

# 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

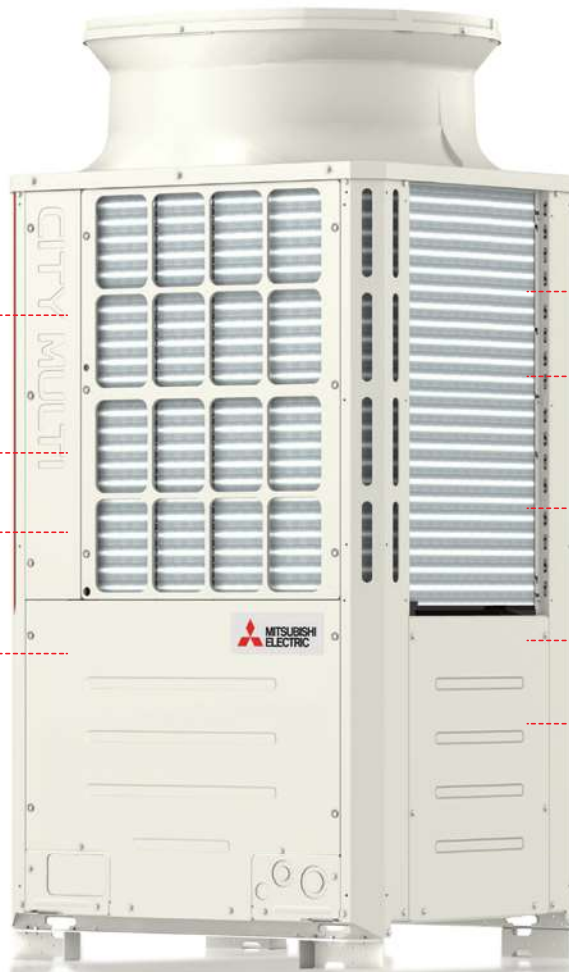
COMPRESSOR OPTIMISED WITH "MULTI-PORT" TECHNOLOGY

NEW AUTO-SHIFT MODE

NEW AUTO-SHIFT MODE PREHEAT DEFROST FUNCTION

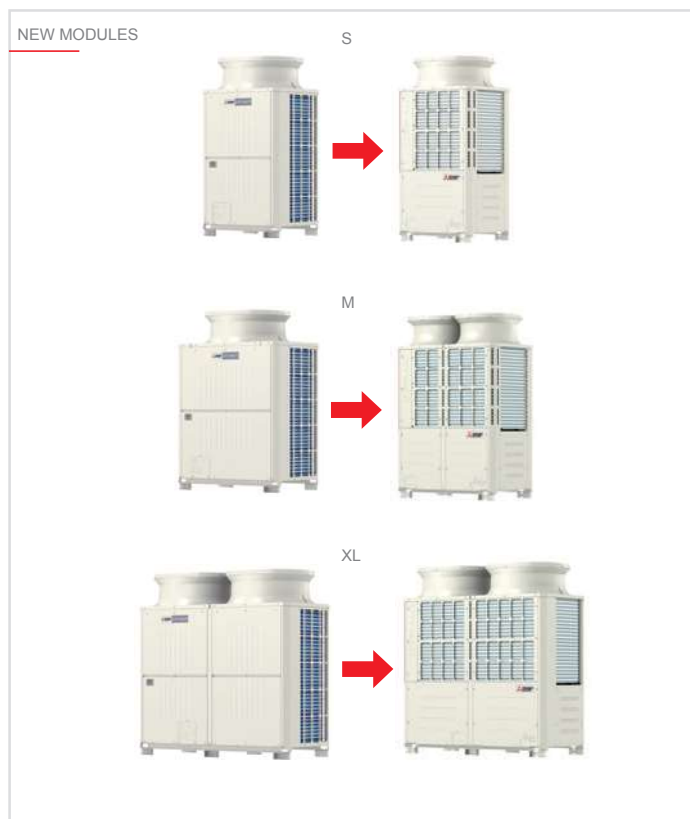
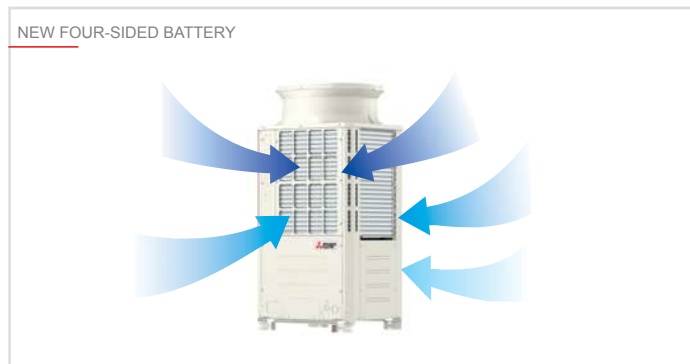
ADVANCED ETC CONTROL OF EVAPORATION TEMPERATURE.

FLEXIBLE NOISE SETTING



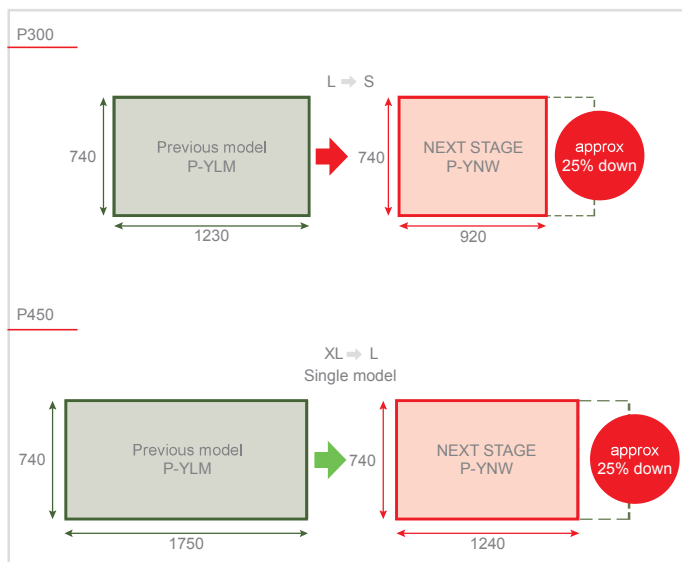
## New design

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.



## Technical specifications

MODEL			PUHY-P1300YSNW-A2(-BS)		PUHY-P1350YSNW-A2(-BS)	
HP			52		54	
Modules			PUHY-P (400+450+450)YNW-A2		PUHY-P (450+450+450)YNW-A2	
Power supply	V/Hz/n°		3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling	Capacity (nominal) *1	kW	145,0		150,0	
	Power input (nominal)	kW	57,08		58,36	
	SEER		6,09		6,28	
	Temperature operating field	Indoor WB	°C	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)	
Heating	Capacity (nominal) *2/ Capacity (max) *3	kW	145,0/162,0		150,0/168,0	
	Power input (nominal)/ Power input (max)	kW	39,61/47,23		41,32/49,55	
	SCOP		4,21		4,32	
	Temperature operating field	Indoor DB	°C	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)	
Sound level *4	Sound pressure (Sound power) level	dB(A)	70/75 (88/94)		70,5/76 (89/95)	
Connectable indoor units	Total Capacity		50~130% of outdoor unit capacity			
	Model/Quantity	CITY MULTI	P10~P250, M20~M140/3~50		P10~P250, M20~M140/3~50	
Ø Ref. piping diameter	Liquid	mm	19,05		19,05	
	Gas	mm	41,28		41,28	
Fan	Type x quantity		Propeller fan x 6		Propeller fan x 6	
	Air flow	m³/min	300+305+305		305+305+305	
Compressor	Type		Inverter scroll hermetic			
	Motor output	kW	11,4+11,7+11,7		11,7+11,7+11,7	
External dimensions	H(H*5)xWxD	mm	1858(1798)x1240x740 1858(1798)x1240x740 1858(1798)x1240x740		1858(1798)x1240x740 1858(1798)x1240x740 1858(1798)x1240x740	
Net weight		kg	277+293+293		293+293+293	
Refrigerant	Ref. Charge R410	kg	31,4		32,4	
	CO <sub>2</sub> eq.*5	Tons	65,56		67,65	

## Technical specifications

MODEL			PUHY-EP200YNW-A2 (-BS)	PUHY-EP250YNW-A2 (-BS)	PUHY-EP300YNW-A2 (-BS)	PUHY-EP350YNW-A2 (-BS)	PUHY-EP400YNW-A2 (-BS)
HP			8	10	12	14	16
Modules			PUHY-EP200YNW-A2	PUHY-EP250YNW-A2	PUHY-EP300YNW-A2	PUHY-EP350YNW-A2	PUHY-EP400YNW-A2
Power supply	V/Hz/n°		3-phase 4-wire 380-400-415 V 50/60 Hz				
Cooling	Capacity (nominal) *1	kW	22.4	28.0	33.5	40.0	45.0
	Power input (nominal)	kW	5,51	8,21	9,68	12,42	14,65
	SEER		7,76	7,51	7,26	7,03	6,83
	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	22.4 / 25.0	28.0 / 31.5	33.5 / 37.5	40.0 / 45.0	45.0 / 50.0
	Power input (nominal)/ Power input (max)	kW	5,01 / 5,93	6,84 / 8,13	8,27 / 9,84	9,77 / 11,81	11,65 / 13,85
	SCOP		4,36	4,40	4,12	4,35	4,25
	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)	58.0/59.0 (75/78)	60.0/61.0 (78/80)	61.0/64.5 (80/84)	62.0/64.0 (80/83)	65.0/65.5 (82/85)
Connectable indoor units	Total Capacity		50~130% of outdoor unit capacity				
	Model/Quantity	CITY MULTI	P10~P250, M20~M140/1~20	P10~P250, M20~M140/1~25	P10~P250, M20~M140/1~30	P10~P250, M20~M140/1~35	P10~P250, M20~M140/1~40
Ø Ref. piping diameter	Liquid	mm	9.52	9.52	9.52	12.7	12.7
	Gas	mm	22.2	22.2	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
	Air flow	m³/min	170	185	240	270	270
Compressor	Type		Inverter scroll hermetic compressor				
	Motor output	kW	3.4	5.1	6.1	7.7	9.8
External dimensions	H(H*5)xWxD	mm	1858(1798)x920x740	1858(1798)x920x740	1858(1798)x920x740	1858(1798)x1240x740	1858(1798)x1240x740
Net weight		kg	228	228	231	282	303
Refrigerant	Ref. Charge R410	kg	6,5	6,5	6,5	9,8	10,8
	CO <sub>2</sub> eq.*5	Tons	13,57	13,57	13,57	20,46	22,55

\*1\*2\*3 Nominal conditions:

Nominal heating conditions: Indoor 20°C DB, Outdoor 7°C DB / 6°C WB, Piping length 7.5 m, vertical difference 0 m.  
Nominal cooling conditions: Indoor: 27°C DB / 19°C WB, Outdoor 35°C DB, Piping length 7.5 m, vertical difference 0 m

\*2 Capacità nominale (registrata Eurovent - Conto Termico e Detrazioni)

\*4 Values measured in anechoic chamber (Cooling mode/Heating mode)

\*5 Without legs

\*6 GWP value of HFC R410A 2088 according to 517 / 2014

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