

Y NEXT STAGE LINE

OUTDOOR UNITS - PUHY-(E)P Y(S)NW-A1(-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

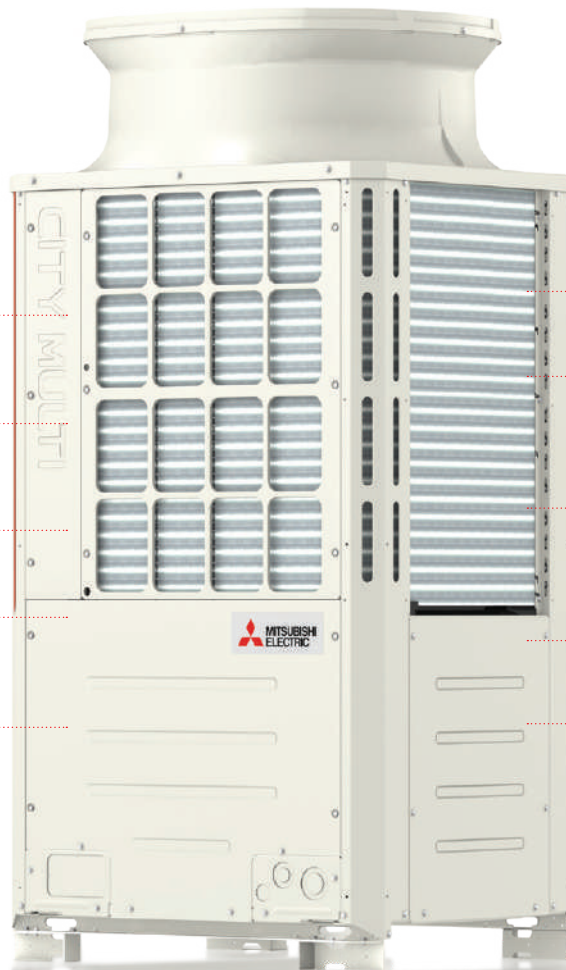
COMPRESSOR
OPTIMISED WITH
"MULTI-POR"™
TECHNOLOGY

NEW AUTO-SHIFT
MODE

NEW AUTO-SHIFT
MODE PREHEAT
DEFROST FUNCTION

ADVANCED ETC
CONTROL OF
EVAPORATION
TEMPERATURE.

FLEXIBLE NOISE
SETTING



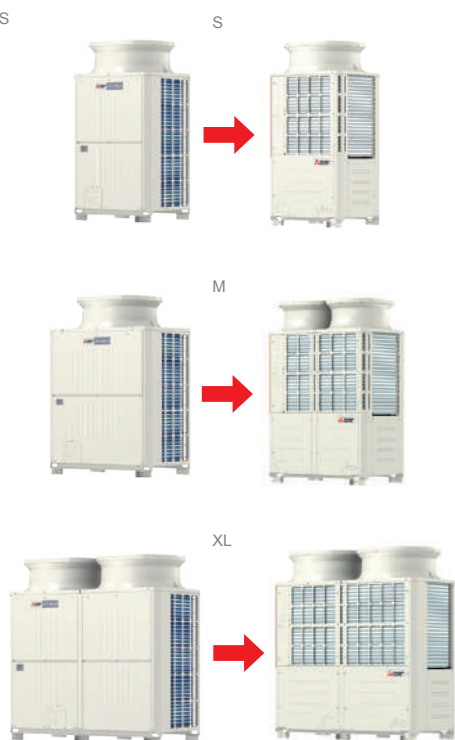
New design

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.

NEW FOUR-SIDED BATTERY



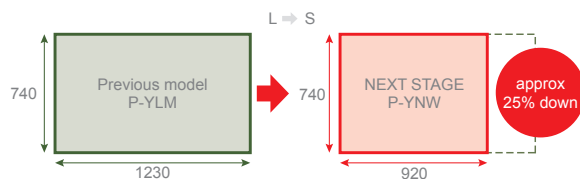
NEW MODULES



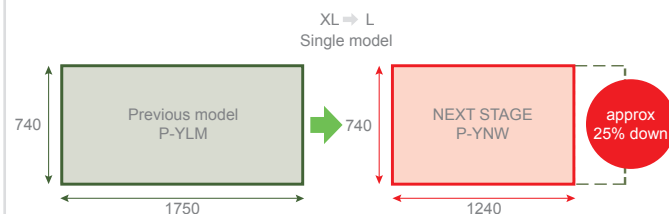
Single module

		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

P300



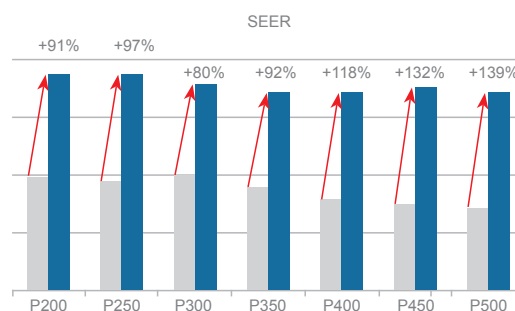
P450



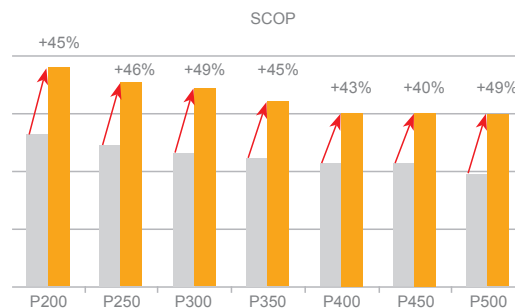
Energy saving

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% (P500). This allows the new YNW units to consume less energy in both cooling and heating. All year-round saving.

PREVIOUS MODEL
NEXT STAGE

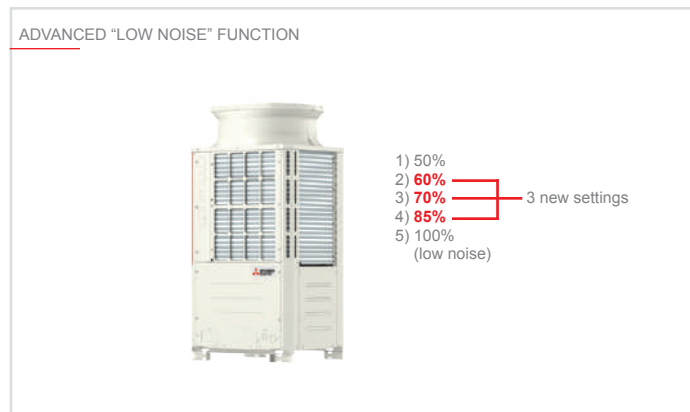


PREVIOUS MODEL
NEXT STAGE



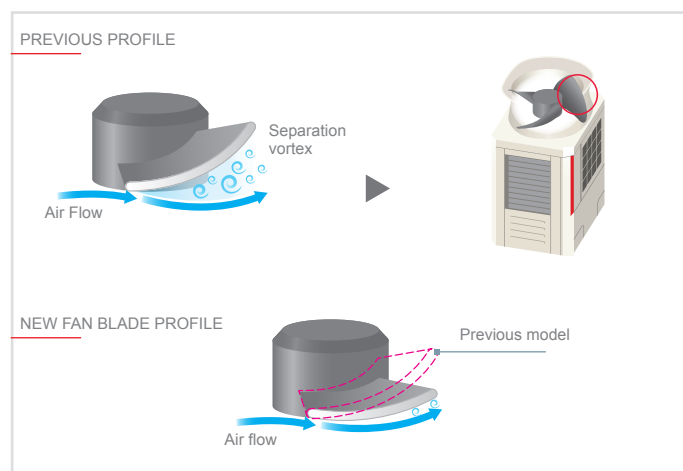
Advanced “Low Noise” function

“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).



Fan blade profile

The 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

Technical specifications

MODEL			PUHY-P200YNW-A1(-BS)	PUHY-P250YNW-A1(-BS)	PUHY-P300YNW-A1(-BS)	PUHY-P350YNW-A1(-BS)	PUHY-P400YNW-A1(-BS)
HP			8	10	12	14	16
Modules			PUHY-P200YNW-A1	PUHY-P250YNW-A1	PUHY-P300YNW-A1	PUHY-P350YNW-A1	PUHY-P400YNW-A1
Power supply	V/Hz/n°		3-phase 380-415V 50Hz				
Cooling	Capacity (nominal) **1	kW	22,4	28,0	33,5	40,0	45,0
	Power input (nominal)	kW	4,81	7,14	8,79	10,95	14,19
	EER		4,65	3,92	3,81	3,65	3,17
	SEER		7,5	7,0	6,7	6,7	6,39
	Temperature operating field						
	Indoor WB	°C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
	Outdoor DB	°C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52
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	4,35/5,10	6,02/7,20	7,11/8,46	8,65/10,39	10,46/12,37
	COP/COP max		5,14/4,90	4,65/4,37	4,71/4,43	4,62/4,33	4,30/4,04
	SCOP		4,39	4,21	4,16	4,24	4,13
	Temperature operating field						
	Indoor WB	°C	+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
Sound level **4	Sound pressure (Sound power) level	dB(A)	58/59 (75/77)	60/61 (78/80)	61/64,5 (80/84)	62/64 (80/83)	65/67 (82/86)
Connectable indoor units	Total Capacity		50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI	P10-P250/1-20	P10-P250/1-25	P10-P250/1-30	P10-P250/1-35	P10-P250/1-40
Ø Ref. piping diameter	Liquid	mm	9,52	9,52	9,52	12,7	12,7
	Gas	mm	22,2	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	m³/min	170	185	240	270	300
Compressor	Type		Inverter scroll hermetic				
	Motor output	kW	3,5	5,3	6,7	8,6	11,4
External dimensions	H(H*)xWxD	mm	1858(1798)x920x740	1858(1798)x920x740	1858(1798)x920x740	1858(1798)x1240x740	1858(1798)x1240x740
Net weight		kg	213	213	226	277	277
Refrigerant	Ref. Charge R410	kg	6,5	6,5	6,5	9,8	9,8
	CO ₂ eq. **5	Tons	13,57	13,57	13,57	20,46	20,46

12**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 R410A2088 according to 517 / 2014

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

Technical specifications

MODEL				PUHY-P450YNW-A1(-BS)	PUHY-P500YNW-A1(-BS)	PUHY-P400YSNW-A1(-BS)	PUHY-P450YSNW-A1(-BS)	PUHY-P500YSNW-A1(-BS)
HP				18	20	16	18	20
Modules				PUHY-P450YNW-A1	PUHY-P500YNW-A1	PUHY-P(200+200)YNW-A1	PUHY-P(200+250)YNW-A1	PUHY-P(250+250)YNW-A1
Power supply	V/Hz/n°			3-phase 380-415V 50Hz				
Cooling	Capacity (nominal) *1	kW		50,0	56,0	45,0	50,0	56,0
	Power input (nominal)	kW		14,57	17,55	9,97	12,16	14,73
	EER			3,43	3,19	4,51	4,11	3,80
	SEER			6,48	6,32	7,42	7,19	7,02
	Temperature operating field	Indoor WB	°C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
		Outdoor DB	°C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52
Heating	Capacity (nominal) *2/ Capacity (max) *3	kW		50,0/56,0	56,0/63,0	45,0/50,0	50,0/56,0	56,0/63,0
	Power input (nominal)/ Power input (max)	kW		11,68/14,00	13,42/15,98	9,03/10,52	10,59/12,55	12,41/14,89
	COP/COP max			4,28/4,00	4,17/3,94	4,98/4,75	4,72/4,46	4,51/4,23
	SCOP			4,00	3,91	4,27	4,16	4,08
	Temperature operating field	Indoor WB	°C	+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
Sound level *4	Sound pressure (Sound power) level	dB(A)		65,5/69,5 (84/89)	63,5/66,5 (82/85)	61/62 (78/80)	62/63 (80/82)	63/64 (81/83)
Connectable indoor units	Total Capacity			50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI		P10-P250/1-45	P10-P250/1-50	P10-P250/1-40	P10-P250/1-45	P10-P250/1-50
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				
	Motor output	kW		11,7	13,3	3,5+3,5	3,5+5,3	5,3+5,3
External dimensions	H(H*)xWxD	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		293	334	213+213	213+213	213+213
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-P550YSNW-A1(-BS)	PUHY-P600YSNW-A1(-BS)	PUHY-P650YSNW-A1(-BS)	PUHY-P700YSNW-A1(-BS)	PUHY-P750YSNW-A1(-BS)
HP				22	24	26	28	30
Modules				PUHY-P(250+300)YNW-A1	PUHY-P(300+300)YNW-A1	PUHY-P(250+400)YNW-A1	PUHY-P(350+350)YNW-A1	PUHY-P(350+400)YNW-A1
Power supply	V/Hz/n°			3-phase 380-415V 50Hz				
Cooling	Capacity (nominal) *1	kW		63,0	69,0	73,0	80,0	85,0
	Power input (nominal)	kW		16,84	18,69	21,79	22,59	25,83
	EER			3,74	3,69	3,35	3,54	3,29
	SEER			6,76	6,57	6,50	6,63	6,46
	Temperature operating field	Indoor WB	°C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
		Outdoor DB	°C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52
Heating	Capacity (nominal) *2/ Capacity (max) *3	kW		63,0/69,0	69,0/76,5	73,0/81,5	80,0/88,0	85,0/95,0
	Power input (nominal)/ Power input (max)	kW		13,87/16,15	15,13/17,83	16,97/20,17	17,85/20,95	19,72/23,45
	COP/COP max			4,54/4,27	4,56/4,29	4,30/4,04	4,48/4,20	4,31/4,05
	SCOP			4,06	4,03	4,04	4,10	4,05
	Temperature operating field	Indoor WB	°C	+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
Sound level *4	Sound pressure (Sound power) level	dB(A)		63,5/66 (82/85)	64/67,5 (83/87)	66,5/68 (83/87)	65/67 (83/86)	67/68,5 (84/88)
Connectable indoor units	Total Capacity			50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI		P10-P250/2-50	P10-P250/2-50	P10-P250/2-50	P10-P250/2-50	P10-P250/2-50
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+300	270+270	270+300
Compressor	Type			Inverter scroll hermetic				
	Motor output	kW		5,3+6,7	6,7 + 6,7	5,3 + 11,4	8,6+8,6	8,6+11,4
External dimensions	H(H*)xWxD	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		213+226	226+226	213+277	277+277	277+277
Refrigerant	Ref. Charge R410	kg		13	13	16,3	19,6	19,6
	CO ₂ eq. *5	Tons		27,14	27,14	34,03	40,92	40,92

*1~*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

Technical specifications

MODEL				PUHY-P800YSNW-A1(-BS)	PUHY-P850YSNW-A1(-BS)	PUHY-P900YSNW-A1(-BS)	PUHY-P950YSNW-A1(-BS)	PUHY-P1000YSNW-A1(-BS)
HP				32	34	36	38	40
Modules				PUHY-P(350+450)YNW-A1	PUHY-P(400+450)YNW-A1	PUHY-P(450+450)YNW-A1	PUHY-P (250+350+350)YNW-A1	PUHY-P (250+350+400)YNW-A1
Power supply	V/Hz/n°			3-phase 380-415V 50Hz				
Cooling	Capacity (nominal) *1	kW		90	96,0	101,0	108,0	113,0
	Power input (nominal)	kW		26,31	30,0	30,42	30,0	33,13
	EER			3,42	3,20	3,32	3,60	3,41
	SEER			6,48	6,38	6,41	6,72	6,59
	Temperature operating field	Indoor WB °C		+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
		Outdoor DB °C		-5~+52	-5~+52	-5~+52	-5~+52	-5~+52
Heating	Capacity (nominal) *2/ Capacity (max) *3	kW		90,0/100,0	96,0/108,0	101,0/113,0	108,0/119,5	113,0/127,0
	Power input (nominal)/ Power input (max)	kW		20,97/24,87	23,07/27,76	24,33/29,12	24,10/28,38	25,91/31,05
	COP/COP max			4,29/4,02	4,16/3,89	4,15/3,88	4,48/4,21	4,36/4,09
	SCOP			3,88	3,86	3,71	4,09	4,06
	Temperature operating field	Indoor WB °C		+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
Sound level **	Sound pression (Sound power) level	dB(A)		67,5/71 (85/90)	68,5/71,5 (86/91)	68,5/72,5 (87/92)	66/68 (84/87)	68/69,5 (85/88)
Connectable indoor units	Total Capacity			50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI		P10-P250/2-50	P10-P250/2-50	P10-P250/2-50	P10-P250/2-50	P10-P250/2-50
Ø Ref. piping diameter	Liquid	mm		19,05	19,05	19,05	19,05	19,05
	Gas	mm		34,93	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 5	Propeller fan x 5
	Air flow	m³/min		270+305	300+305	305+305	185+270+270	185+270+300
Compressor	Type			Inverter scroll hermetic				
	Motor output	kW		8,6+11,7	11,4+11,7	11,7+11,7	5,3+8,6+8,6	5,3+8,6+11,4
External dimentions	H(H*)xWxD	mm		1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x920x740 1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x920x740 1858(1798)x1240x740 1858(1798)x1240x740
Net weight		kg		277+293	277+293	293+293	213+277+277	213+277+277
Refrigerant	Ref. Charge R410	kg		20,6	20,6	21,6	26,1	26,1
	CO ₂ eq.*5	Tons		43,01	43,01	45,10	54,49	54,49

Technical specifications

MODEL				PUHY-P1050YSNW-A1(-BS)	PUHY-P1100YSNW-A1(-BS)	PUHY-P1150YSNW-A1(-BS)	PUHY-P1200YSNW-A1(-BS)	PUHY-P1250YSNW-A1(-BS)
HP				42	44	46	48	50
Modules				PUHY-P (250+400+400)YNW-A1	PUHY-P (350+350+400)YNW-A1	PUHY-P (350+400+400)YNW-A1	PUHY-P (400+400+400)YNW-A1	PUHY-P (400+400+450)YNW-A1
Power supply	V/Hz/n°			3-phase 380-415V 50Hz				
Cooling	Capacity (nominal) *1	kW		118,0	124,0	130,0	136,0	140,0
	Power input (nominal)	kW		36,41	36,79	40,49	44,29	44,30
	EER			3,24	3,37	3,21	3,07	3,16
	SEER			6,47	6,49	6,38	6,29	6,30
	Temperature operating field	Indoor WB °C		+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
		Outdoor DB °C		-5~+52	-5~+52	-5~+52	-5~+52	-5~+52
Heating	Capacity (nominal) *2/ Capacity (max) *3	kW		118,0/132,0	124,0/140,0	130,0/145,0	136,0/150,0	140,0/156,5
	Power input (nominal)/ Power input (max)	kW		27,76/33,08	28,44/34,22	30,51/36,25	32,61/38,36	33,65/40,12
	COP/COP max			4,25/3,99	4,36/4,09	4,26/4,00	4,17/3,91	4,16/3,90
	SCOP			4,05	4,07	4,03	4,01	3,91
	Temperature operating field	Indoor WB °C		+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
Sound level **	Sound pression (Sound power) level	dB(A)		68,5/70,5 (86/90)	68,5/70 (86/89)	69/71 (86/90)	70/72 (87/91)	70/73 (88/92)
Connectable indoor units	Total Capacity			50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI		P10-P250/3-50	P10-P250/3-50	P10-P250/3-50	P10-P250/3-50	P10-P250/3-50
Ø Ref. piping diameter	Liquid	mm		19,05	19,05	19,05	19,05	19,05
	Gas	mm		41,28	41,28	41,28	41,28	41,28
Fan	Type x quantity			Propeller fan x 5	Propeller fan x 6	Propeller fan x 6	Propeller fan x 6	Propeller fan x 6
	Air flow	m³/min		185+300+300	270+270+300	270+300+300	300+300+300	300+300+305
Compressor	Type			Inverter scroll hermetic				
	Motor output	kW		5,3+11,4+11,4	8,6+8,6+11,4	8,6+11,4+11,4	11,4+11,4+11,4	11,4+11,4+11,7
External dimentions	H(H*)xWxD	mm		1858(1798)x920x740 1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740 1858(1798)x1240x740
Net weight		kg		213+277+277	277+277+277	277+277+277	277+277+277	277+277+293
Refrigerant	Ref. Charge R410	kg		26,1	29,4	29,4	29,4	30,4
	CO ₂ eq.*5	Tons		54,49	61,38	61,38	61,38	63,47

*1~*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

° Capacità nominale (registrata Eurovent - Conto Termico e Detrazioni)

° Values measured in anechoic chamber (Cooling mode/Heating mode)

° Without legs

° 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-P1300YSNW-A1(-BS)	PUHY-P1350YSNW-A1(-BS)
HP				52	54
Modules				PUHY-P (400+450+450)YNW-A1	PUHY-P (450+450+450)YNW-A1
Power supply	V/Hz/n°			3-phase 380-415V 50Hz	
Cooling	Capacity (nominal) *1	kW		146,0	150,0
	Power input (nominal)	kW		45,06	45,18
	EER			3,24	3,32
	SEER			6,32	6,34
	Temperature operating field	Indoor WB °C		+15~+24	+15~+24
		Outdoor DB °C		-5~+52	-5~+52
Heating	Capacity (nominal) *2/ Capacity (max) *3	kW		146,0/163,0	150,0/168,0
	Power input (nominal)/ Power input (max)	kW		35,18/41,90	36,14/43,29
	COP/COP max			4,15/3,89	4,15/3,88
	SCOP			3,81	3,71
	Temperature operating field	Indoor WB °C		+15~+27	+15~+27
		Outdoor DB °C		-20~+15,5	-20~+15,5
Sound level *4	Sound pression (Sound power) level	dB(A)		70/73,5 (88/93)	70,5/74,5 (89/94)
Connectable indoor units	Total Capacity			50-130%	50-130%
	Model/Quantity	CITY MULTI		P10-P250/3-50	P15-P250/1-39
Ø Ref. piping diameter	Liquid	mm		19,05	15,88
	Gas	mm		41,28	28,58
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 dimentions	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		31,14	32,4
	CO ₂ eq.*5	Tons		65,56	67,65

Technical specifications

MODEL				PUHY-EP200YNW-A1 (-BS)	PUHY-EP250YNW-A1 (-BS)	PUHY-EP300YNW-A1 (-BS)	PUHY-EP350YNW-A1 (-BS)	PUHY-EP400YNW-A1 (-BS)
HP				8	10	12	14	16
Modules				PUHY-EP200YNW-A1	PUHY-EP250YNW-A1	PUHY-EP300YNW-A1	PUHY-EP350YNW-A1	PUHY-EP400YNW-A1
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		4.47	6.55	7.73	9.97	12.39
	EER			5.01	4.27	4.33	4.01	3.63
	SEER			7.76	7.51	7.26	7.03	7.02
	Temperature operating field	Indoor WB °C		+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
		Outdoor DB °C		-5~+52	-5~+52	-5~+52	-5~+52	-5~+52
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		4.29 / 4.97	5.89 / 7.00	6.76 / 8.06	8.28 / 9.91	10.02 / 11.90
	COP/COP max			5.22 / 5.03	4.75 / 4.50	4.95 / 4.65	4.83 / 4.54	4.49 / 4.20
	SCOP			4.45	4.31	4.22	4.40	4.28
	Temperature operating field	Indoor WB °C		+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
Sound level *4	Sound pression (Sound power) level	dB(A)		58.0/59.0 (75/78)	60.0/61.0 (78/80)	61.0/64.5 (80/84)	62.0/63.5 (80/83)	65.0/65.5 (82/84)
Connectable indoor units	Total Capacity			50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI		P10-P250/1-20	P10-P250/1-25	P10-P250/1-30	P10-P250/1-35	P10-P250/1-40
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 dimentions	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 ₂ 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 2008 according to 517 / 2014

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

Technical specifications

MODEL				PUHY-EP450YNW-A1 (-BS)	PUHY-EP500YNW-A1 (-BS)	PUHY-EP400YSNW-A1 (-BS)	PUHY-EP450YSNW-A1 (-BS)	PUHY-EP500YSNW-A1 (-BS)
HP				18	20	16	18	20
Modules				PUHY-EP450YNW-A1	PUHY-EP500YNW-A1	PUHY-EP(200+200)YNW-A1	PUHY-EP(200+250)YNW-A1	PUHY-EP(250+250)YNW-A1
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	45.0	50.0	56.0
	Power input (nominal)	kW		13.85	16.56	9.27	11.21	13.52
	EER			3.61	3.38	4.85	4.46	4.14
	SEER			7.07	6.55	7.90	7.70	7.57
	Temperature operating field	Indoor WB °C		+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
			Outdoor DB °C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52
Heating	Capacity (nominal) *2/ Capacity (max) *3	kW		50.0 / 56.0	56.0 / 63.0	45.0 / 50.0	50.0 / 56.0	56.0 /
	Power input (nominal)/ Power input (max)	kW		11.38 / 13.65	13.36 / 15.94	8.89 / 10.26	10.39 / 12.20	12.17 /
	COP/COP max			4.39 / 4.10	4.19 / 3.95	5.06 / 4.87	4.81 / 4.59	4.60 /
	SCOP			4.17	4.02	4.33	4.24	4.18
	Temperature operating field	Indoor WB °C		+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
Sound level **	Sound pression (Sound power) level	dB(A)		65.5/69.5 (84/88)	63.5/66.5 (82/85)	61.0/62.0 (78/81)	62.0/63.0 (80/82)	63.0/64.0 (81/83)
Connectable indoor units	Total Capacity			50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI		P10-P250/1-45	P10-P250/1-50	P10-P250/1-40	P10-P250/1-45	P10-P250/1-50
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	5.1 + 3.4	5.1 + 5.1
External dimention	H(H*5)xWxD	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.*6	Tons		22,55	22,55	27,14	27,14	27,14

Technical specifications

MODEL				PUHY-EP550YSNW-A1 (-BS)	PUHY-EP600YSNW-A1 (-BS)	PUHY-EP650YSNW-A1 (-BS)	PUHY-EP700YSNW-A1 (-BS)	PUHY-EP750YSNW-A1 (-BS)
HP				22	24	26	28	30
Modules				PUHY-EP(250+300)YNW-A1	PUHY-EP(300+300)YNW-A1	PUHY-EP(250+400)YNW-A1	PUHY-EP(350+350)YNW-A1	PUHY-EP(350+400)YNW-A1
Power supply	V/Hz/n°			3-phase 4-wire 380-400-415 V 50/60 Hz				
Cooling	Capacity (nominal) *1	kW		63.0	69.0	73.0	80.0	85.0
	Power input (nominal)	kW		15.10	16.42	19.46	20.61	23.03
	EER			4.17	4.20	3.75	3.88	3.69
	SEER			7.38	7.24	7.06	6.92	6.91
	Temperature operating field	Indoor WB °C		+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
			Outdoor DB °C	-5~+52	-5~+52	-5~+52	-5~+52	-5~+52
Heating	Capacity (nominal) *2/ Capacity (max) *3	kW		63.0 / 69.0	69.0 / 76.5	73.0 / 81.5	80.0 / 88.0	85.0 / 95.0
	Power input (nominal)/ Power input (max)	kW		13.37 / 15.54	14.37 / 16.96	16.40 / 19.49	17.09 / 20.00	18.88 / 22.51
	COP/COP max			4.71 / 4.44	4.80 / 4.51	4.45 / 4.18	4.68 / 4.40	4.50 / 4.22
	SCOP			4.14	4.10	4.16	4.26	4.20
	Temperature operating field	Indoor WB °C		+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
Sound level **	Sound pression (Sound power) level	dB(A)		63.5/66.0 (82/85)	64.0/67.5 (83/87)	66.5/67.0 (83/85)	65.0/66.5 (83/86)	67.0/67.5 (84/87)
Connectable indoor units	Total Capacity			50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI		P10-P250/2-50	P10-P250/2-50	P10-P250/2-50	P10-P250/2-50	P10-P250/2-50
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 dimention	H(H*5)xWxD	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.*6	Tons		27,14	27,14	36,12	40,92	43,01

*1~*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.

** Eurovent registered

** 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

Technical specifications

MODEL				PUHY-EP800YSNW-A1 (-BS)	PUHY-EP850YSNW-A1 (-BS)	PUHY-EP900YSNW-A1 (-BS)	PUHY-EP950YSNW-A1 (-BS)	PUHY-EP1000YSNW-A1 (-BS)
HP				32	34	36	38	40
Modules				PUHY-EP(350+450)YNW-A1	PUHY-EP(400+450)YNW-A1	PUHY-EP(450+450)YNW-A1	PUHY-EP(250+350+350)YNW-A1	PUHY-EP(250+350+400)YNW-A1
Power supply	V/Hz/n°			3-phase 4-wire 380-400-415 V 50/60 Hz				
Cooling	Capacity (nominal) *1	kW		90.0	96.0	101.0	108.0	113.0
	Power input (nominal)	kW		24.52	27.35	28.85	27.34	29.73
	EER			3.67	3.51	3.50	3.95	3.80
	SEER			6.94	6.97	6.99	7.09	7.06
	Temperature operating field	Indoor WB	°C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
			Outdoor DB	°C	-5~+52	-5~+52	-5~+52	-5~+52
Heating	Capacity (nominal) *2/ Capacity (max) *3	kW		90.0 / 100.0	96.0 / 108.0	101.0 / 113.0	108.0 / 119.5	113.0 / 127.0
	Power input (nominal)/ Power input (max)	kW		20.27 / 24.03	22.32 / 26.86	23.76 / 28.46	23.17 / 27.22	24.94 / 29.81
	COP/COP max			4.44 / 4.16	4.30 / 4.02	4.25 / 3.97	4.66 / 4.39	4.53 / 4.26
	SCOP			4.21	4.16	4.15	4.24	4.20
	Temperature operating field	Indoor WB	°C	+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
Sound level *4	Sound pressure (Sound power) level	dB(A)		67.5/70.5 (85/89)	68.5/71.0 (86/89)	68.5/72.5 (87/91)	66.0/67.5 (84/87)	68.0/68.5 (85/87)
Connectable indoor units	Total Capacity			50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI		P10-P250/2-50	P10-P250/2-50	P10-P250/2-50	P10-P250/2-50	P10-P250/2-50
Ø Ref. piping diameter	Liquid	mm		19.05	19.05	19.05	19.05	19.05
	Gas	mm		34.93	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 5	Propeller fan x 5
	Air flow	m³/min		270 + 305	270 + 305	305 + 305	185 + 270 + 270	185 + 270 + 270
Compressor	Type			Inverter scroll hermetic compressor				
	Motor output	kW		7.7 + 11.1	9.8 + 11.1	11.1 + 11.1	5.1 + 7.7 + 7.7	5.1 + 7.7 + 7.7
External dimensions	H(H*)xWxD	mm		1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x920x740 1858(1798)x920x740 1858(1798)x920x740	1858(1798)x920x740 1858(1798)x1240x740 1858(1798)x1240x740
Net weight		kg		282 + 303	303 + 303	303 + 303	282 + 282 + 282	228 + 228 + 303
Refrigerant	Ref. Charge R410	kg		20.6	21.6	21.6	26.1	27.1
	CO ₂ eq.*5	Tons		43.01	45.1	45.1	54.49	56.58

Technical specifications

MODEL				PUHY-EP1050YSNW-A1 (-BS)	PUHY-EP1100YSNW-A1 (-BS)	PUHY-EP1150YSNW-A1 (-BS)	PUHY-EP1200YSNW-A1 (-BS)	PUHY-EP1250YSNW-A1 (-BS)
HP				42	44	46	48	50
Modules				PUHY-EP(250+400+400)YNW-A1	PUHY-EP(350+350+400)YNW-A1	PUHY-EP(350+400+400)YNW-A1	PUHY-EP(400+400+400)YNW-A1	PUHY-EP(400+400+450)YNW-A1
Power supply	V/Hz/n°			3-phase 4-wire 380-400-415 V 50/60 Hz				
Cooling	Capacity (nominal) *1	kW		118.0	124.0	130.0	136.0	140.0
	Power input (nominal)	kW		32.24	33.06	35.81	38.63	39.88
	EER			3.66	3.75	3.63	3.52	3.51
	SEER			7.04	6.89	6.87	6.87	6.88
	Temperature operating field	Indoor WB	°C	+15~+24	+15~+24	+15~+24	+15~+24	+15~+24
			Outdoor DB	°C	-5~+52	-5~+52	-5~+52	-5~+52
Heating	Capacity (nominal) *2/ Capacity (max) *3	kW		118.0 / 132.0	124.0 / 140.0	130.0 / 145.0	136.0 / 150.0	140.0 / 156.5
	Power input (nominal)/ Power input (max)	kW		26.75 / 31.88	27.19 / 32.71	29.21 / 34.77	31.26 / 36.85	32.40 / 38.83
	COP/COP max			4.41 / 4.14	4.56 / 4.28	4.45 / 4.17	4.35 / 4.07	4.32 / 4.03
	SCOP			4.15	4.22	4.19	4.15	4.16
	Temperature operating field	Indoor WB	°C	+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
Sound level *4	Sound pressure (Sound power) level	dB(A)		68.5/69.0 (86/88)	68.5/69.0 (86/88)	69.0/69.5 (86/88)	70.0/70.5 (87/89)	70.0/72.0 (88/91)
Connectable indoor units	Total Capacity			50-130%	50-130%	50-130%	50-130%	50-130%
	Model/Quantity	CITY MULTI		P10-P250/3-50	P10-P250/3-50	P10-P250/3-50	P10-P250/3-50	P10-P250/3-50
Ø Ref. piping diameter	Liquid	mm		19.05	19.05	19.05	19.05	19.05
	Gas	mm		41.28	41.28	41.28	41.28	41.28
Fan	Type x quantity			Propeller fan x 5	Propeller fan x 6	Propeller fan x 6	Propeller fan x 6	Propeller fan x 6
	Air flow	m³/min		185 + 270 + 270	270 + 270 + 270	270 + 270 + 270	270 + 270 + 270	270 + 270 + 305
Compressor	Type			Inverter scroll hermetic compressor				
	Motor output	kW		5.1 + 9.8 + 9.8	7.7 + 7.7 + 9.8	7.7 + 9.8 + 9.8	9.8 + 9.8 + 9.8	9.8 + 9.8 + 11.1
External dimensions	H(H*)xWxD	mm		1858(1798)x920x740 1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740 1858(1798)x1240x740	1858(1798)x1240x740 1858(1798)x1240x740 1858(1798)x1240x740
Net weight		kg		228 + 303 + 303	282 + 282 + 303	228 + 303 + 303	303 + 303 + 303	303 + 303 + 303
Refrigerant	Ref. Charge R410	kg		28.1	30.4	30.4	32.4	32.4
	CO ₂ eq.*5	Tons		58.67	63.47	63.47	67.65	67.65

*1~*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

Technical specifications

MODEL			PUHY-EP1300YSNW-A1 (-BS)	PUHY-EP1350YSNW-A1 (-BS)
HP			52	54
Modules			PUHY-EP(400+450+450)YNW-A1	PUHY-EP(450+450+450)YNW-A1
Power supply	V/Hz/n°		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling	Capacity (nominal) *1	kW	146.0	150.0
	Power input (nominal)	kW	41.71	42.85
	EER		3.50	3.50
	SEER		6.90	6.91
	Temperature operating field	Indoor WB °C	+15~+24	+15~+24
		Outdoor DB °C	-5~+52	-5~+52
Heating	Capacity (nominal) *2/ Capacity (max) *3	kW	146.0 / 163.0	150.0 / 168.0
	Power input (nominal)/ Power input (max)	kW	34.11 / 40.75	35.29 / 42.31
	COP/COP max		4.28 / 4.00	4.25 / 3.97
	SCOP		4.16	4.15
	Temperature operating field	Indoor WB °C	+15~+27	+15~+27
		Outdoor DB °C	-20~+15,5	-20~+15,5
Sound level **4	Sound pressure (Sound power) level	dB(A)	70/73,5(88/92)	70.5/74.5 (89/93)
Connectable indoor units	Total Capacity		50-130%	50-130%
	Model/Quantity	CITY MULTI	P10-P250/3-50	P10-P250/3-50
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	270 + 305 + 305	305 + 305 + 305
Compressor	Type		Inverter scroll hermetic compressor	
	Motor output	kW	9.8 + 11.1 + 11.1	11.1 + 11.1 + 11.1
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	303 + 303 + 303	303 + 303 + 303
Refrigerant	Ref. Charge R410	kg	32,4	32,4
	CO ₂ eq.*5	Tons	67,65	67,65

*1~*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