

Air Conditioning

Product Information

Y Series Standard (101-124kW)
Heat Pump Outdoor Unit (Heating or Cooling)

Making a
World of
Difference

CITY MULTI

next
GENERATION VRF



VRF 2 pipe technology and efficiency providing a simple and flexible solution where there is a demand for a changeover capability between heating and cooling for all indoor units, helping to ensure a constant and comfortable indoor climate.

Key Features

- Effective, efficient solution meeting all the market needs
- Delivers the highest levels of comfort, both thermally and acoustically
- Cost effective delivery



Cooling | Heating | Ventilation | Controls

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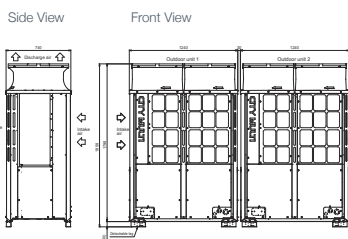


OUTDOOR UNITS		PUHY-P900YSNW-A	PUHY-P950YSNW-A	PUHY-P1000YSNW-A	PUHY-P1050YSNW-A	PUHY-P1100YSNW-A
CAPACITY (kW)	Heating (nominal)	113	120	127	132	140
	Cooling (nominal)	101	108	113	118	124
	High Performance Heating (UK)	101.7	108.0	114.3	118.8	126.0
	COP Priority Heating (UK)	97.2	103.2	109.2	113.5	120.4
	Cooling (UK)	95.3	101.9	106.6	111.3	117.0
POWER INPUT (kW)	Heating (nominal)	27.9	27.2	30.45	33.3	35.34
	Cooling (nominal)	24.44	26.13	27.74	29.35	31.87
	High Performance Heating (UK)	31.53	30.74	34.41	37.63	39.93
	COP Priority Heating (UK)	27.06	26.38	29.54	32.30	34.28
	Cooling (UK)	15.64	16.72	17.75	18.78	20.40
COP / EER (nominal)	4.04 / 3.97	4.39 / 4.13	4.17 / 4.07	3.96 / 4.02	3.69 / 3.89	
SCOP / SEER	- / -	- / -	- / -	- / -	- / -	
MAX No. OF CONNECTABLE INDOOR UNITS		50	50	50	50	
MAX CONNECTABLE CAPACITY		50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity
AIRFLOW (m³/min)	High	305 / 305	185 / 270 / 270	185 / 270 / 300	185 / 300 / 300	270 / 270 / 300
	Gas	41.28 (1-5/8")	41.28 (1-5/8")	41.28 (1-5/8")	41.28 (1-5/8")	41.28 (1-5/8")
PIPE SIZE mm (in)	Liquid	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")
	SOUND PRESSURE LEVEL (dBA)	72.5	68.0	69.5	70.5	70.0
SOUND POWER LEVEL (dBA)		91.5	87.0	88.5	89.5	88.0
WEIGHT (kg)		294 + 294	225 + 278 + 278	225 + 278 + 278	225 + 278 + 278	278 + 278 + 278
DIMENSIONS (mm)	Width	1240 + 1240	920 + 1240 + 1240	920 + 1240 + 1240	920 + 1240 + 1240	1240 + 1240 + 1240
	Depth	740	740	740	740	740
	Height	1858	1858	1858	1858	1858
(1798mm without legs)						
ELECTRICAL SUPPLY*1		380-415V, 50Hz	380-415V, 50Hz	380-415V, 50Hz	380-415V, 50Hz	380-415V, 50Hz
PHASE*1		Three	Three	Three	Three	Three
STARTING CURRENT (A)*1		8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A)*1	Heating / Cooling [MAX]	43.1 / 39.3 [37.1 + 37.1]	42.0 / 40.3 [17.8 + 26.4 + 26.4]	47.0 / 42.8 [17.8 + 26.4 + 31.9]	51.4 / 45.3 [17.8 + 31.9 + 31.9]	54.6 / 49.2 [26.4 + 26.4 + 31.9]
	Heating / Cooling	-20-15.5 / -5-52	-20-15.5 / -5-52	-20-15.5 / -5-52	-20-15.5 / -5-52	-20-15.5 / -5-52
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*1		1 x 40 / 1 x 40	1 x 20 / 1 x 32 / 1 x 32	1 x 20 / 1 x 32 / 1 x 32	1 x 20 / 1 x 32 / 1 x 32	1 x 32 / 1 x 32 / 1 x 32
MAINS CABLE No. Cores*1		4 / 4	4 / 4 / 4	4 / 4 / 4	4 / 4 / 4	4 / 4 / 4
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		21.6 / 45.1	26.1 / 54.5	26.1 / 54.5	26.1 / 54.5	29.4 / 61.4
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		46.4 / 96.9	45.9 / 95.8	45.9 / 95.8	45.9 / 95.8	45.6 / 95.2

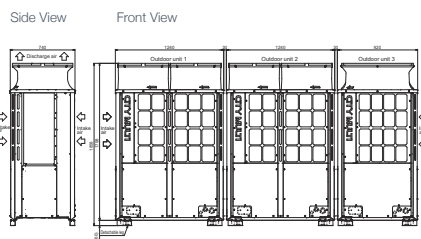
Note: ErP Lot 6 calculation method to EN14825. *1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.

PRODUCT DIMENSIONS

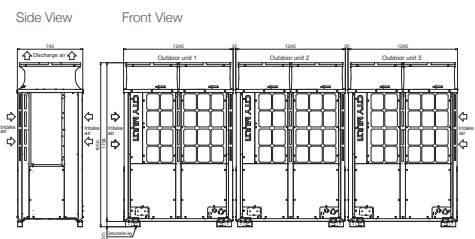
PUHY-P900YSNW-A



PUHY-P950/1000/1050YSNW-A



PUHY-P1100YSNW-A



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774) or R134a (GWP:1430). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows: R410A (GWP:1975), R32 (GWP: 550), R407C (GWP:1650) or R134a (GWP:1300).



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Effective as of November 2017

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OUTDOOR UNITS		PUHY-P1150YSNW-A	PUHY-P1200YSNW-A	PUHY-P1250YSNW-A	PUHY-P1300YSNW-A	PUHY-P1350YSNW-A
CAPACITY (kW)	Heating (nominal)	145	150	157	163	168
	Cooling (nominal)	130	136	140	146	150
	High Performance Heating (UK)	130.5	135.0	141.3	146.7	151.2
	COP Priority Heating (UK)	124.7	129.0	135.0	140.2	144.5
	Cooling (UK)	122.6	128.3	132.1	137.7	141.5
POWER INPUT (kW)	Heating (nominal)	38.32	41.42	41.40	41.55	41.4
	Cooling (nominal)	33.82	35.69	36.17	37.24	37.78
	High Performance Heating (UK)	43.30	46.80	46.78	46.95	46.78
	COP Priority Heating (UK)	37.17	40.18	40.16	40.30	40.16
	Cooling (UK)	21.64	22.84	23.15	23.83	24.18
COP / EER (nominal)		3.78 / 3.84	3.62 / 3.81	3.78 / 3.87	3.92 / 3.92	4.05 / 3.97
SCOP / SEER		- / -	- / -	- / -	- / -	- / -
MAX No. OF CONNECTABLE INDOOR UNITS		50	50	50	50	50
MAX CONNECTABLE CAPACITY		50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity
AIRFLOW (m³/min)	High	270 / 300 / 300	300 / 300 / 300	300 / 300 / 305	300 / 305 / 305	305 / 305 / 305
	Low	180 / 200 / 200	200 / 200 / 200	200 / 200 / 205	200 / 205 / 205	205 / 205 / 205
PIPE SIZE mm (in)	Gas	41.28 (1-5/8")	41.28 (1-5/8")	41.28 (1-5/8")	41.28 (1-5/8")	41.28 (1-5/8")
	Liquid	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")
SOUND PRESSURE LEVEL (dBA)		71.0	72.0	73.0	73.5	74.5
SOUND POWER LEVEL (dBA)		90.0	91.0	92.0	92.5	93.5
WEIGHT (kg)	Standard	278 + 278 + 278	278 + 278 + 278	278 + 278 + 294	278 + 294 + 294	294 + 294 + 294
	Light	278 + 278 + 278	278 + 278 + 278	278 + 278 + 294	278 + 294 + 294	294 + 294 + 294
DIMENSIONS (mm)	Width	1240 + 1240 + 1240	1240 + 1240 + 1240	1240 + 1240 + 1240	1240 + 1240 + 1240	1240 + 1240 + 1240
	Height	1858	1858	1858	1858	1858
(1798mm without legs)						
ELECTRICAL SUPPLY*1		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE*1		Three	Three	Three	Three	Three
STARTING CURRENT (A)*1		8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A)*1	Heating / Cooling [MAX]	59.2 / 52.2 [26.4 + 31.9 + 31.9]	64.0 / 55.1 [31.9 + 31.9 + 31.9]	63.9 / 55.9 [31.9 + 31.9 + 37.1]	64.2 / 57.5 [31.9 + 37.1 + 37.1]	63.9 / 58.3 [37.1 + 37.1 + 37.1]
GUARANTEED OPERATING RANGE (°C)	Heating / Cooling	-20~15.5 / -5~52	-20~15.5 / -5~52	-20~15.5 / -5~52	-20~15.5 / -5~52	-20~15.5 / -5~52
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*1		1 x 32 / 1 x 32 / 1 x 32	1 x 32 / 1 x 32 / 1 x 32	1 x 32 / 1 x 32 / 1 x 40	1 x 32 / 1 x 40 / 1 x 40	1 x 40 / 1 x 40 / 1 x 40
MAINS CABLE No. Cores*1		4 / 4 / 4	4 / 4 / 4	4 / 4 / 4	4 / 4 / 4	4 / 4 / 4
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		29.4 / 61.4	29.4 / 61.4	30.4 / 63.5	31.4 / 65.6	32.4 / 67.7
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		45.6 / 95.2	45.6 / 95.2	47.3 / 98.8	47.2 / 98.6	47.1 / 98.3

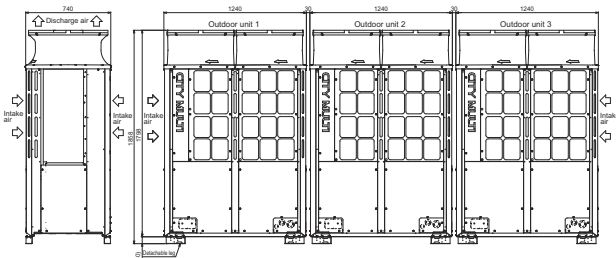
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PUHY-P1150/1200/1250/1300/1350YSNW-A

Side View

Front View



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Effective as of November 2017