R2 NEXT STAGE LINE

NEW

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

Made in Japan

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.

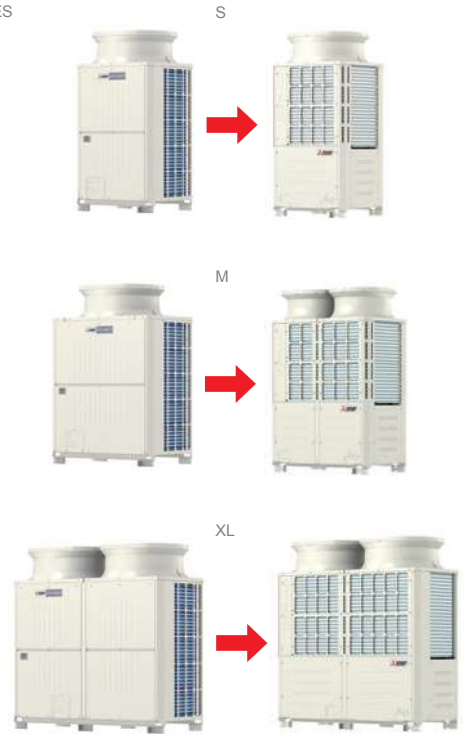
FLEXIBLE NOISE SETTING

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.

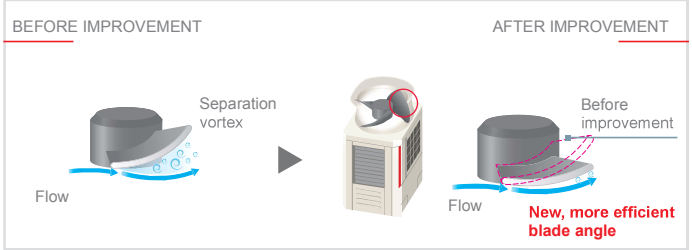
NEW FOUR-SIDED BATTERY

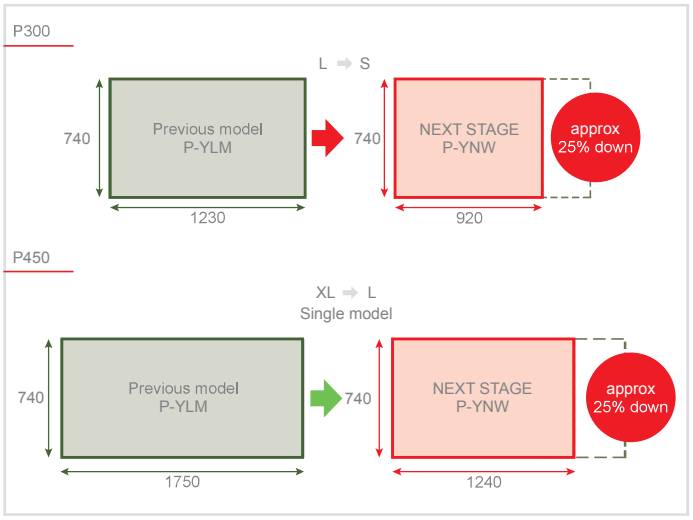
NEW MODULES



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

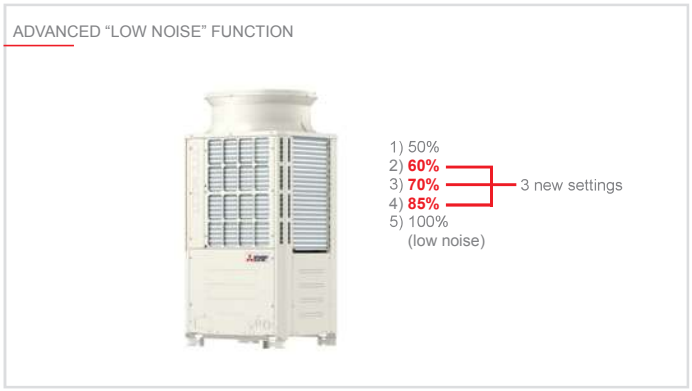
		Previous model	YNW
8HP	P200	S	S
10HP	P250	S	S
12HP	P300	L	S
14HP	P350	L	L
16HP	P400	L	L
18HP	P450	XL	L
20HP	P500	XL	XL

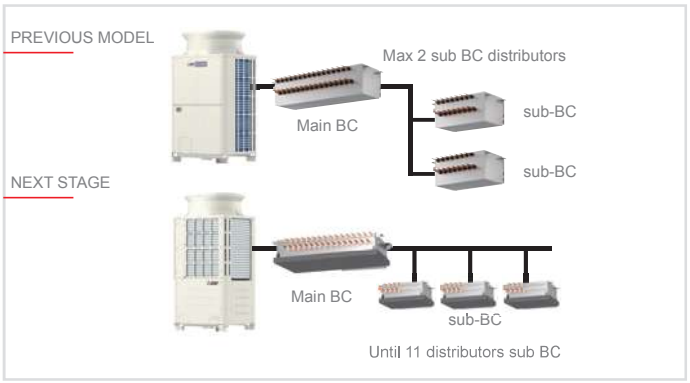
Advanced “Low Noise” function

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

NEXT STAGE generation · Inverter · M-NET POWER · Preheat Defrost · Low Noise · 52°C · Backup · High sensible heat · dual Setpoint · Auto shift · 80Pa · 90m · USB

Technical specifications

MODEL				PURY-P200YNW-A2(-BS)	PURY-P250YNW-A2(-BS)	PURY-P300YNW-A2(-BS)	PURY-P350YNW-A2(-BS)	PURY-P400YNW-A2(-BS)
HP				8	10	12	14	16
Modules				PURY-P200YNW-A2	PURY-P250YNW-A2	PURY-P300YNW-A2	PURY-P350YNW-A2	PURY-P400YNW-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	6.68	10.25	11.75	14.92	19.65
	SEER			7.27	6.85	6.34	5.98	5.82
	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)	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	33.5/33.5	40.0/45.0	45.0/50.0
	Power input (nominal)/ Power input (max)		kW	5.38/6.79	7.36/9.57	9.62/9.62	10.89/13.88	13.39/16.66
	SCOP			4.01	4.01	4.01	3.53	3.51
	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)	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 pression (Sound power) level		dB(A)	59/59 (76/76)	60.5/64 (78/83)	61/67 (80/86)	62.5/64 (81/83)	65/69 (83/88)
Connectable indoor units	Total Capacity			50~150% 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	15.88	19.05	19.05	19.05	22.2
	Gas		mm	19.05	22.2	22.2	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		m^3/min	170	220	240	250	315
Compressor	Type			Inverter scroll hermetic				
	Motor output		kW	5.0	8.0	9.2	12.0	16.1
External dimentions	H(H*5)xWxD		mm	1858(1798)x920x740	1858(1798)x920x740	1858(1798)x920x740	1858(1798)x1240x740	1858(1798)x1240x740
Net weight			kg	214	223	225	269	269
Refrigerant	Ref. Charge R410		kg	5.2	5.2	5.2	8.0	8.0
	CO_2 eq.*6		Tons	10.85	10.85	10.85	16.70	16.70

*1*2*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.
*2 Eurovent registered
*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