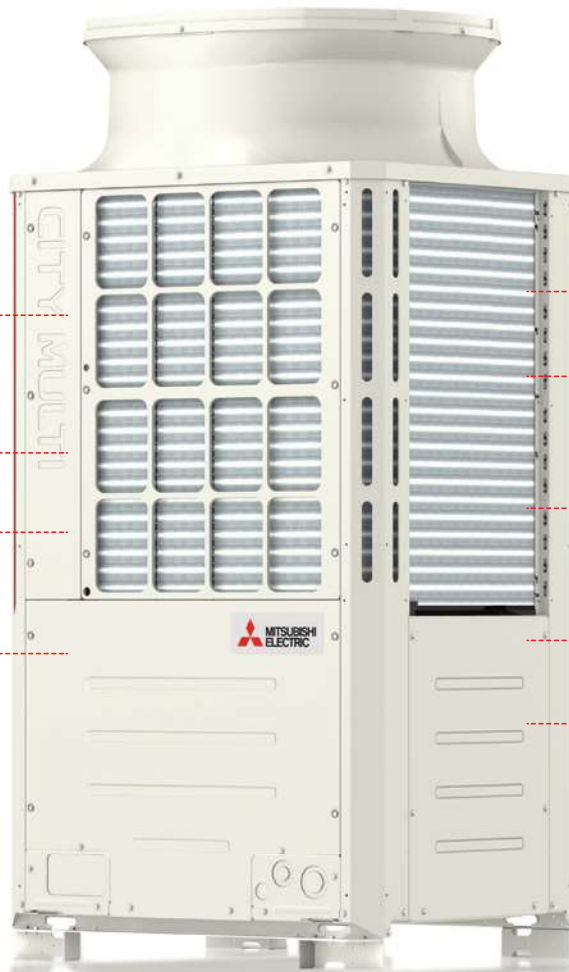
COMPRESSOR OPTIMISED WITH "MULTI-POR" TECHNOLOGY

NEW AUTO-SHIFT MODE

NEW AUTO-SHIFT MODE PREHEAT DEFROST FUNCTION

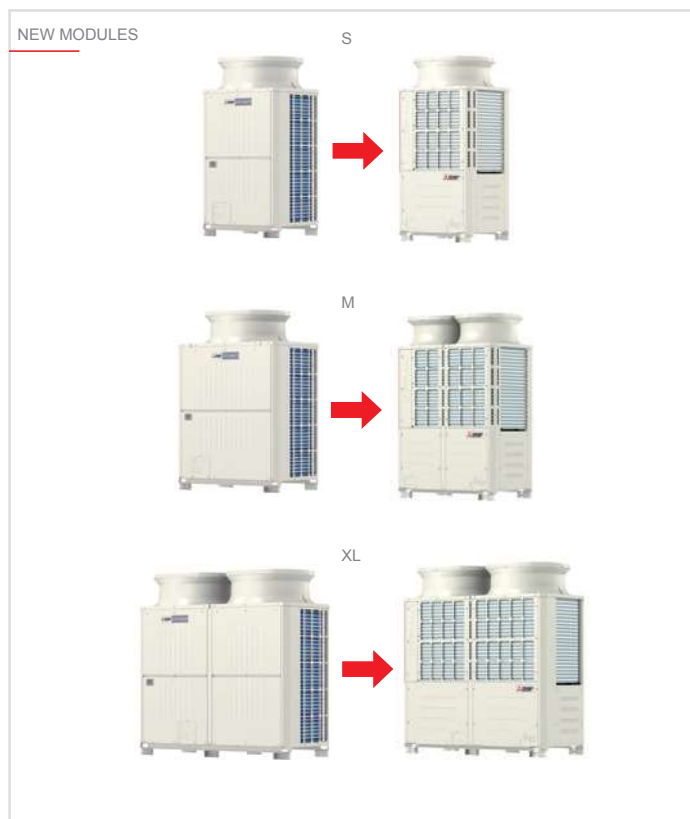
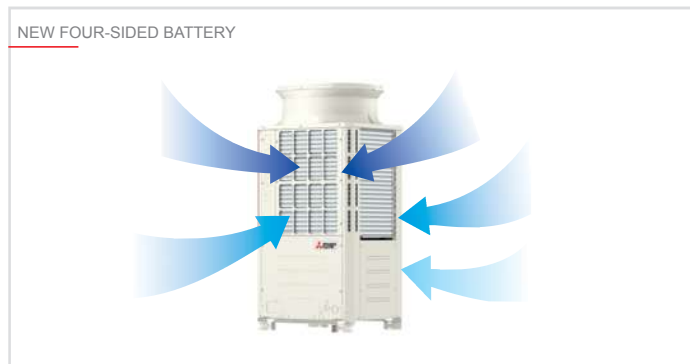
ADVANCED ETC CONTROL OF EVAPORATION TEMPERATURE.

FLEXIBLE NOISE SETTING



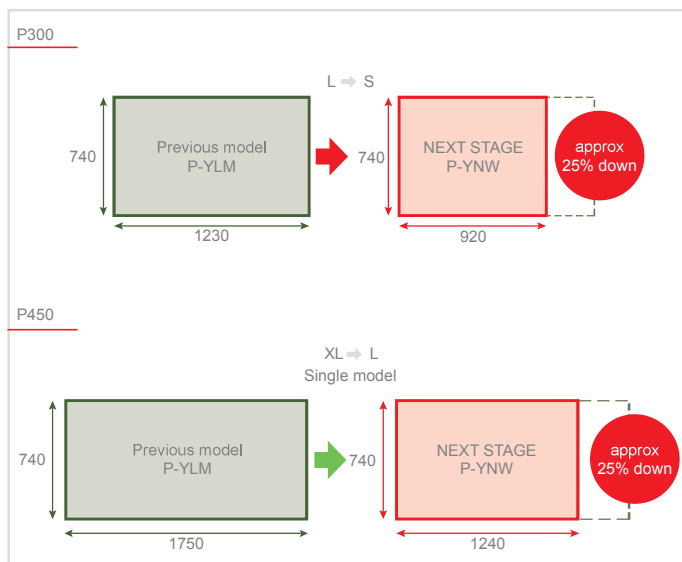
New design

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.



Technical specifications

MODEL			PUHY-EP450YNW-A2 (-BS)	PUHY-EP500YNW-A2 (-BS)	PUHY-EP400YSNW-A2 (-BS)	PUHY-EP450YSNW-A2 (-BS)	PUHY-EP500YSNW-A2 (-BS)
HP			18	20	16	18	20
Modules			PUHY-EP450YNW-A2	PUHY-EP500YNW-A2	PUHY-EP(200+200)YNW-A2	PUHY-EP(200+250)YNW-A2	PUHY-EP(250+250)YNW-A2
Power supply	V/Hz/n*		3-phase 4-wire 380-400-415 V 50/60 Hz				
Cooling	Capacity (nominal) **1	kW	50.0	56.0	44.8	50.4	56.0
	Power input (nominal)	kW	17.73	20.51	11.39	14.07	16.96
	SEER		6.94	6.55	7.53	7.40	7.29
	Temperature operating field	Indoor WB	°C	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
Outdoor DB		°C	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)
Heating	Capacity (nominal) **2/ Capacity (max) **3	kW	50.0 / 56.0	56.0 / 63.0	44.8 / 50.0	50.4 / 56.5	56.0 / 63.0
	Power input (nominal)/ Power input (max)	kW	12.85 / 16.18	14.73 / 17.74	10.02 / 11.87	11.85 / 14.05	13.69 / 16.27
	SCOP		4.32	4.10	4.36	4.37	4.40
	Temperature operating field	Indoor DB	°C	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
Outdoor WB		°C	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)
Sound level **4	Sound pressure (Sound power) level	dB(A)	65.5/70.5 (84/90)	63.5/66.5 (82/85)	61.0/62.0 (78/81)	62.5/63.5 (80/82)	63.5/64.0 (81/83)
Connectable indoor units	Total Capacity	50~130% of outdoor unit capacity					
	Model/Quantity	CITY MULTI	P10~P250, M20~M140/1~45	P10~P250, M20~M140/1~50	P10~P250, M20~M140/1~40	P10~P250, M20~M140/1~45	P10~P250, M20~M140/1~50
Ø Ref. piping diameter	Liquid	mm	15.88	15.88	12.7	15.88	15.88
	Gas	mm	28.58	28.58	28.58	28.58	28.58
Fan	Type x quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow	m³/min	305	365	170 + 170	170 + 185	185 + 185
Compressor	Type	Inverter scroll hermetic compressor					
	Motor output	kW	11.1	12.5	3.4 + 3.4	3.4 + 5.1	5.1 + 5.1
External dimensions	H(H*)xVxD	mm	1858(1798)x1240x740	1858(1798)x1750x740	1858(1798)x920x740 1858(1798)x920x740	1858(1798)x920x740 1858(1798)x920x740	1858(1798)x920x740 1858(1798)x920x740
Net weight		kg	303	342	228 + 228	228 + 228	228 + 228
Refrigerant	Ref. Charge R410	kg	10.8	10.8	13	13	13
	CO ₂ eq.**5	Tons	22.55	22.55	27.14	27.14	27.14

Technical specifications

MODEL			PUHY-EP550YSNW-A2 (-BS)	PUHY-EP600YSNW-A2 (-BS)	PUHY-EP650YSNW-A2 (-BS)	PUHY-EP700YSNW-A2 (-BS)	PUHY-EP750YSNW-A2 (-BS)
HP			22	24	26	28	30
Modules			PUHY-EP(250+300)YNW-A2	PUHY-EP(300+300)YNW-A2	PUHY-EP(250+400)YNW-A2	PUHY-EP(350+350)YNW-A2	PUHY-EP(350+400)YNW-A2
Power supply	V/Hz/n*		3-phase 4-wire 380-400-415 V 50/60 Hz				
Cooling	Capacity (nominal) **1	kW	61.5	67.0	73.0	80.0	85.0
	Power input (nominal)	kW	18.46	20.00	23.54	25.64	27.96
	SEER		7.16	7.04	6.89	6.82	6.72
	Temperature operating field	Indoor WB	°C	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
Outdoor DB		°C	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)
Heating	Capacity (nominal) **2/ Capacity (max) **3	kW	61.5 / 69.0	67.0 / 75.0	73.0 / 81.5	80.0 / 90.0	85.0 / 95.0
	Power input (nominal)/ Power input (max)	kW	15.14 / 18.01	16.54 / 19.68	18.52 / 21.96	19.55 / 23.62	21.46 / 25.67
	SCOP		4.24	4.12	4.30	4.35	4.29
	Temperature operating field	Indoor DB	°C	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
Outdoor WB		°C	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)
Sound level **4	Sound pressure (Sound power) level	dB(A)	64.0/66.5 (82/85)	64.0/67.5 (83/87)	66.5/67.0 (83/86)	65.0/67.0 (83/86)	67.0/68.0 (84/87)
Connectable indoor units	Total Capacity	50~130% of outdoor unit capacity					
	Model/Quantity	CITY MULTI	P10~P250, M20~M140/2~50	P10~P250, M20~M140/2~50	P10~P250, M20~M140/2~50	P10~P250, M20~M140/2~50	P10~P250, M20~M140/2~50
Ø Ref. piping diameter	Liquid	mm	15.88	15.88	15.88	19.05	19.05
	Gas	mm	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 3	Propeller fan x 4	Propeller fan x 4
	Air flow	m³/min	185 + 240	240 + 240	185 + 270	270 + 270	270 + 270
Compressor	Type	Inverter scroll hermetic compressor					
	Motor output	kW	5.1 + 6.1	6.1 + 6.1	5.1 + 9.8	7.7 + 7.7	7.7 + 9.8
External dimensions	H(H*)xVxD	mm	1858(1798)x920x740 1858(1798)x920x740	1858(1798)x920x740 1858(1798)x920x740	1858(1798)x920x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740
Net weight		kg	228 + 231	231 + 231	228 + 303	282 + 282	282 + 303
Refrigerant	Ref. Charge R410	kg	13	13	17.3	19.6	20.6
	CO ₂ eq.**5	Tons	27.14	27.14	36.12	40.92	43.01

12**3 Nominal Conditions:

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

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

**4 Eurovent registered

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

**6 without legs

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

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