

# Y ECOSTANDARD LINE

OUTDOOR UNITS - PUHY-P Y(S)KA(-BS)



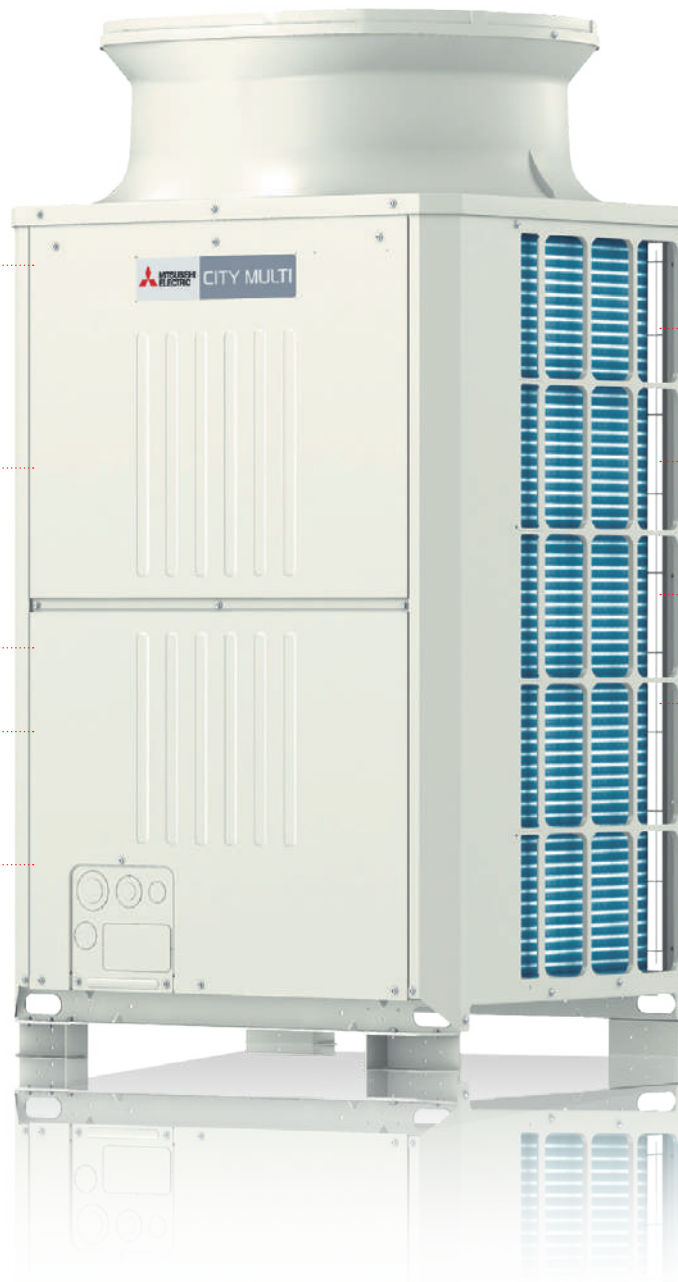
OUTDOOR UNIT  
OPTIMISED  
FOR COOLING  
PERFORMANCE (EER)

SINGLE MODULE  
SYSTEM FOR  
INSTALLATIONS UP TO  
20HP, FOR MINIMISED  
SPACE USAGE AND  
EXTREME SIMPLICITY  
OF INSTALLATION

EXTENDED  
OPERATING RANGE  
IN COOLING MODE,  
WITH MAXIMUM  
TEMPERATURES UP  
TO 52°C

MAX SIZE UP TO 60 HP

EVAPORATING  
TEMPERATURE  
CONTROL SYSTEM  
(E.T.C.)



NEW FLANGED  
DUCT AND NEW DC  
INVERTER FAN MOTOR

MORE COMPACT  
AND LIGHTER THAN  
YHA OUTDOOR UNIT  
SERIES

CONVENTIONAL  
BI-METAL (COPPER/  
ALUMINIUM) HEAT  
EXCHANGER

EXTENDED PIPING  
LENGHT

Technical specifications				PUHY-P200YKA(-BS)	PUHY-P250YKA(-BS)	PUHY-P300YKA(-BS)	PUHY-P350YKA(-BS)	PUHY-P400YKA(-BS)	PUHY-P450YKA(-BS)	PUHY-P500YKA(-BS)
MODEL Single				8	10	12	14	16	18	20
HP			3 phase 380-400-415 50Hz							
Power supply	Tens./Freq./Phase	V/Hz/n*	3 phase 380-400-415 50Hz							
Cooling	Capacity <sup>*1</sup>	kW	22.4	28	33.5	40	45	48	55	
	Power input	kW	5,19	6,89	8,86	11,69	13,55	15,78	18,39	
	EER		4,31	4,06	3,78	3,42	3,32	3,04	2,99	
	SEER		7.12	7.28	6.39	6.67	6.30	6.13	6.44	
	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 <sup>*2</sup>	kW	22.4	28	33.5	40	45	48	55	
	Power input	kW	5,05	6,33	8,11	9,61	10,92	13,33	15,71	
	COP		4,43	4,42	4,13	4,16	4,12	3,6	3,5	
	SCOP		4.12	3.87	3.92	3.56	3.50	3.50	3.51	
	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 pressure level <sup>*3</sup>			57	58	61	61	63	63	65	
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	50 to 130% of O.U. capacity	
	Model/Quantity	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	
Ø Ref. piping diameter	Liquid/Gas	9,52/22,2		9,52/22,2	9,52/22,2	9,52/28,58	12,7/28,58	15,88/28,58	15,88/28,58	
External dimentions	(HxLxD)	mm	1650x920x740	1650x920x740	1650x920x740	1650x1220x740	1650x1220x740	1650x1220x740	1650x1750x740	
Net weight			195	195	211	256	253	253	288	
Ref. Charge R410 <sup>*4</sup> /CO <sub>2</sub> Eq			8/16,7	8/16,7	8/16,7	11,5/24,01	11,5/24,01	11,5/24,01	11,8/24,64	

Technical specifications				PUHY-P550YKA(-BS)	PUHY-P600YKA(-BS)	PUHY-P650YKA(-BS)	PUHY-P700YKA(-BS)	PUHY-P750YKA(-BS)	PUHY-P800YKA(-BS)
MODEL Double				22	24	26	28	30	32
HP			3 phase 380-400-415 50Hz						
Modules			PUHY-P250YKA PUHY-P300YKA	PUHY-P250YKA PUHY-P350YKA	PUHY-P250YKA PUHY-P400YKA	PUHY-P250YKA PUHY-P450YKA	PUHY-P300YKA PUHY-P450YKA	PUHY-P300YKA PUHY-P450YKA	PUHY-P400YKA PUHY-P400YKA
Twinning joint			CMY-Y100VBK3	CMY-Y100VBK3	CMY-Y100VBK3	CMY-Y200VBK2	CMY-Y200VBK2	CMY-Y200VBK2	CMY-Y200VBK2
Power supply	Tens./Freq./Phase	V/Hz/n*	3 phase 380-400-415 50Hz						
Cooling	Capacity <sup>*1</sup>	kW	63	68	73	76	81,5	90	
	Power input	kW	16,07	18,18	19,78	21,4	23,9	27,1	
	EER		3,92	3,74	3,69	3,55	3,41	3,32	
	SEER		6,67	6,79	6,75	6,14	5,70	6,44	
	Temperature operating field	Indoor WB	°C	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	
Heating	Capacity <sup>*2</sup>	kW	63	68	73	76	81,5	90	
	Power input	kW	15,51	16,7	18,02	20	22,2	23,01	
	COP		4,06	4,07	4,05	3,8	3,67	3,91	
	SCOP		3,76	3,81	3,57	3,45	3,40	3,38	
	Temperature operating field	Indoor WB	°C	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	
Sound pressure level <sup>*3</sup>			63	63	64,5	64,5	65,5	66	
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-P250/2~47		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/Gas	15,88/28,58		15,88/28,58	15,88/28,58	19,05/34,93	19,05/34,93	19,05/34,93	
External dimentions	(HxLxD)	mm	1650x920x740 1650x920x740	1650x920x740 1650x1220x740	1650x920x740 1650x1220x740	1650x920x740 1650x1220x740	1650x920x740 1650x1220x740	1650x1220x740 1650x1220x740	
Net weight			406	451	448	448	464	506	
Ref. Charge R410 <sup>*4</sup> /CO <sub>2</sub> Eq			16/33,4	19,5/33,4	19,5/33,4	19,5/48,02	19,5/48,02	23/48,02	

\*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.

### Technical specifications

MODEL Double			PUHY-P850YKA(-BS)	PUHY-P900YKA(-BS)	PUHY-P950YKA(-BS)	PUHY-P1000YKA(-BS)
HP			34	36	38	40
Modules			PUHY-P400YKA PUHY-P450YKA	PUHY-P450YKA PUHY-P450YKA	PUHY-P450YKA PUHY-P500YKA	PUHY-P500YKA PUHY-P500YKA
Twinning joint			CMY-Y200VBK2	CMY-Y200VBK2	CMY-Y200VBK2	CMY-Y200VBK2
Power supply	Tens./Freq./Phase	V/Hz/n°	3 phase 380-400-415 50Hz			
Cooling	Capacity*1	kW	93	96	103	110
	Power input	kW	29,24	31,57	34,21	36,78
	EER		3,18	3,04	3,01	2,99
	SEER		6,14	5,98	6,21	6,63
	Temperature operating field	Indoor WB	°C	15~24	15~24	15~24
Outdoor DB		°C	-5~52	-5~52	-5~52	-5~52
Heating	Capacity*2	kW	93	96	103	110
	Power input	kW	25,4	28,07	30,56	33,13
	COP		3,66	3,42	3,37	3,32
	SCOP		3,40	3,39	3,61	3,61
	Temperature operating field	Indoor WB	°C	15~27	15~27	15~27
Outdoor DB		°C	-20~15,5	-20~15,5	-20~15,5	-20~15,5
Sound pressure level*3		dB(A)	66	66	67,5	68
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
	Model/Quantity		P15-P250/2-50	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50
Ø Ref. piping diameter	Liquid/Gas		19,05/41,28	19,05/41,28	19,05/41,28	19,05/41,28
External dimentions	(HxLxD)	mm	1650x1220x740 1650x1220x740	1650x1220x740 1650x1220x740	1650x1220x740 1650x1750x740	1650x1750x740 1650x1750x740
Net weight		kg	506	506	541	576
Ref. Charge R410**/ CO <sub>2</sub> Eq		kg/Tons	23/48,02	23/48,02	23,3/48,65	23,6/49,28

### Technical specifications

MODEL Triple			PUHY-P1050YKA(-BS)	PUHY-P1100YKA(-BS)	PUHY-P1150YKA(-BS)	PUHY-P1200YKA(-BS)	PUHY-P1250YKA(-BS)	PUHY-P1300YKA(-BS)
HP			42	44	46	48	50	52
Modules			PUHY-P300YKA PUHY-P300YKA PUHY-P450YKA	PUHY-P300YKA PUHY-P350YKA PUHY-P450YKA	PUHY-P350YKA PUHY-P400YKA PUHY-P400YKA	PUHY-P400YKA PUHY-P400YKA PUHY-P400YKA	PUHY-P400YKA PUHY-P400YKA PUHY-P450YKA	PUHY-P400YKA PUHY-P450YKA PUHY-P450YKA
Twinning joint			CMY-Y300VBK3	CMY-Y300VBK3	CMY-Y300VBK3	CMY-Y300VBK3	CMY-Y300VBK3	CMY-Y300VBK3
Power supply	Tens./Freq./Phase	V/Hz/n°	3 phase 380-400-415 50Hz					
Cooling	Capacity*1	kW	115	121,5	130	135	138	141
	Power input	kW	32,57	35,63	38,8	40,66	43,12	45,77
	EER		3,53	3,41	3,35	3,32	3,2	3,08
	SEER		5,96	5,97	6,41	6,50	6,41	6,02
	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	-5~52
Heating	Capacity*2	kW	115	121,5	130	135	138	141
	Power input	kW	31,5	33,8	35,51	37,7	40,35	42,98
	COP		3,65	3,59	3,66	3,58	3,42	3,28
	SCOP		3,47	3,42	3,42	3,41	3,40	3,40
	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	-20~15,5
Sound pressure level*3		dB(A)	66,5	66,5	67,5	68	68	68
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-P250/2-50	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/Gas		19,05/41,28	19,05/41,28	19,05/41,28	19,05/41,28	19,05/41,28	19,05/41,28
External dimentions	(HxLxD)	mm	1650x920x740 1650x920x740 1650x1220x740	1650x920x740 1650x1220x740 1650x1220x740	1650x1220x740 1650x1220x740 1650x1220x740	1650x1220x740 1650x1220x740 1650x1220x740	1650x1220x740 1650x1220x740 1650x1220x740	1650x1220x740 1650x1220x740 1650x1220x740
Net weight		kg	675	720	762	759	759	759
Ref. Charge R410**/ CO <sub>2</sub> Eq		kg/Tons	27/57,41	31/64,72	34,5/72,03	34,5/72,03	34,5/72,03	34,5/72,03

Technical specifications				PUHY-P1350YKA(-BS)	PUHY-P1400YKA(-BS)	PUHY-P1450YKA(-BS)	PUHY-P1500YKA(-BS)
MODEL Triple				54	56	58	60
HP			54	56	58	60	60
Modules			PUHY-P450YKA PUHY-P450YKA PUHY-P450YKA	PUHY-P450YKA PUHY-P450YKA PUHY-P500YKA	PUHY-P450YKA PUHY-P500YKA PUHY-P500YKA	PUHY-P500YKA PUHY-P500YKA PUHY-P500YKA	PUHY-P500YKA PUHY-P500YKA PUHY-P500YKA
Twinning joint			CMY-Y300VBK3	CMY-Y300VBK3	CMY-Y300VBK3	CMY-Y300VBK3	CMY-Y300VBK3
Power supply	Tens./Freq./Phase	V/Hz/n°	3 phase 380-400-415 50Hz				
Cooling	Capacity <sup>1</sup>	kW	144	151	158	165	165
	Power input	kW	48,64	52,24	55,83	59,56	59,56
	EER		2,96	2,89	2,83	2,77	2,77
	SEER		5,91	6,23	6,34	6,44	6,44
	Temperature operating field	Indoor WB	°C	15~24	15~24	15~24	15~24
Outdoor DB		°C	-5~52	-5~52	-5~52	-5~52	-5~52
Heating	Capacity <sup>2</sup>	kW	144	151	158	165	165
	Power input	kW	46,15	49,5	52,49	56,12	56,12
	COP		3,12	3,05	3,01	2,94	2,94
	SCOP		3,39	3,50	3,51	3,51	3,51
	Temperature operating field	Indoor WB	°C	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 pressure level <sup>3</sup>			68	68,5	69,5	70	70
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
	Model/Quantity			P15-P250/2-50	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50
Ø Ref. piping diameter	Liquid/Gas			19,05/41,28	19,05/41,28	19,05/41,28	19,05/41,28
External dimensions	(HxLxD)	mm	1650x1220x740	1650x1220x740	1650x1220x740	1650x1750x740	1650x1750x740
			1650x1220x740	1650x1220x740	1650x1750x740	1650x1750x740	1650x1750x740
			1650x1220x740	1650x1750x740	1650x1750x740	1650x1750x740	1650x1750x740
Net weight			759	759	829	864	
Ref. Charge R410 <sup>4</sup> /CO <sub>2</sub> Eq			34,5/72,03	34,8/72,66	35,1/73,29	35,4/73,92	

Key Technologies									
