

R2 Series VRF High Efficiency (22.4-45kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

Delivering outstanding Seasonal Energy Efficiency, the City Multi R2 Series VRF High Efficiency Heat Recovery system provides simultaneous heating and cooling, with the added benefit of heat recovery. As the only 2-pipe heat recovery system on the market, the **PURY-EP** range offers huge benefits in terms of ease of installation and maintenance, as well as complete design flexibility.

Key Features & Benefits

- High efficiency system delivers outstanding seasonal energy performance
- Heat recovery achieves energy savings of up to 30% over heat pump systems
- Provides simultaneous heating and cooling with a high level of thermal comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application



OUTDOOR UNITS		PURY-EP200YNW-A2	PURY-EP250YNW-A2	PURY-EP300YNW-A2	PURY-EP350YNW-A2	PURY-EP400YNW-A2	PURY-EP400YSNW-A2
CAPACITY (kW)	Heating (nominal max)	25.0	31.5	37.5	45.0	50.0	50.0
	Cooling (nominal)	22.4	28.0	33.5	40.0	45.0	44.8
	High Performance Heating (UK)	25.0	31.5	35.6	42.8	45.0	50.0
	COP Priority Heating (UK)	22.8	28.7	34.1	41.0	43.0	45.5
	Cooling (UK)	20.0	25.1	30.0	35.8	40.3	40.1
POWER INPUT (kW)	Heating (nominal max)	6.72	9.51	10.90	13.39	16.33	13.85
	Cooling (nominal)	6.38	9.75	11.20	14.23	18.75	13.17
	High Performance Heating (UK)	8.47	11.98	14.50	17.81	18.45	17.73
	COP Priority Heating (UK)	6.72	9.51	10.90	13.39	16.33	13.85
	Cooling (UK)	3.70	5.66	6.50	8.25	12.00	7.64
COP / EER (nominal max)		3.72 / 3.51	3.31 / 2.87	3.44 / 2.99	3.36 / 2.81	3.06 / 2.40	3.61 / 3.40
MAX No. OF CONNECTABLE INDOOR UNITS		20	25	30	35	40	40
MAX CONNECTABLE CAPACITY		50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity
AIRFLOW (m³/min)	High	170	185	240	250	315	170 / 170
	Liquid	15.88 (5/8")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")
PIPE SIZE mm (in)	Gas	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")
	Liquid	15.88 (5/8")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")
SOUND PRESSURE LEVEL (dBA) @ 1m Heating / Cooling		59.0 / 59.0	64.0 / 61.0	67.0 / 61.0	64.0 / 62.5	69.0 / 65.0	62.0 / 62.0
SOUND POWER LEVEL (dBA) @ 100% Capacity Heating / Cooling		76.0 / 76.0	83.0 / 78.0	86.0 / 80.0	83.0 / 81.0	88.0 / 83.0	79.0 / 79.0
SOUND POWER LEVEL (dBA) @ 90% Capacity Heating / Cooling		74.5 / 71.0	76.0 / 73.5	82.0 / 74.5	81.0 / 76.0	83.5 / 77.0	77.5 / 74.0
SOUND POWER LEVEL (dBA) @ 75% Capacity Heating / Cooling		71.5 / 66.5	74.5 / 69.5	77.5 / 70.5	77.0 / 73.0	78.0 / 73.0	74.5 / 69.5
WEIGHT (kg)		219	228	230	275	276	219 + 219
DIMENSIONS (mm)	Width	920	920	920	1240	1240	920 + 920
	Depth	740	740	740	740	740	740
	Height (1798mm without legs)	1858	1858	1858	1858	1858	1858
ELECTRICAL SUPPLY ^{*1}		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE ^{*1}		Three	Three	Three	Three	Three	Three
STARTING CURRENT (A) ^{*1}		8	8	8	8	8	8 / 8
NOMINAL SYSTEM RUNNING CURRENT (A) ^{*1} Heating / Cooling [MAX]		10.7 / 10.2 [16.1]	15.2 / 15.6 [20.3]	17.4 / 17.9 [22.3]	21.4 / 22.8 [24.8]	26.1 / 30.0 [33.3]	22.2 / 21.1 [16.1 + 16.1]
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	-20~15.5 / -5~52
FUSE RATING (MCB sizes BS EN 60947-2) - (A) ^{*1}		1 x 20	1 x 25	1 x 25	1 x 25	1 x 40	1 x 20 / 1 x 20
MAINS CABLE No. Cores ^{*1}		4 + earth	4 + earth	4 + earth	4 + earth	4 + earth	4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		5.2 / 10.9	5.2 / 10.9	5.2 / 10.9	8 / 16.7	8 / 16.7	10.4 / 21.7
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		28.3 / 59.1	34.3 / 71.6	34.3 / 71.6	39 / 81.4	39 / 81.4	48.6 / 101.5

Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB. Nominal Max Conditions: Heating; indoor 20°C DB; outdoor 7°C DB, 6°C WB.

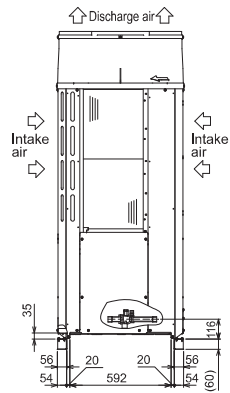
UK Conditions: Cooling; indoor 21°C DB, 15°C WB; outdoor 27°C DB, UK Conditions: Heating; indoor 20°C DB, outdoor 0°C DB, -1°C WB.

*1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.

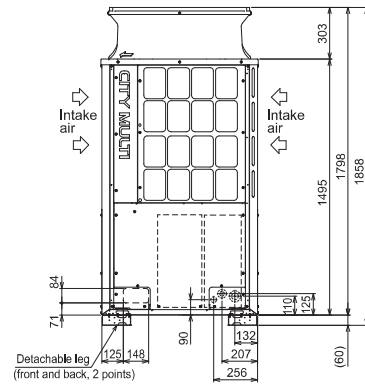
Product Dimensions

PURY-EP200/250/300YNW-A2

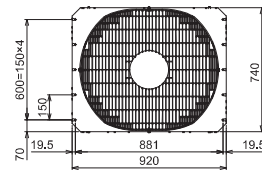
Side View



Front View



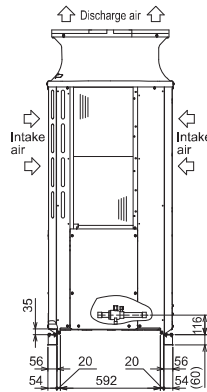
Upper View



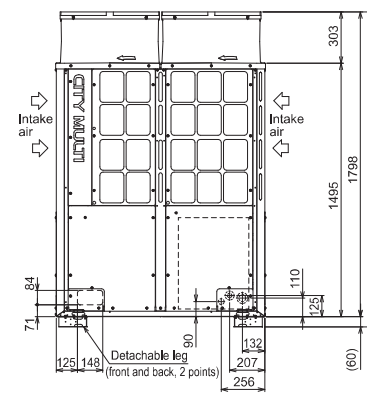
Product Dimensions

PURY-EP350/400YNW-A2

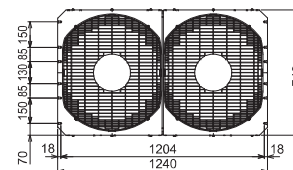
Side View



Front View



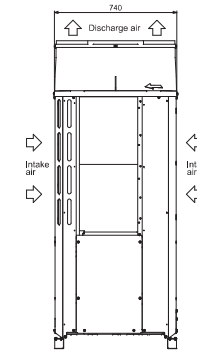
Upper View



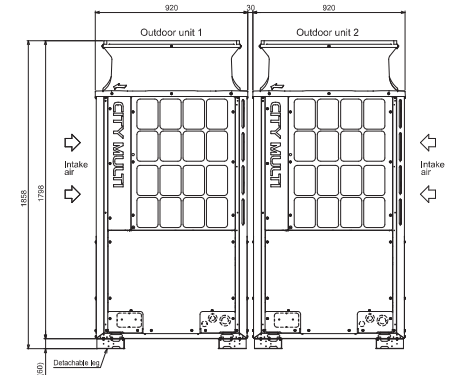
Product Dimensions

PURY-EP400YSNW-A2

Side View



Front View



R2 Series VRF High Efficiency (50-61.5kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

Delivering outstanding Seasonal Energy Efficiency, the City Multi R2 Series VRF High Efficiency Heat Recovery system provides simultaneous heating and cooling, with the added benefit of heat recovery. As the only 2-pipe heat recovery system on the market, the **PURY-EP** range offers huge benefits in terms of ease of installation and maintenance, as well as complete design flexibility.

Key Features & Benefits

- High efficiency system delivers outstanding seasonal energy performance
- Heat recovery achieves energy savings of up to 30% over heat pump systems
- Provides simultaneous heating and cooling with a high level of thermal comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application



OUTDOOR UNITS		PURY-EP450YNW-A2	PURY-EP450YSNW-A2	PURY-EP500YNW-A2	PURY-EP500YSNW-A2	PURY-EP550YNW-A2	PURY-EP550YSNW-A2
CAPACITY (kW)	Heating (nominal max)	56.0	56.5	63.0	63.0	69.0	69.0
	Cooling (nominal)	50.0	50.4	56.0	56.0	60.0	61.5
	High Performance Heating (UK)	50.4	56.5	56.7	63.0	62.1	65.6
	COP Priority Heating (UK)	48.2	51.4	57.3	57.3	59.3	62.8
	Cooling (UK)	44.8	45.1	50.1	50.1	53.7	55.0
POWER INPUT (kW)	Heating (nominal max)	18.36	16.56	21.00	19.62	23.87	21.10
	Cooling (nominal)	18.93	16.31	21.78	20.14	25.70	21.65
	High Performance Heating (UK)	20.75	21.20	23.73	25.11	26.97	28.06
	COP Priority Heating (UK)	18.36	16.56	21.00	19.62	23.87	21.10
	Cooling (UK)	12.12	9.46	13.94	11.68	16.45	12.56
COP / EER (nominal max)		3.05 / 2.64	3.41 / 3.09	3.00 / 2.57	3.21 / 2.78	2.89 / 2.33	3.27 / 2.84
MAX No. OF CONNECTABLE INDOOR UNITS		45	45	50	50	50	50
MAX CONNECTABLE CAPACITY		50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity
AIRFLOW (m³/min)	High	315	170 / 185	295	185 / 185	410	185 / 240
	Liquid	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8") / 28.58 (1-1/8")¹	22.2 (7/8") / 28.58 (1-1/8")¹
PIPE SIZE mm (in)	Gas	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")
	Liquid	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8") / 28.58 (1-1/8")¹	22.2 (7/8") / 28.58 (1-1/8")¹
SOUND PRESSURE LEVEL (dBA) @ 1m		70.0 / 65.5	63.5 / 63.0	64.5 / 63.5	64.0 / 63.5	70.0 / 70.0	68.0 / 64.0
SOUND POWER LEVEL (dBA) @ 100% Capacity		89.0 / 83.0	83.8 / 80.0	84.0 / 82.0	86.0 / 81.0	89.0 / 89.0	87.7 / 82.0
SOUND POWER LEVEL (dBA) @ 90% Capacity		85.5 / 78.5	77.9 / 75.2	81.0 / 76.5	79.0 / 76.5	86.0 / 83.5	83.0 / 76.0
SOUND POWER LEVEL (dBA) @ 75% Capacity		79.5 / 74.0	76.2 / 71.2	77.5 / 73.5	77.5 / 72.5	81.5 / 79.0	79.2 / 73.0
WEIGHT (kg)		301	219 + 228	346	228 + 228	346	228 + 230
DIMENSIONS (mm)	Width	1240	920 + 920	1750	920 + 920	1750	920 + 920
	Depth	740	740	740	740	740	740
	Height (1798mm without legs)	1858	1858	1858	1858	1858	1858
ELECTRICAL SUPPLY²		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE²		Three	Three	Three	Three	Three	Three
STARTING CURRENT (A)²		8	8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A)²		29.4 / 30.3 [37.3]	26.5 / 26.1 [16.1 + 20.3]	33.6 / 34.9 [40.3]	31.4 / 32.2 [20.3+20.3]	38.2 / 41.2 [51.2]	33.8 / 34.7 [22.3 + 20.3]
GUARANTEED OPERATING RANGE (°C)		-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	-20~-15.5 / -5~-52
FUSE RATING (MCB sizes BS EN 60947-2) - (A)²		1 x 40	1 x 20 / 1 x 25	1 x 50	1 x 25 / 1 x 25	1 x 63	1 x 25 / 1 x 25
MAINS CABLE No. Cores²		4 + earth	4 + earth / 4 + earth	4 + earth	4 + earth / 4 + earth	4 + earth	4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO₂ EQUIVALENT (t) R410A (GWP 2088)		10.8 / 22.5	10.4 / 21.7	10.8 / 22.6	10.4 / 21.7	10.8 / 22.6	10.4 / 21.7
MAX ADDITIONAL REFRIGERANT (kg) / CO₂ EQUIVALENT (t) R410A (GWP 2088)		44.7 / 93.3	48.6 / 101.5	45.2 / 94.4	48.6 / 101.5	45.2 / 94.4	48.6 / 101.5

Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB. Nominal Max Conditions: Heating; indoor 20°C DB; outdoor 7°C DB, 6°C WB.

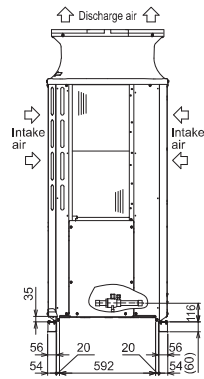
UK Conditions: Cooling; indoor 21°C DB, 15°C WB; outdoor 27°C DB, UK Conditions: Heating; indoor 20°C DB, outdoor 0°C DB, -1°C WB.

*1 If distance from OU to BC controller is greater than 65m. *2 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.

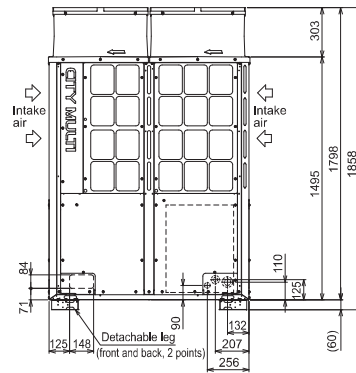
Product Dimensions

PURY-EP450YNW-A2

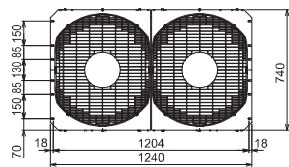
Side View



Front View



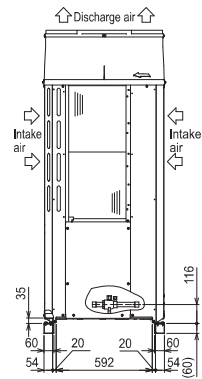
Upper View



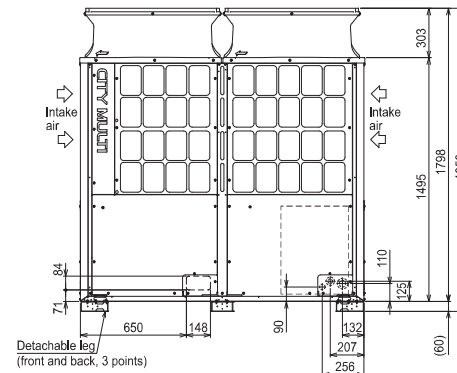
Product Dimensions

PURY-EP500/550YNW-A2

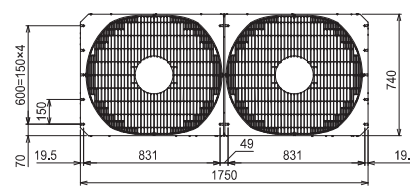
Side View



Front View



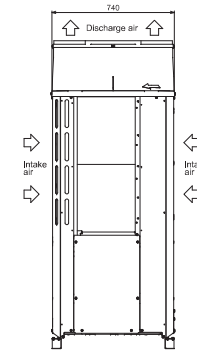
Upper View



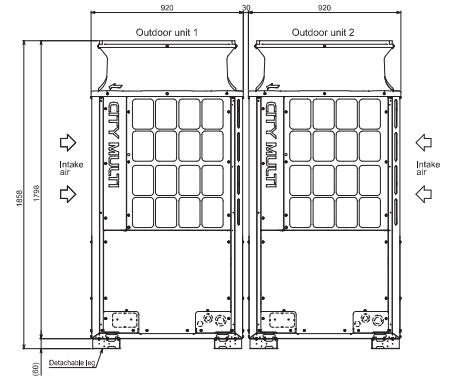
Product Dimensions

PURY-EP450/500/550YSNW-A2

Side View



Front View



R2 Series VRF High Efficiency (67-95kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

Delivering outstanding Seasonal Energy Efficiency, the City Multi R2 Series VRF High Efficiency Heat Recovery system provides simultaneous heating and cooling, with the added benefit of heat recovery. As the only 2-pipe heat recovery system on the market, the **PURY-EP** range offers huge benefits in terms of ease of installation and maintenance, as well as complete design flexibility.

Key Features & Benefits

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- Heat recovery achieves energy savings of up to 30% over heat pump systems
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- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application



OUTDOOR UNITS		PURY-EP600YSNW-A2	PURY-EP650YSNW-A2	PURY-EP700YSNW-A2	PURY-EP750YSNW-A2	PURY-EP800YSNW-A2	PURY-EP850YSNW-A2
CAPACITY (kW)	Heating (nominal max)	75.0	82.5	90.0	95.0	100.0	106.0
	Cooling (nominal)	67.0	73.5	80.0	85.0	90.0	95.0
	High Performance Heating (UK)	71.3	78.4	85.5	85.5	90.0	95.4
	COP Priority Heating (UK)	68.3	75.1	81.9	81.7	86.0	91.2
	Cooling (UK)	60.0	65.8	71.6	76.1	80.6	85.0
POWER INPUT (kW)	Heating (nominal max)	22.45	25.00	27.60	30.54	33.67	35.81
	Cooling (nominal)	23.10	26.15	29.30	33.59	38.62	38.93
	High Performance Heating (UK)	29.86	33.25	36.71	34.51	38.05	47.63
	COP Priority Heating (UK)	22.45	25.00	27.60	29.62	32.66	34.74
	Cooling (UK)	13.40	15.17	16.99	19.48	24.72	24.92
COP / EER (nominal max)		3.34 / 2.90	3.30 / 2.81	3.26 / 2.73	3.11 / 2.53	2.97 / 2.33	2.96 / 2.44
MAX No. OF CONNECTABLE INDOOR UNITS		50	50	50	50	50	50
MAX CONNECTABLE CAPACITY		50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity
AIRFLOW (m³/min)	High	240 / 240	240 / 250	250 / 250	250 / 315	315 / 315	315 / 315
PIPE SIZE mm (in)	Gas	28.58 (1-1/8")	28.58 (1-1/8")	34.93 (1-3/8")	34.93 (1-3/8")	34.93 (1-3/8")	41.28 (1-5/8")
	Liquid	22.2 (7/8")/28.58 (1-1/8")¹	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")
SOUND PRESSURE LEVEL (dBA) @ 1m	Heating / Cooling	70.0 / 64.0	69.0 / 65.0	67.0 / 65.5	70.5 / 67.0	72.0 / 68.0	72.5 / 68.5
SOUND POWER LEVEL (dBA) @ 100% Capacity	Heating / Cooling	89.0 / 83.0	87.7 / 83.5	86.0 / 84.0	90.2 / 85.1	91.0 / 86.0	91.5 / 86.0
SOUND POWER LEVEL (dBA) @ 90% Capacity	Heating / Cooling	85.0 / 77.5	82.7 / 77.9	84.0 / 79.0	85.4 / 79.5	86.5 / 80.0	87.6 / 81.2
SOUND POWER LEVEL (dBA) @ 75% Capacity	Heating / Cooling	80.5 / 73.5	80.2 / 75.9	80.0 / 76.0	80.5 / 76.0	81.0 / 76.0	82.0 / 76.5
WEIGHT (kg)		230 + 230	230 + 275	275 + 275	275 + 276	276 + 276	276 + 301
DIMENSIONS (mm)	Width	920 + 920	920 + 1240	1240 + 1240	1240 + 1240	1240 + 1240	1240 + 1240
	Depth	740	740	740	740	740	740
	Height (1798mm without legs)	1858	1858	1858	1858	1858	1858
ELECTRICAL SUPPLY*2		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE*2		Three	Three	Three	Three	Three	Three
STARTING CURRENT (A)*2		8	8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A)*2		Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]
GUARANTEED OPERATING RANGE (°C)		Heating / Cooling	Heating / Cooling	Heating / Cooling	Heating / Cooling	Heating / Cooling	Heating / Cooling
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*2		1 x 25 / 1 x 25	1 x 25 / 1 x 25	1 x 25 / 1 x 25	1 x 25 / 1 x 40	1 x 40 / 1 x 40	1 x 40 / 1 x 40
MAINS CABLE No. Cores*2		4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		10.4 / 21.7	13.2 / 27.6	16 / 33.4	16 / 33.4	16 / 33.4	18.8 / 39.3
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		48.6 / 101.5	45.8 / 95.6	70 / 146.2	70.5 / 147.2	70 / 146.2	67.2 / 140.3

Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB. Nominal Max Conditions: Heating; indoor 20°C DB; outdoor 7°C DB, 6°C WB.

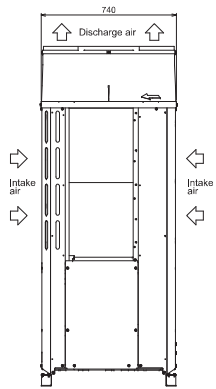
UK Conditions: Cooling; indoor 21°C DB, 15°C WB; outdoor 27°C DB. UK Conditions: Heating; indoor 20°C DB, outdoor 0°C DB, -1°C WB.

*1 If distance from OU to BC controller is greater than 65m. *2 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.

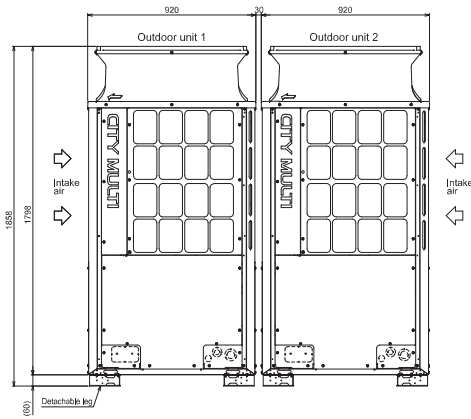
Product Dimensions

PURY-EP600YSNW-A2

Side View



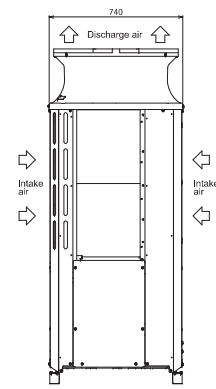
Front View



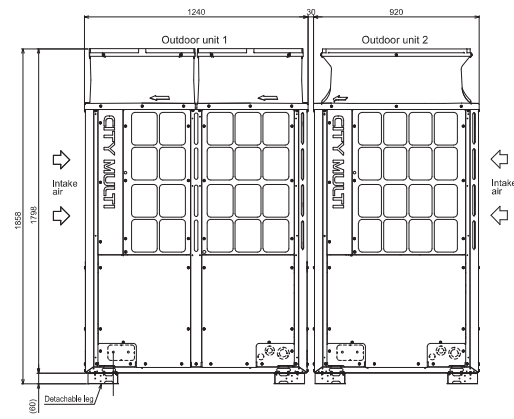
Product Dimensions

PURY-EP650YSNW-A2

Side View



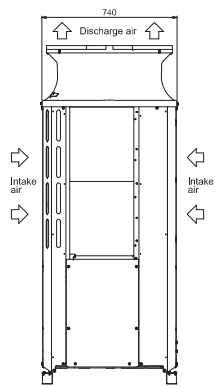
Front View



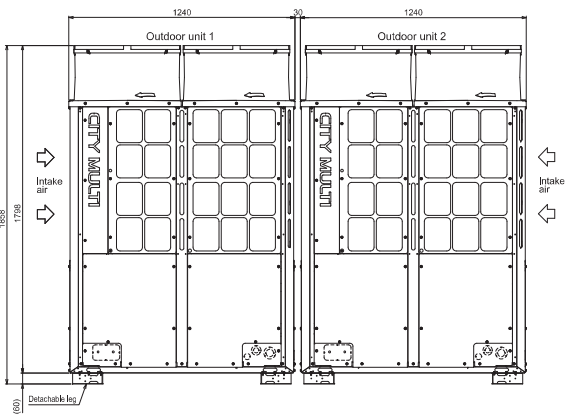
Product Dimensions

PURY-EP700/750/800/850YSNW-A2

Side View



Front View



R2 Series VRF High Efficiency (100-120kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

Delivering outstanding Seasonal Energy Efficiency, the City Multi R2 Series VRF High Efficiency Heat Recovery system provides simultaneous heating and cooling, with the added benefit of heat recovery. As the only 2-pipe heat recovery system on the market, the **PURY-EP** range offers huge benefits in terms of ease of installation and maintenance, as well as complete design flexibility.

Key Features & Benefits

- High efficiency system delivers outstanding seasonal energy performance
- Heat recovery achieves energy savings of up to 30% over heat pump systems
- Provides simultaneous heating and cooling with a high level of thermal comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application



OUTDOOR UNITS		PURY-EP900YSNW-A2	PURY-EP950YSNW-A2	PURY-EP1000YSNW-A2	PURY-EP1050YSNW-A2	PURY-EP1100YSNW-A2
CAPACITY (kW)	Heating (nominal max)	112.0	119.0	126.0	132.0	138.0
	Cooling (nominal)	100.0	106.0	112.0	116.0	120.0
	High Performance Heating (UK)	100.8	107.1	113.4	118.8	124.2
	COP Priority Heating (UK)	96.3	102.3	108.4	113.5	118.7
	Cooling (UK)	89.5	94.9	100.2	103.8	107.4
POWER INPUT (kW)	Heating (nominal max)	37.83	40.61	43.29	46.15	49.28
	Cooling (nominal)	39.06	41.89	44.97	48.73	53.08
	High Performance Heating (UK)	50.31	54.01	57.58	52.15	55.69
	COP Priority Heating (UK)	36.70	39.39	41.99	44.77	47.80
	Cooling (UK)	25.00	26.81	28.78	28.26	33.97
COP / EER (nominal max)		2.96 / 2.56	2.93 / 2.53	2.91 / 2.49	2.86 / 2.38	2.80 / 2.26
MAX No. OF CONNECTABLE INDOOR UNITS		50	50	50	50	50
MAX CONNECTABLE CAPACITY		50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity
AIRFLOW (m³/min)	High	315 / 315	315 / 295	295 / 295	295 / 410	410 / 410
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	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	34.93 (1-3/8")	34.93 (1-3/8")
SOUND PRESSURE LEVEL (dBA) @ 1m		Heating / Cooling	73.0 / 68.5	71.5 / 68.0	67.5 / 66.5	71.5 / 71.0
SOUND POWER LEVEL (dBA) @ 100% Capacity		Heating / Cooling	92.0 / 86.0	91.0 / 86.0	87.0 / 85.0	90.2 / 89.8
SOUND POWER LEVEL (dBA) @ 90% Capacity		Heating / Cooling	88.5 / 81.5	85.5 / 81.0	84.0 / 79.5	87.2 / 84.3
SOUND POWER LEVEL (dBA) @ 75% Capacity		Heating / Cooling	82.5 / 77.0	80.0 / 77.0	80.5 / 76.5	82.7 / 80.1
WEIGHT (kg)		301 + 301	301 + 346	346 + 346	346 + 346	346 + 346
DIMENSIONS (mm)	Width	1240 + 1240	1240 + 1750	1750 + 1750	1750 + 1750	1750 + 1750
	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]	60.6 / 62.6 [37.3 + 37.3]	65.1 / 67.1 [37.3 + 40.3]	69.4 / 72.1 [40.3 + 40.3]	74.0 / 78.1 [40.3 + 51.2]
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
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*1			1 x 40 / 1 x 40	1 x 40 / 1 x 50	1 x 50 / 1 x 50	1 x 50 / 1 x 63
MAINS CABLE No. Cores*1			4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)			21.6 / 45.1	21.6 / 45.1	21.6 / 45.1	21.6 / 45.1
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)			64.4 / 134.4	64.4 / 134.4	64.4 / 134.4	64.4 / 134.4

Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB. Nominal Max Conditions: Heating; indoor 20°C DB; outdoor 7°C DB, 6°C WB.

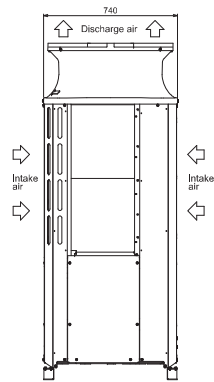
UK Conditions: Cooling; indoor 21°C DB, 15°C WB; outdoor 27°C DB. UK Conditions: Heating; indoor 20°C DB, outdoor 0°C DB, -1°C WB.

*1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.

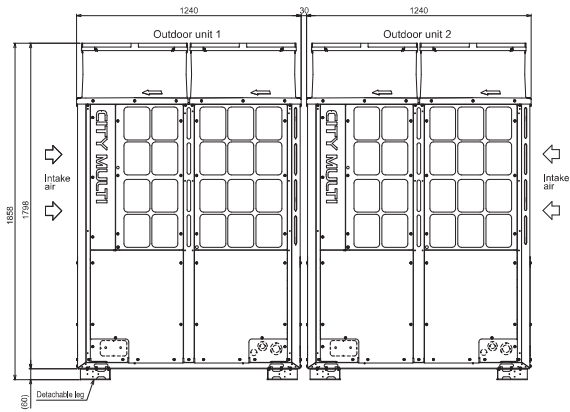
Product Dimensions

PURY-EP900YSNW-A2

Side View



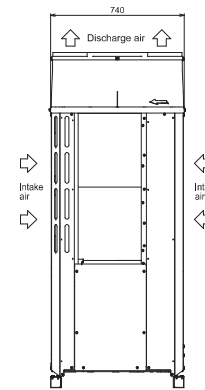
Front View



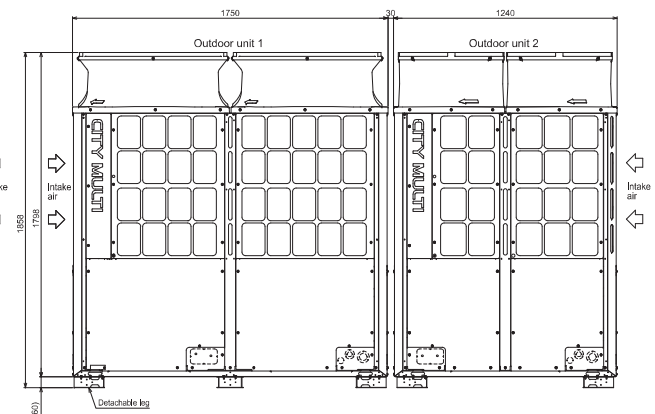
Product Dimensions

PURY-EP950YSNW-A2

Side View



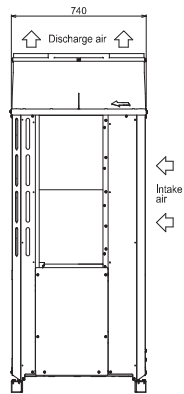
Front View



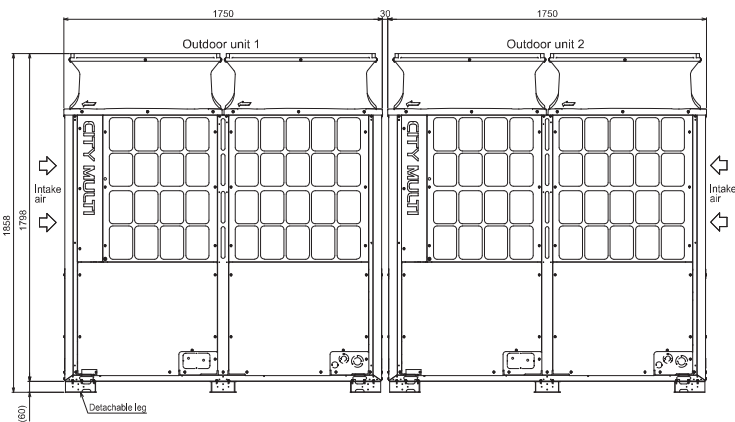
Product Dimensions

PURY-EP1000/1050/1100YSNW-A2

Side View



Front View



R2 Series VRF Standard Efficiency (22.4-45kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

The City Multi R2 Series VRF Heat Recovery system meets the demand for simultaneous heating and cooling, with the added benefit of heat recovery. As the only 2-pipe heat recovery system on the market, the **PURY-P** range offers huge benefits in terms of ease of installation and maintenance, as well as complete design flexibility.

Key Features & Benefits

- Heat recovery achieves energy savings of up to 30% over heat pump systems
- Provides simultaneous heating and cooling with a high level of thermal comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application



OUTDOOR UNITS		PURY-P200YNW-A2	PURY-P250YNW-A2	PURY-P300YNW-A2	PURY-P350YNW-A2	PURY-P400YNW-A2	PURY-P400YSNW-A2
CAPACITY (kW)	Heating (nominal max)	25.0	31.5	33.5	45.0	50.0	50.0
	Cooling (nominal)	22.4	28.0	33.5	40.0	45.0	44.8
	High Performance Heating (UK)	25.0	31.5	31.8	42.8	45.0	50.0
	COP Priority Heating (UK)	22.8	28.7	30.1	41.0	43.0	45.5
	Cooling (UK)	20.0	25.1	30.0	35.8	40.3	40.1
POWER INPUT (kW)	Heating (nominal max)	6.79	9.57	9.62	13.88	16.66	14.00
	Cooling (nominal)	6.68	10.25	11.75	14.92	19.65	13.78
	High Performance Heating (UK)	8.56	12.06	12.79	18.46	18.99	17.92
	COP Priority Heating (UK)	6.79	9.57	9.62	13.88	16.16	14.00
	Cooling (UK)	3.87	5.95	6.82	8.65	12.58	7.99
COP / EER (nominal max)		3.68 / 3.35	3.29 / 2.73	3.48 / 2.85	3.24 / 2.68	3.00 / 2.29	3.57 / 3.25
MAX No. OF CONNECTABLE INDOOR UNITS		20	25	30	35	40	40
MAX CONNECTABLE CAPACITY		50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity
AIRFLOW (m³/min)	High	170	220	240	250	315	170 / 170
PIPE SIZE mm (in)	Gas	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")
	Liquid	15.88 (5/8")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")
SOUND PRESSURE LEVEL (dBA) @ 1m Heating / Cooling		59.0 / 59.0	64.0 / 60.5	67.0 / 61.0	64.0 / 62.5	69.0 / 65.0	62.0 / 62.0
SOUND POWER LEVEL (dBA) @ 100% Capacity Heating / Cooling		76.0 / 76.0	83.0 / 78.0	86.0 / 80.0	83.0 / 81.0	88.0 / 83.0	79.0 / 79.0
SOUND POWER LEVEL (dBA) @ 90% Capacity Heating / Cooling		74.5 / 71.0	80.0 / 73.5	82.0 / 74.5	81.0 / 76.0	83.5 / 77.0	77.5 / 74.0
SOUND POWER LEVEL (dBA) @ 75% Capacity Heating / Cooling		71.5 / 66.5	76.5 / 69.5	77.5 / 70.5	77.0 / 73.0	78.0 / 73.0	74.5 / 69.5
WEIGHT (kg)		214	223	225	269	269	214 + 214
DIMENSIONS (mm)	Width	920	920	920	1240	1240	920 + 920
	Depth	740	740	740	740	740	740
	Height (1798mm without legs)	1858	1858	1858	1858	1858	1858
ELECTRICAL SUPPLY*1		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE*1		Three	Three	Three	Three	Three	Three
STARTING CURRENT (A)*1		8	8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A)*1 Heating / Cooling [MAX]		10.8 / 10.7 [16.1]	15.3 / 16.4 [21.4]	15.4 / 18.8 [23.4]	22.2 / 23.9 [27.6]	26.7 / 31.5 [35.1]	22.4 / 22.0 [16.1 + 16.1]
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	-20~15.5 / -5~52
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*1		1 x 20	1 x 25	1 x 25	1 x 32	1 x 40	1 x 20 / 1 x 20
MAINS CABLE No. Cores*1		4 + earth	4 + earth	4 + earth	4 + earth	4 + earth	4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		5.2 / 10.9	5.2 / 10.9	5.2 / 10.9	8 / 16.7	8 / 16.7	10.4 / 21.7
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		31.8 / 66.4	37.8 / 78.9	37.8 / 78.9	41.3 / 86.2	47.3 / 98.8	60.6 / 126.5

Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB. Nominal Max Conditions: Heating: indoor 20°C DB; outdoor 7°C DB, 6°C WB.

UK Conditions: Cooling: indoor 21°C DB, 15°C WB; outdoor 27°C DB, UK Conditions: Heating: indoor 20°C DB, outdoor 0°C DB, -1°C WB.

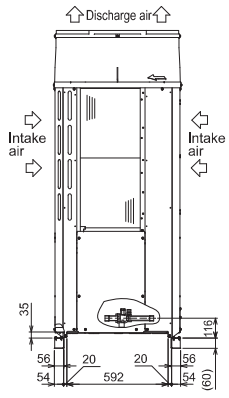
*1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.



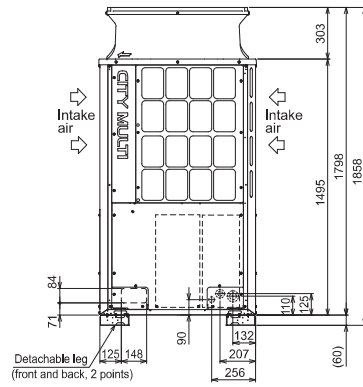
Product Dimensions

PURY-P200/250/300YNW-A2

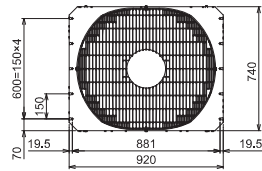
Side View



Front View



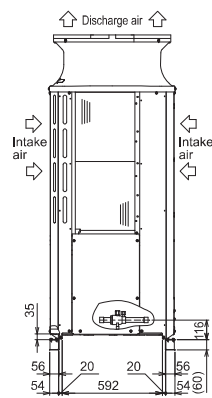
Upper View



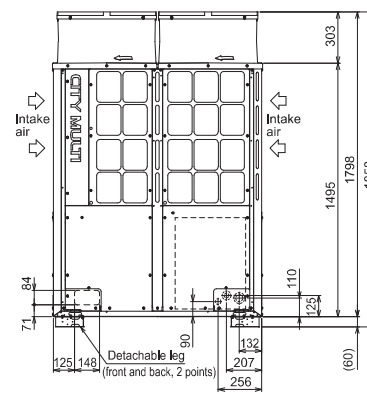
Product Dimensions

PURY-P350/400YNW-A2

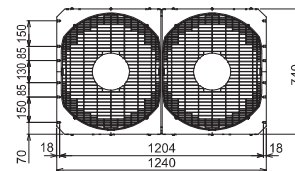
Side View



Front View



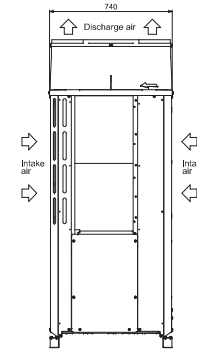
Upper View



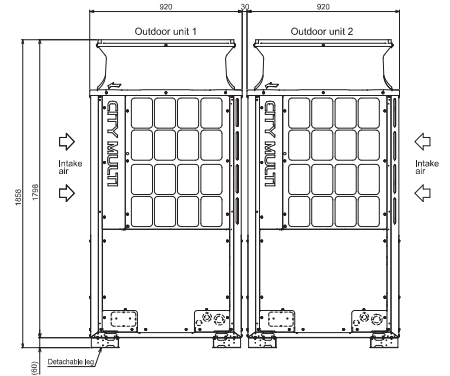
Product Dimensions

PURY-P400YSNW-A2

Side View



Front View



R2 Series VRF Standard Efficiency (50-61.5kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

The City Multi R2 Series VRF Heat Recovery system meets the demand for simultaneous heating and cooling, with the added benefit of heat recovery. As the only 2-pipe heat recovery system on the market, the **PURY-P** range offers huge benefits in terms of ease of installation and maintenance, as well as complete design flexibility.

Key Features & Benefits

- Heat recovery achieves energy savings of up to 30% over heat pump systems
- Provides simultaneous heating and cooling with a high level of thermal comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application



OUTDOOR UNITS		PURY-P450YNW-A2	PURY-P450YSNW-A2	PURY-P500YNW-A2	PURY-P500YSNW-A2	PURY-P550YNW-A2	PURY-P550YSNW-A2
CAPACITY (kW)	Heating (nominal max)	56.0	56.5	63.0	63.0	69.0	65.0
	Cooling (nominal)	50.0	50.4	56.0	56.0	60.0	61.5
	High Performance Heating (UK)	50.4	56.5	56.7	63.0	62.1	61.8
	COP Priority Heating (UK)	48.2	51.4	54.2	57.3	59.3	59.2
	Cooling (UK)	44.8	45.1	50.1	50.1	53.7	55.0
POWER INPUT (kW)	Heating (nominal max)	18.79	16.71	21.14	19.74	24.55	19.81
	Cooling (nominal)	19.84	17.08	22.22	21.13	25.86	22.69
	High Performance Heating (UK)	21.42	21.39	24.10	25.27	27.99	26.35
	COP Priority Heating (UK)	18.23	16.71	20.51	19.74	23.81	19.81
	Cooling (UK)	12.70	9.91	14.22	12.26	16.55	13.16
COP / EER (nominal max)		2.98 / 2.52	3.38 / 2.95	2.98 / 2.52	3.19 / 2.65	2.81 / 2.32	3.28 / 2.71
MAX No. OF CONNECTABLE INDOOR UNITS		45	45	50	50	50	50
MAX CONNECTABLE CAPACITY		50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity
AIRFLOW (m³/min)	High	315	170 / 220	295	220 / 220	410	220 / 240
PIPE SIZE mm (in)	Gas	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")
	Liquid	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8") / 28.58 (1-1/8") ¹	22.2 (7/8") / 28.58 (1-1/8") ¹
SOUND PRESSURE LEVEL (dBA) @ 1m Heating / Cooling		70.0 / 65.5	65.5 / 63.0	64.5 / 63.5	67.0 / 63.5	70.0 / 70.0	69.0 / 64.0
SOUND POWER LEVEL (dBA) @ 100% Capacity Heating / Cooling		89.0 / 83.0	83.8 / 80.1	84.0 / 82.0	86.0 / 81.0	89.0 / 89.0	87.7 / 82.1
SOUND POWER LEVEL (dBA) @ 90% Capacity Heating / Cooling		85.5 / 78.5	81.1 / 75.4	81.0 / 76.5	83.0 / 76.5	86.0 / 83.5	84.1 / 76.2
SOUND POWER LEVEL (dBA) @ 75% Capacity Heating / Cooling		79.5 / 74.0	77.7 / 71.2	77.5 / 73.5	79.5 / 72.5	81.5 / 79.0	80.0 / 73.0
WEIGHT (kg)		289	214 + 223	335	223 + 223	335	223 + 225
DIMENSIONS (mm)	Width	1240	920 + 920	1750	920 + 920	1750	920 + 920
	Depth	740	740	740	740	740	740
	Height (1798mm without legs)	1858	1858	1858	1858	1858	1858
ELECTRICAL SUPPLY ²		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE ²		Three	Three	Three	Three	Three	Three
STARTING CURRENT (A) ²		8	8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A) ² Heating / Cooling [MAX]		30.1 / 31.8 [39.0]	26.7 / 27.3 [16.1 + 21.4]	33.9 / 35.6 [43.2]	31.6 / 33.8 [21.4 + 21.4]	39.3 / 41.4 [51.4]	31.7 / 36.3 [21.4 + 23.4]
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	-20~-15.5 / -5~-52
FUSE RATING (MCB sizes BS EN 60947-2) - (A) ²		1 x 40	1 x 20 / 1 x 25	1 x 50	1 x 25 / 1 x 25	1 x 63	1 x 25 / 1 x 25
MAINS CABLE No. Cores ²		4 + earth	4 + earth / 4 + earth	4 + earth	4 + earth / 4 + earth	4 + earth	4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		10.8 / 22.5	10.4 / 21.7	10.8 / 22.6	10.4 / 21.7	10.8 / 22.6	10.4 / 21.7
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		44.5 / 92.9	48.6 / 101.5	45.2 / 94.4	48.6 / 101.5	45.2 / 94.4	48.6 / 101.5

Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB. Nominal Max Conditions: Heating; indoor 20°C DB; outdoor 7°C DB, 6°C WB.

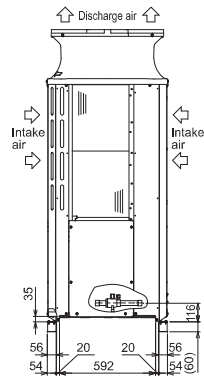
UK Conditions: Cooling; indoor 21°C DB, 15°C WB; outdoor 27°C DB. UK Conditions: Heating; indoor 20°C DB, outdoor 0°C DB, -1°C WB.

*1 If distance from OU to BC controller is greater than 65m. *2 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.

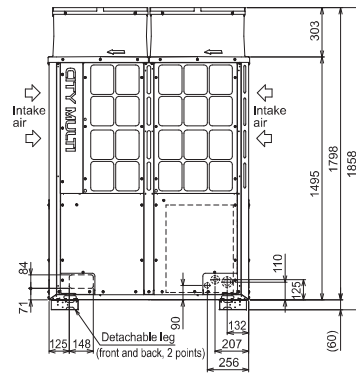
Product Dimensions

PURY-P450YNW-A2

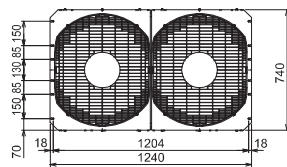
Side View



Front View



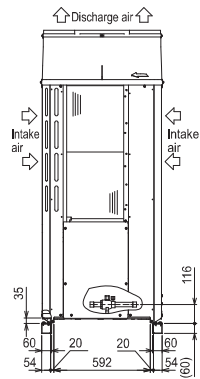
Upper View



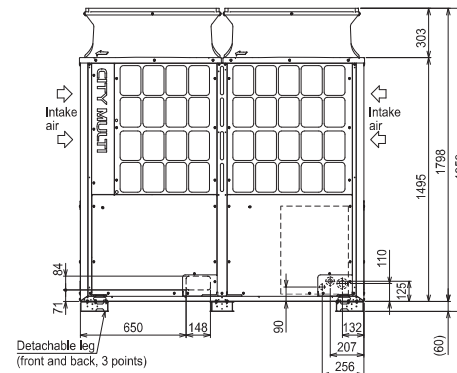
Product Dimensions

PURY-P500/550YNW-A2

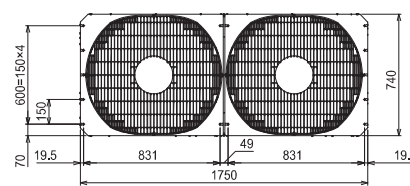
Side View



Front View



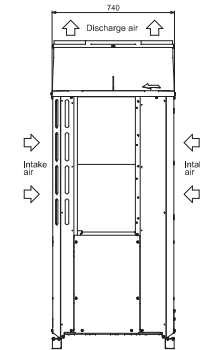
Upper View



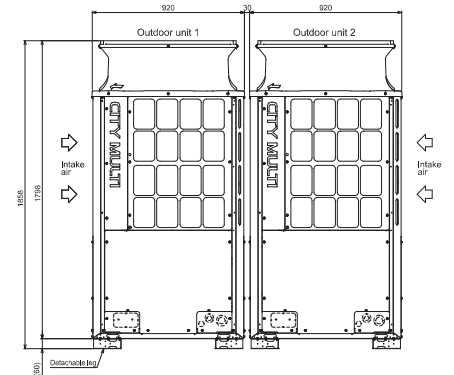
Product Dimensions

PURY-P450/500/550YSNW-A2

Side View



Front View



R2 Series VRF Standard Efficiency (67-95kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

The City Multi R2 Series VRF Heat Recovery system meets the demand for simultaneous heating and cooling, with the added benefit of heat recovery. As the only 2-pipe heat recovery system on the market, the **PURY-P** range offers huge benefits in terms of ease of installation and maintenance, as well as complete design flexibility.

Key Features & Benefits

- Heat recovery achieves energy savings of up to 30% over heat pump systems
- Provides simultaneous heating and cooling with a high level of thermal comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application



OUTDOOR UNITS		PURY-P600YSNW-A2	PURY-P650YSNW-A2	PURY-P700YSNW-A2	PURY-P750YSNW-A2	PURY-P800YSNW-A2	PURY-P850YSNW-A2
CAPACITY (kW)	Heating (nominal max)	67.0	78.5	90.0	95.0	100.0	106.0
	Cooling (nominal)	67.0	73.5	80.0	85.0	90.0	95.0
	High Performance Heating (UK)	63.7	74.6	85.5	85.5	90.0	95.4
	COP Priority Heating (UK)	61.0	71.4	81.9	81.7	86.0	91.2
	Cooling (UK)	60.0	65.8	71.6	76.1	80.6	85.0
POWER INPUT (kW)	Heating (nominal max)	19.81	24.07	28.66	31.35	34.36	36.55
	Cooling (nominal)	24.27	27.42	30.76	35.26	40.54	40.77
	High Performance Heating (UK)	26.35	32.01	38.12	35.43	38.83	41.30
	COP Priority Heating (UK)	19.22	24.07	28.66	30.41	33.33	35.45
	Cooling (UK)	14.08	15.90	17.84	20.45	25.95	26.09
COP / EER (nominal max)		3.38 / 2.76	3.26 / 2.68	3.14 / 2.60	3.03 / 2.41	2.91 / 2.22	2.90 / 2.33
MAX No. OF CONNECTABLE INDOOR UNITS		50	50	50	50	50	50
MAX CONNECTABLE CAPACITY		50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity
AIRFLOW (m³/min)	High	240 / 240	240 / 250	250 / 250	250 / 315	315 / 315	315 / 315
PIPE SIZE mm (in)	Gas	28.58 (1-1/8")	28.58 (1-1/8")	34.93 (1-3/8")	34.93 (1-3/8")	34.93 (1-3/8")	41.28 (1-5/8")
	Liquid	22.2 (7/8")/28.58 (1-1/8") ¹	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")
SOUND PRESSURE LEVEL (dBA) @ 1m		Heating / Cooling	70.0 / 64.0	69.0 / 65.0	67.0 / 65.5	70.5 / 67.0	72.0 / 68.0
SOUND POWER LEVEL (dBA) @ 100% Capacity		Heating / Cooling	89.0 / 83.0	87.7 / 83.5	86.0 / 84.0	89.2 / 85.1	91.0 / 86.0
SOUND POWER LEVEL (dBA) @ 90% Capacity		Heating / Cooling	85.0 / 77.5	78.3 / 78.5	84.0 / 79.0	85.4 / 79.5	86.5 / 80.0
SOUND POWER LEVEL (dBA) @ 75% Capacity		Heating / Cooling	80.5 / 73.5	80.2 / 75.0	80.0 / 76.0	80.5 / 76.0	81.0 / 76.0
WEIGHT (kg)		225 + 225	225 + 269	269 + 269	269 + 269	269 + 269	269 + 289
DIMENSIONS (mm)	Width	920 + 920	920 + 1240	1240 + 1240	1240 + 1240	1240 + 1240	1240 + 1240
	Depth	740	740	740	740	740	740
	Height	1858	1858	1858	1858	1858	1858
(1798mm without legs)							
ELECTRICAL SUPPLY ²		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE ²		Three	Three	Three	Three	Three	Three
STARTING CURRENT (A) ²		8	8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A) ²		Heating / Cooling [MAX]	31.7 / 38.9 [23.4 + 23.4]	38.6 / 43.9 [23.4 + 27.6]	45.9 / 49.3 [27.6 + 27.6]	50.2 / 56.5 [27.6 + 35.1]	55.1 / 65.0 [35.1 + 35.1]
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) ²		1 x 25 / 1 x 25	1 x 25 / 1 x 32	1 x 32 / 1 x 32	1 x 32 / 1 x 40	1 x 40 / 1 x 40	1 x 40 / 1 x 40
MAINS CABLE No. Cores ²		4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		10.4 / 21.7	13.2 / 27.6	16 / 33.4	16 / 33.4	16 / 33.4	18.8 / 39.3
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		48.6 / 101.5	45.8 / 95.6	70 / 146.2	70 / 146.2	70 / 146.2	67.2 / 140.3

Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB. Nominal Max Conditions: Heating: indoor 20°C DB; outdoor 7°C DB, 6°C WB.

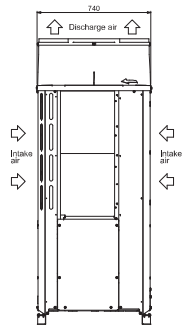
UK Conditions: Cooling: indoor 21°C DB, 15°C WB; outdoor 27°C DB, UK Conditions: Heating: indoor 20°C DB, outdoor 0°C DB, -1°C WB.

*1 If distance from OU to BC controller is greater than 65m. *2 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.

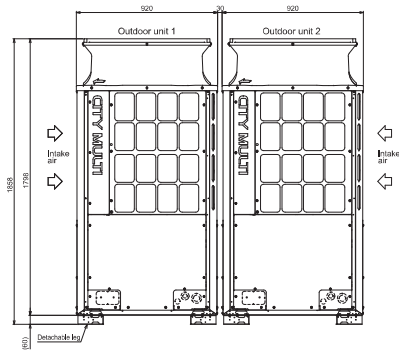
Product Dimensions

PURY-P600YSNW-A2

Side View



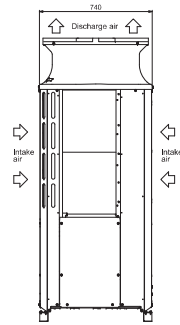
Front View



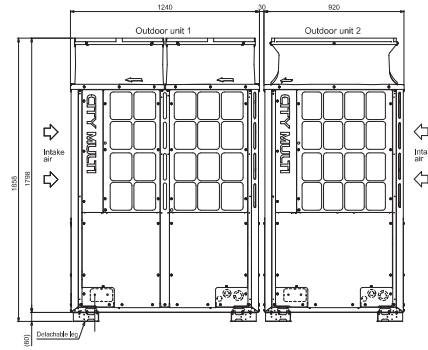
Product Dimensions

PURY-P650YSNW-A2

Side View



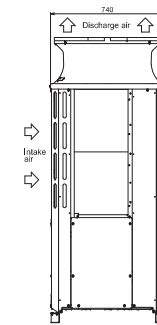
Front View



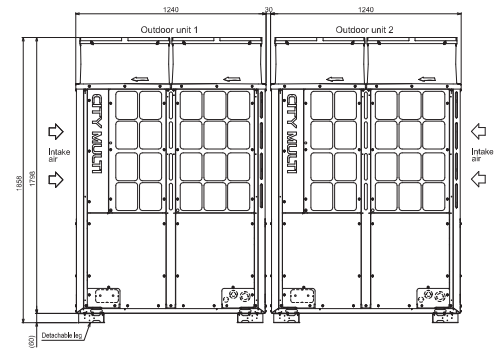
Product Dimensions

PURY-P700/750/800/850YSNW-A2

Side View



Front View



R2 Series VRF Standard Efficiency (100-120kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

The City Multi R2 Series VRF Heat Recovery system meets the demand for simultaneous heating and cooling, with the added benefit of heat recovery. As the only 2-pipe heat recovery system on the market, the **PURY-P** range offers huge benefits in terms of ease of installation and maintenance, as well as complete design flexibility.

Key Features & Benefits

- Heat recovery achieves energy savings of up to 30% over heat pump systems
- Provides simultaneous heating and cooling with a high level of thermal comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application



OUTDOOR UNITS		PURY-P900YSNW-A2	PURY-P950YSNW-A2	PURY-P1000YSNW-A2	PURY-P1050YSNW-A2	PURY-P1100YSNW-A2
CAPACITY (kW)	Heating (nominal max)	112.0	119.0	126.0	132.0	138.0
	Cooling (nominal)	100.0	106.0	112.0	116.0	120.0
	High Performance Heating (UK)	100.8	107.1	113.4	118.8	124.2
	COP Priority Heating (UK)	96.3	102.3	108.4	113.5	118.7
	Cooling (UK)	89.5	94.9	100.2	103.8	107.4
POWER INPUT (kW)	Heating (nominal max)	38.75	41.17	43.59	46.97	50.54
	Cooling (nominal)	40.98	43.44	45.90	49.36	53.32
	High Performance Heating (UK)	43.79	46.52	49.26	53.08	57.11
	COP Priority Heating (UK)	37.59	41.17	43.59	45.56	49.02
	Cooling (UK)	26.23	27.80	29.38	31.59	34.12
COP / EER (nominal max)		2.89 / 2.44	2.89 / 2.44	2.89 / 2.44	2.81 / 2.35	2.73 / 2.25
MAX No. OF CONNECTABLE INDOOR UNITS		50	50	50	50	50
MAX CONNECTABLE CAPACITY		50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity
AIRFLOW (m³/min)	High	315 / 315	315 / 295	295 / 295	295 / 410	410 / 410
	Liquid	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	34.93 (1-3/8")	34.93 (1-3/8")
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	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	34.93 (1-3/8")	34.93 (1-3/8")
SOUND PRESSURE LEVEL (dBA) @ 1m		73.0 / 68.5	71.5 / 68.0	67.5 / 66.5	71.5 / 71.0	73.0 / 73.0
SOUND POWER LEVEL (dBA) @ 100% Capacity		92.0 / 86.0	90.2 / 86.0	87.0 / 85.0	90.2 / 89.8	92.0 / 92.0
SOUND POWER LEVEL (dBA) @ 90% Capacity		88.5 / 81.5	86.8 / 80.8	84.0 / 79.5	87.2 / 84.3	89.0 / 86.5
SOUND POWER LEVEL (dBA) @ 75% Capacity		82.5 / 77.0	81.6 / 76.5	80.5 / 76.5	82.9 / 80.1	84.5 / 82.0
WEIGHT (kg)		289 + 289	289 + 335	335 + 335	335 + 335	335 + 335
DIMENSIONS (mm)	Width	1240 + 1240	1240 + 1750	1750 + 1750	1750 + 1750	1750 + 1750
	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		62.1 / 65.7 [39.0 + 39.0]	66.0 / 69.6 [39.0 + 43.2]	69.9 / 73.6 [43.2 + 43.2]	75.3 / 79.1 [43.2 + 51.4]	81.0 / 85.5 [51.4 + 51.4]
GUARANTEED OPERATING RANGE (°C)		-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 40 / 1 x 50	1 x 50 / 1 x 50	1 x 50 / 1 x 63	1 x 63 / 1 x 63
MAINS CABLE No. Cores*1		4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		21.6 / 45.1	21.6 / 45.1	21.6 / 45.1	21.6 / 45.1	21.6 / 45.1
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		64.4 / 134.5	64.4 / 134.5	64.4 / 134.5	64.4 / 134.5	64.4 / 134.5

Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB. Nominal Max Conditions: Heating; indoor 20°C DB; outdoor 7°C DB, 6°C WB.

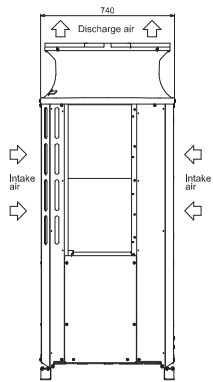
UK Conditions: Cooling; indoor 21°C DB, 15°C WB; outdoor 27°C DB. UK Conditions: Heating; indoor 20°C DB, outdoor 0°C DB, -1°C WB.

*1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.

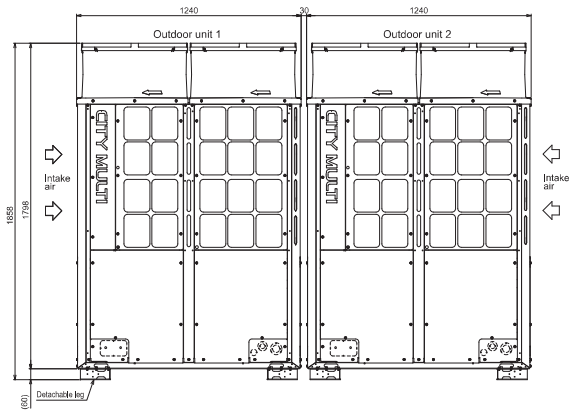
Product Dimensions

PURY-P900YSNW-A2

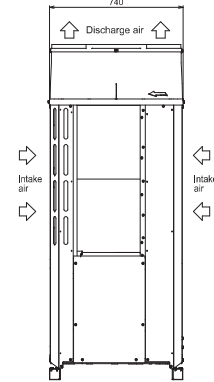
Side View



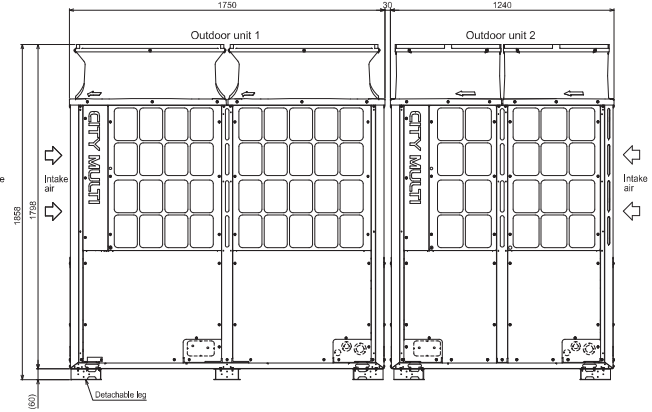
Front View



Side View



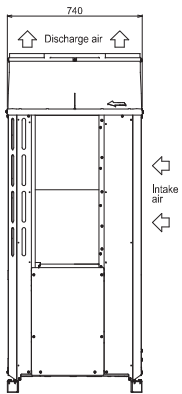
Front View



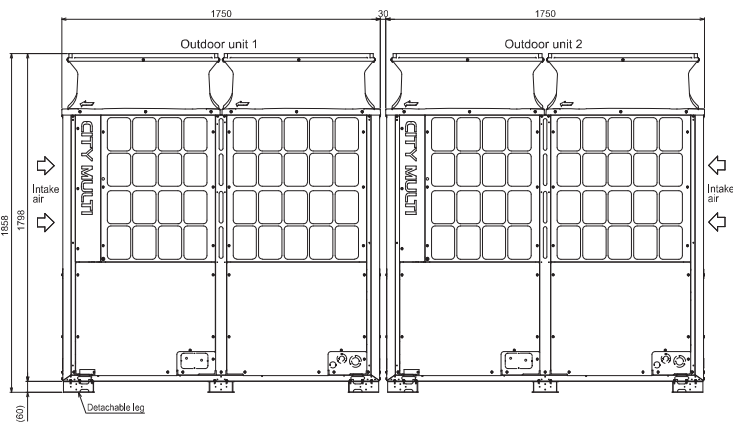
Product Dimensions

PURY-P-1000/1050/1100YSNW-A2

Side View

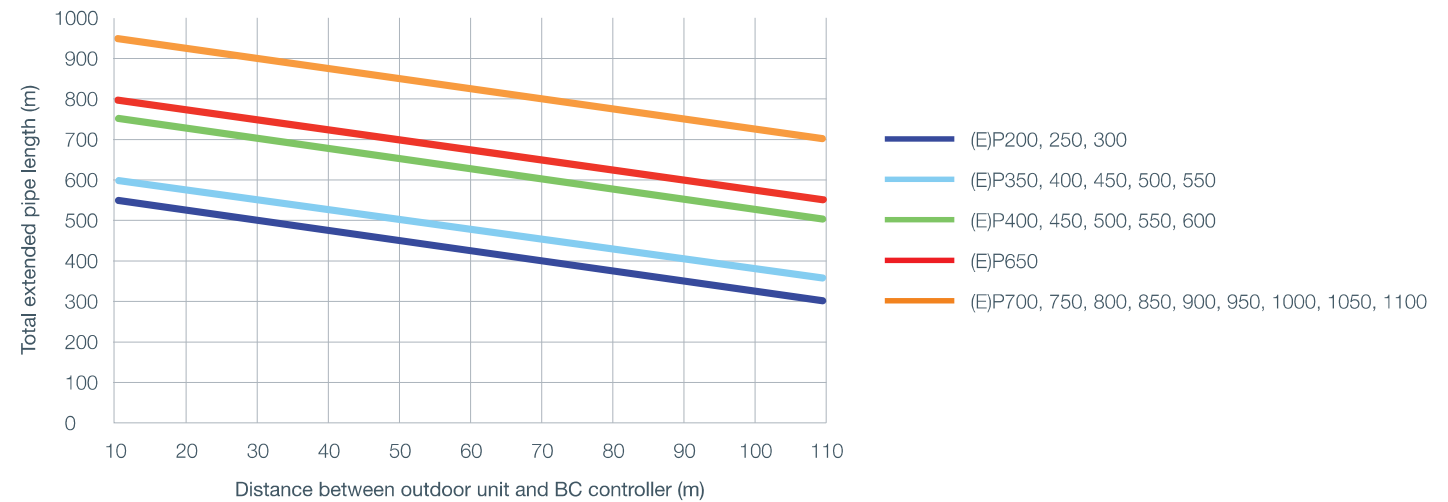


Front View

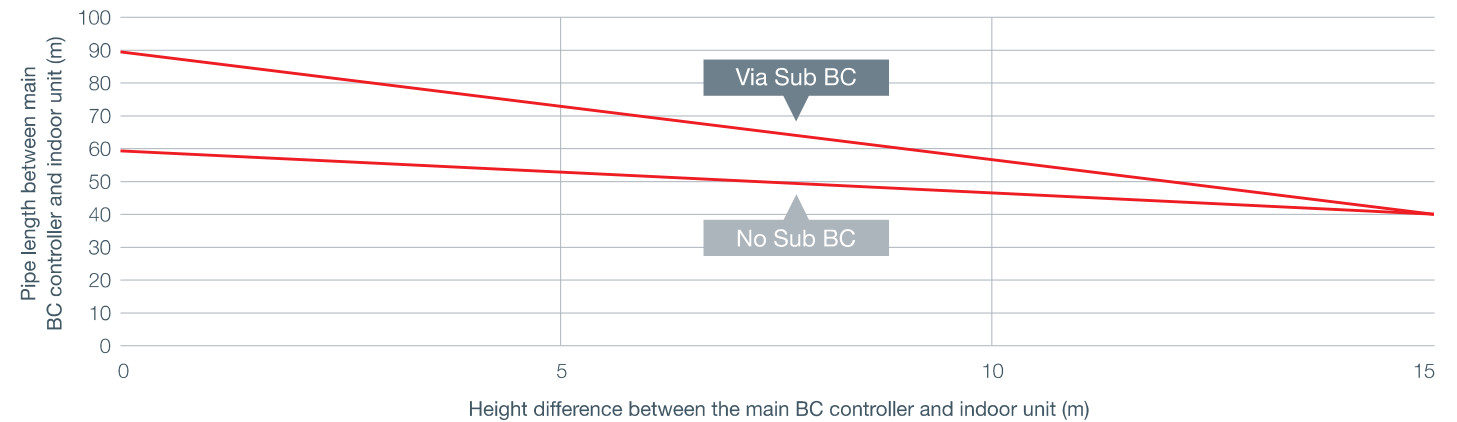


R2 Series Piping Design (R410A)

GRAPH 1: TOTAL PIPING LENGTH RESTRICTIONS



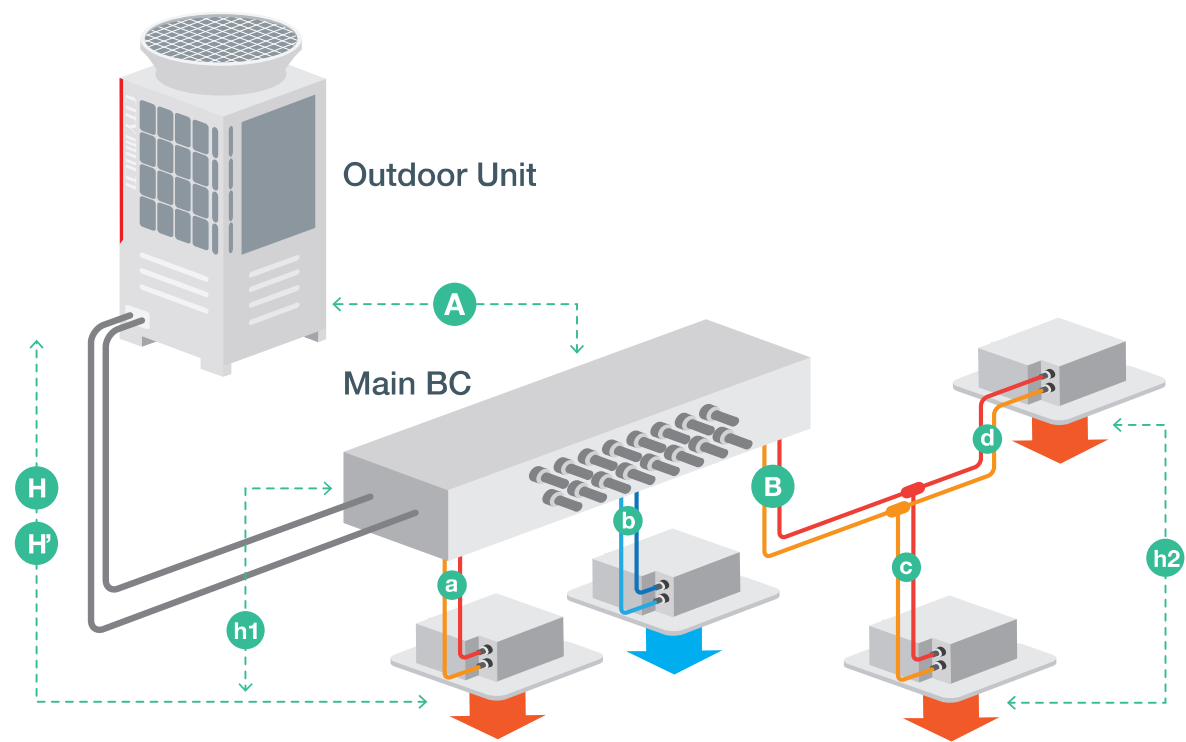
GRAPH 2: PIPE LENGTH BETWEEN BC CONTROLLER & INDOOR UNIT



Note: For all other piping restrictions please refer to the City Multi Databook

R2 Series Piping Design (R410A)

1 BC CONTROLLER, NO SUB BC CONTROLLER



PIPE LENGTH	PIPE SECTION	MAX LENGTH
Total Piping Length	$A+B+a+b+c+d$	(See Graph 1)
Furthest Piping Length	$A+B+d$	165m
Length Between OU and BC	A	110m ^{*1}
Length Between Furthest IU and BC	$B+d$	60m ^{*2} (40m) ^{*3}
Height Between OU and IU (OU above IU)	H	90m ^{*4}
Height Between OU and IU (OU below IU)	H'	60m ^{*2}
Height Between IU and BC	h1	15m
Height Between IU and IU	h2	30m

Notes: *1 Please refer to Graph 1. *2 Height difference between BC controller and furthest indoor unit is zero. Please refer to graph 2. *3 If P200 or P250 indoor unit connected on system. *4 Please contact your sales office for guidance.
For guidance on applying Sub BC controllers, please contact your sales office.