

City Multi VRF

Energy Efficient VRF Systems





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Our answer to large scale VRF - **City Multi Air Conditioning**

First developed over 30 years ago, City Multi is the market leader in VRF technology. Specifically designed to deliver comfort and control for today's building requirements, it addresses all the key market issues

VRF (Variable Refrigerant Flow) is a direct expansion type air conditioning system where one outdoor unit is connected with multiple indoor units, intelligently modulating the flow of refrigerant or water depending upon the capacity requirements of each zone within the building. Its ultimate purpose is to regulate the internal room air temperature and comfort levels in the most effective and efficient manner possible.

Today's commercial buildings are increasingly air tight and filled with heat-generating office equipment and lighting, which presents a challenge for anyone trying to maintain a stable and comfortable internal environment. Buildings account for around half of all UK greenhouse emissions, so legislation is demanding higher standards of air quality and increased energy efficiency in this sector.

The ideal solution

City Multi has constantly evolved and is packed with innovation that makes it eminently suitable for almost any building.

Designed from day one to work effectively in real applications in the UK market, City Multi delivers the best possible performance, combined with total flexibility of design and operation.

Available in heat recovery and heat pump variants, with up to 50 indoor units connectable, **City Multi provides the ultimate solution in comfort and efficiency.**



Lower GWP R32 VRF air conditioning systems from Mitsubishi Electric

With the launch of our YNW R32 VRF systems, Mitsubishi Electric were the first manufacturer to offer the UK market a complete range of lower Global Warming Potential (GWP) solutions.

Under the growing pressure of the F-Gas phase down regulations, the market is demanding viable and positive solutions which are future proof for businesses and last the full lifecycle of the product.

R32 is now the norm for split-type air conditioning systems, offering a lower GWP (675) than R410A (2088). At the same time, the use of VRF systems has grown intensively over the past decade due to the core benefits of flexibility, energy saving and automated control.

The unique Hybrid VRF system had been the only viable R32 solution available to the UK market. However, utilising the innovative City Multi YNW outdoor unit, we developed our new R32 VRF solution to offer complete design flexibility, high efficiency and low noise.

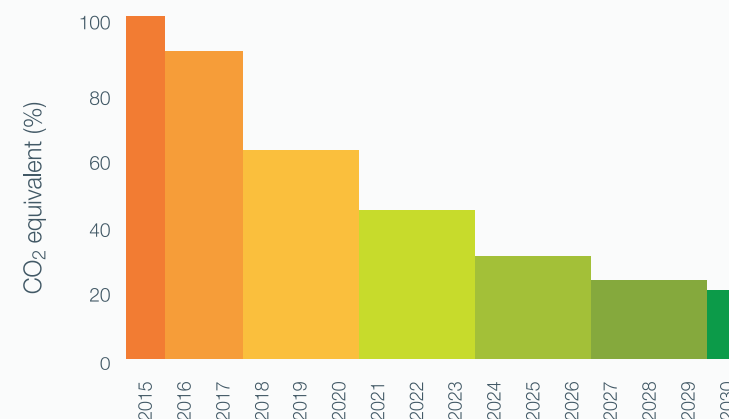
R32 makes up 50% of the existing R410A refrigerant already found in many current VRF systems; it is highly energy efficient and easy to recycle. A GWP of one third of R410A, plus reduced overall system refrigerant volumes, means a lower refrigerant total and lower global warming impact.

No matter which stage of the supply chain you or your customers occupy and whatever the core drivers, the solutions available from our complete range of VRF products can meet the tough demands of today's buildings. Whether CSR is high on the agenda, or lifecycle cost or capital cost, **there is a choice available from Mitsubishi Electric.**

R32



F-Gas - HFC phase down programme*



Customers need a manufacturer that is ahead of the curve and developing products that meet both current and future legislation.

Options to reduce the CO₂ equivalent include:

- ↓ Decreasing kW on the market
- ↓ Reducing the amount of refrigerant
- ↓ Lowering the GWP of refrigerant

VRF now utilises lower GWP R32 refrigerant.

* F-Gas 2015 phase down programme: http://ec.europa.eu/clima/policies/f-gas/legislation/index_en.htm

CITY MULTI

Energy Efficient VRF Systems

Outdoor / Condensing Unit Range

Air Cooled	Heat Recovery - R2 Series			P (kW)	112 12	125 14	140 16	200 22	250 28	300 34	350 40	400 45	450 50	500 56	550 63	600 69	650 73	700 80	750 85	800 90	850 96	900 101	950 108	1000 113	1050 118	1100 124	1150 130	1200 136	1250 140	1300 146	1350 150	
	High Efficiency PURY-EM (YNW)							S	S	S																						
	Standard Efficiency PURY-M (YNW)							S	S	S																						
	High Efficiency PURY-EP (YNW)							S	S	S	L	L	L	XL	XL	S	L	L	L	L	L	L	L	XL	XL	XL	XL					
																S	S	L	L	L	L	L	L	L	XL	XL	XL	XL				
	Standard Efficiency PURY-P (YNW)							S	S	S	L	L	L	XL	XL	S	L	L	L	L	L	L	L	XL	XL	XL	XL					
																S	S	L	L	L	L	L	L	L	XL	XL	XL	XL				
	Heat Pump - Y Series			P (kW)	112 12	125 14	140 16	200 22	250 28	300 34	350 40	400 45	450 50	500 56	550 63	600 69	650 73	700 80	750 85	800 90	850 96	900 101	950 108	1000 113	1050 118	1100 124	1150 130	1200 136	1250 140	1300 146	1350 150	
	PUHY-M (YNW)							S	S	S																						
	PUHY-P (YNW)							S	S	S	L	L	L	XL	S	S	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
														S	S	S	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
Mini VRF PUMY-(S)P																																
						Twin Fan			Twin Fan			Twin Fan																				
Water Cooled	Heat Recovery - WR2 Series			P (kW)	112 12	125 14	140 16	200 22	250 28	300 34	350 40	400 45	450 50	500 56	550 63	600 69	650 73	700 80	750 85	800 90	850 96	900 101										
	PQRY-P (YLM)																															
	Heat Pump - WY Series			P (kW)	112 12	125 14	140 16	200 22	250 28	300 34	350 40	400 45	450 50	500 56	550 63	600 69	650 73	700 80	750 85	800 90	850 96	900 101										
	PQHY-P (YLM)																															
							Twin Fan			Twin Fan			Twin Fan																			
							Twin Fan			Twin Fan			Twin Fan																			
							Twin Fan			Twin Fan			Twin Fan																			
							Twin Fan			Twin Fan			Twin Fan																			

S

R32 & R410A

L

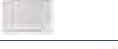
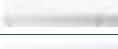
Large chassis
R410A

XL

Extra Large chassis
R410A

- S** Small chassis
R32 & R410A
- L** Large chassis
R410A
- XL** Extra Large chassis
R410A

Indoor Unit Range

Model	Range	P (kW)	10 1.2	15 1.7	20 2.2	25 2.8	32 3.6	40 4.5	50 5.6	63 7.1	80 9.0	100 11.2	125 14.0	140 16.0	200 22.4	250 28.0
Ceiling Concealed Ducted	PEFY-P-VMS1-E (Ultra Thin)	 		●	●	●	●	●	●	●						
	PEFY-M-VMA-A	  			●	●	●	●	●	●	●	●	●			
	PEFY-P-VMHS-E (High Static Pressure)	  									●	●	●	●	●	●
4-Way Blow Ceiling Cassette	PLFY-M-VEM-E	  					●	●	●	●	●	●	●			
	PLFY-P-VFM-E (600x600)	 		●	●	●	●	●	●							
Floor Standing	PFFY-P-VCM-E (Concealed)	 			●	●	●	●	●	●						
	PFFY-P-VLEM-E (Exposed)	 			●	●	●	●	●	●						
	PFFY-P-VKM-E (Exposed)	 			●	●	●	●								
Wall Mounted	PKFY-P-VLM-E	 	●	●	●	●	●									
	PKFY-P-VLM-E	 						●	●							
	PKFY-P-VKM-E	 								●						
Ceiling Suspended	PCFY-P-VKM-E	 						●		●		●	●			
VRF Sanitary Water Heater	PWFY-P-VM-E-BU	 										●				
Air Curtain	VRF HP DXE	  								●		●	●	●		

Note: All kW capacity ratings may change on connected system, please contact your local sales office for confirmation.

R2 Series VRF High Efficiency (22.4-33.5kW)

Simultaneous Heating and
Cooling with Heat Recovery
Outdoor Unit

Delivering outstanding Seasonal Energy Efficiency, the award-winning City Multi R2 Series VRF High Efficiency system provides simultaneous heating and cooling, with the added benefit of heat recovery. By utilising lower GWP R32 refrigerant, the **PURY-EM** helps businesses achieve their Corporate Social Responsibility targets, as well as future-proof their buildings and equipment.

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



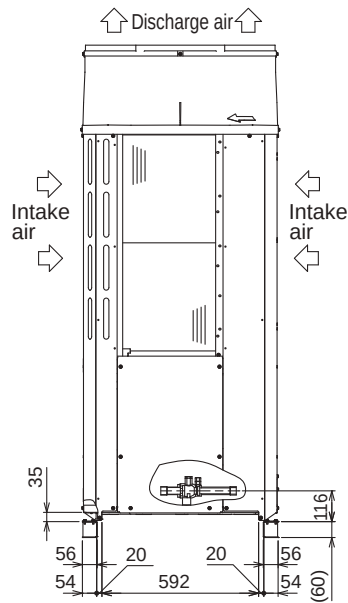
OUTDOOR UNITS		PURY-EM200YNW-A1	PURY-EM250YNW-A1	PURY-EM300YNW-A1
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5
	Cooling (nominal)	22.4	28.0	33.5
	High Performance Heating (UK)	25.0	31.5	35.6
	COP Priority Heating (UK)	22.8	28.7	34.1
	Cooling (UK)	20.1	25.1	30.0
POWER INPUT (kW)	Heating (nominal)	5.23	7.30	9.37
	Cooling (nominal)	4.43	6.68	7.82
	High Performance Heating (UK)	6.59	9.20	12.46
	COP Priority Heating (UK)	5.23	7.30	9.37
	Cooling (UK)	2.57	3.87	4.54
COP / EER (nominal)		4.78 / 5.05	4.31 / 4.19	4.00 / 4.28
MAX No. OF CONNECTABLE INDOOR UNITS		9 (8*1)	11 (10*1)	14 (12*1)
MAX CONNECTABLE CAPACITY		50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity
AIRFLOW (m³/min)	High	170	185	240
PIPE SIZE mm (in)	Gas	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")
	Liquid	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
SOUND PRESSURE LEVEL (dBA) @ 1m Heating / Cooling		59.0 / 59.0	61.0 / 60.5	67.0 / 61.0
SOUND POWER LEVEL (dBA) @ 100% Capacity Heating / Cooling		78.0 / 76.0	80.0 / 78.5	86.5 / 80.0
WEIGHT (kg)		231	231	231
DIMENSIONS (mm)	Width	920	920	920
	Depth	740	740	740
	Height	1858	1858	1858
(1798mm without legs)				
ELECTRICAL SUPPLY		380~415v, 50Hz	380~415v, 50Hz	380~415v, 50Hz
PHASE		Three	Three	Three
STARTING CURRENT (A)		8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A) Heating / Cooling [MAX]		8.3 / 7.1 [16.1]	11.7 / 10.7 [21.8]	15.0 / 12.5 [23.9]
GUARANTEED OPERATING RANGE (°C) Heating / Cooling		-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 x 20	1 x 25	1 x 25
MAINS CABLE No. Cores		4	4	4
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R32 (GWP 675)		5.2 / 3.5	5.2 / 3.5	5.2 / 3.5
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R32 (GWP 675)		21.3 / 14.4	22.3 / 15.1	22.8 / 15.4

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

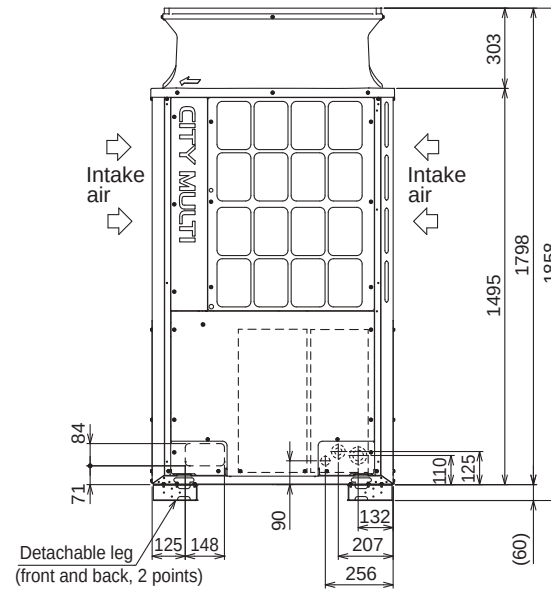
*1 If a model PEFY-M 20 or 25 indoor unit is connected.



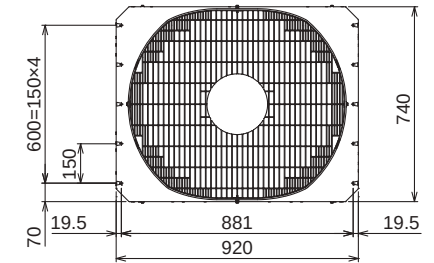
Side View



Front View



Upper View



R2 Series VRF Standard Efficiency (22.4-33.5kW)

Simultaneous Heating and
Cooling with Heat Recovery
Outdoor Unit

The award-winning City Multi R2 Series VRF Heat Recovery system meets the demand for simultaneous heating and cooling, with the added benefit of heat recovery. By utilising lower GWP R32 refrigerant, the **PURY-M** helps businesses achieve their Corporate Social Responsibility targets, as well as future-proof their buildings and equipment.

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

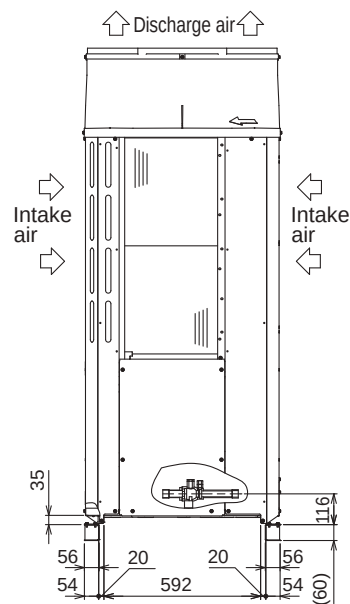


OUTDOOR UNITS		PURY-M200YNW-A1	PURY-M250YNW-A1	PURY-M300YNW-A1
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5
	Cooling (nominal)	22.4	28.0	33.5
	High Performance Heating (UK)	25.0	31.5	35.6
	COP Priority Heating (UK)	22.8	28.7	34.1
	Cooling (UK)	20.1	25.1	30.0
POWER INPUT (kW)	Heating (nominal)	5.27	7.32	9.35
	Cooling (nominal)	4.85	7.10	8.67
	High Performance Heating (UK)	6.64	9.22	12.44
	COP Priority Heating (UK)	5.27	7.32	9.35
	Cooling (UK)	2.81	4.12	5.03
COP / EER (nominal)		4.74 / 4.61	4.30 / 3.94	4.01 / 3.86
MAX No. OF CONNECTABLE INDOOR UNITS		9 (8*1)	11 (10*1)	14 (12*1)
MAX CONNECTABLE CAPACITY		50~150% OU Capacity	50~150% OU Capacity	50~150% OU Capacity
AIRFLOW (m³/min)	High	170	185	240
PIPE SIZE mm (in)	Gas	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")
	Liquid	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
SOUND PRESSURE LEVEL (dBA) @ 1m Heating / Cooling		59.0 / 59.0	61.0 / 60.5	67.0 / 61.0
SOUND POWER LEVEL (dBA) @ 100% Capacity Heating / Cooling		78.0 / 76.0	80.0 / 78.5	86.5 / 80.0
WEIGHT (kg)		227	227	227
DIMENSIONS (mm)	Width	920	920	920
	Depth	740	740	740
	Height (1798mm without legs)	1858	1858	1858
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		Three	Three	Three
STARTING CURRENT (A)		8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A) Heating / Cooling [MAX]		8.4 / 7.7 [16.1]	11.7 / 11.3 [22.5]	14.9 / 13.9 [25.6]
GUARANTEED OPERATING RANGE (°C) Heating / Cooling		-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 x 20	1 x 25	1 x 32
MAINS CABLE No. Cores		4	4	4
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R32 (GWP 675)		5.2 / 3.5	5.2 / 3.5	5.2 / 3.5
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R32 (GWP 675)		21.3 / 14.4	22.3 / 15.1	22.8 / 15.4

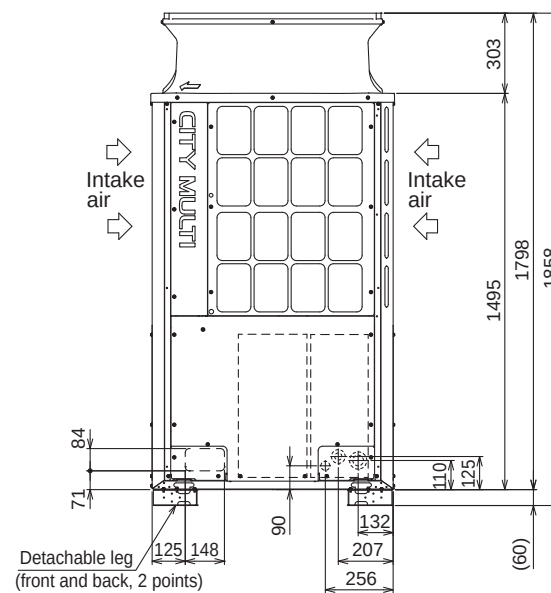
Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

*1 If a PEFY-M 20 or 25 indoor unit is connected.

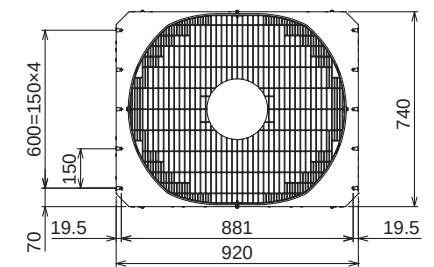
Side View



Front View



Upper View



Y Series VRF (22.4-33.5kW)

Heat Pump Outdoor Unit (Heating or Cooling)

The award-winning City Multi Y Series VRF Heat Pump system provides a simple and flexible solution where there is demand for one outdoor unit to provide all (or selected) indoor units with heating or cooling at a given time. By utilising lower GWP R32 refrigerant, the **PUHY-M** helps businesses achieve their Corporate Social Responsibility targets, as well as future-proof their buildings and equipment.

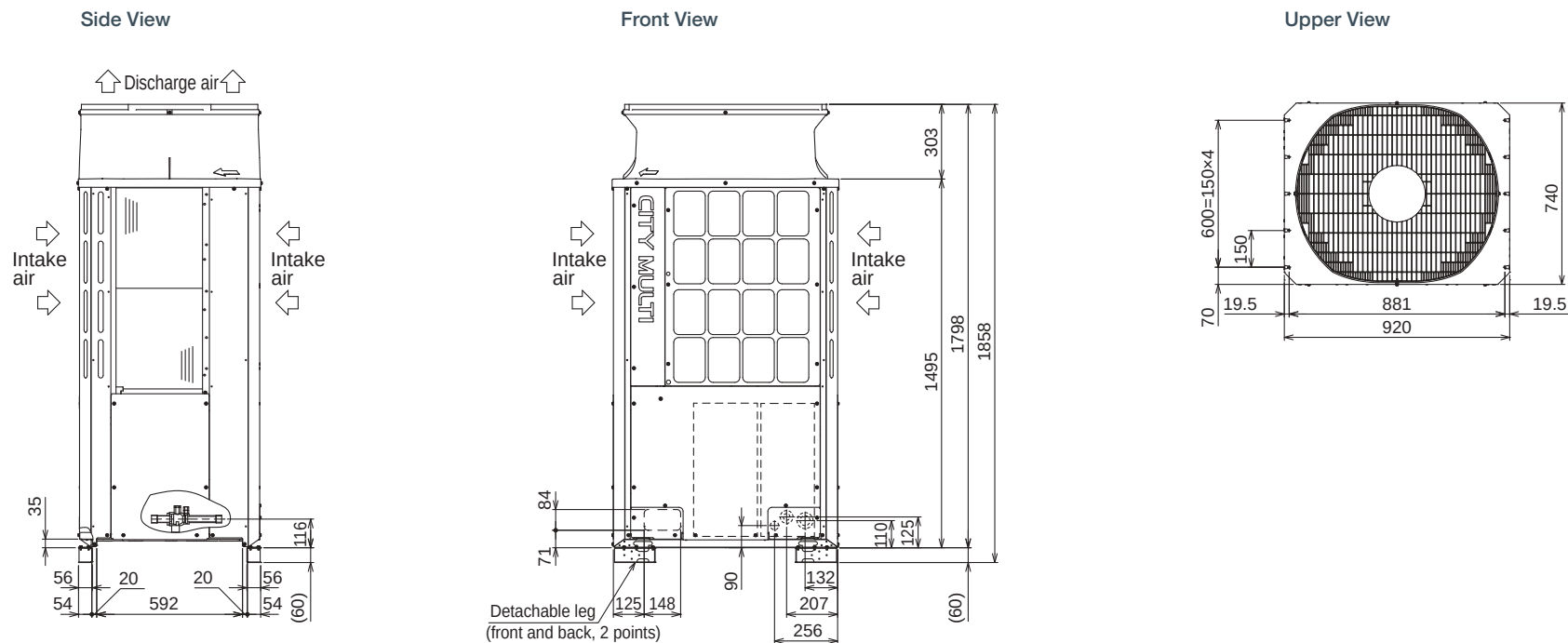
Key Features & Benefits

- Energy efficient heat pump system
- Delivers high levels of thermal and acoustic comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application
- Connectable to a broad choice of indoor unit types and capacities



OUTDOOR UNITS		PUHY-M200YNW-A1	PUHY-M250YNW-A1	PUHY-M300YNW-A1
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5
	Cooling (nominal)	22.4	28.0	33.5
	High Performance Heating (UK)	25.0	31.5	35.6
	COP Priority Heating (UK)	22.8	28.7	34.1
	Cooling (UK)	20.0	25.1	30.0
POWER INPUT (kW)	Heating (nominal)	5.08	7.14	8.33
	Cooling (nominal)	4.72	6.96	8.54
	High Performance Heating (UK)	6.40	9.00	11.08
	COP Priority Heating (UK)	5.08	7.14	8.33
	Cooling (UK)	2.74	4.04	4.05
COP / EER (nominal)		4.92 / 4.74	4.41 / 4.02	4.50 / 3.92
MAX No. OF CONNECTABLE INDOOR UNITS		8	10	12
MAX CONNECTABLE CAPACITY		50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity
AIRFLOW (m³/min)	High	170	185	240
PIPE SIZE mm (in)	Gas	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")
	Liquid	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
SOUND PRESSURE LEVEL (dBA) @ 1m Heating / Cooling		59.0 / 58.0	61.0 / 60.0	64.5 / 61.0
SOUND POWER LEVEL (dBA) @ 100% Capacity Heating / Cooling		78.0 / 75.0	80.0 / 78.0	83.5 / 80.0
WEIGHT (kg)		222	222	223
DIMENSIONS (mm)	Width	920	920	920
	Depth	740	740	740
	Height (1798mm without legs)	1858	1858	1858
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		Three	Three	Three
STARTING CURRENT (A)		8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A) Heating / Cooling [MAX]		8.1 / 7.5 [16.1]	11.4 / 11.1 [21.8]	13.3 / 13.6 [25.6]
GUARANTEED OPERATING RANGE (°C) Heating / Cooling		-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 x 20	1 x 25	1 x 32
MAINS CABLE No. Cores		4 + earth	4 + earth	4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R32 (GWP 675)		6.5 / 4.4	6.5 / 4.4	6.5 / 4.4
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R32 (GWP 675)		18.0 / 12.2	18.5 / 12.5	19.5 / 13.2

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



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-A1	PURY-EP250YNW-A1	PURY-EP300YNW-A1	PURY-EP350YNW-A1	PURY-EP400YNW-A1	PURY-EP400YSNW-A1
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5	45.0	50.0	50.0
	Cooling (nominal)	22.4	28.0	33.5	40.0	45.0	45.0
	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)	20.1	25.1	30.0	35.8	40.3	40.3
POWER INPUT (kW)	Heating (nominal)	5.25	7.37	9.51	11.08	13.58	10.82
	Cooling (nominal)	4.74	6.89	8.17	9.97	13.04	9.82
	High Performance Heating (UK)	6.62	9.29	12.65	14.74	15.35	13.85
	COP Priority Heating (UK)	5.25	7.37	9.51	11.08	13.17	10.82
	Cooling (UK)	2.75	4.00	4.74	5.78	8.35	5.70
COP / EER (nominal)		4.76 / 4.72	4.27 / 4.06	3.94 / 4.10	4.06 / 4.01	3.68 / 3.45	4.62 / 4.58
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
	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")
PIPE SIZE mm (in)	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")
	Heating / Cooling	59.0 / 59.0	61.0 / 60.5	67.0 / 61.0	64.0 / 62.5	69.0 / 65.0	62.0 / 62.0
SOUND PRESSURE LEVEL (dBA) @ 1m		59.0 / 59.0	61.0 / 60.5	67.0 / 61.0	64.0 / 62.5	69.0 / 65.0	62.0 / 62.0
SOUND POWER LEVEL (dBA) @ 100% Capacity		78.0 / 76.0	80.0 / 78.0	86.0 / 80.0	83.0 / 81.0	88.0 / 83.0	81.0 / 79.0
SOUND POWER LEVEL (dBA) @ 90% Capacity		74.5 / 71.0	76.0 / 73.5	78.5 / 74.5	81.0 / 76.0	81.0 / 77.0	77.5 / 74.0
SOUND POWER LEVEL (dBA) @ 75% Capacity		71.5 / 66.5	74.5 / 69.5	74.5 / 70.5	77.0 / 73.0	75.0 / 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	1858	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	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		8.4 / 7.6 [16.1]	11.8 / 11.0 [17.0]	15.2 / 13.1 [20.3]	17.7 / 15.9 [24.4]	21.7 / 20.9 [30.7]	17.3 / 15.7 [16.1 + 16.1]
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)*1		1 x 20	1 x 20	1 x 25	1 x 25	1 x 32	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	53.6 / 111.9

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

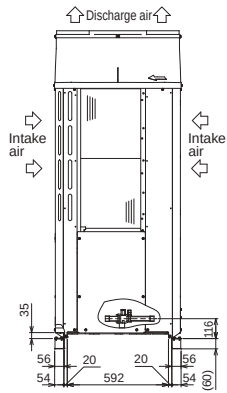
*1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.



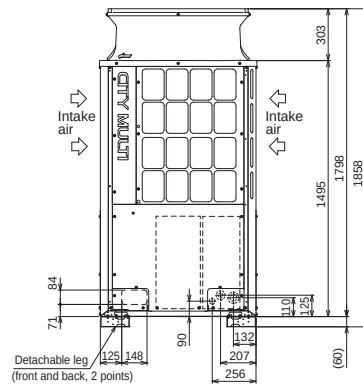
Product Dimensions

PURY-EP200/250/300YNW-A1

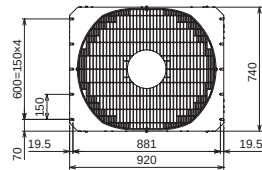
Side View



Front View



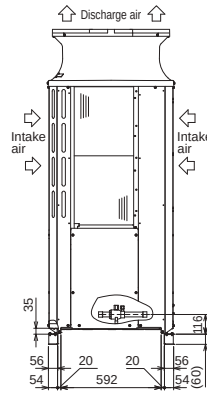
Upper View



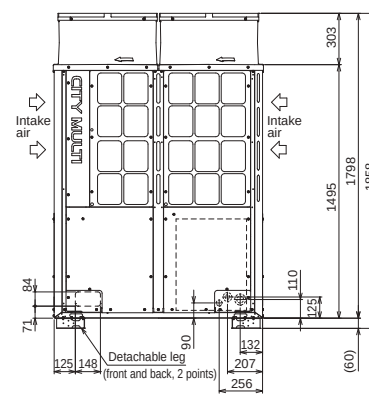
Product Dimensions

PURY-EP350/400YNW-A1

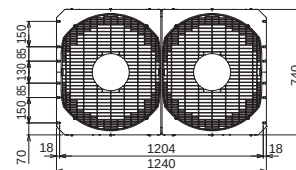
Side View



Front View



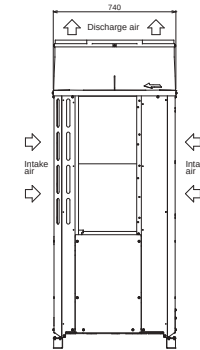
Upper View



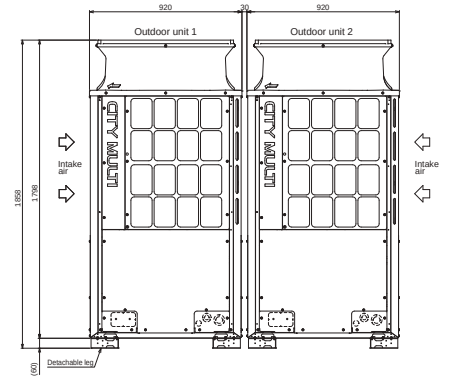
Product Dimensions

PURY-EP400YSNW-A1

Side View



Front View



R2 Series VRF High Efficiency (50-63kW)

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-A1	PURY-EP450YSNW-A1	PURY-EP500YNW-A1	PURY-EP500YSNW-A1	PURY-EP550YNW-A1	PURY-EP550YSNW-A1
CAPACITY (kW)	Heating (nominal)	56.0	56.0	63.0	63.0	69.0	69.0
	Cooling (nominal)	50.0	50.0	56.0	56.0	63.0	63.0
	High Performance Heating (UK)	50.4	56.0	56.7	63.0	62.1	65.6
	COP Priority Heating (UK)	48.2	51.0	54.2	57.3	59.3	62.8
	Cooling (UK)	44.8	44.8	50.1	50.1	56.4	56.4
POWER INPUT (kW)	Heating (nominal)	14.62	12.78	17.35	15.21	19.71	17.33
	Cooling (nominal)	13.85	11.73	18.12	14.21	22.00	15.90
	High Performance Heating (UK)	16.52	20.19	19.61	19.47	22.27	23.05
	COP Priority Heating (UK)	14.18	12.78	16.83	15.21	19.12	17.33
	Cooling (UK)	8.86	6.80	11.60	8.24	14.08	9.22
COP / EER (nominal)		3.83 / 3.61	4.38 / 4.26	3.63 / 3.09	4.14 / 3.94	3.50 / 2.86	3.98 / 3.96
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 / 66.0	68.0 / 64.0
SOUND POWER LEVEL (dBA) @ 100% Capacity		89.0 / 83.0	83.0 / 81.0	84.0 / 82.0	83.0 / 81.0	89.0 / 83.0	87.5 / 83.0
SOUND POWER LEVEL (dBA) @ 90% Capacity		83.0 / 78.5	78.5 / 75.5	81.0 / 76.5	79.0 / 76.5	82.5 / 78.0	81.5 / 77.0
SOUND POWER LEVEL (dBA) @ 75% Capacity		76.5 / 74.0	76.5 / 71.5	77.5 / 73.5	75.5 / 72.5	78.5 / 74.5	77.5 / 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	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}		23.4 / 22.2 [34.6]	20.4 / 18.8 [16.1 + 17.0]	27.8 / 29.0 [40.3]	24.3 / 22.7 [17.0 + 17.0]	31.6 / 35.2 [44.3]	27.7 / 25.4 [17.0 + 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 20	1 x 50	1 x 20 / 1 x 20	1 x 50	1 x 20 / 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)		44.7 / 93.3	53.6 / 111.9	45.2 / 94.4	53.6 / 111.9	45.2 / 94.4	53.6 / 111.9

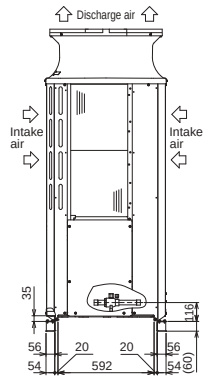
Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

*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.

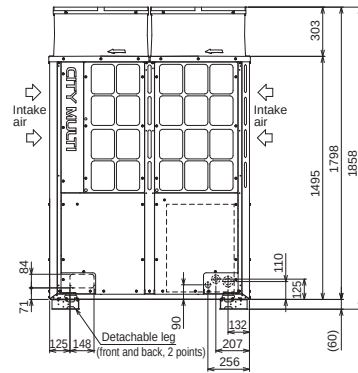
Product Dimensions

PURY-EP450YNW-A1

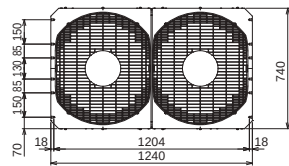
Side View



Front View



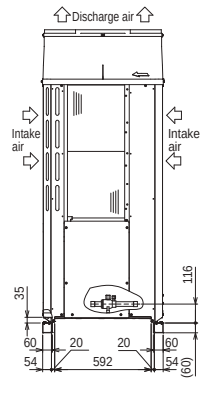
Upper View



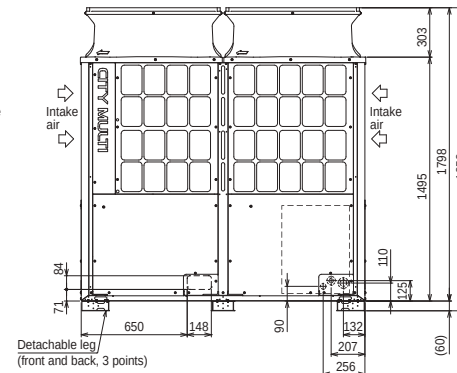
Product Dimensions

PURY-EP500/550YNW-A1

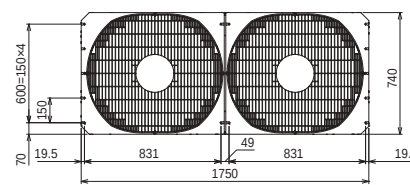
Side View



Front View



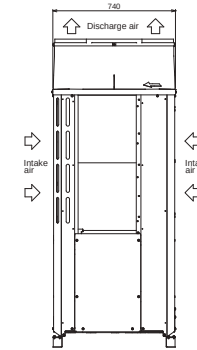
Upper View



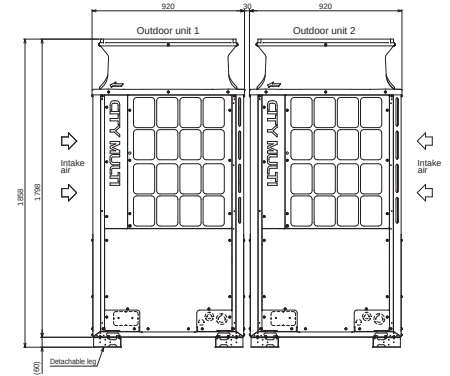
Product Dimensions

PURY-EP450/500/550YSNW-A1

Side View



Front View



R2 Series VRF High Efficiency (69-96kW)

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-EP600YSNW-A1	PURY-EP650YSNW-A1	PURY-EP700YSNW-A1	PURY-EP750YSNW-A1	PURY-EP800YSNW-A1	PURY-EP850YSNW-A1
CAPACITY (kW)	Heating (nominal)	76.5	81.5	88.0	95.0	100.0	108.0
	Cooling (nominal)	69.0	73.0	80.0	85.0	90.0	96.0
	High Performance Heating (UK)	72.7	77.4	83.6	85.5	90.0	97.2
	COP Priority Heating (UK)	69.6	74.2	80.1	81.7	86.0	92.9
	Cooling (UK)	61.8	65.3	71.6	76.1	80.6	85.9
POWER INPUT (kW)	Heating (nominal)	20.02	21.00	22.33	25.33	28.01	29.67
	Cooling (nominal)	17.33	18.57	20.56	23.48	26.86	28.07
	High Performance Heating (UK)	26.63	27.93	29.70	28.62	31.65	33.53
	COP Priority Heating (UK)	20.02	21.00	22.33	24.57	27.17	28.78
	Cooling (UK)	10.05	10.77	11.92	13.62	17.19	17.96
COP / EER (nominal)		3.82 / 3.98	3.88 / 3.93	3.94 / 3.89	3.75 / 3.62	3.57 / 3.35	3.64 / 3.42
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	88.0 / 84.0	86.0 / 84.0	90.0 / 86.0	91.0 / 86.0	92.0 / 86.0
SOUND POWER LEVEL (dBA) @ 90% Capacity	Heating / Cooling	81.5 / 77.5	83.0 / 78.5	84.0 / 79.0	83.5 / 79.5	83.0 / 80.0	85.0 / 81.0
SOUND POWER LEVEL (dBA) @ 75% Capacity	Heating / Cooling	77.5 / 73.5	79.0 / 75.0	80.0 / 76.0	79.5 / 76.0	78.0 / 76.0	79.0 / 76.5
WEIGHT (kg)		230 + 230	230 + 275	275 + 275	275 + 275	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	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]	32.1 / 27.7 [20.3 + 20.3]	33.6 / 29.7 [20.3 + 24.4]	35.8 / 32.9 [24.4 + 24.4]	40.6 / 37.6 [24.4 + 30.7]	44.9 / 43.0 [30.7 + 30.7]	47.5 / 45.0 [30.7 + 34.6]
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 25 / 1 x 25	1 x 25 / 1 x 25	1 x 25 / 1 x 25	1 x 25 / 1 x 32	1 x 32 / 1 x 32	1 x 32 / 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)		53.6 / 111.9	59.8 / 124.9	78 / 162.9	80.5 / 168.1	83 / 173.3	80.2 / 167.5

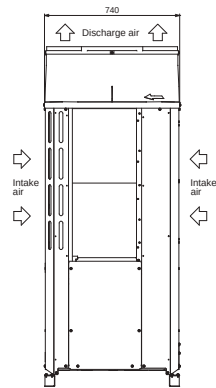
Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

*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.

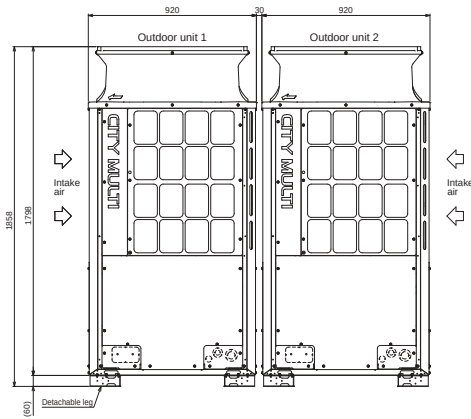
Product Dimensions

PURY-EP600YSNW-A1

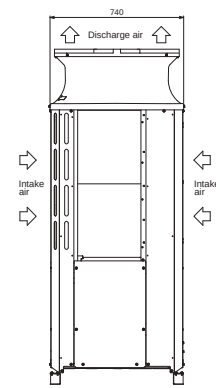
Side View



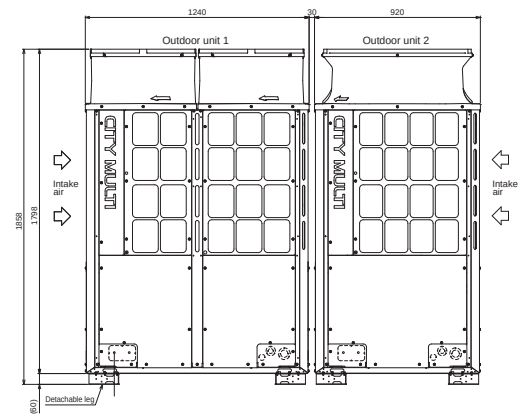
Front View



Side View



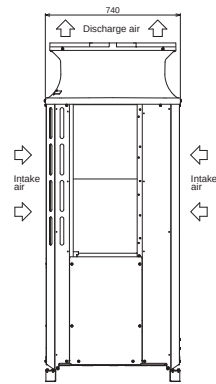
Front View



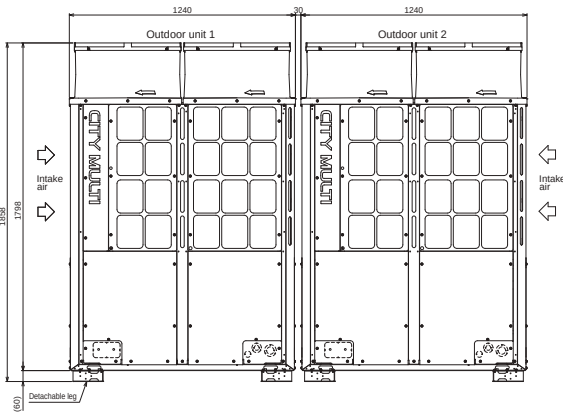
Product Dimensions

PURY-EP700/750/800/850YSNW-A1

Side View



Front View



R2 Series VRF High Efficiency (101-124kW)

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-A1	PURY-EP950YSNW-A1	PURY-EP1000YSNW-A1	PURY-EP1050YSNW-A1	PURY-EP1100YSNW-A1
CAPACITY (kW)	Heating (nominal)	113.0	119.5	127.0	132.0	140.0
	Cooling (nominal)	101.0	108.0	113.0	118.0	124.0
	High Performance Heating (UK)	101.7	107.6	114.3	118.8	126.0
	COP Priority Heating (UK)	97.2	102.8	109.2	113.5	120.4
	Cooling (UK)	90.4	96.7	101.1	105.6	111.0
POWER INPUT (kW)	Heating (nominal)	30.37	33.01	36.07	38.15	41.17
	Cooling (nominal)	28.85	33.23	37.66	40.83	44.76
	High Performance Heating (UK)	34.32	37.30	40.76	43.11	46.52
	COP Priority Heating (UK)	29.46	32.02	34.99	37.01	39.93
	Cooling (UK)	18.46	21.27	24.10	26.13	28.65
COP / EER (nominal)		3.72 / 3.50	3.62 / 3.25	3.52 / 3.00	3.46 / 2.89	3.40 / 2.77
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	73.0 / 69.0
SOUND POWER LEVEL (dBA) @ 100% Capacity		Heating / Cooling	92.0 / 86.0	91.0 / 86.0	87.0 / 85.0	91.0 / 86.0
SOUND POWER LEVEL (dBA) @ 90% Capacity		Heating / Cooling	86.0 / 81.5	85.5 / 81.0	84.0 / 79.5	85.0 / 80.5
SOUND POWER LEVEL (dBA) @ 75% Capacity		Heating / Cooling	79.5 / 77.0	80.0 / 77.0	80.5 / 76.5	81.0 / 77.0
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]	48.7 / 46.2 [34.6 + 34.6]	52.9 / 53.2 [34.6 + 40.3]	57.8 / 60.3 [40.3 + 40.3]	61.1 / 65.4 [40.3 + 44.3]
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 50	1 x 50 / 1 x 50
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)		77.4 / 161.6	77.4 / 161.6	77.4 / 161.6	77.4 / 161.6	77.4 / 161.6

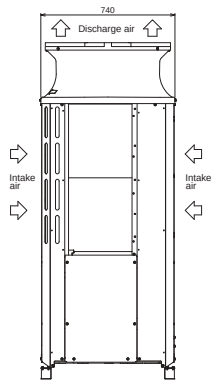
Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

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

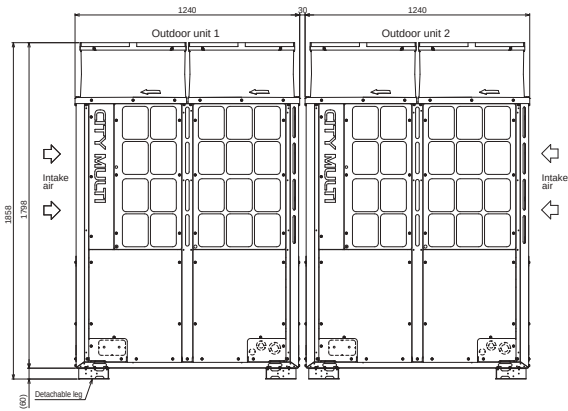
Product Dimensions

PURY-EP900YSNW-A1

Side View



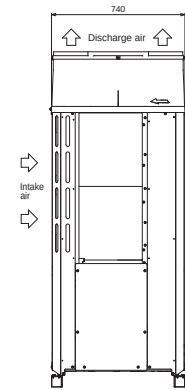
Front View



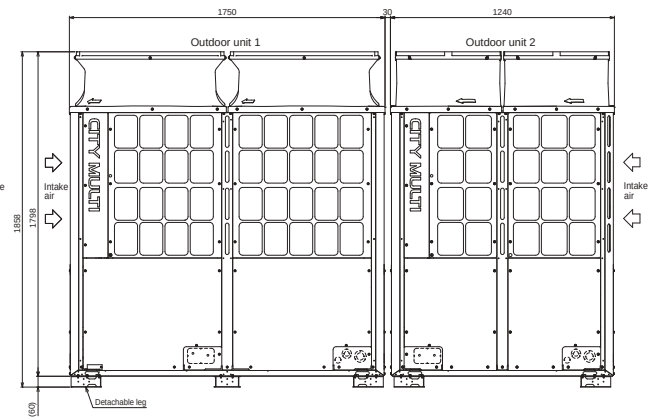
Product Dimensions

PURY-EP950YSNW-A1

Side View



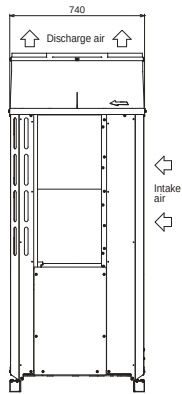
Front View



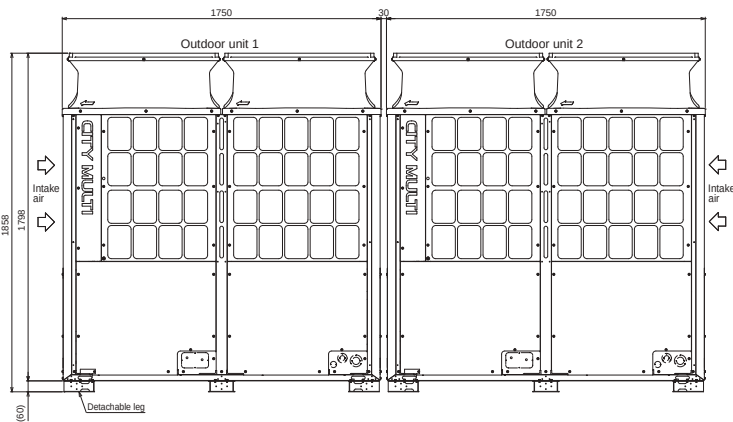
Product Dimensions

PURY-EP1000/1050/1100YSNW-A1

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-A1	PURY-P250YNW-A1	PURY-P300YNW-A1	PURY-P350YNW-A1	PURY-P400YNW-A1	PURY-P400YSNW-A1
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5	45.0	50.0	50.0
	Cooling (nominal)	22.4	28.0	33.5	40.0	45.0	45.0
	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)	20.1	25.1	30.0	35.8	40.3	40.3
POWER INPUT (kW)	Heating (nominal)	5.33	7.42	9.54	11.13	13.77	10.98
	Cooling (nominal)	5.27	7.25	8.98	10.98	14.61	10.92
	High Performance Heating (UK)	6.72	9.35	12.69	14.80	15.56	14.05
	COP Priority Heating (UK)	5.33	7.42	9.54	11.13	13.36	10.98
	Cooling (UK)	3.06	4.21	5.21	6.37	9.35	6.33
COP / EER (nominal)		4.69 / 4.25	4.24 / 3.86	3.93 / 3.73	4.04 / 3.64	3.63 / 3.08	4.55 / 4.12
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
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	61.0 / 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	78.0 / 76.0	80.0 / 78.0	86.0 / 80.0	83.0 / 81.0	88.0 / 83.0	81.0 / 79.0
SOUND POWER LEVEL (dBA) @ 90% Capacity	Heating / Cooling	74.5 / 71.0	76.0 / 73.5	78.5 / 74.5	81.0 / 76.0	81.0 / 77.0	77.5 / 74.0
SOUND POWER LEVEL (dBA) @ 75% Capacity	Heating / Cooling	71.5 / 66.5	74.5 / 69.5	74.5 / 70.5	77.0 / 73.0	75.0 / 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	1858	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	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]	8.5 / 8.4 [16.1]	11.8 / 11.6 [17.8]	15.2 / 14.4 [22.7]	17.8 / 17.6 [27.6]	22.0 / 23.4 [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)*1		1 x 20	1 x 20	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

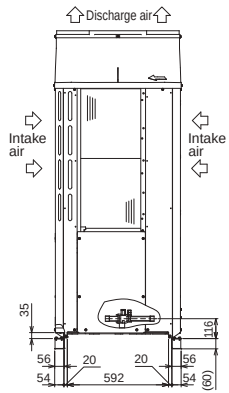
Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

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

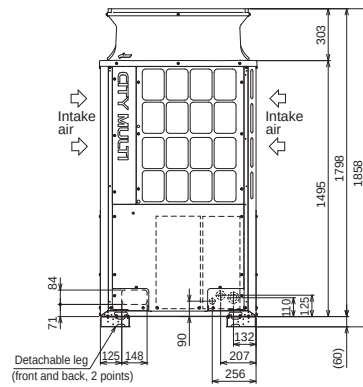
Product Dimensions

PURY-P200/250/300YNW-A1

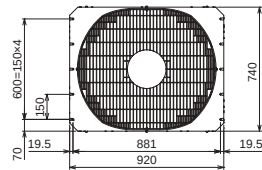
Side View



Front View



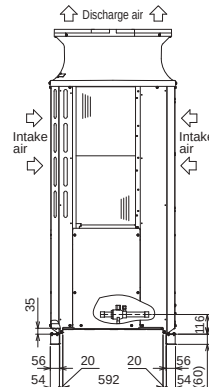
Upper View



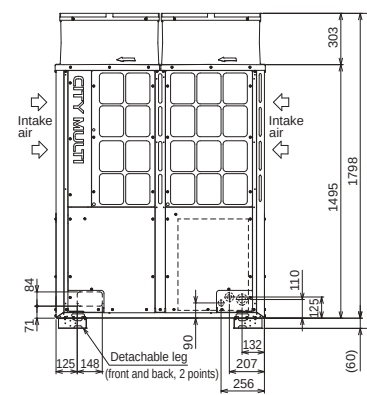
Product Dimensions

PURY-P350/400YNW-A1

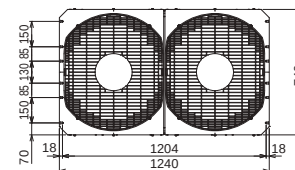
Side View



Front View



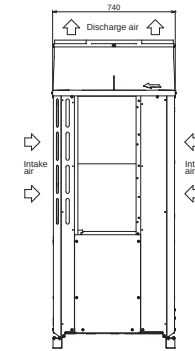
Upper View



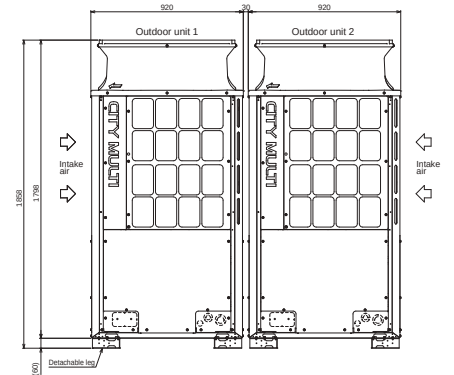
Product Dimensions

PURY-P400YSNW-A1

Side View



Front View



R2 Series VRF Standard Efficiency (50-63kW)

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-A1	PURY-P450YSNW-A1	PURY-P500YNW-A1	PURY-P500YSNW-A1	PURY-P550YNW-A1	PURY-P550YSNW-A1
CAPACITY (kW)	Heating (nominal)	56.0	56.0	63.0	63.0	69.0	69.0
	Cooling (nominal)	50.0	50.0	56.0	56.0	63.0	63.0
	High Performance Heating (UK)	50.4	56.0	56.7	63.0	62.1	65.6
	COP Priority Heating (UK)	48.2	51.0	54.2	57.3	59.3	62.8
	Cooling (UK)	44.8	44.8	50.1	50.1	56.4	56.4
POWER INPUT (kW)	Heating (nominal)	15.42	12.93	17.50	15.32	20.29	17.42
	Cooling (nominal)	14.83	12.72	18.54	14.97	22.18	17.11
	High Performance Heating (UK)	17.42	16.55	19.78	19.61	22.93	23.17
	COP Priority Heating (UK)	14.96	12.93	16.98	15.32	19.68	17.42
	Cooling (UK)	9.49	7.38	11.87	8.68	14.20	9.92
COP / EER (nominal)		3.63 / 3.37	4.33 / 3.93	3.60 / 3.02	4.11 / 3.74	3.40 / 2.84	3.96 / 3.68
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
	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")
PIPE SIZE mm (in)	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
	Heating / Cooling	70.0 / 65.5	63.5 / 63.0	64.5 / 63.5	64.0 / 63.5	70.0 / 66.0	68.0 / 64.0
SOUND PRESSURE LEVEL (dBA) @ 1m		89.0 / 83.0	83.0 / 81.0	84.0 / 82.0	83.0 / 81.0	89.0 / 83.0	87.0 / 83.0
SOUND POWER LEVEL (dBA) @ 100% Capacity		83.0 / 78.5	78.5 / 75.5	81.0 / 76.5	79.0 / 76.5	82.5 / 78.0	81.5 / 77.0
SOUND POWER LEVEL (dBA) @ 75% Capacity		76.5 / 74.0	76.5 / 71.5	77.5 / 73.5	75.5 / 72.5	78.5 / 74.5	77.5 / 73.0
WEIGHT (kg)		289	214 + 214	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	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		24.7 / 23.7 [37.1]	20.7 / 20.3 [16.1 + 17.8]	28.0 / 29.7 [43.2]	24.5 / 24.0 [17.8 + 17.8]	32.5 / 35.5 [47.5]	27.9 / 27.4 [17.8 + 22.7]
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 20	1 x 50	1 x 20 / 1 x 20	1 x 50	1 x 20 / 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	60.6 / 126.5	45.2 / 94.4	60.6 / 126.5	45.2 / 94.4	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.

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-A1

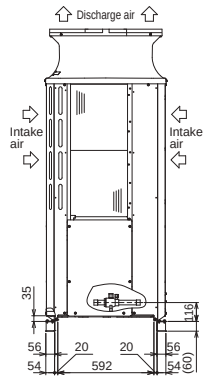
Product Dimensions

PURY-P500/550YNW-A1

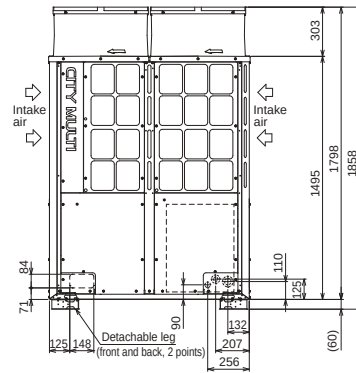
Product Dimensions

PURY-P450/500/550YSNW-A1

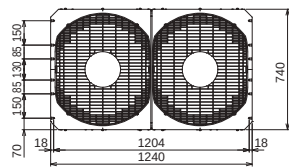
Side View



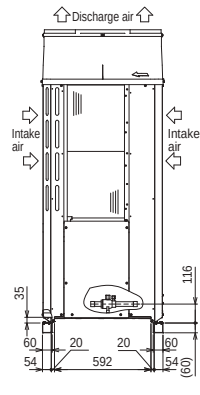
Front View



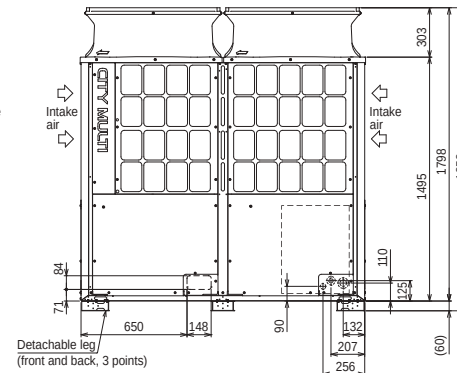
Upper View



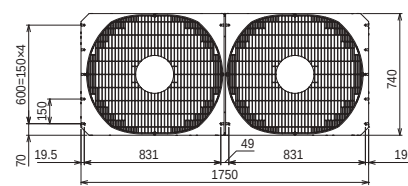
Side View



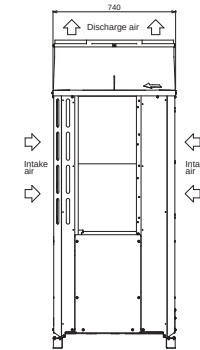
Front View



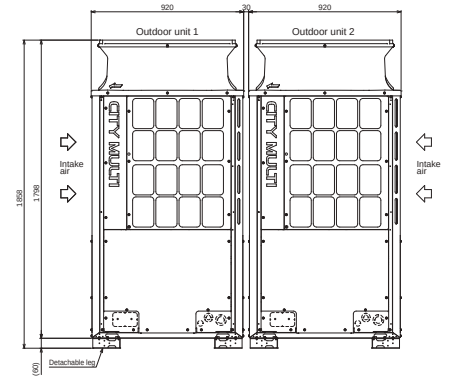
Upper View



Side View



Front View



R2 Series VRF Standard Efficiency (69-96kW)

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-A1	PURY-P650YSNW-A1	PURY-P700YSNW-A1	PURY-P750YSNW-A1	PURY-P800YSNW-A1	PURY-P850YSNW-A1
CAPACITY (kW)	Heating (nominal)	76.5	81.5	88.0	95.0	100.0	108.0
	Cooling (nominal)	69.0	73.0	80.0	85.0	90.0	96.0
	High Performance Heating (UK)	72.7	77.4	83.6	85.5	90.0	97.2
	COP Priority Heating (UK)	69.6	74.2	80.1	81.7	86.0	92.9
	Cooling (UK)	61.8	65.3	71.6	76.1	80.6	85.9
POWER INPUT (kW)	Heating (nominal)	20.07	21.05	22.44	25.53	28.40	30.68
	Cooling (nominal)	19.06	20.44	22.66	26.07	30.10	30.67
	High Performance Heating (UK)	26.69	28.00	29.85	28.85	32.09	34.67
	COP Priority Heating (UK)	20.07	21.05	22.44	24.76	27.55	29.76
	Cooling (UK)	11.05	11.86	13.14	15.12	19.26	19.63
COP / EER (nominal)		3.81 / 3.62	3.87 / 3.57	3.92 / 3.53	3.72 / 3.26	3.52 / 2.99	3.52 / 3.13
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	88.5 / 84.0	86.0 / 84.0	90.0 / 86.0	91.0 / 86.0	92.0 / 86.0
SOUND POWER LEVEL (dBA) @ 90% Capacity	Heating / Cooling	81.5 / 77.5	83.0 / 78.5	84.0 / 79.0	83.5 / 79.5	83.0 / 80.0	85.0 / 81.0
SOUND POWER LEVEL (dBA) @ 75% Capacity	Heating / Cooling	77.5 / 73.5	79.0 / 75.0	80.0 / 76.0	79.5 / 76.0	78.0 / 76.0	79.0 / 76.5
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		32.1 / 30.5 [22.7 + 22.7]	33.7 / 32.7 [22.7 + 27.6]	35.9 / 36.3 [27.6 + 27.6]	40.9 / 41.8 [27.6 + 35.1]	45.5 / 48.2 [35.1 + 35.1]	49.2 / 49.1 [35.1 + 37.1]
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 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)		60.6 / 126.5	65.6 / 137.0	79.6 / 166.2	79.6 / 166.2	83 / 173.3	80.2 / 167.5

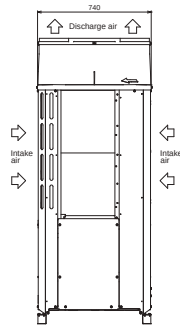
Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard

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.

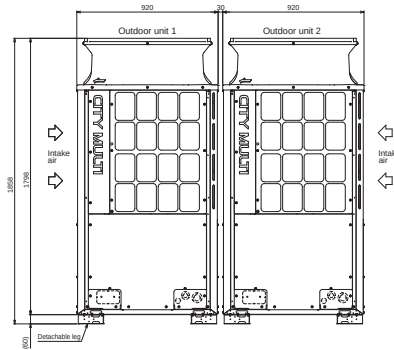
Product Dimensions

PURY-P600YSNW-A1

Side View



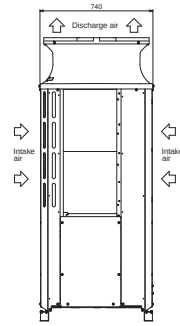
Front View



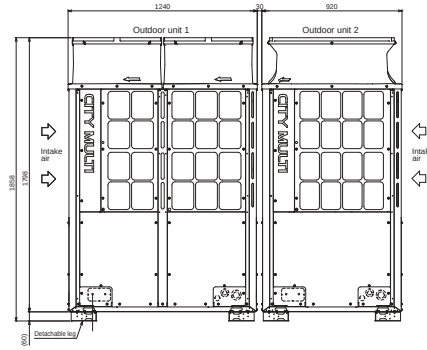
Product Dimensions

PURY-P650YSNW-A1

Side View



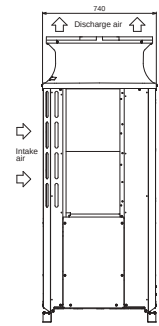
Front View



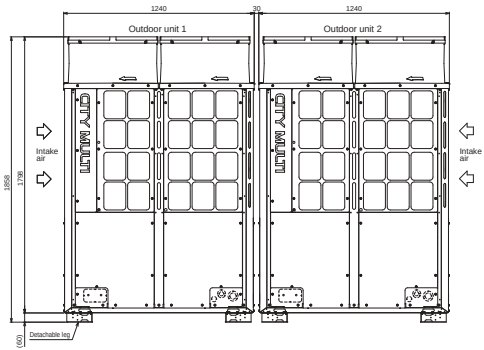
Product Dimensions

PURY-P700/750/800/850YSNW-A1

Side View



Front View



R2 Series VRF Standard Efficiency (101-124kW)

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-A1	PURY-P950YSNW-A1	PURY-P1000YSNW-A1	PURY-P1050YSNW-A1	PURY-P1100YSNW-A1
CAPACITY (kW)	Heating (nominal)	113.0	119.5	127.0	132.0	140.0
	Cooling (nominal)	101.0	108.0	113.0	118.0	124.0
	High Performance Heating (UK)	101.7	107.6	114.3	118.8	126.0
	COP Priority Heating (UK)	97.2	102.8	109.2	113.5	120.4
	Cooling (UK)	90.4	96.7	101.1	105.6	111.0
POWER INPUT (kW)	Heating (nominal)	32.10	34.04	36.38	38.82	42.42
	Cooling (nominal)	30.88	34.83	38.56	41.54	45.09
	High Performance Heating (UK)	36.27	38.47	41.09	43.87	47.93
	COP Priority Heating (UK)	31.14	33.02	35.27	37.66	41.15
	Cooling (UK)	19.76	22.29	24.68	27.00	29.31
COP / EER (nominal)		3.52 / 3.27	3.51 / 3.10	3.49 / 2.93	3.40 / 2.84	3.30 / 2.75
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	73.0 / 69.0
SOUND POWER LEVEL (dBA) @ 100% Capacity		Heating / Cooling	92.0 / 86.0	91.0 / 86.0	87.0 / 85.0	91.0 / 86.0
SOUND POWER LEVEL (dBA) @ 90% Capacity		Heating / Cooling	86.0 / 81.5	85.5 / 81.0	84.0 / 79.5	85.0 / 80.5
SOUND POWER LEVEL (dBA) @ 75% Capacity		Heating / Cooling	79.5 / 77.0	80.0 / 77.0	80.5 / 76.5	81.0 / 77.0
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		Heating / Cooling [MAX]	51.4 / 49.5 [37.1 + 37.1]	54.5 / 55.8 [37.1 + 43.2]	58.3 / 61.8 [43.2 + 43.2]	62.2 / 66.6 [43.2 + 47.5]
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 50	1 x 50 / 1 x 50
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)		77.4 / 161.6	77.4 / 161.6	77.4 / 161.6	77.4 / 161.6	77.4 / 161.6

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

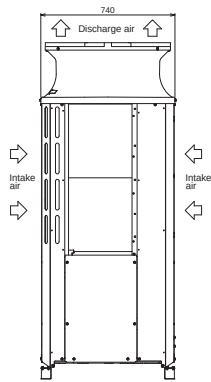
*1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.



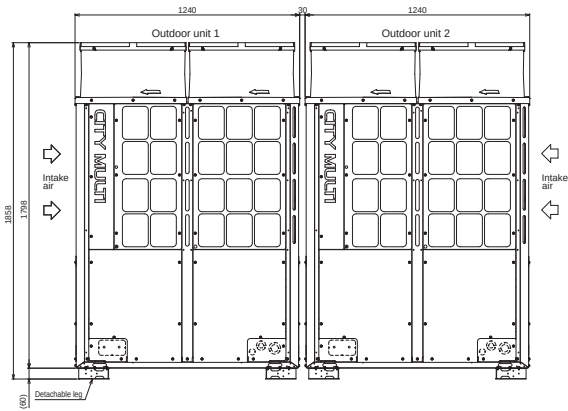
Product Dimensions

PURY-P900YSNW-A1

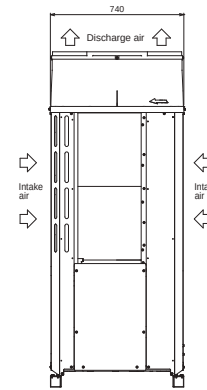
Side View



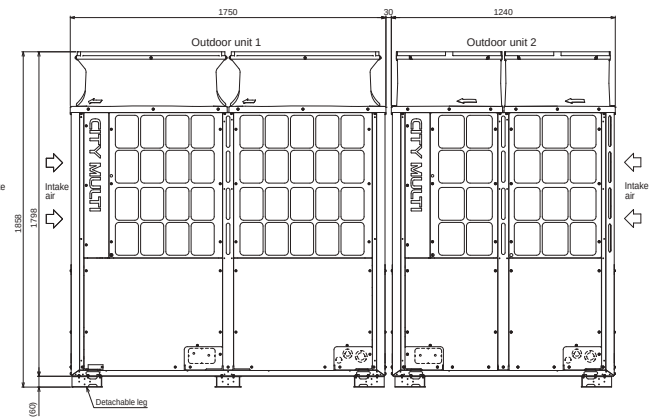
Front View



Side View



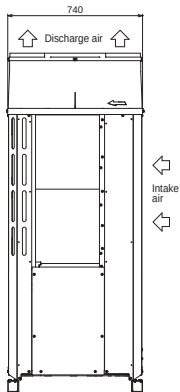
Front View



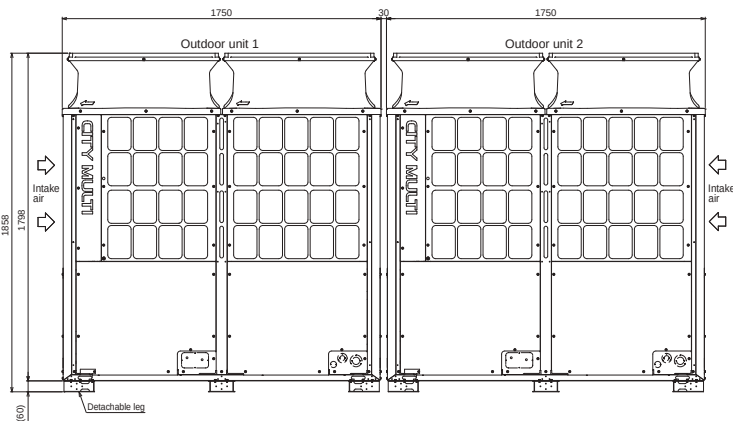
Product Dimensions

PURY-P-1000/1050/1100YSNW-A1

Side View

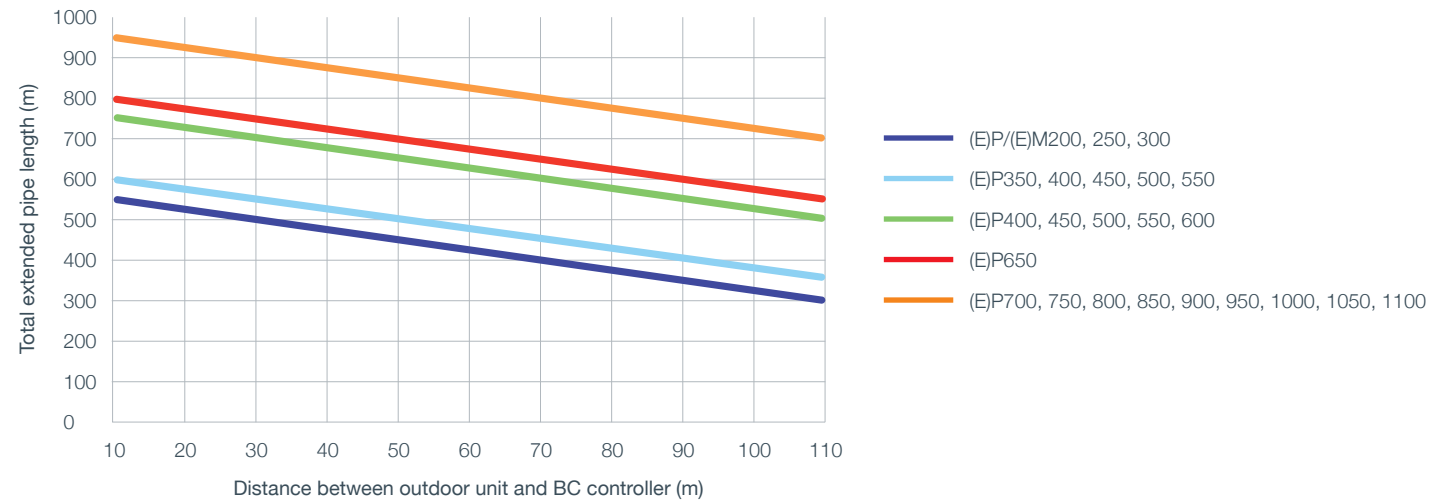


Front View

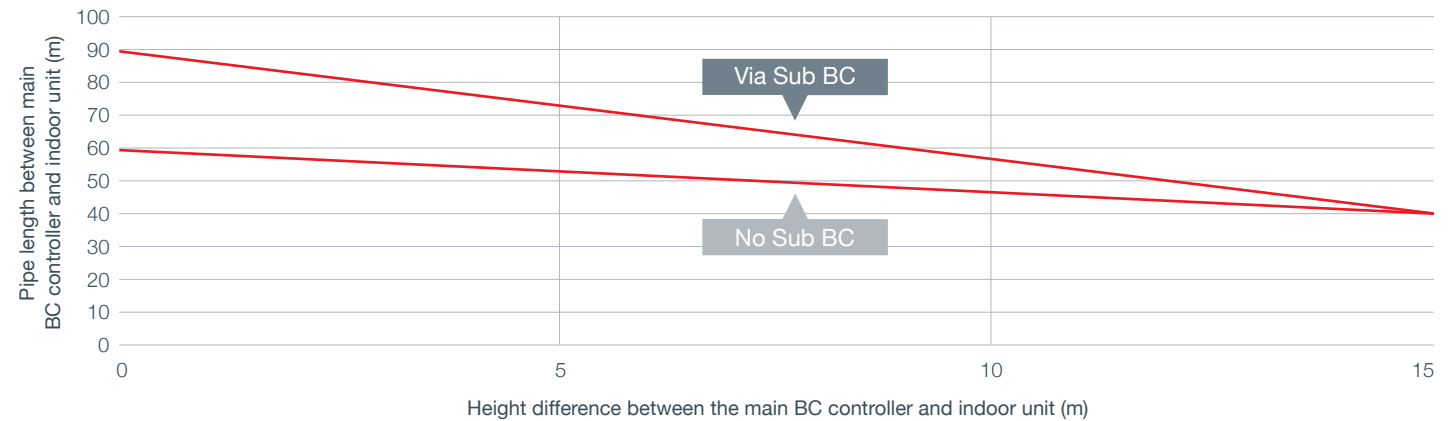


R2 Series Piping Design (R32 & R410A)

GRAPH 1: TOTAL PIPING LENGTH RESTRICTIONS



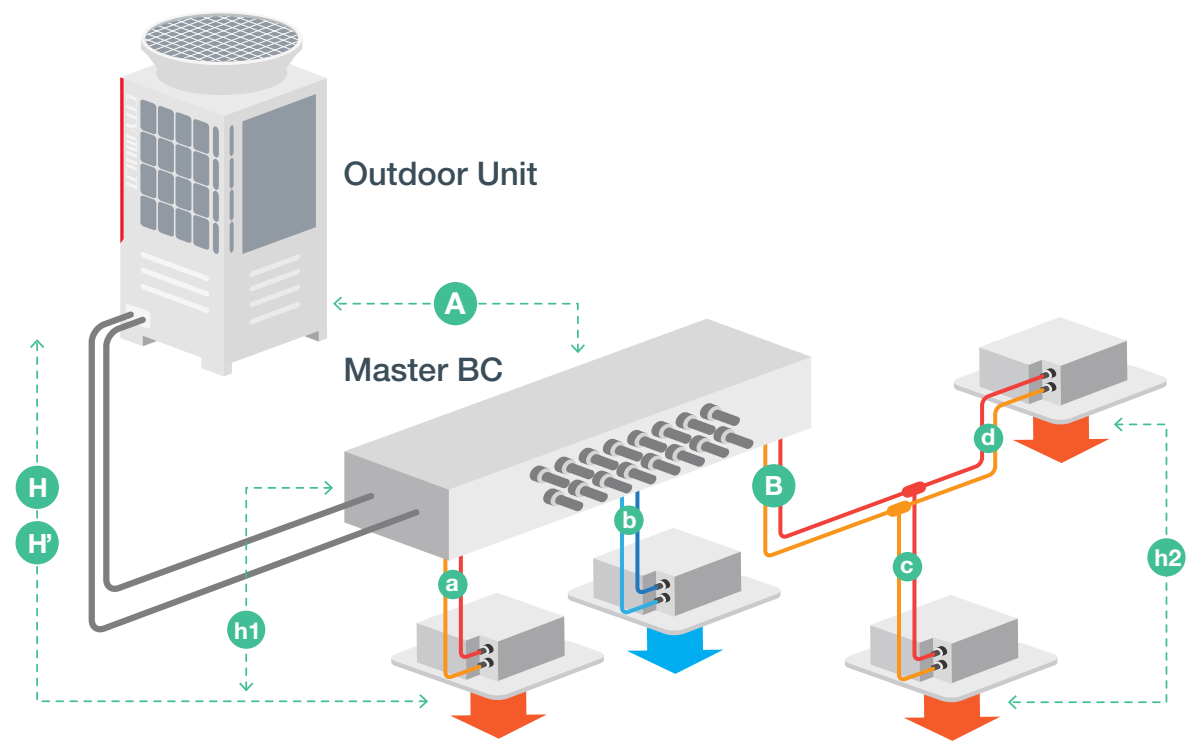
GRAPH 2: PIPE LENGTH BETWEEN BC CONTROLLER & INDOOR UNIT



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

R2 Series Piping Design (R32 & 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.

Y Series VRF (22.4-45kW)

Heat Pump Outdoor Unit (Heating or Cooling)

The **PUHY-P** City Multi Y Series VRF Heat Pump system provides a simple and flexible solution where there is demand for one outdoor unit to provide all (or selected) indoor units with heating or cooling at a given time. These modular heat pump systems provide complete design flexibility for applications such as open-plan offices, call centres and retail spaces.

Key Features & Benefits

- Energy efficient heat pump system
- Delivers high levels of thermal and acoustic comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application
- Connectable to a broad choice of indoor unit types and capacities



OUTDOOR UNITS		PUHY-P200YNW-A1	PUHY-P250YNW-A1	PUHY-P300YNW-A1	PUHY-P350YNW-A1	PUHY-P400YNW-A1	PUHY-P400YSNW-A1
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5	45.0	50.0	50.0
	Cooling (nominal)	22.4	28.0	33.5	40.0	45.0	45.0
	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)	20.1	25.1	30.0	35.8	40.3	40.3
POWER INPUT (kW)	Heating (nominal)	5.10	7.20	8.46	10.39	12.37	10.52
	Cooling (nominal)	4.81	7.14	8.79	10.95	14.19	9.97
	High Performance Heating (UK)	6.43	9.07	11.25	13.82	13.98	13.47
	COP Priority Heating (UK)	5.10	7.20	8.46	10.39	12.00	10.52
	Cooling (UK)	2.79	4.14	5.10	6.35	9.08	5.78
COP / EER (nominal)		4.90 / 4.65	4.37 / 3.92	4.43 / 3.81	4.33 / 3.65	4.04 / 3.17	4.75 / 4.51
MAX No. OF CONNECTABLE INDOOR UNITS		17	21	26	30	34	34
MAX CONNECTABLE CAPACITY		50~130% OU 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	170	185	240	270	300	170 / 170
	Liquid	9.52 (3/8")	9.52 (3/8")*1	9.52 (3/8")*1	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
PIPE SIZE mm (in)	Gas	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")
	Liquid	9.52 (3/8")	9.52 (3/8")*1	9.52 (3/8")*1	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
SOUND PRESSURE LEVEL (dBA) Heating / Cooling		59.0 / 58.0	61.0 / 60.0	64.5 / 61.0	64.0 / 62.0	67.0 / 65.0	62.0 / 61.0
SOUND POWER LEVEL (dBA) Heating / Cooling		77.0 / 75.0	80.0 / 78.0	84.0 / 80.0	83.0 / 80.0	86.0 / 82.0	80.0 / 78.0
WEIGHT (kg)		213	213	226	277	277	213 + 213
DIMENSIONS (mm)	Width	920	920	920	1240	1240	920 + 920
	Depth	740	740	740	740	740	740
	Height (1650mm 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]		8.1 / 7.7 [16.1]	11.5 / 11.4 [17.8]	13.5 / 14.0 [22.7]	16.6 / 17.5 [26.4]	19.8 / 22.7 [31.9]	16.8 / 15.9 [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)*2		1 x 20	1 x 20	1 x 25	1 x 32	1 x 32	1 x 20 / 1 x 20
MAINS CABLE No. Cores*2		4 + earth	4 + earth	4 + earth	4 + earth	4 + earth	4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		6.5 / 13.6	6.5 / 13.6	6.5 / 13.6	9.8 / 20.5	9.8 / 20.5	13 / 27.1
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		15.9 / 33.2	22.9 / 47.8	23.4 / 48.9	24 / 50.1	24.4 / 51.0	32 / 66.8

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

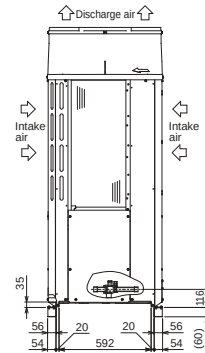
*1 12.7mm(1/2") if P250 furthest length ≥ 90m, P300 furthest length ≥ 40m. *2 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.



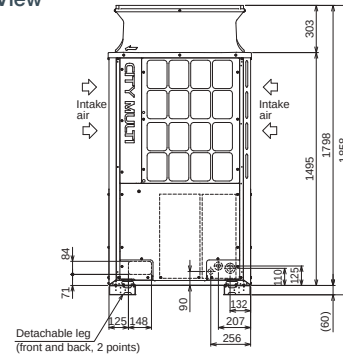
Product Dimensions

PUHY-P200/250/300YNW-A1

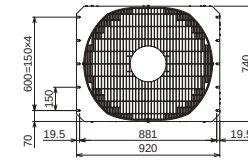
Side View



Front View



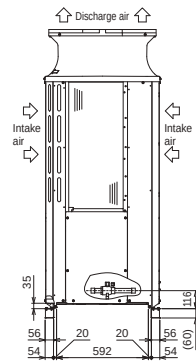
Upper View



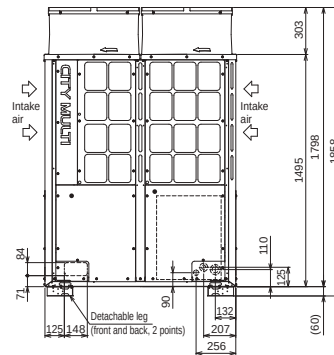
Product Dimensions

PUHY-P350/400YNW-A1

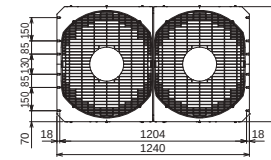
Side View



Front View



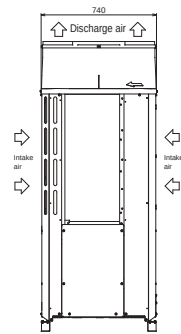
Upper View



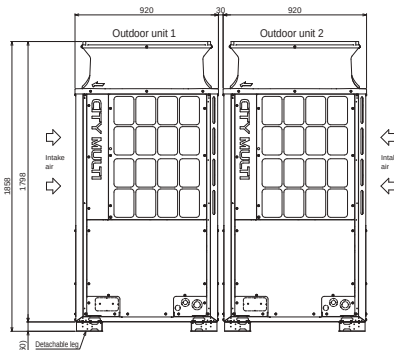
Product Dimensions

PUHY-P400YSNW-A1

Side View



Front View



Y Series VRF (50-63kW)

Heat Pump Outdoor Unit (Heating or Cooling)

The **PUHY-P** City Multi Y Series VRF Heat Pump system provides a simple and flexible solution where there is demand for one outdoor unit to provide all (or selected) indoor units with heating or cooling at a given time. These modular heat pump systems provide complete design flexibility for applications such as open-plan offices, call centres and retail spaces.

Key Features & Benefits

- Energy efficient heat pump system
- Delivers high levels of thermal and acoustic comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application
- Connectable to a broad choice of indoor unit types and capacities



OUTDOOR UNITS		PUHY-P450YNW-A1	PUHY-P450YSNW-A1	PUHY-P500YNW-A1	PUHY-P500YSNW-A1	PUHY-P550YSNW-A1
CAPACITY (kW)	Heating (nominal)	56.0	56.0	63.0	63.0	69.0
	Cooling (nominal)	50.0	50.0	56.0	56.0	63.0
	High Performance Heating (UK)	50.4	56.0	56.7	63.0	65.6
	COP Priority Heating (UK)	48.2	51.0	54.2	57.3	62.8
	Cooling (UK)	44.8	44.8	50.1	50.1	56.4
POWER INPUT (kW)	Heating (nominal)	14.00	12.55	15.98	14.89	16.15
	Cooling (nominal)	14.57	12.16	17.55	14.73	16.84
	High Performance Heating (UK)	15.82	16.06	18.06	19.09	21.48
	COP Priority Heating (UK)	13.58	12.55	15.50	14.89	16.15
	Cooling (UK)	9.32	7.05	11.23	8.54	9.77
COP / EER (nominal)		4.00 / 3.43	4.46 / 4.11	3.94 / 3.19	4.23 / 3.80	4.27 / 3.74
MAX No. OF CONNECTABLE INDOOR UNITS		39	39	43	43	47
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	170 / 185	365	185 / 185	185 / 240
	Low	285	160 / 175	345	175 / 175	175 / 230
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")
	Liquid	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
SOUND PRESSURE LEVEL (dBA)	Heating / Cooling	69.5 / 65.5	63.0 / 62.0	66.5 / 63.5	64.0 / 63.0	66.0 / 63.5
SOUND POWER LEVEL (dBA)	Heating / Cooling	89.0 / 84.0	82.0 / 80.0	85.0 / 82.0	83.0 / 81.0	85.0 / 82.0
WEIGHT (kg)		293	213 + 213	334	213 + 213	213 + 226
DIMENSIONS (mm)	Width	1240	920 + 920	1750	920 + 920	920 + 920
	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		22.4 / 23.3 [37.1]	20.1 / 19.5 [16.1 + 17.8]	25.6 / 28.1 [43.7]	23.8 / 23.6 [17.8 + 17.8]	25.9 / 27.0 [17.8 + 22.7]
GUARANTEED OPERATING RANGE (°C)		Heating / Cooling [MAX]	Heating / Cooling	Heating / Cooling	Heating / Cooling	Heating / Cooling
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*1		1 x 40	1 x 20 / 1 x 20	1 x 50	1 x 20 / 1 x 20	1 x 20 / 1 x 25
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)		10.8 / 22.6	13 / 27.1	10.8 / 22.6	13 / 27.1	13 / 27.1
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		32.2 / 67.2	32 / 66.8	33.1 / 69.1	32.9 / 68.7	34.7 / 72.5

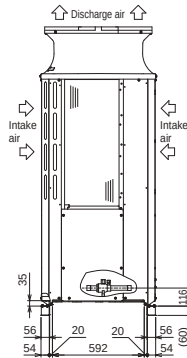
Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

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

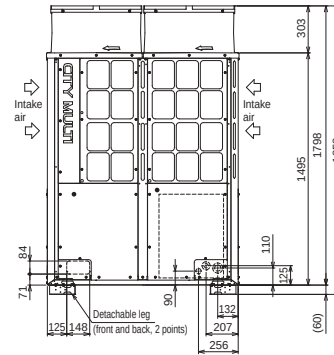
Product Dimensions

PUHY-P450YNW-A1

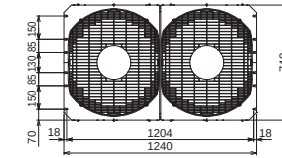
Side View



Front View



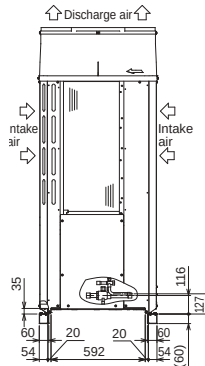
Upper View



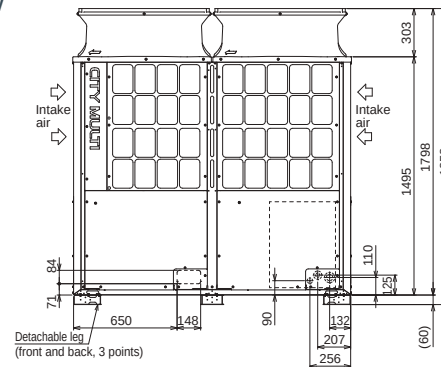
Product Dimensions

PUHY-P500YNW-A1

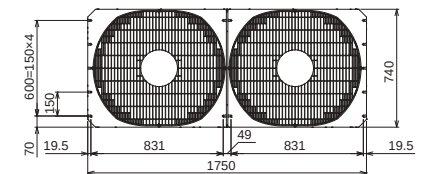
Side View



Front View



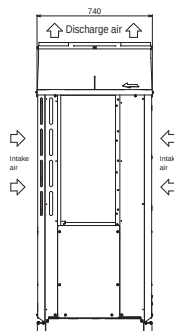
Upper View



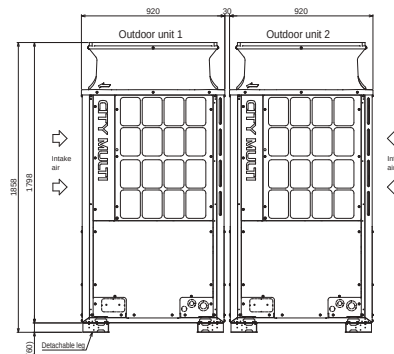
Product Dimensions

PUHY-P450/500/550YSNW-A1

Side View



Front View



Y Series VRF (69-96kW)

Heat Pump Outdoor Unit (Heating or Cooling)

The **PUHY-P** City Multi Y Series VRF Heat Pump system provides a simple and flexible solution where there is demand for one outdoor unit to provide all (or selected) indoor units with heating or cooling at a given time. These modular heat pump systems provide complete design flexibility for applications such as open-plan offices, call centres and retail spaces.

Key Features & Benefits

- Energy efficient heat pump system
- Delivers high levels of thermal and acoustic comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application
- Connectable to a broad choice of indoor unit types and capacities



OUTDOOR UNITS		PUHY-P600YSNW-A1	PUHY-P650YSNW-A1	PUHY-P700YSNW-A1	PUHY-P750YSNW-A1	PUHY-P800YSNW-A1	PUHY-P850YSNW-A1
CAPACITY (kW)	Heating (nominal)	76.5	81.5	88.0	95.0	100.0	108.0
	Cooling (nominal)	69.0	73.0	80.0	85.0	90.0	96.0
	High Performance Heating (UK)	72.7	77.4	83.6	90.3	95.0	97.2
	COP Priority Heating (UK)	69.6	74.2	80.1	86.5	91.0	92.9
	Cooling (UK)	61.8	65.3	71.6	76.1	80.6	85.9
POWER INPUT (kW)	Heating (nominal)	17.83	20.17	20.95	23.45	24.87	27.76
	Cooling (nominal)	18.69	21.79	22.59	25.83	26.31	30.00
	High Performance Heating (UK)	23.71	26.83	27.86	31.19	33.08	31.37
	COP Priority Heating (UK)	17.83	20.17	20.95	23.45	24.87	26.93
	Cooling (UK)	10.84	12.64	13.10	14.98	15.26	19.20
COP / EER (nominal)		4.29 / 3.69	4.04 / 3.35	4.20 / 3.54	4.05 / 3.29	4.02 / 3.42	3.89 / 3.20
MAX No. OF CONNECTABLE INDOOR UNITS		50	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	50~130% OU Capacity
AIRFLOW (m³/min)	High	240 / 240	185 / 300	270 / 270	270 / 300	270 / 305	300 / 305
	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")
PIPE SIZE mm (in)	Liquid	15.88 (5/8")	15.88 (5/8")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")
SOUND PRESSURE LEVEL (dBA) Heating / Cooling		67.5 / 64.0	68.0 / 66.5	67.0 / 65.0	68.5 / 67.0	71.0 / 67.5	71.5 / 68.5
SOUND POWER LEVEL (dBA) Heating / Cooling		87.0 / 83.0	87.0 / 83.0	86.0 / 83.0	88.0 / 84.0	90.0 / 85.0	91.0 / 86.0
WEIGHT (kg)		226 + 226	213 + 277	277 + 277	277 + 277	277 + 293	277 + 293
DIMENSIONS (mm)							
(1798mm without legs)	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
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]		28.5 / 29.9 [22.7 + 22.7]	32.3 / 34.9 [17.8 + 31.9]	33.5 / 36.2 [26.4 + 26.4]	37.6 / 41.4 [26.4 + 31.9]	39.8 / 42.1 [26.4 + 37.1]	44.5 / 48.1 [31.9 + 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	-20~15.5 / -5~52
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*1		1 x 25 / 1 x 25	1 x 20 / 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
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	4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		13 / 27.1	16.3 / 34.0	19.6 / 40.9	19.6 / 40.9	20.6 / 43.0	20.6 / 43.0
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		34.7 / 72.5	35.2 / 73.5	44.8 / 93.5	44.8 / 93.5	44.7 / 93.3	46.5 / 97.1

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

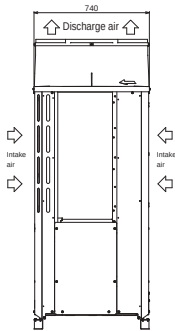
*1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.



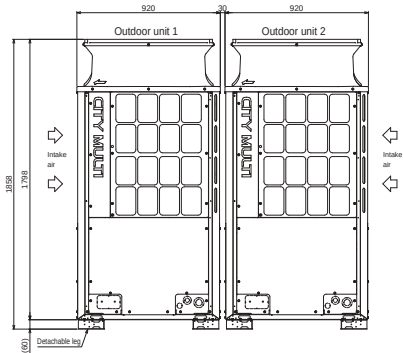
Product Dimensions

PUHY-P600YSNW-A1

Side View



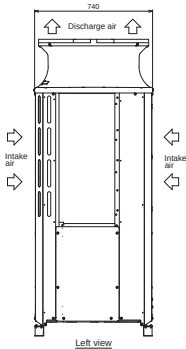
Front View



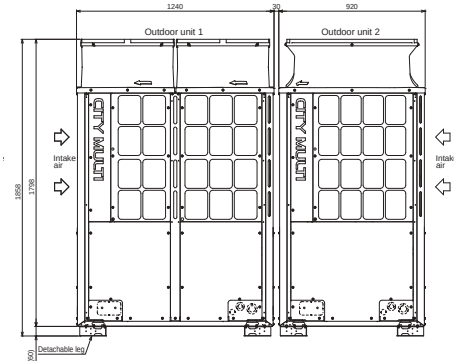
Product Dimensions

PUHY-P650YSNW-A1

Side View



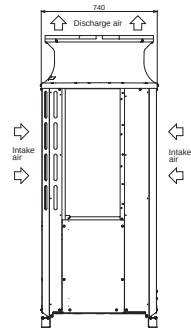
Front View



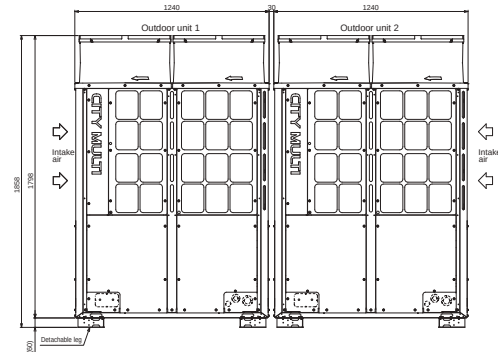
Product Dimensions

PUHY-P700/750/800/850YSNW-A1

Side View



Front View



Y Series VRF (101-124kW)

Heat Pump Outdoor Unit (Heating or Cooling)

The **PUHY-P** City Multi Y Series VRF Heat Pump system provides a simple and flexible solution where there is demand for one outdoor unit to provide all (or selected) indoor units with heating or cooling at a given time. These modular heat pump systems provide complete design flexibility for applications such as open-plan offices, call centres and retail spaces.

Key Features & Benefits

- Energy efficient heat pump system
- Delivers high levels of thermal and acoustic comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application
- Connectable to a broad choice of indoor unit types and capacities



OUTDOOR UNITS		PUHY-P900YSNW-A1	PUHY-P950YSNW-A1	PUHY-P1000YSNW-A1	PUHY-P1050YSNW-A1	PUHY-P1100YSNW-A1
CAPACITY (kW)	Heating (nominal)	113.0	119.5	127.0	132.0	140.0
	Cooling (nominal)	101.0	108.0	113.0	118.0	124.0
	High Performance Heating (UK)	101.7	107.6	114.3	118.8	126.0
	COP Priority Heating (UK)	97.2	102.8	109.2	113.5	120.4
	Cooling (UK)	90.4	96.7	101.1	105.6	111.0
POWER INPUT (kW)	Heating (nominal)	29.12	28.38	31.05	33.08	34.22
	Cooling (nominal)	30.42	30.00	33.13	36.41	36.79
	High Performance Heating (UK)	32.91	32.07	35.09	37.38	38.67
	COP Priority Heating (UK)	28.25	27.53	30.12	32.09	33.19
	Cooling (UK)	19.47	19.20	21.20	23.30	23.55
COP / EER (nominal)		3.88 / 3.32	4.21 / 3.60	4.09 / 3.41	3.99 / 3.24	4.09 / 3.37
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	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)	Heating / Cooling	72.5 / 68.5	68.0 / 66.0	69.5 / 68.0	70.5 / 68.5	70.0 / 68.5
SOUND POWER LEVEL (dBA)	Heating / Cooling	92.0 / 87.0	87.0 / 84.0	88.0 / 85.0	90.0 / 86.0	89.0 / 86.0
WEIGHT (kg)		293 + 293	213 + 277 + 277	213 + 277 + 277	213 + 277 + 277	277 + 277 + 277
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		46.7 / 48.7 [37.1 + 37.1]	45.5 / 48.1 [17.8 + 26.4 + 26.4]	49.7 / 53.1 [17.8 + 26.4 + 31.9]	53.0 / 58.3 [17.8 + 31.9 + 31.9]	54.8 / 59.0 [26.4 + 26.4 + 31.9]
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 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 + earth / 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)		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

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

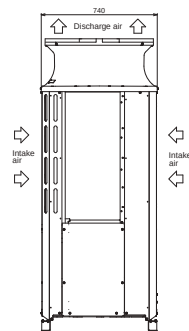
*1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.



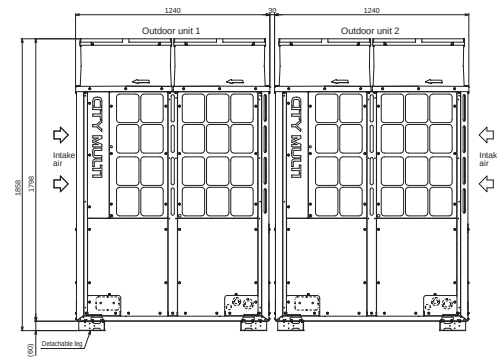
Product Dimensions

PUHY-P900YSNW-A1

Side View



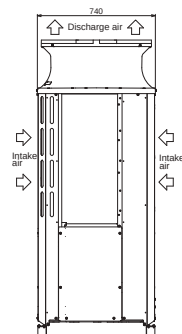
Front View



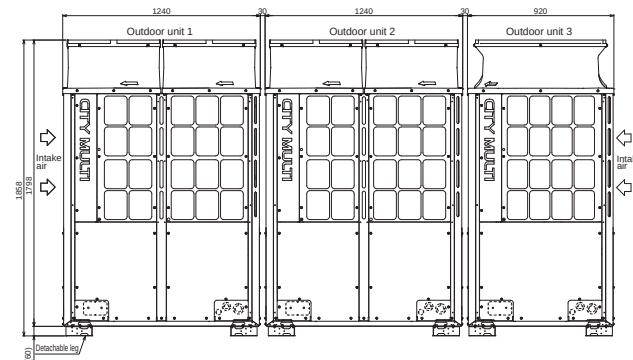
Product Dimensions

PUHY-P950/1000/1050YSNW-A1

Side View



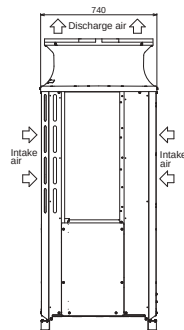
Front View



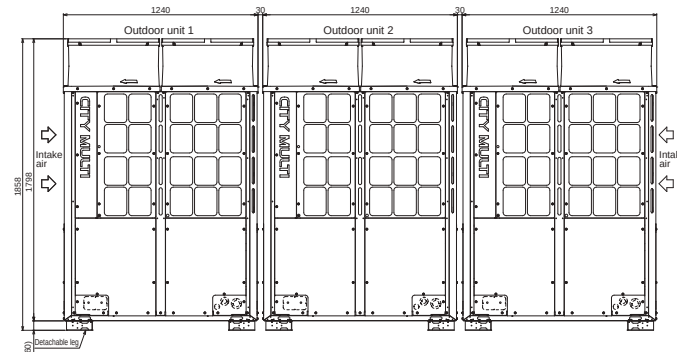
Product Dimensions

PUHY-P1100YSNW-A1

Side View



Front View



Y Series VRF (130-150kW)

Heat Pump Outdoor Unit (Heating or Cooling)

The **PUHY-P** City Multi Y Series VRF Heat Pump system provides a simple and flexible solution where there is demand for one outdoor unit to provide all (or selected) indoor units with heating or cooling at a given time. These modular heat pump systems provide complete design flexibility for applications such as open-plan offices, call centres and retail spaces.

Key Features & Benefits

- Energy efficient heat pump system
- Delivers high levels of thermal and acoustic comfort
- Unique 2-pipe system for ease of installation and maintenance
- Adjustable noise level options to suit application
- Connectable to a broad choice of indoor unit types and capacities

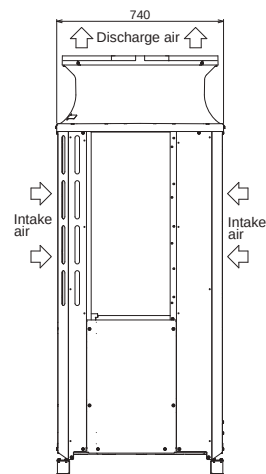


OUTDOOR UNITS		PUHY-P1150YSNW-A1	PUHY-P1200YSNW-A1	PUHY-P1250YSNW-A1	PUHY-P1300YSNW-A1	PUHY-P1350YSNW-A1
CAPACITY (kW)	Heating (nominal)	145.0	150.0	156.5	163.0	168.0
	Cooling (nominal)	130.0	136.0	140.0	146.0	150.0
	High Performance Heating (UK)	130.5	135.0	140.9	146.7	151.2
	COP Priority Heating (UK)	124.7	129.0	134.6	140.2	144.5
	Cooling (UK)	116.4	121.7	125.3	130.7	134.3
POWER INPUT (kW)	Heating (nominal)	36.25	38.36	40.12	41.90	43.29
	Cooling (nominal)	40.49	44.29	44.30	45.06	45.18
	High Performance Heating (UK)	40.96	43.35	45.34	47.35	48.92
	COP Priority Heating (UK)	35.16	37.21	38.92	40.64	41.99
	Cooling (UK)	25.91	28.35	28.35	28.84	28.92
COP / EER (nominal)		4.00 / 3.21	3.91 / 3.07	3.90 / 3.16	3.89 / 3.24	3.88 / 3.32
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
	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)	Heating / Cooling	71.0 / 69.0	72.0 / 70.0	73.0 / 70.0	73.5 / 70.0	74.5 / 70.5
SOUND POWER LEVEL (dBA)	Heating / Cooling	90.0 / 86.0	91.0 / 87.0	92.0 / 88.0	93.0 / 88.0	94.0 / 89.0
WEIGHT (kg)		277 + 277 + 277	277 + 277 + 277	277 + 277 + 293	277 + 293 + 293	293 + 293 + 293
DIMENSIONS (mm)	Width	1240 + 1240 + 1240	1240 + 1240 + 1240	1240 + 1240 + 1240	1240 + 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		58.1 / 64.9 [26.4 + 31.9 + 31.9]	61.5 / 71.0 [31.9 + 31.9 + 31.9]	64.3 / 71.0 [31.9 + 31.9 + 37.1]	67.1 / 72.2 [31.9 + 37.1 + 37.1]	69.4 / 72.4 [37.1 + 37.1 + 37.1]
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 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 + earth / 4 + earth / 4 + earth	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)		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

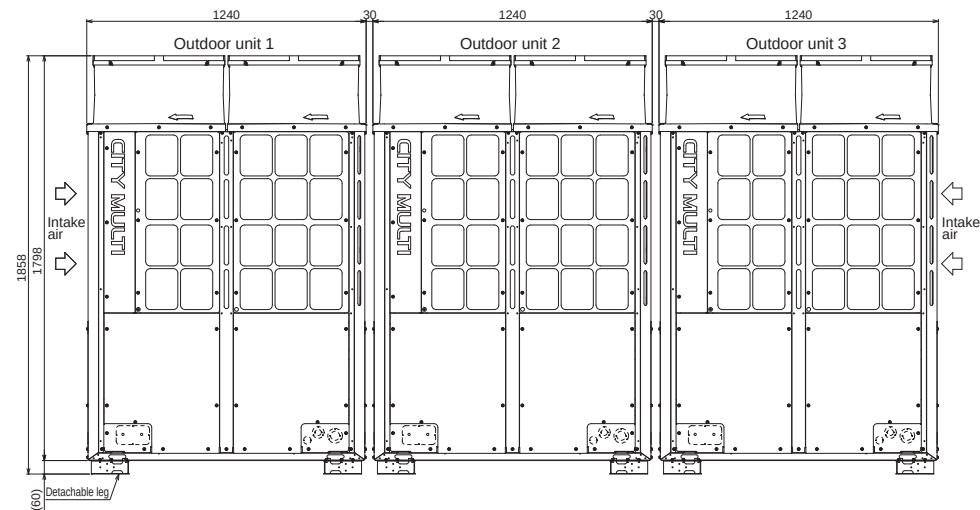
Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

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

Side View



Front View



Y Series Single Fan (12.5-15.5kW)

Mini VRF Heat Pump Outdoor Unit

VRF technology and efficiency can now be delivered in both small and large capacities, offering a cost-effective solution to connect up to 12 indoor units to one small, powerful, mini VRF unit. Delivering VRF efficiency, quality and functionality, with the additional flexibility of being free-standing or wall-hung, the **PUMY-SP** single fan side-blow unit makes the most of even the smallest plant spaces, making it ideal for high specification residential and retail applications in city centres.

Key Features & Benefits

- Small footprint, long pipe-runs and wall-hanging capability provides flexibility of install
- Broad compatibility across M Series, Mr Slim and City Multi indoor units, providing design choice (see page 1.4.7 for M Series/Mr Slim)
- Choice of operation mode: 'silent mode' for noise sensitive areas or 'demand control' for maximum efficiency
- Unique fan capability provides 30 Pascals of static pressure as standard, allowing extra sound attenuation or the ability to duct discharge air away from the unit
- Available in both single and three phase options

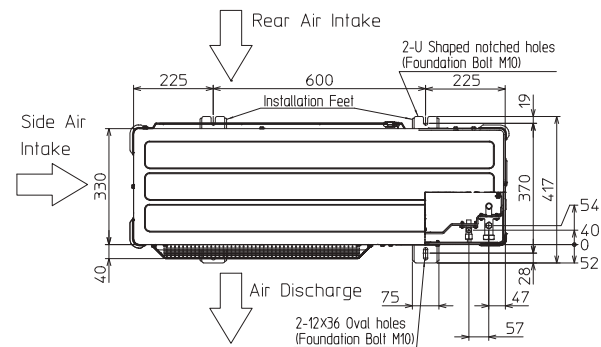


OUTDOOR UNITS		PUMY-SP112VKM	PUMY-SP112YKM ^③	PUMY-SP125VKM	PUMY-SP125YKM ^③	PUMY-SP140VKM	PUMY-SP140YKM ^③
CAPACITY (KW)	Heating (nominal)	14.0	14.0	16.0	16.0	16.5	16.5
	Cooling (nominal)	12.5	12.5	14.0	14.0	15.5	15.5
	Heating (UK)	13.9	13.9	15.8	15.8	16.3	16.3
	Cooling (UK)	10.0	10.0	11.2	11.2	12.4	12.4
POWER INPUT (KW)	Heating (nominal)	3.17	3.17	3.90	3.90	4.02	4.02
	Cooling (nominal)	3.10	3.10	3.84	3.84	4.70	4.70
	Heating (UK)	4.18	4.18	5.15	5.15	5.31	5.31
	Cooling (UK)	1.61	1.61	2.00	2.00	2.44	2.44
COP / EER (nominal)		4.42 / 4.03	4.42 / 4.03	4.10 / 3.65	4.10 / 3.65	4.10 / 3.30	4.10 / 3.30
MAX NO. OF CONNECTABLE INDOOR UNITS		9	9	10	10	12	12
MAX CONNECTABLE CAPACITY		50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity
AIRFLOW (m³/min)		77	77	83	83	83	83
PIPE SIZE MM (in)	Gas	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Liquid	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)		52	52	53	53	54	54
SOUND POWER LEVEL (dBA)		72	72	73	73	74	74
WEIGHT (kg)		93	94	93	94	93	94
DIMENSIONS (mm)	Width	1050	1050	1050	1050	1050	1050
	Depth	330+40	330+40	330+40	330+40	330+40	330+40
	Height	981	981	981	981	981	981
ELECTRICAL SUPPLY		220-240v, 50Hz	380-415v, 50Hz	220-240v, 50Hz	380-415v, 50Hz	220-240v, 50Hz	380-415v, 50Hz
PHASE		Single	Three	Single	Three	Single	Three
STARTING CURRENT (A)		14	7	14	7	14	7
NOMINAL SYSTEM RUNNING CURRENT (A) Heating / Cooling [MAX]		13.48 / 13.18 [30.5]	4.82 / 4.71 [13.0]	16.58 / 16.33 [30.5]	5.93 / 5.83 [13.0]	17.09 / 19.98 [30.5]	6.11 / 7.14 [13.0]
GUARANTEED OPERATING RANGE (°C) Heating / Cooling		-20~-15 / -5~-52	-20~-15 / -5~-52	-20~-15 / -5~-52	-20~-15 / -5~-52	-20~-15 / -5~-52	-20~-15 / -5~-52
FUSE RATING (BS88) - HRC (A)		1 x 32	1 x 16	1 x 32	1 x 16	1 x 32	1 x 16
MAINS CABLE NO. CORES		3	4 + earth	3	4 + earth	3	4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		3.5 / 7.31	3.5 / 7.31	3.5 / 7.31	3.5 / 7.31	3.5 / 7.31	3.5 / 7.31
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		9.0 / 18.79	9.0 / 18.79	9.0 / 18.79	9.0 / 18.79	9.0 / 18.79	9.0 / 18.79

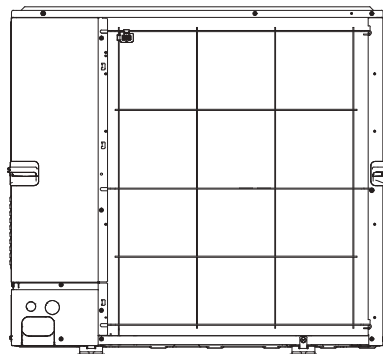
③ Three Phase available May 2018. Note: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

PIPING RESTRICTIONS	PUMY-SP112-140V(Y)KM
TOTAL PIPING LENGTH	120m max
FURTHEST PIPING LENGTH	70m max
FURTHEST PIPING LENGTH AFTER 1st BRANCH	50m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (30m max if outdoor installed below)
BETWEEN INDOOR AND INDOOR UNITS - HEIGHT	15m max

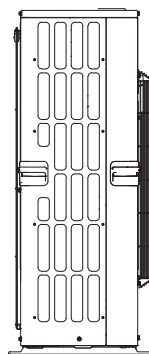
Upper View



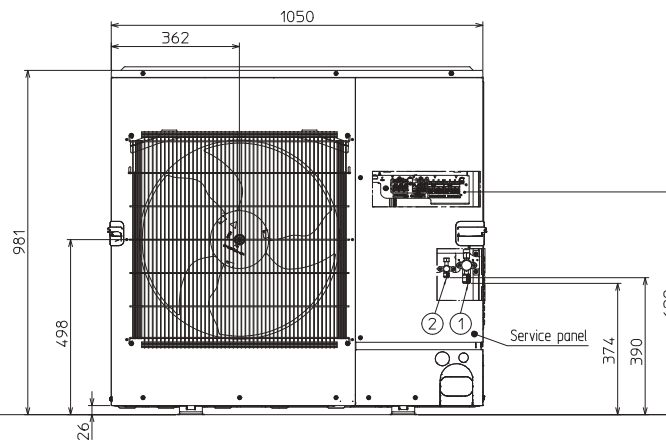
Rear View



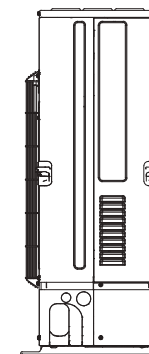
Left Side View



Front View



Right Side View



Y Series Twin Fan (12.5-33.5kW)

Mini VRF Heat Pump Outdoor Unit

VRF technology and efficiency can now be delivered in both small and large capacities, offering a cost-effective solution to connect up to 30 indoor units to one small, powerful, mini VRF unit. Delivering VRF efficiency, quality and functionality, with the additional flexibility of being free-standing or wall-hung, the **PUMY-P** side-blow unit makes the most of even the smallest plant spaces, making it ideal for high specification residential and retail applications in city centres.

Key Features & Benefits

- Small footprint, long pipe-runs and wall-hanging capability provides flexibility of install
- Broad compatibility across M Series, Mr Slim* and City Multi indoor units, providing design choice (see page 1.4.7 for M Series/Mr Slim)
- Choice of operation mode: 'silent mode' for noise sensitive areas or 'demand control' for maximum efficiency
- Unique fan capability provides 30 Pascals of static pressure as standard, allowing extra sound attenuation or the ability to duct discharge air away from the unit
- Available in both single and three phase options

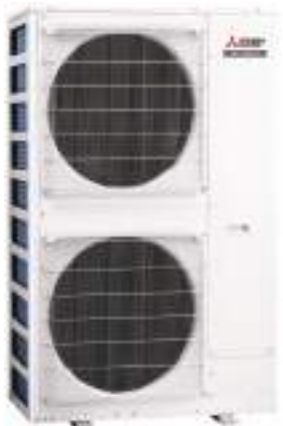
*Mr Slim units available for use with PUMY-P112-200 units only.



OUTDOOR UNITS		PUMY-P112VKM5	PUMY-P112YKM4 ^③	PUMY-P125VKM5	PUMY-P125YKM4 ^③	PUMY-P140VKM5	PUMY-P140YKM4 ^③	PUMY-P200YKM2 ^③	PUMY-P250YBM ^③	PUMY-P300YBM ^③
CAPACITY (KW)	Heating (nominal)	14.0	14.0	16.0	16.0	18.0	18.0	25.0	31.5	37.5
	Cooling (nominal)	12.5	12.5	14.0	14.0	15.5	15.5	22.4	28.0	33.5
	Heating (UK)	13.9	13.9	15.8	15.8	17.8	17.8	24.8	27.9	33.2
	Cooling (UK)	10.0	10.0	11.2	11.2	12.4	12.4	17.9	21.6	25.8
POWER INPUT (KW)	Heating (nominal)	3.04	3.04	3.74	3.74	4.47	4.47	5.84	7.41	9.12
	Cooling (nominal)	2.79	2.79	3.46	3.46	4.52	4.52	6.05	8.21	10.12
	Heating (UK)	4.01	4.01	4.94	4.94	5.90	5.90	7.71	9.80	12.00
	Cooling (UK)	1.56	1.56	1.94	1.94	2.53	2.53	3.39	3.90	4.90
COP / EER (nominal)		4.61 / 4.48	4.61 / 4.48	4.28 / 4.05	4.28 / 4.05	4.03 / 3.43	4.03 / 3.43	4.28 / 3.70	4.25 / 3.41	4.11 / 3.31
MAX NO. OF CONNECTABLE INDOOR UNITS		9	9	10	10	12	12	12	30	30
MAX CONNECTABLE CAPACITY		50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity
AIRFLOW (m³/min)		110	110	110	110	110	110	139	183	183
PIPE SIZE MM (in)	Gas	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	19.05 (3/4")	22.4 (7/8")	25.4 (1")
	Liquid	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8") ¹¹	9.52 (3/8")	12.7 (1/2")
SOUND PRESSURE LEVEL (dBA)		49	49	50	50	51	51	56	55	57
SOUND POWER LEVEL (dBA)		69	69	70	70	71	71	75	73	75
WEIGHT (kg)		122	125	122	125	122	125	141	196	196
DIMENSIONS (mm)	Width	1050	1050	1050	1050	1050	1050	1050	1050	1050
	Depth	330+40	330+40	330+40	330+40	330+40	330+40	330+40	460+45	460+45
	Height	1338	1338	1338	1338	1338	1338	1338	1662	1662
ELECTRICAL SUPPLY		220-240V, 50Hz	380-415V, 50Hz	220-240V, 50Hz	380-415V, 50Hz	220-240V, 50Hz	380-415V, 50Hz	380-415V, 50Hz	380-415V, 50Hz	380-415V, 50Hz
PHASE		Single	Three	Single	Three	Single	Three	Three	Three	Three
STARTING CURRENT (A)		14	7	14	7	14	7	7	7	7
NOMINAL SYSTEM RUNNING CURRENT (A) Heating / Cooling [MAX]		13.42 / 12.32 [29.5]	5.16 / 4.74 [13.0]	16.51 / 15.27 [29.5]	6.00 / 5.55 [13.0]	19.73 / 19.95 [29.5]	6.79 / 6.87 [13.0]	8.74 / 9.05 [19.0]	11.51 / 12.68 [28.4]	14.01 / 15.54 [31.74]
GUARANTEED OPERATING RANGE (°C) Heating / Cooling		-20~15 / -5~46	-20~15 / -5~46	-20~15 / -5~46	-20~15 / -5~46	-20~15 / -5~46	-20~15 / -5~46	-20~15 / -5~46	-20~15 / -5~52	-20~15 / -5~52
FUSE RATING (BS88) - HRC (A)		1 x 32	1 x 16	1 x 32	1 x 16	1 x 32	1 x 16	1 x 20	1 x 32	1 x 32
MAINS CABLE NO. CORES		3	4 + earth	3	4 + earth	3	4 + earth	4 + earth	4 + earth	4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		4.8 / 10.0	4.8 / 10.0	4.8 / 10.0	4.8 / 10.0	4.8 / 10.0	4.8 / 10.0	7.3 / 15.2	9.3 / 19.4	9.3 / 19.4
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		13.7 / 28.6	13.7 / 28.6	13.7 / 28.6	13.7 / 28.6	13.7 / 28.6	13.7 / 28.6	13.5 / 28.2	22.4 / 46.8	22.4 / 46.8

③ Three Phase Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard. ¹¹ 12.7mm (1/2") if furthest length ≥ 60m.

PIPING RESTRICTIONS	PUMY-P112-140VKM/YKM4	PUMY-P200YKM2	PUMY-P250-300YBM
TOTAL PIPING LENGTH	300m max	150m max	310m max
FURTHEST PIPING LENGTH	150m max	80m max	150m max
FURTHEST PIPING LENGTH AFTER 1st BRANCH	30m max	30m max	30m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (40m max if outdoor installed below)	50m max (40m max if outdoor installed below)	50m max (40m max if outdoor installed below)
BETWEEN INDOOR AND INDOOR UNITS - HEIGHT	15m max	15m max	15m max



Product Dimensions

PUMY-P112/125/140/200VKM5/YKM(4)(2)

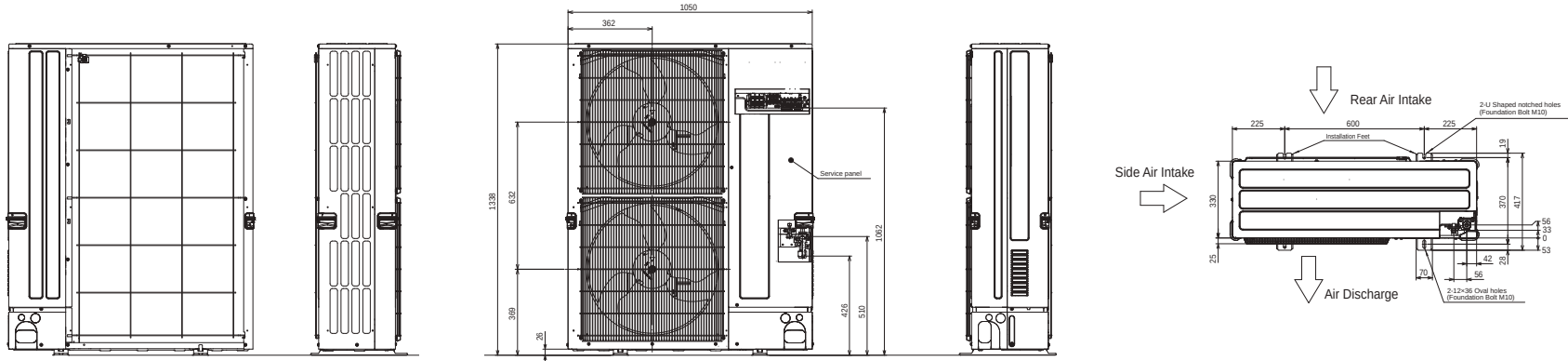
Rear View

Left Side View

Front View

Right Side View

Upper View



Product Dimensions

PUMY-P250/300YBM

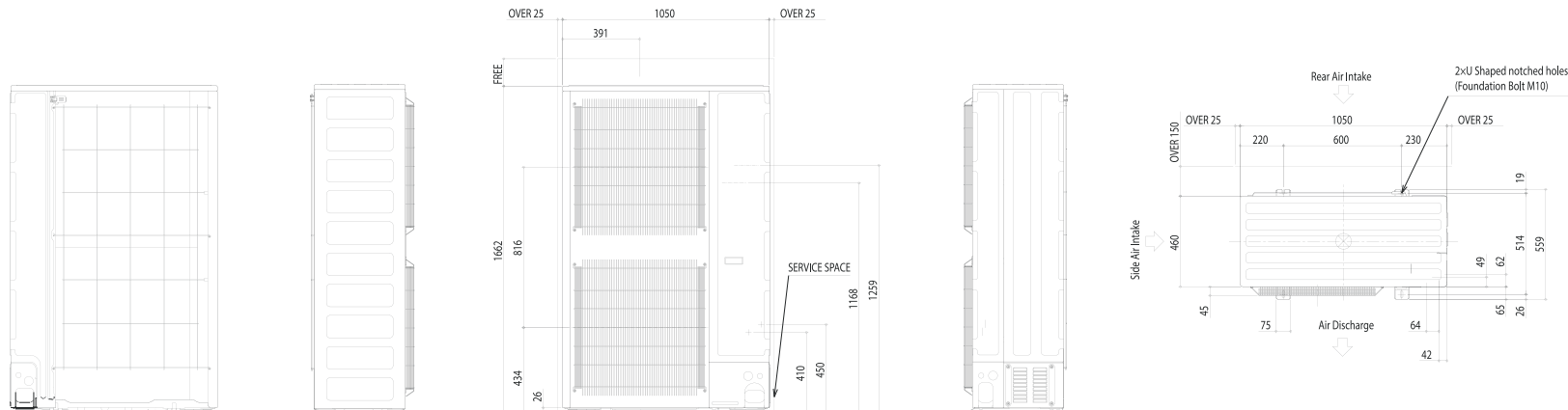
Rear View

Left Side View

Front View

Right Side View

Upper View



1.5.45

Air Conditioning

CITY MULTI

Y Series - Twin Fan (12.5-33.5kW)
Mini VRF Heat Pump Outdoor Unit

WR2 Series (22.4-56kW)

Simultaneous Heating and Cooling with Double Heat Recovery, Water Cooled Condensing Unit

The City Multi **WR2** Series Heat Recovery VRF system is ideal where a water loop is available and outdoor space is limited. These models utilise water, instead of air, as the energy transfer medium, and benefit from all of the same technology and flexibility as air sourced VRF systems. City Multi WR2 systems provide the ultimate solution for a breadth of applications requiring simultaneous heating and cooling, including hotels, offices, leisure, retail and high end residential.

Key Features & Benefits

- High efficiency modular systems, with ability to recover energy on the refrigerant circuit and between units on the water circuit, in either a closed or open loop building, or ground source application
- Able to utilise waste heat from commercial sources, such as server cooling, or renewable heat from landlord loops, rivers, lakes or geothermal sources
- Very low impact footprint and service space requirements, ideal for internal location
- Provides continuous heating in winter, without the need for defrost operation



CONDENSING UNITS		PQRY-P200YLM-A1	PQRY-P250YLM-A1	PQRY-P300YLM-A1	PQRY-P350YLM-A1	PQRY-P400YLM-A1	PQRY-P400YSLM-A1	PQRY-P450YLM-A1	PQRY-P450YSLM-A1	PQRY-P500YLM-A1	PQRY-P500YSLM-A1
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5	45.0	50.0	50.0	56.0	56.0	63.0	63.0
	Cooling (nominal)	22.4	28.0	33.5	40.0	45.0	45.0	50.0	50.0	56.0	56.0
POWER INPUT (kW)	Heating (nominal)	3.97	5.08	6.25	7.53	8.37	7.94	9.79	6.24	11.43	10.16
	Cooling (nominal)	3.71	4.90	6.04	7.14	8.03	7.70	9.29	5.69	11.17	10.12
OPERATING WATER VOLUME (m³/h)		3.0 ~ 7.2	3.0 ~ 7.2	3.0 ~ 7.2	4.5 ~ 11.6	4.5 ~ 11.6	3.0+3.0~7.2+7.2	4.5 ~ 11.6	3.0+3.0~7.2+7.2	4.5 ~ 11.6	3.0+3.0~7.2+7.2
GUARANTEED OPERATING RANGE (°C) Heating / Cooling		-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45
COP / EER (nominal)		6.29 / 6.03	6.20 / 5.71	6.25 / 5.54	5.97 / 5.60	5.97 / 5.60	6.29 / 5.84	5.72 / 5.38	6.24 / 5.69	5.51 / 5.01	6.20 / 5.53
MAX NO. OF CONNECTABLE INDOOR UNITS		20	25	30	35	40	40	45	45	50	50
MAX CONNECTABLE CAPACITY		50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%
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")	28.58 (1 1/8")	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")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")
SOUND PRESSURE LEVEL (dBA)		46	48	54	52	52	49	54	50	54	51
SOUND POWER LEVEL (dBA)		60	62	68	66	66	63	70	64	70.5	65
WEIGHT (kg)		172	172	172	216	216	172 + 172	216	172 + 172	216	172 + 172
DIMENSIONS (mm)	Width	880	880	880	880	880	880 + 880	880	880 + 880	880	880 + 880
	Depth	550	550	550	550	550	550	550	550	550	550
	Height	1100	1100	1100	1450	1450	1100	1450	1100	1450	1100
ELECTRICAL SUPPLY*1		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	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	Three	Three	Three	Three
STARTING CURRENT (A)		8	8	8	8	8	8 / 8	8	8 / 8	8	8 / 8
NOMINAL SYSTEM RUNNING CURRENT (A)*1 Heating / Cooling [MAX]		6.1 / 5.7 [16.1]	7.8 / 7.5 [16.1]	9.6 / 9.3 [18.6]	11.6 / 11.0 [23.1]	12.9 / 12.4 [27.6]	122/119[161+161]	15.1 / 14.3 [32.9]	138/135[161+161]	17.6 / 17.2 [39.2]	157/156[161+161]
FUSE RATING (BS88) - HRC (A)*1		1 x 20	1 x 20	1 x 20	1 x 25	1 x 32	1 x 20 / 1 x 20	1 x 40	1 x 20 / 1 x 20	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	4 + earth	4 + earth	4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		5.0 / 10.4	5.0 / 10.4	5.0 / 10.4	6.0 / 12.5	6.0 / 12.5	10.0 / 20.9	6.0 / 12.5	10.0 / 20.9	6.0 / 12.5	10.0 / 20.9
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		27.0 / 56.4	32.0 / 66.8	33.0 / 68.9	52.0 / 108.6	52.0 / 108.6	52.0 / 108.6	53.0 / 110.7	53.0 / 110.7	55.0 / 114.8	55.0 / 114.8

Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard. *1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules. These products are made to order, please consult your local sales office for delivery schedule. PQRY-P200/250/300 are stock items.

PIPING RESTRICTIONS	PQRY-P200-500Y(S)LM-A1
TOTAL PIPING LENGTH	550m max*3 (300m) for sizes 200-300 / 750m max*3 (500m) for sizes 350-500
FURTHEST PIPING LENGTH	165m max
BETWEEN CONDENSING UNIT AND BC CONTROLLER (MASTER) - LENGTH	110m max*4
BETWEEN INDOOR AND BC CONTROLLER (MASTER/SLAVE) - LENGTH	60m max*5 (40m)
BETWEEN INDOOR AND CONDENSING UNIT - HEIGHT	50m max (40m*1)
BETWEEN INDOOR AND INDOOR - HEIGHT	30m max (20m*2)
BETWEEN INDOOR AND BC CONTROLLER (MASTER/SLAVE) - HEIGHT	15m max (10m*2)
BETWEEN BC CONTROLLER (MASTER) AND BC CONTROLLER (SLAVE) - HEIGHT	15m max (10m*6)

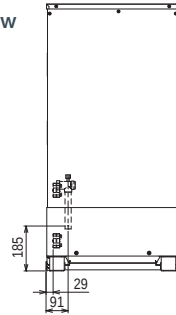
Notes: *1 When condensing unit is below indoor. *2 In case of P200, P250 indoor unit. *3 Distance between condensing unit and BC Controller is 10m or less. *4 Total piping length is 300m or less (500m for sizes 350-500). *5 Height difference between the Master BC Controller and furthest indoor unit is 0m and no size P200 or P250 indoor unit is used. *6 When using multiple sub BC Controllers, the height between them should be considered.



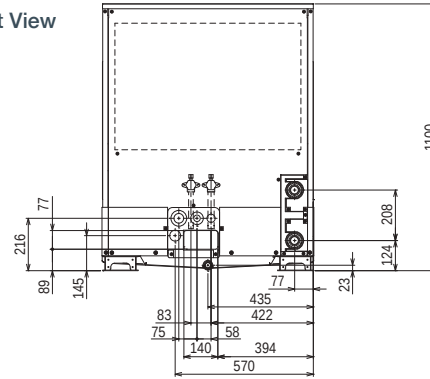
Product Dimensions

PQRY-P200/250/300YLM-A1

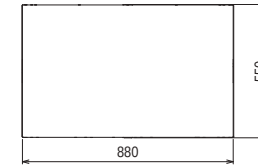
Side View



Front View



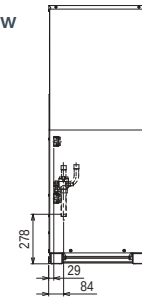
Upper View



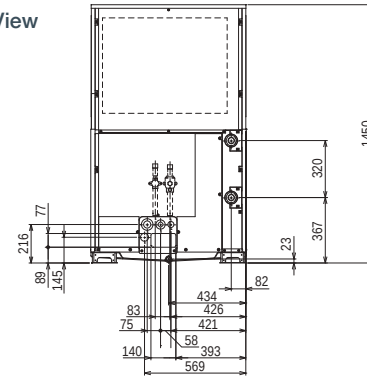
Product Dimensions

PQRY-P350/400/450/500YLM-A1

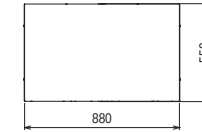
Side View



Front View



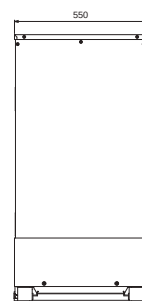
Upper View



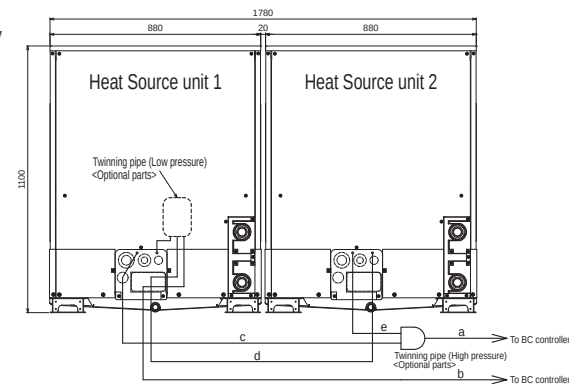
Product Dimensions

PQRY-P400/450/500YSLM-A1

Side View



Front View



WR2 Series (63-101kW)

Simultaneous Heating and Cooling with Double Heat Recovery, Water Cooled Condensing Unit

The City Multi **WR2** Series Heat Recovery VRF system is ideal where a water loop is available and outdoor space is limited. These models utilise water, instead of air, as the energy transfer medium, and benefit from all of the same technology and flexibility as air sourced VRF systems. City Multi WR2 systems provide the ultimate solution for a breadth of applications requiring simultaneous heating and cooling, including hotels, offices, leisure, retail and high end residential.

Key Features & Benefits

- High efficiency modular systems, with ability to recover energy on the refrigerant circuit and between units on the water circuit, in either a closed or open loop building, or ground source application
- Able to utilise waste heat from commercial sources, such as server cooling, or renewable heat from landlord loops, rivers, lakes or geothermal sources
- Very low impact footprint and service space requirements, ideal for internal location
- Provides continuous heating in winter, without the need for defrost operation



CONDENSING UNITS		PQRY-P550YLM-A1	PQRY-P550YSLM-A1	PQRY-P600YLM-A1	PQRY-P600YSLM-A1	PQRY-P700YSLM-A1	PQRY-P750YSLM-A1	PQRY-P800YSLM-A1	PQRY-P850YSLM-A1	PQRY-P900YSLM-A1
CAPACITY (kW)	Heating (nominal)	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
	Cooling (nominal)	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
POWER INPUT (kW)	Heating (nominal)	12.27	11.31	14.51	12.75	14.73	15.90	16.75	18.49	19.74
	Cooling (nominal)	12.54	11.55	14.49	12.84	14.73	15.64	16.57	18.03	19.38
OPERATING WATER VOLUME (m³/h)		6.0 ~ 14.4	3.0 + 3.0 ~ 7.2 + 7.2	6.0 ~ 14.4	3.0 + 3.0 ~ 7.2 + 7.2	4.5 + 4.5 ~ 11.6 + 11.6	4.5 + 4.5 ~ 11.6 + 11.6	4.5 + 4.5 ~ 11.6 + 11.6	4.5 + 4.5 ~ 11.6 + 11.6	4.5 + 4.5 ~ 11.6 + 11.6
GUARANTEED OPERATING RANGE (°C) Heating / Cooling		-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45
COP / EER (nominal)		5.62 / 5.02	6.10 / 5.45	5.27 / 4.76	6.00 / 5.37	5.97 / 5.43	5.97 / 5.43	5.97 / 5.43	5.84 / 5.32	5.72 / 5.21
MAX NO. OF CONNECTABLE INDOOR UNITS		50	50	50	50	50	50	50	50	50
MAX CONNECTABLE CAPACITY		50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%
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")	34.93 (1 3/8")	34.93 (1 3/8")	41.28 (1 5/8")	41.28 (1 5/8")
	Liquid	22.2 (7/8")**	22.2 (7/8")**	22.2 (7/8")**	22.2 (7/8")**	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")
SOUND PRESSURE LEVEL (dBA)		56.5	55	56.5	57	55	55	55	56	57
SOUND POWER LEVEL (dBA)		71.5	69	73	71	69	69	69	71.5	73
WEIGHT (kg)		246	172 + 172	246	172 + 172	216 + 216	216 + 216	216 + 216	216 + 216	216 + 216
DIMENSIONS (mm)	Width	880	880 + 880	880	880 + 880	880 + 880	880 + 880	880 + 880	880 + 880	880 + 880
	Depth	550	550	550	550	550	550	550	550	550
	Height	1450	1100	1450	1100	1450	1450	1450	1450	1450
ELECTRICAL SUPPLY*1		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	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	Three	Three	Three
STARTING CURRENT (A)		8	8 / 8	8	8 / 8	8 / 8	8 / 8	8 / 8	8 / 8	8 / 8
NOMINAL SYSTEM RUNNING CURRENT (A)*1 Heating / Cooling [MAX]		18.9 / 19.3 [40.5]	17.4/17.8 [18.6+16.1]	22.4 / 22.3 [40.5]	19.7/19.8 [18.6+18.6]	22.7/22.7 [23.1+23.1]	24.5/24.1 [27.6+23.1]	25.8/25.6 [27.6+27.6]	28.5/27.8 [32.9+27.6]	30.5/29.9 [32.9+32.9]
FUSE RATING (BS88) - HRC (A)*1		1 x 50	1 x 20 / 1 x 20	1 x 50	1 x 20 / 1 x 20	1 x 25 / 1 x 25	1 x 32 / 1 x 25	1 x 32 / 1 x 32	1 x 40 / 1 x 32	1 x 40 / 1 x 40
MAINS CABLE No. Cores*1		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)		11.7 / 24.4	10.0 / 20.9	11.7 / 24.4	10.0 / 20.9	12.0 / 25.1	12.0 / 25.1	12.0 / 25.1	12.0 / 25.1	12.0 / 25.1
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		57.0 / 119.0	61.5 / 128.4	58.0 / 121.1	64.5 / 134.7	72.0 / 150.3	74.0 / 154.5	74.0 / 154.5	76.0 / 158.7	76.0 / 158.7

Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard. *1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules. These products are made to order, please consult your local sales office for delivery schedule.

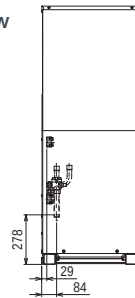
PIPING RESTRICTIONS	PQRY-P550-900Y(S)LM-A1
TOTAL PIPING LENGTH	750m max*2 (500m)
FURTHEST PIPING LENGTH	165m max
BETWEEN CONDENSING UNIT AND BC CONTROLLER (MASTER) - LENGTH	110m max*3
BETWEEN INDOOR AND BC CONTROLLER (MASTER/SLAVE) - LENGTH	60m max*4 (40m)
BETWEEN INDOOR AND CONDENSING UNIT - HEIGHT	50m max (40m*1)
BETWEEN INDOOR AND INDOOR - HEIGHT	30m max
BETWEEN INDOOR AND BC CONTROLLER (MASTER/SLAVE) - HEIGHT	15m max
BETWEEN BC CONTROLLER (MASTER) AND BC CONTROLLER (SLAVE) - HEIGHT	15m max (10m*5)

Notes: *1 When condensing unit is below indoor. *2 In case of P200, P250 indoor unit. *3 Distance between condensing unit and BC Controller is 10m or less. *4 Total piping length is 300m or less (500m for sizes 350-500). *5 Height difference between the Master BC Controller and furthest indoor unit is 0m and no size P200 or P250 indoor unit is used. *6 When using multiple sub BC Controllers, the height between them should be considered.

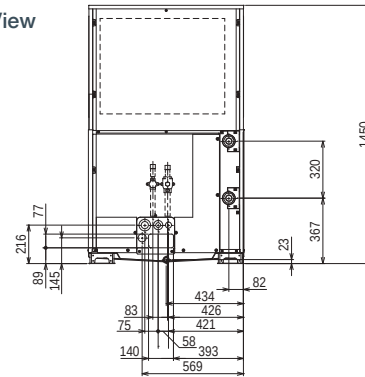
Product Dimensions

PQRY-P550/600YLM-A1

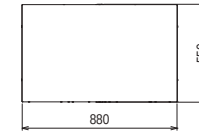
Side View



Front View



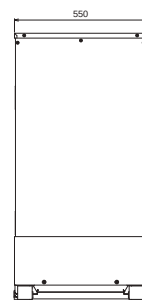
Upper View



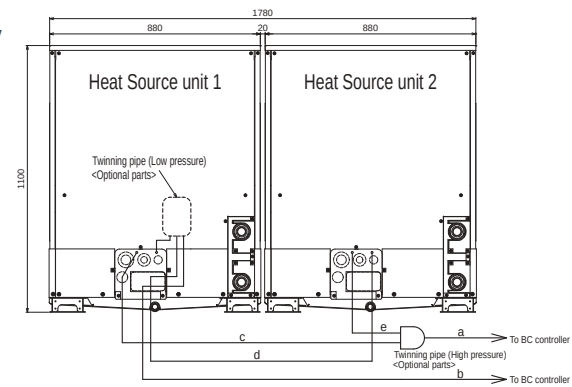
Product Dimensions

PQRY-P550/600YSLM-A1

Side View



Front View



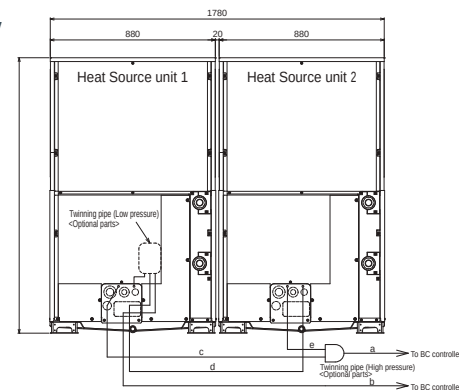
Product Dimensions

PQRY-P700/750/800/850/900YSLM-A1

Side View



Front View



WY Series (22.4-56kW)

Heat Pump, Water Cooled Condensing Unit

The City Multi **WY** Series Heat Pump VRF system is ideal where a water loop is available and outdoor space is limited. These models utilise water, instead of air, as the energy transfer medium, and benefit from all of the same technology and flexibility as air sourced VRF systems. City Multi WY systems provide the ultimate solution for a breadth of applications requiring heating or cooling at a given time, such as open-plan spaces in offices, call centres and leisure facilities.

Key Features & Benefits

- High efficiency modular systems, with ability to recover energy between units on the water circuit, in either a closed or open loop building, or ground source application
- Benefits from a wide indoor unit range and advanced control options
- Very low impact footprint and service space requirements, ideal for internal location
- Provides continuous heating in winter, without the need for defrost operation



CONDENSING UNITS		PQHY-P200YLM-A1	PQHY-P250YLM-A1	PQHY-P300YLM-A1	PQHY-P350YLM-A1	PQHY-P400YLM-A1	PQHY-P400YSLM-A1	PQHY-P450YLM-A1	PQHY-P450YSLM-A1	PQHY-P500YLM-A1	PQHY-P500YSLM-A1
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5	45.0	50.0	50.0	56.0	56.0	63.0	63.0
	Cooling (nominal)	22.4	28.0	33.5	40.0	45.0	45.0	50.0	50.0	56.0	56.0
POWER INPUT (kW)	Heating (nominal)	3.97	5.08	6.25	7.53	8.37	7.94	9.79	6.24	11.43	10.16
	Cooling (nominal)	3.71	4.90	6.04	7.14	8.03	7.70	9.29	5.69	11.17	10.12
OPERATING WATER VOLUME (m³/h)		3.0 ~ 7.2	3.0 ~ 7.2	3.0 ~ 7.2	4.5 ~ 11.6	4.5 ~ 11.6	3.0+3.0~7.2+7.2	4.5 ~ 11.6	3.0+3.0~7.2+7.2	4.5 ~ 11.6	3.0+3.0~7.2+7.2
GUARANTEED OPERATING RANGE (°C) Heating / Cooling		-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45
COP / EER (nominal)		6.29 / 6.03	6.20 / 5.71	6.25 / 5.54	5.97 / 5.60	5.97 / 5.60	6.29 / 5.84	5.72 / 5.38	6.24 / 5.69	5.51 / 5.01	6.20 / 5.53
MAX NO. OF CONNECTABLE INDOOR UNITS		17	21	26	30	34	36	39	39	43	43
MAX CONNECTABLE CAPACITY		50 ~ 130%	50 ~ 130%	50 ~ 130%	50 ~ 130%	50 ~ 130%	50 ~ 130%	50 ~ 130%	50 ~ 130%	50 ~ 130%	50 ~ 130%
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")	28.58 (1 1/8")	28.58 (1 1/8")	28.58 (1 1/8")	28.58 (1 1/8")
	Liquid	9.52 (3/8")	9.52 (3/8")**	9.52 (3/8")**	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
SOUND PRESSURE LEVEL (dBA)		46	48	54	52	52	49	54	50	54	51
SOUND POWER LEVEL (dBA)		60	62	68	66	66	63	70	64	70.5	65
WEIGHT (kg)		174	174	174	217	217	174 + 174	217	174 + 174	217	174 + 174
DIMENSIONS (mm)	Width	880	880	880	880	880	880 + 880	880	880 + 880	880	880 + 880
	Depth	550	550	550	550	550	550	550	550	550	550
	Height	1100	1100	1100	1450	1450	1100	1450	1100	1450	1100
ELECTRICAL SUPPLY*2		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	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	Three	Three	Three	Three
STARTING CURRENT (A)		8	8	8	8	8	8 / 8	8	8 / 8	8	8 / 8
NOMINAL SYSTEM RUNNING CURRENT (A)*2 Heating / Cooling [MAX]		6.1 / 5.7 [16.1]	7.8 / 7.5 [16.1]	9.6 / 9.3 [18.6]	11.6 / 11.0 [23.1]	12.9 / 12.4 [27.6]	12.2 / 11.9 [16.1 + 16.1]	15.1 / 14.3 [32.9]	13.8 / 13.5 [16.1 + 16.1]	17.6 / 17.2 [39.2]	15.7 / 15.6 [16.1 + 16.1]
FUSE RATING (BS88) - HRC (A)*2		1 x 20	1 x 20	1 x 20	1 x 25	1 x 32	1 x 20 / 1 x 20	1 x 40	1 x 20 / 1 x 20	1 x 40	1 x 20 / 1 x 20
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
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		5.0 / 10.4	5.0 / 10.4	5.0 / 10.4	6.0 / 12.5	6.0 / 12.5	10.0 / 20.9	6.0 / 12.5	10.0 / 20.9	6.0 / 12.5	10.0 / 20.9
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		21.0 / 43.8	28.0 / 58.5	29.5 / 61.6	41.5 / 86.7	50.0 / 104.4	50.0 / 104.4	51.5 / 107.5	51.5 / 107.5	53.5 / 111.7	53.5 / 111.7

Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard. *1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules. These products are made to order, please consult your local sales office for delivery schedule.

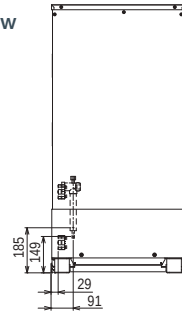
PIPING RESTRICTIONS	PQHY-P200-500Y(S)LM-A1
TOTAL PIPING LENGTH	300m max for sizes 200-300 / 500m for sizes 350-900
FURTHEST PIPING LENGTH	165m max
FURTHEST PIPING LENGTH AFTER 1ST BRANCH	40m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (40m max if outdoor installed below)
BETWEEN INDOOR AND INDOOR UNITS - HEIGHT	15m max



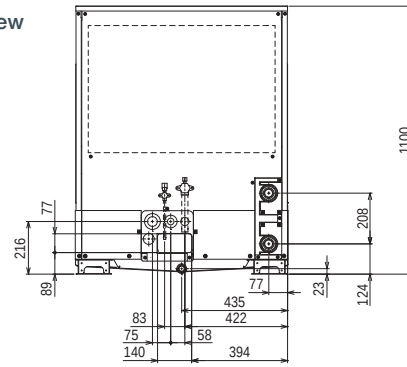
Product Dimensions

PQHY-P200/250/300YLM-A1

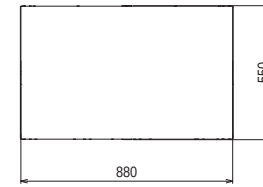
Side View



Front View



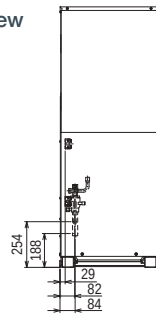
Upper View



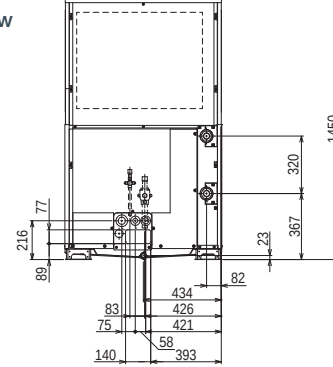
Product Dimensions

PQHY-P350/400/450/500YLM-A1

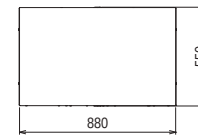
Side View



Front View



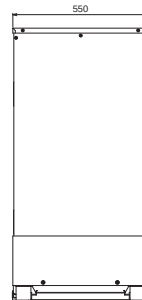
Upper View



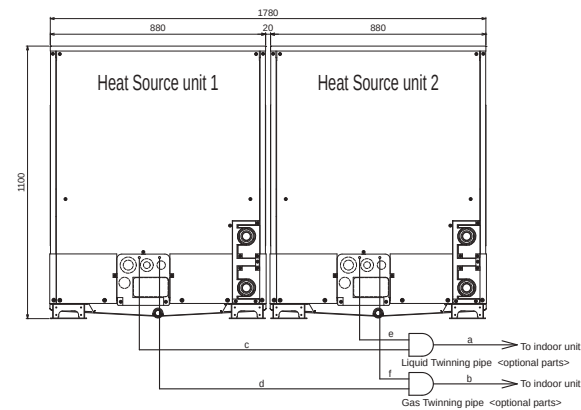
Product Dimensions

PQHY-P400/450/500YSLM-A1

Side View



Front View



WY Series (63-101kW)

Heat Pump, Water Cooled Condensing Unit



The City Multi **WY** Series Heat Pump VRF system is ideal where a water loop is available and outdoor space is limited. These models utilise water, instead of air, as the energy transfer medium, and benefit from all of the same technology and flexibility as air sourced VRF systems. City Multi WY systems provide the ultimate solution for a breadth of applications requiring heating or cooling at a given time, such as open-plan spaces in offices, call centres and leisure facilities.

Key Features & Benefits

- High efficiency modular systems, with ability to recover energy between units on the water circuit, in either a closed or open loop building, or ground source application
- Benefits from a wide indoor unit range and advanced control options
- Very low impact footprint and service space requirements, ideal for internal location
- Provides continuous heating in winter, without the need for defrost operation



CONDENSING UNITS		PQHY-P550YLM-A1	PQHY-P550YSLM-A1	PQHY-P600YLM-A1	PQHY-P600YSLM-A1	PQHY-P700YSLM-A1	PQHY-P750YSLM-A1	PQHY-P800YSLM-A1	PQHY-P850YSLM-A1	PQHY-P900YSLM-A1
CAPACITY (kW)	Heating (nominal)	69.0	69.0	76.5	76.5	88.0	95.0	100.0	108.0	113.0
	Cooling (nominal)	63.0	63.0	69.0	69.0	80.0	85.0	90.0	96.0	101.0
POWER INPUT (kW)	Heating (nominal)	12.27	11.31	14.51	12.75	14.73	15.90	16.75	18.49	19.74
	Cooling (nominal)	12.54	11.55	14.49	12.84	14.73	15.64	16.57	18.03	19.38
OPERATING WATER VOLUME (m³/h)		6.0 ~ 14.4	3.0 + 3.0 ~ 7.2 + 7.2	6.0 ~ 14.4	3.0 + 3.0 ~ 7.2 + 7.2	4.5 + 4.5 ~ 11.6 + 11.6	4.5 + 4.5 ~ 11.6 + 11.6	4.5 + 4.5 ~ 11.6 + 11.6	4.5 + 4.5 ~ 11.6 + 11.6	4.5 + 4.5 ~ 11.6 + 11.6
GUARANTEED OPERATING RANGE (°C) Heating / Cooling		-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45
COP / EER (nominal)		5.62 / 5.02	6.10 / 5.45	5.27 / 4.76	6.00 / 5.37	5.97 / 5.43	5.97 / 5.43	5.97 / 5.43	5.84 / 5.32	5.72 / 5.21
MAX NO. OF CONNECTABLE INDOOR UNITS		47	47	50	50	50	50	50	50	50
MAX CONNECTABLE CAPACITY		50 ~ 130%	50 ~ 130%	50 ~ 130%	50 ~ 130%	50 ~ 130%	50 ~ 130%	50 ~ 130%	50 ~ 130%	50 ~ 130%
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")	34.93 (1 3/8")	34.93 (1 3/8")	34.93 (1 3/8")	41.28 (1 5/8")	41.28 (1 5/8")
	Liquid	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")
SOUND PRESSURE LEVEL (dBA)		56.5	55	56.5	57	55	55	55	56	57
SOUND POWER LEVEL (dBA)		71.5	69	73	71	69	69	69	71.5	73
WEIGHT (kg)		246	174 + 174	246	174 + 174	217 + 217	217 + 217	217 + 217	217 + 217	217 + 217
DIMENSIONS (mm)	Width	880	880 + 880	880	880 + 880	880 + 880	880 + 880	880 + 880	880 + 880	880 + 880
	Depth	550	550	550	550	550	550	550	550	550
	Height	1450	1100	1450	1100	1450	1450	1450	1450	1450
ELECTRICAL SUPPLY*1		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	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	Three	Three	Three
STARTING CURRENT (A)		8	8 / 8	8	8 / 8	8 / 8	8 / 8	8 / 8	8 / 8	8 / 8
NOMINAL SYSTEM RUNNING CURRENT (A)*1 Heating / Cooling [MAX]		18.9 / 19.3 [40.5]	17.4 / 17.8 [18.6 + 16.1]	22.4 / 22.3 [40.5]	19.7 / 19.8 [18.6 + 18.6]	22.7 / 22.7 [23.1 + 23.1]	24.5 / 24.1 [27.6 + 23.1]	25.8 / 25.6 [27.6 + 27.6]	28.5 / 27.8 [32.9 + 27.6]	30.5 / 29.9 [32.9 + 32.9]
FUSE RATING (BS88) - HRC (A)*1		1 x 50	1 x 20 / 1 x 20	1 x 50	1 x 20 / 1 x 20	1 x 25 / 1 x 25	1 x 32 / 1 x 25	1 x 32 / 1 x 32	1 x 40 / 1 x 32	1 x 40 / 1 x 40
MAINS CABLE No. Cores*1		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)		11.7 / 24.4	10.0 / 20.9	11.7 / 24.4	10.0 / 20.9	12.0 / 25.1	12.0 / 25.1	12.0 / 25.1	12.0 / 25.1	12.0 / 25.1
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		55.5 / 115.9	54.5 / 113.8	57.0 / 119.0	55.5 / 115.9	65.5 / 136.8	67.5 / 140.9	67.5 / 140.9	70.0 / 146.2	70.0 / 146.2

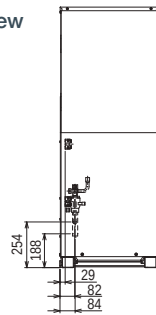
Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard. *1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules. These products are made to order, please consult your local sales office for delivery schedule.

PIPING RESTRICTIONS	PQHY-P550-900Y(S)LM-A1
TOTAL PIPING LENGTH	500m max
FURTHEST PIPING LENGTH	165m max
FURTHEST PIPING LENGTH AFTER 1ST BRANCH	40m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (40m max if outdoor installed below)
BETWEEN INDOOR AND INDOOR UNITS - HEIGHT	15m max

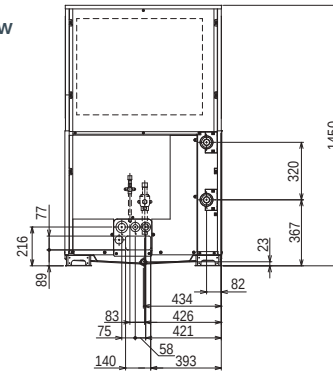
Product Dimensions

PQHY-P550/600YLM-A1

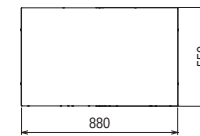
Side View



Front View



Upper View



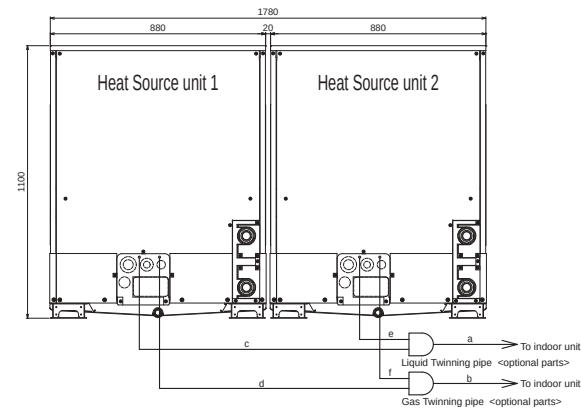
Product Dimensions

PQHY-P550/600YSLM-A1

Side View



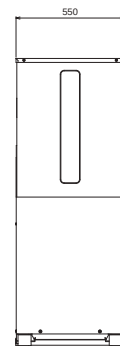
Front View



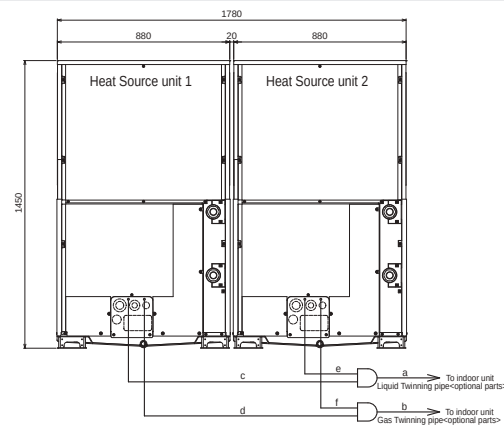
Product Dimensions

PQHY-P700/750/800/850/900YSLM-A1

Side View



Front View



PEFY-P-VMS1-E

Ultra Thin Ceiling Concealed Ducted Indoor Unit

The **PEFY-P-VMS1-E** ceiling concealed ducted indoor unit has been designed with an ultra thin, slimline body, specifically for applications where ceiling void space is limited. With an extremely quiet operation, these units are ideal for applications such as hotel rooms.

Key Features & Benefits

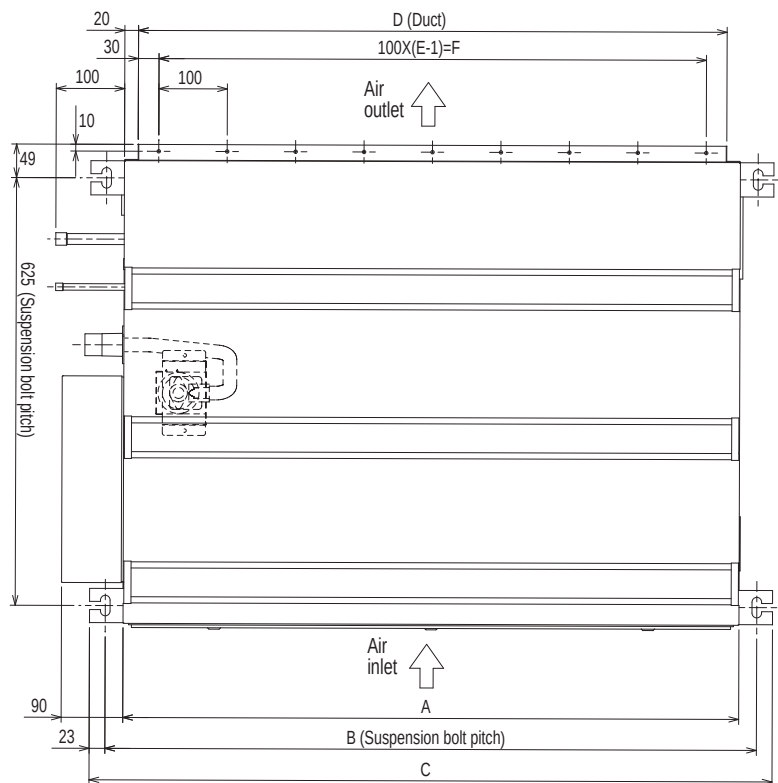
- Ultra thin body allowing installation in smaller spaces - height of only 200mm & width of only 790mm (size P15-32)
- Extremely quiet operation for minimal disturbance - as low as 22dBA (size P15-20)
- External static pressure of 5-50Pa, allowing flexibility of design and application
- Available in a 1.5kW size, ideal for hotel rooms
- Compatible with Plasma Quad Connect - an innovative, bolt-on air purifying device which neutralises viruses, bacteria, allergens, PM2.5, mould and dust. For more information, please refer to page 1.1.7



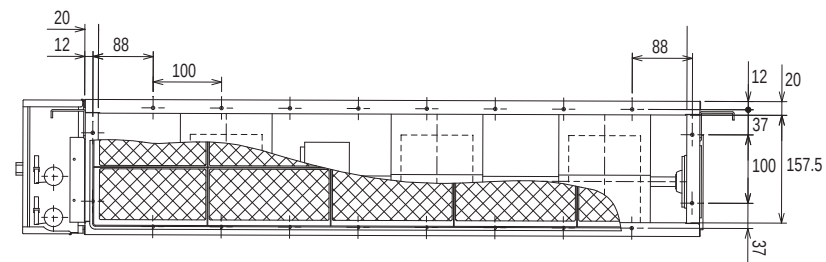
INDOOR UNITS		PEFY-P15VMS1-E	PEFY-P20VMS1-E	PEFY-P25VMS1-E	PEFY-P32VMS1-E	PEFY-P40VMS1-E	PEFY-P50VMS1-E	PEFY-P63VMS1-E
CAPACITY (kW)	Heating (nominal)	1.9	2.5	3.2	4.0	5.0	6.3	8.0
	Cooling (nominal)	1.7	2.2	2.8	3.6	4.5	5.6	7.1
	UK Heating	1.9	2.5	3.2	4.0	5.0	6.3	8.0
	UK Total Cooling - Hi (Sensible)	1.50 (1.40)	2.00 (1.70)	2.50 (2.10)	3.20 (2.50)	4.10 (3.00)	5.00 (3.70)	6.40 (4.70)
	UK Total Cooling - Mi	1.44	1.89	2.32	2.99	3.95	4.78	6.13
POWER INPUT (kW)	UK Total Cooling - Lo	1.34	1.76	2.07	2.63	3.70	4.51	5.77
	Heating (nominal)	0.03	0.03	0.04	0.05	0.05	0.07	0.07
AIRFLOW (l/s)	Cooling (nominal)	0.05	0.05	0.06	0.07	0.07	0.09	0.09
	Lo-Mi-Hi	83-100-117	91-108-133	91-117-150	100-133-167	133-158-183	158-183-217	200-233-275
EXTERNAL STATIC PRESSURE (Pa)		5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50
SOUND PRESSURE LEVEL (dBA)*1 Lo-Mi-Hi		22-24-28	22-25-29	24-26-30	24-27-32	28-30-33	30-32-35	30-33-36
WEIGHT (kg)		19	19	19	20	24	24	28
DIMENSIONS (mm)	Width	790	790	790	790	990	990	1190
	Depth	700	700	700	700	700	700	700
	Height	200	200	200	200	200	200	200
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A) Heating / Cooling		0.31 / 0.42	0.36 / 0.47	0.39 / 0.50	0.39 / 0.50	0.45 / 0.56	0.56 / 0.67	0.61 / 0.72
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6
MAINS CABLE No. Cores		3	3	3	3	3	3	3

Note: *1 Additional sound data is available for this model. Separated inlet and breakout sound power level and discharge sound power level data is available on request.

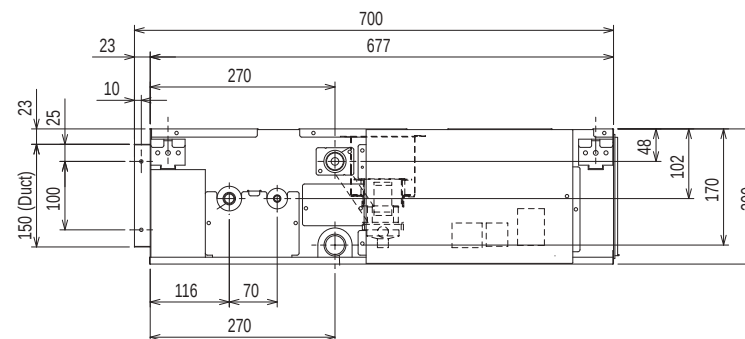
Upper View



Front View



Side View



Model	A	B	C	D	E	F
PEFY-P15-32VMS1-E	700	752	798	660	7	600
PEFY-P40-50VMS1-E	900	952	998	860	9	800
PEFY-P63VMS1-E	1100	1152	1198	1060	11	1000

PEFY-M-VMA-A

Ceiling Concealed Ducted Indoor Unit

The **PEFY-M-VMA-A** low-height ducted indoor unit is concealed within the ceiling space, offering unobtrusive air conditioning. The flexibility of duct layout allows airflow patterns to be arranged to suit any application.

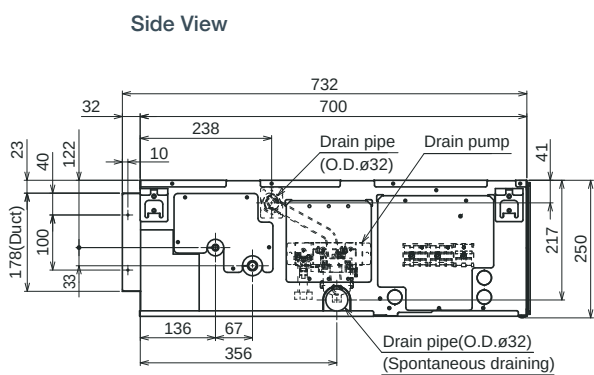
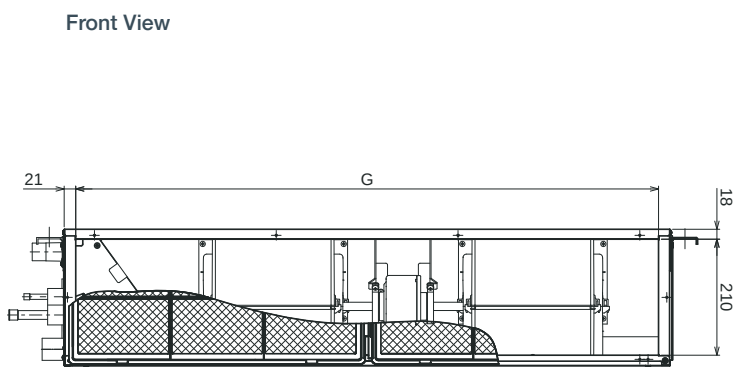
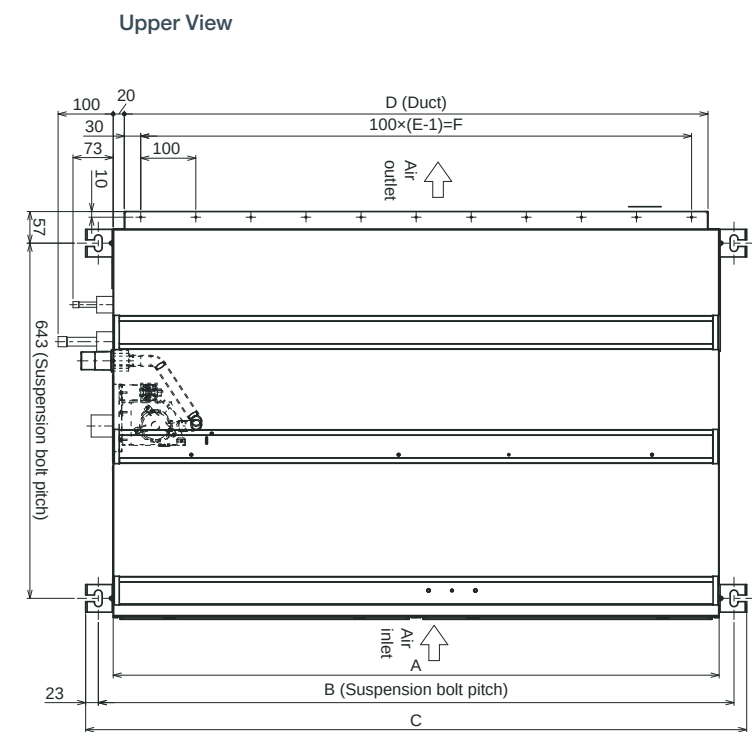
Key Features & Benefits

- Low height of 250mm, allowing installation in smaller spaces
 - Flexibility of design and application with a wide range of external static pressure settings across the entire range (35-150Pa)
 - Low noise levels facilitated through use of a centrifugal fan
 - Drain pump included as standard
 - CN105 connector available - connect to MELCOBEMS MINI for simple BEMS interfacing
 - Compatible with Plasma Quad Connect - an innovative, bolt-on air purifying device which neutralises viruses, bacteria, allergens, PM2.5, mould and dust.
- For more information, please refer to page 1.1.7



INDOOR UNITS		PEFY-M20VMA-A	PEFY-M25VMA-A	PEFY-M32VMA-A	PEFY-M40VMA-A	PEFY-M50VMA-A	PEFY-M63VMA-A	PEFY-M80VMA-A	PEFY-M100VMA-A	PEFY-M125VMA-A
CAPACITY (kW)	Heating (nominal)	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
	Cooling (nominal)	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
	UK Heating	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
	UK Total Cooling - Hi (Sensible)	2.00 (1.80)	2.50 (2.00)	3.20 (2.50)	4.10 (3.30)	5.00 (4.10)	6.40 (5.10)	8.10 (5.90)	10.10 (8.10)	12.60 (9.90)
	UK Total Cooling - Mi	1.94	2.42	3.07	3.94	4.80	6.11	7.78	9.67	12.07
POWER INPUT (kW)	UK Total Cooling - Lo	1.78	2.22	2.86	3.67	4.45	5.71	7.14	8.93	11.17
	Heating (nominal)	0.03	0.03	0.042	0.045	0.064	0.085	0.078	0.14	0.197
AIRFLOW (l/s)	Cooling (nominal)	0.032	0.032	0.044	0.047	0.066	0.087	0.08	0.142	0.199
	Lo-Mi-Hi	100-125-142	100-125-142	125-150-175	167-200-233	200-242-283	225-267-317	242-300-350	383-467-533	467-567-617
EXTERNAL STATIC PRESSURE (Pa)		35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	40-50-70-100-150	40-50-70-100-150	40-50-70-100-150
SOUND PRESSURE LEVEL (dBA)*1 Lo-Mi-Hi		21-25-27	21-25-27	23-27-30	23-28-31	24-31-34	27-31-35	25-31-34	30-35-38	34-38-40
WEIGHT (kg)		21	21	21	25	25	24	30	37	38
DIMENSIONS (mm)	Width	700	700	700	900	900	900	1100	1400	1400
	Depth	732	732	732	732	732	732	732	732	732
	Height	250	250	250	250	250	250	250	250	250
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A) Heating / Cooling		0.25 / 0.25	0.25 / 0.25	0.34 / 0.34	0.37 / 0.37	0.51 / 0.51	0.66 / 0.66	0.57 / 0.57	0.97 / 0.97	1.23 / 1.23
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6	6	6
MAINS CABLE No. Cores		3	3	3	3	3	3	3	3	3

Note: *Measured in an anechoic chamber with a 1m inlet duct and 2m air outlet duct, 1.5m below unit



Model	A	B	C	D	E	F	G
PEFY-M20,25,32VMA-A	700	754	800	660	7	600	658
PEFY-M40,50,63VMA-A	900	954	1000	860	9	800	858
PEFY-M80VMA-A	1100	1154	1200	1060	11	1000	1058
PEFY-M100,125VMA-A	1400	1454	1500	1360	14	1300	1358

PEFY-P-VMHS-E

High Static Pressure Ceiling Concealed Ducted Indoor Unit

With increased design flexibility as a result of increased external static pressure, the **PEFY-P-VMHS-E** ceiling concealed unit is an ideal choice for applications such as retail and warehouse spaces.

Key Features & Benefits

- External static pressure of up to 250Pa for flexibility of design and application
- Greater versatility of duct extension, branching air outlet configuration
- Low noise levels facilitated through use of a centrifugal fan
- Duct can be connected to intake side
- Drain lift-pump (option) - 550 mm & 700mm of lift available allowing a variety of piping layouts

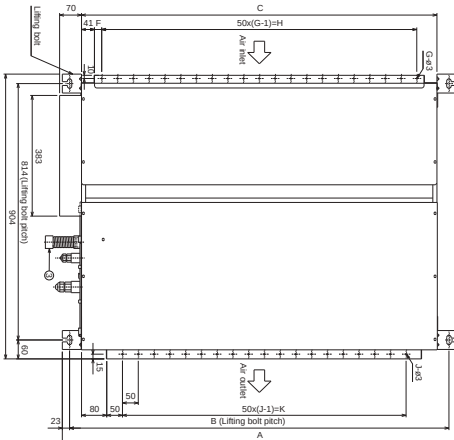


INDOOR UNITS		PEFY-P80VMHS-E	PEFY-P100VMHS-E	PEFY-P125VMHS-E	PEFY-P140VMHS-E	PEFY-P200VMHS-E	PEFY-P250VMHS-E
CAPACITY (kW)	Heating (nominal)	10.0	12.5	16.0	18.0	25.0	31.5
	Cooling (nominal)	9.0	11.2	14.0	16.0	22.4	28.0
	UK Heating	10.0	12.5	16.0	18.0	25.0	31.5
	UK Total Cooling - Hi (Sensible)	8.10 (6.10)	10.10 (8.30)	12.60 (9.50)	14.40 (10.80)	20.20 (15.60)	25.20 (19.30)
	UK Total Cooling - Mi	-	-	-	-	19.33	24.10
POWER INPUT (kW)	UK Total Cooling - Lo	7.27	8.95	11.16	12.77	17.84	22.21
	Heating (nominal)	0.09	0.16	0.16	0.19	0.63	0.82
	Cooling (nominal)	0.09	0.16	0.16	0.19	0.63	0.82
AIRFLOW (l/s)	Lo-Mi-Hi	300-358-417	442-533-633	442-533-633	467-567-667	833-1017-1200	967-1183-1400
EXTERNAL STATIC PRESSURE (Pa)		100-150-200	100-150-200	100-150-200	100-150-200	50-100-150-200-250	50-100-150-200-250
SOUND PRESSURE LEVEL (dBA) (150Pa) Lo-Mi-Hi		25-27-30	27-31-34	27-31-34	27-32-36	36-39-43	39-42-46
WEIGHT (kg)		45	51	51	53	97	100
DIMENSIONS (mm)	Width	1030	1195	1195	1195	1250	1250
	Depth	900	900	900	900	1120	1120
	Height	380	380	380	380	470	470
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A) Heating / Cooling		0.61 / 0.61	1.01 / 1.01	1.01 / 1.01	1.19 / 1.19	3.18 / 3.18	4.14 / 4.14
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6
MAINS CABLE No. Cores		3	3	3	3	3	3

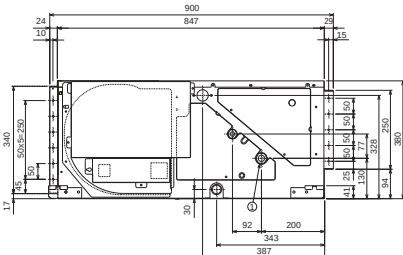
Product Dimensions

PEFY-P80/100/125/140VMHS-E

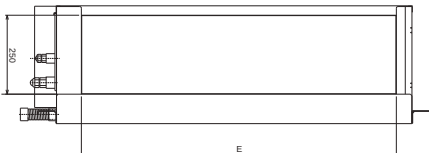
Upper View



Side View



Front View

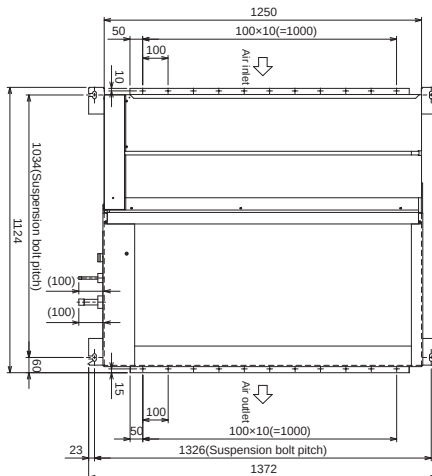


Model	A	B	C	E	F	G	H	J	K
PEFY-P80VMHS-E	1085	1039	965	835	42.5	17	800	15	700
PEFY-P100-140VMHS-E	1250	1204	1130	1000	25	21	1000	19	900

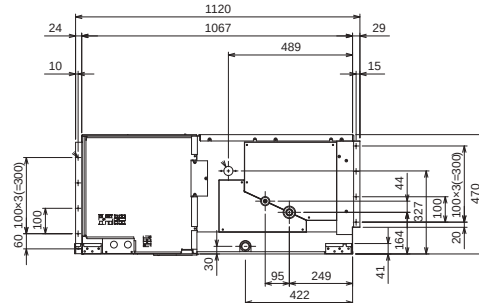
Product Dimensions

PEFY-P200/250VMHS-E

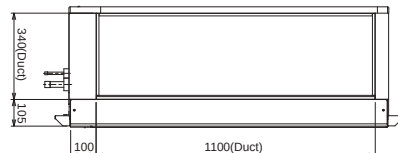
Upper View



Side View

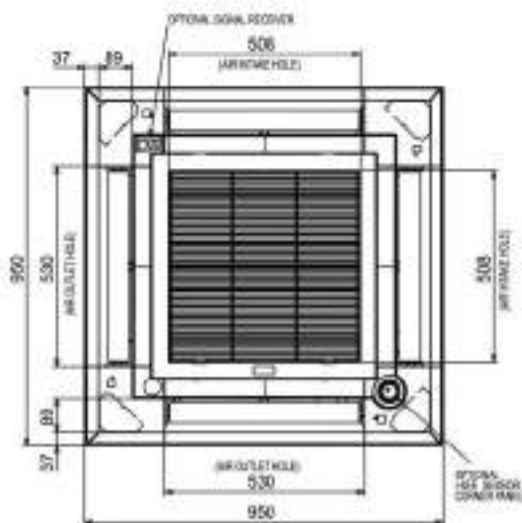


Front View

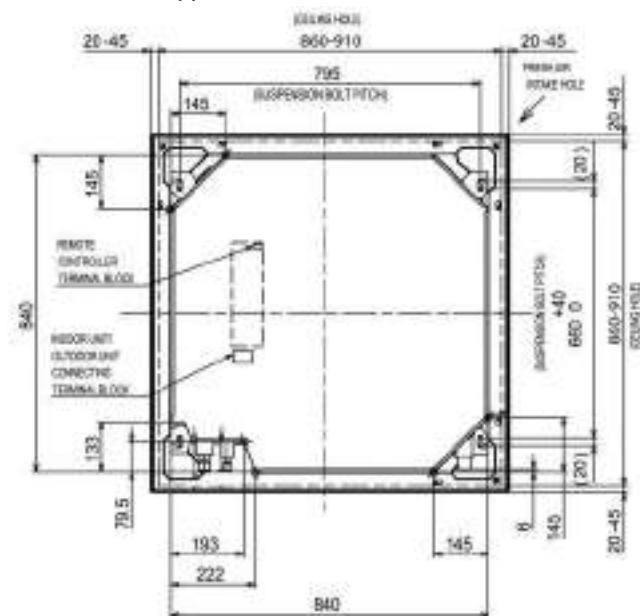


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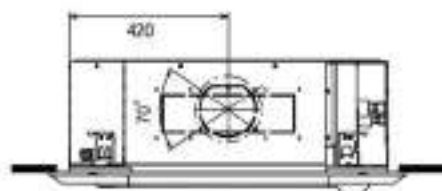
Lower View



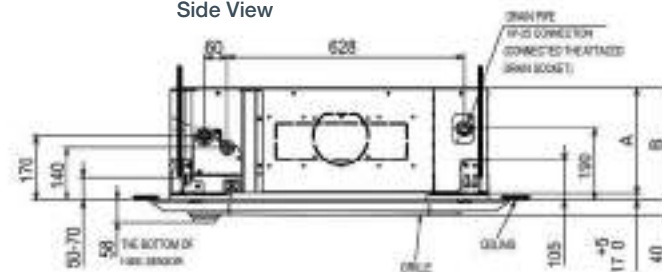
Upper View



Front View



Side View



	A	B
32/40	281	281
50	281	281
63/80	281	281

PLFY-P-VFM-E

600x600 4-Way Blow Ceiling Cassette Indoor Unit

The **PLFY-P-VFM-E** 600x600 cassette unit provides a smart air conditioning solution for tight ceiling spaces. Designed to fit directly into standard 600mm square ceiling grids, these units are a perfect choice for both offices and retail applications. The optional 3D i-see sensor grille optimises both energy consumption and comfort levels.

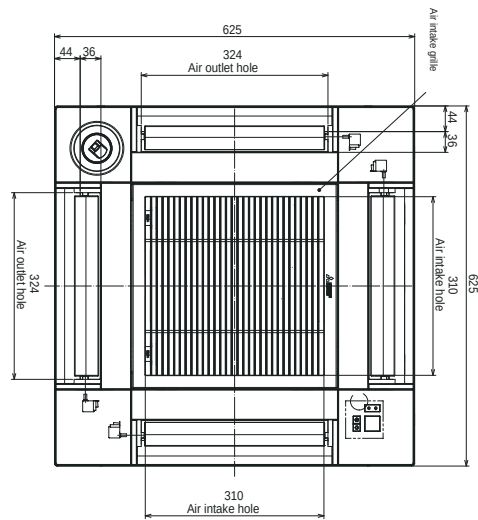
Key Features & Benefits

- Stylish square slimline design - fits into narrow ceiling spaces with a height of only 245mm
- Low noise levels for minimal disturbance - reduced noise value with 3D turbo fan
- Increased comfort levels through advanced airflow
- Easy installation - temporary hanging hook on grille and no screw removal for corner panel / control box
- Optional 3D i-see sensor grille (SLP-2FAE) provides energy efficient, customised comfort by automatically monitoring room occupancy, position and body temperatures
- Optional V Blocking filter provides in-room air purification, neutralising viruses, allergens, dust and mould

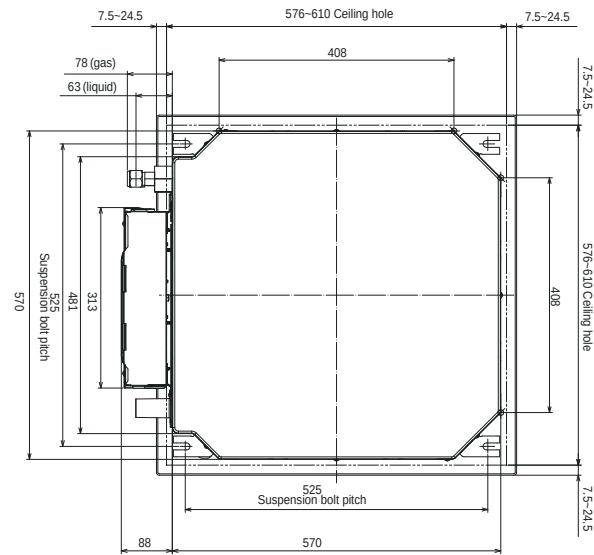


INDOOR UNITS		PLFY-P15VFM-E	PLFY-P20VFM-E	PLFY-P25VFM-E	PLFY-P32VFM-E	PLFY-P40VFM-E	PLFY-P50VFM-E
CAPACITY (kW)	Heating (nominal)	1.9	2.5	3.2	4.0	5.0	6.3
	Cooling (nominal)	1.7	2.2	2.8	3.6	4.5	5.6
	UK Heating	1.9	2.5	3.2	4.0	5.0	6.3
	UK Total Cooling - Hi (Sensible)	1.50 (1.30)	2.00 (1.60)	2.50 (2.00)	3.20 (2.40)	4.00 (2.90)	5.00 (3.60)
	UK Total Cooling - Mi	1.48	1.94	2.38	3.06	3.78	4.78
POWER INPUT (kW)	UK Total Cooling - Lo	1.41	1.84	2.24	2.91	3.51	4.41
	Heating (nominal)	0.02	0.02	0.02	0.02	0.03	0.03
AIRFLOW (l/s)	Cooling (nominal)	0.02	0.02	0.02	0.02	0.03	0.03
	Lo-Mi-Hi	108-125-133	108-125-142	108-133-150	117-133-158	125-150-183	150-183-217
SOUND PRESSURE LEVEL (dBA) Lo-Mi-Hi		26-28-30	26-29-31	26-30-33	26-30-34	28-33-39	33-39-43
WEIGHT (kg) (Grille)		14 (3)	14 (3)	14 (3)	15 (3)	15 (3)	15 (3)
DIMENSIONS (mm)	Width (Grille)	570 (625)	570 (625)	570 (625)	570 (625)	570 (625)	570 (625)
	Depth (Grille)	570 (625)	570 (625)	570 (625)	570 (625)	570 (625)	570 (625)
	Height (Grille)	245 (10)	245 (10)	245 (10)	245 (10)	245 (10)	245 (10)
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A) Heating / Cooling		0.14 / 0.19	0.16 / 0.21	0.17 / 0.22	0.18 / 0.23	0.23 / 0.28	0.35 / 0.4
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6
MAINS CABLE No. Cores		3	3	3	3	3	3
GRILLE MODEL REFERENCE		SLP-2FA	SLP-2FA	SLP-2FA	SLP-2FA	SLP-2FA	SLP-2FA

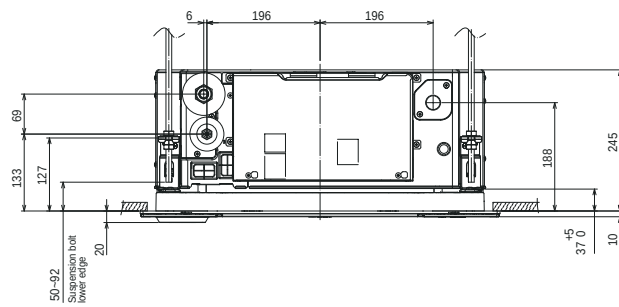
Upper View



Lower View



Side View



PFFY-P-VCM-E

Floor Standing Concealed Indoor Unit

The **PFFY-P-VCM-E** is a compact concealed unit that provides simple, effective air conditioning in perimeter zones. The unit is easy to install and, at only 200mm deep, offers an unobtrusive method of delivering a highly efficient air conditioning performance.

Key Features & Benefits

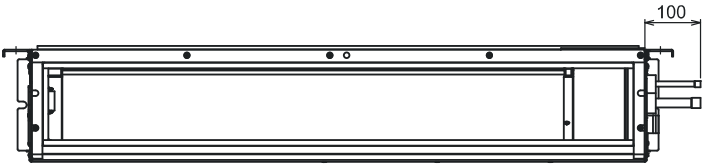
- Concealed unit for hidden installation
- Ideal for perimeter installations and refurbishments
- 0-10-40-60Pa static pressure settings available for flexibility of design and application



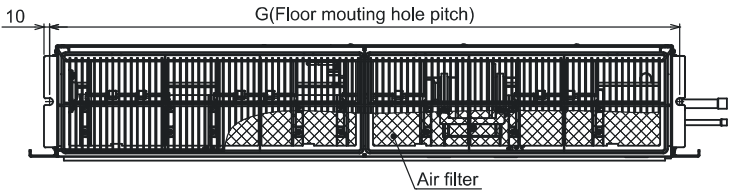
INDOOR UNITS		PFFY-P20VCM-E	PFFY-P25VCM-E	PFFY-P32VCM-E	PFFY-P40VCM-E	PFFY-P50VCM-E	PFFY-P63VCM-E
CAPACITY (kW)	Heating (nominal)	2.5	3.2	4.0	5.0	6.3	8.0
	Cooling (nominal)	2.2	2.8	3.6	4.5	5.6	7.1
	UK Heating	2.5	3.2	4.0	5.0	6.3	8.0
	UK Total Cooling - Hi (Sensible)	2.00 (1.60)	2.50 (1.90)	3.20 (2.40)	4.10 (3.00)	5.00 (3.80)	6.40 (4.70)
	UK Total Cooling - Mi	1.92	2.40	3.05	3.95	4.81	6.11
POWER INPUT (kW)	UK Total Cooling - Lo	1.77	2.21	2.87	3.70	4.48	5.71
	Heating (nominal)	0.022	0.026	0.031	0.038	0.052	0.058
AIRFLOW (l/s)	Cooling (nominal)	0.022	0.026	0.031	0.038	0.052	0.058
	Lo-Mi-Hi	83-100-117	92-108-133	92-117-142	133-158-183	167-192-225	200-233-275
EXTERNAL STATIC PRESSURE (Pa)		0-10-40-60	0-10-40-60	0-10-40-60	0-10-40-60	0-10-40-60	0-10-40-60
SOUND PRESSURE LEVEL*1 (dBA) Lo-Mi-Hi		21-23-26	22-25-29	23-26-30	25-27-30	28-31-34	28-32-35
WEIGHT (kg)		18	18	18.5	22.5	22.5	25.5
DIMENSIONS (mm)	Width	700	700	700	900	900	1100
	Depth	200	200	200	200	200	200
	Height	690	690	690	690	690	690
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A) Heating / Cooling		0.25 / 0.25	0.30 / 0.30	0.34 / 0.34	0.38 / 0.38	0.50 / 0.50	0.49 / 0.49
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6
MAINS CABLE No. Cores		3	3	3	3	3	3

Note: *1 Additional sound data is available for this model. Separated inlet and breakout sound power level and discharge sound power level data is available on request.

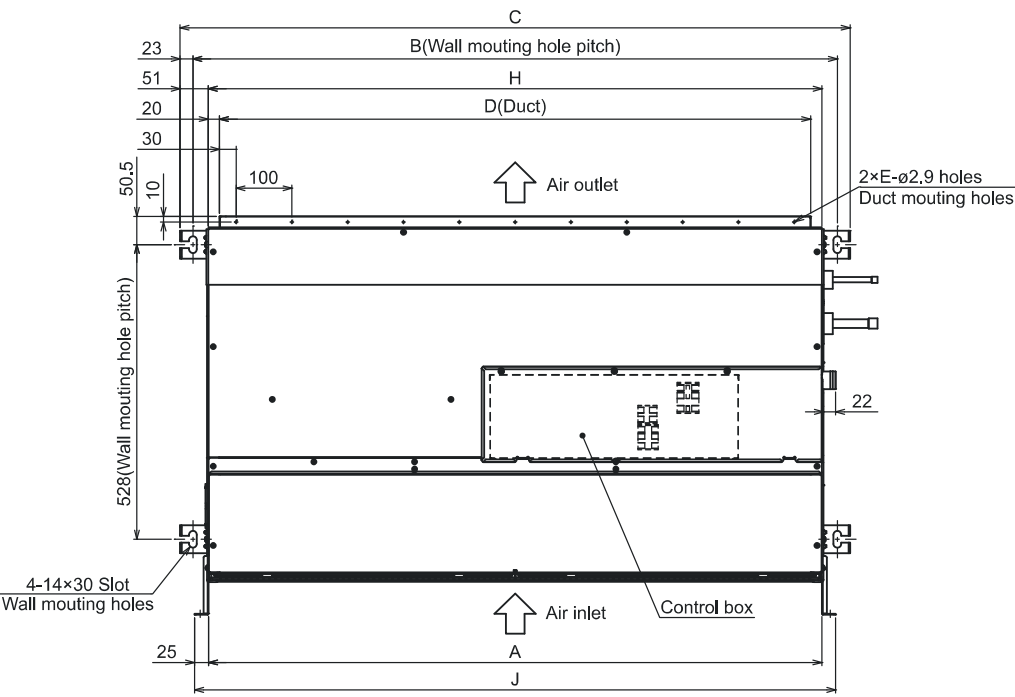
Upper View



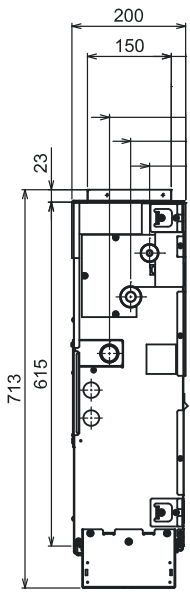
Lower View



Front View



Side View



Model	A	B	C	D	E	F	G	H	J
PFFY-P20-25-32VCM-E	700	756	802	660	7	600	730	700	750
PFFY-P40-50VCM-E	900	956	1002	860	9	800	930	900	950
PFFY-P63VCM-E	1100	1156	1202	1060	11	1000	1130	1100	1150

PFFY-P-VLEM-E

Floor Standing Exposed Indoor Unit

The **PFFY-P-VLEM-E** is a compact cased unit that provides simple, effective air conditioning in perimeter zones. Constructed in a robust, metal casement, and with a depth of only 220mm, it offers a flexible solution for applications such as offices, retail and hospitals.

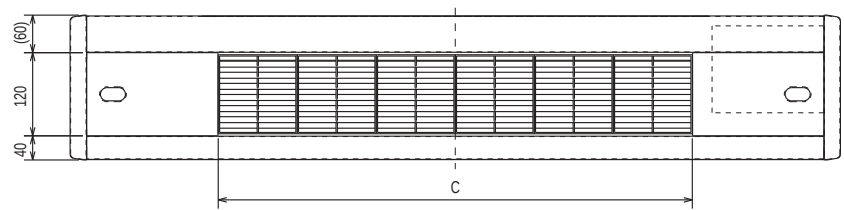
Key Features & Benefits

- Perimeter air conditioning for retrofit applications where ceiling void not available
- Minimalist design with exposed casement
- Convenient built-in housing for the remote controller

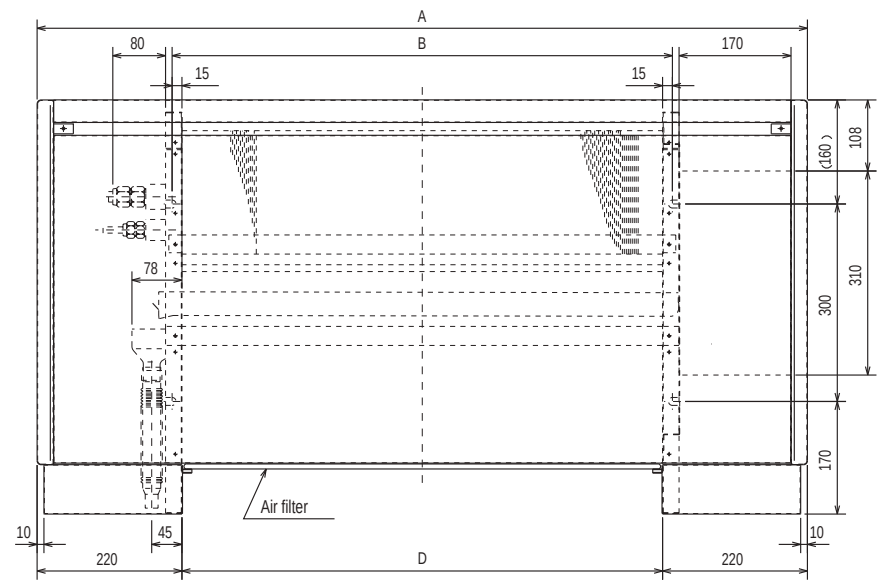


INDOOR UNITS		PFFY-P20VLEM-E	PFFY-P25VLEM-E	PFFY-P32VLEM-E	PFFY-P40VLEM-E	PFFY-P50VLEM-E	PFFY-P63VLEM-E
CAPACITY (kW)	Heating (nominal)	2.5	3.2	4.0	5.0	6.3	8.0
	Cooling (nominal)	2.2	2.8	3.6	4.5	5.6	7.1
	UK Heating	2.5	3.2	4.0	5.0	6.3	8.0
	UK Total Cooling - Hi (Sensible)	2.00 (1.60)	2.50 (1.90)	3.20 (2.40)	4.10 (3.00)	5.00 (3.80)	6.40 (4.70)
	UK Total Cooling - Lo	1.92	2.40	2.97	3.88	4.81	5.93
POWER INPUT (kW)	Heating (nominal)	0.04	0.04	0.06	0.065	0.085	0.10
	Cooling (nominal)	0.04	0.04	0.06	0.065	0.085	0.10
AIRFLOW (l/s)	Lo-Hi	92-108	92-108	117-150	150-183	200-233	200-258
SOUND PRESSURE LEVEL (dBA)	Lo-Hi	34-40	34-40	35-40	38-43	38-43	40-46
WEIGHT (kg)		23	23	25	26	30	32
DIMENSIONS (mm)	Width	1050	1050	1170	1170	1410	1410
	Depth	220	220	220	220	220	220
	Height	630	630	630	630	630	630
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A) Heating / Cooling		0.19 / 0.19	0.19 / 0.19	0.29 / 0.29	0.32 / 0.32	0.40 / 0.40	0.46 / 0.46
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6
MAINS CABLE No. Cores		3	3	3	3	3	3

Upper View



Front View



Model	A	B	C	D
PFFY-P20VLEM-E	1050	640	600	610
PFFY-P25VLEM-E	1050	640	600	610
PFFY-P32VLEM-E	1170	760	720	730
PFFY-P40VLEM-E	1170	760	720	730
PFFY-P50VLEM-E	1410	1000	960	970
PFFY-P63VLEM-E	1410	1000	960	970

PFFY-P-VKM-E

Floor Standing Exposed Indoor Unit

The **PFFY-P-VKM-E** is extremely versatile and designed for wall attached installation at floor level. The auto swing vane provides a more natural and comfortable airflow throughout the room and the lightweight, compact design makes installation easy.

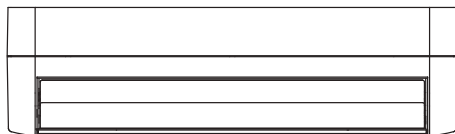
Key Features & Benefits

- White, slimline design for easy installation
- Upper and lower vanes for optimum, powerful and efficient air distribution

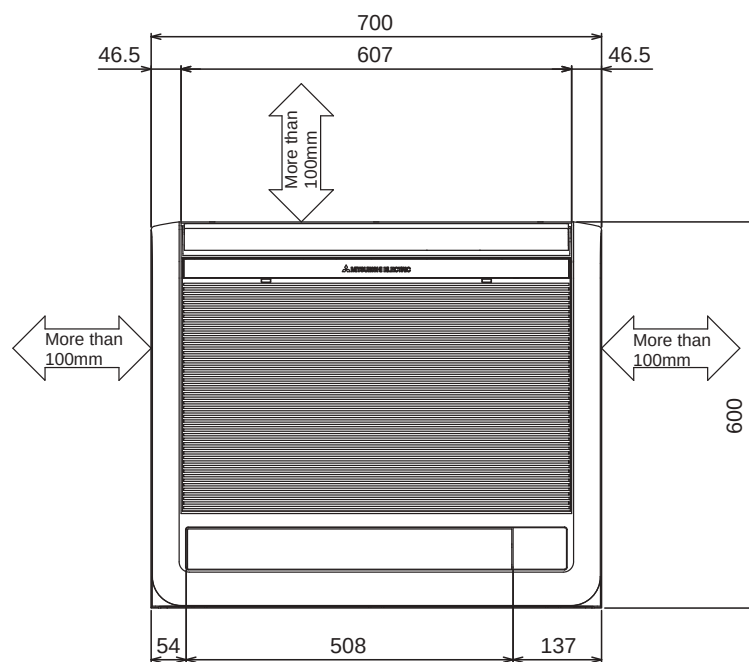


INDOOR UNITS		PFFY-P20VKM-E	PFFY-P25VKM-E	PFFY-P32VKM-E	PFFY-P40VKM-E
CAPACITY (kW)	Heating (nominal)	2.5	3.2	4.0	5.0
	Cooling (nominal)	2.2	2.8	3.6	4.5
	UK Heating	2.5	3.2	4.0	5.0
	UK Total Cooling - Hi (Sensible)	2.00 (1.60)	2.50 (1.90)	3.20 (2.30)	4.10 (2.90)
	UK Total Cooling - Mi2	1.94	2.42	3.10	3.98
	UK Total Cooling - Mi1	1.86	2.31	2.96	3.92
POWER INPUT (kW)	UK Total Cooling - Lo	1.75	2.17	2.78	3.74
	Heating (nominal)	0.025	0.025	0.025	0.028
	Cooling (nominal)	0.025	0.025	0.025	0.028
AIRFLOW (l/s)	Lo-Mi1-Mi2-Hi	98-113-127-145	102-117-133-152	102-117-133-152	133-150-158-178
SOUND PRESSURE LEVEL (dBA)	Lo-Mi1-Mi2-Hi	27-31-34-37	28-32-35-38	28-32-35-38	35-38-42-44
WEIGHT (kg)		15	15	15	15
DIMENSIONS (mm)	Width	700	700	700	700
	Depth	200	200	200	200
	Height	600	600	600	600
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single
RUNNING CURRENT (A) Heating / Cooling		0.20 / 0.20	0.20 / 0.20	0.20 / 0.20	0.24 / 0.24
FUSE RATING (BS88) - HRC (A)		6	6	6	6
MAINS CABLE No. Cores		3	3	3	3

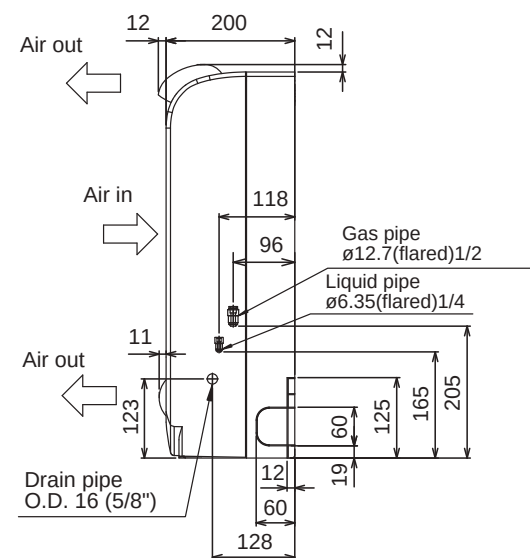
Upper View



Front View



Side View



PKFY-P-VLM-E / VKM-E

Wall Mounted Indoor Unit

The elegant, compact design of the **PKFY-P** wall mounted indoor unit, is an ideal unit choice for exposed applications. The units quiet operation promotes minimal disturbance in close proximity.

Key Features & Benefits

- Compact flat panel design - only 773mm wide (sizes 10-32)
- Widened vane control for improved air distribution and comfort
- Reduced noise levels of 22dB(A) (sizes 10-25) enabling minimal disturbance
- Compatible with Plasma Quad Connect - an innovative, bolt-on air purifying device which neutralises viruses, bacteria, allergens, PM2.5, mould and dust. For more information, please refer to page 1.1.7

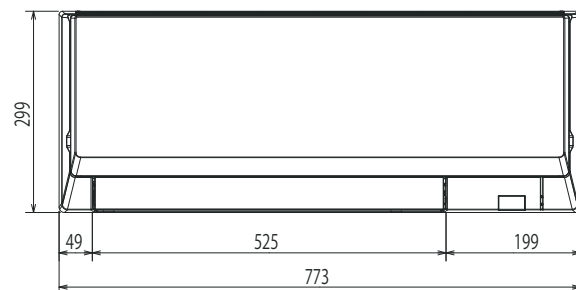


INDOOR UNITS		PKFY-P10VLM-E	PKFY-P15VLM-E	PKFY-P20VLM-E	PKFY-P25VLM-E	PKFY-P32VLM-E	PKFY-P40VLM-E	PKFY-P50VLM-E	PKFY-P63VKM-E
CAPACITY (kW)	Heating (nominal)	1.4	1.9	2.5	3.2	4.0	5.0	6.3	8.0
	Cooling (nominal)	1.2	1.7	2.2	2.8	3.6	4.5	5.6	7.1
	UK Heating	1.4	1.9	2.5	3.2	4.0	5.0	6.3	8.0
	UK Total Cooling - Hi (Sensible)	1.10 (1.00)	1.50 (1.10)	2.00 (1.40)	2.50 (1.80)	3.20 (2.50)	4.10 (3.10)	5.00 (3.60)	6.40 (5.00)
	UK Total Cooling - Mi2	1.08	1.50	1.98	2.47	3.16	4.04	4.89	-
POWER INPUT (kW)	UK Total Cooling - Mi1	1.07	1.48	1.94	2.43	3.13	4.01	4.84	-
	UK Total Cooling - Lo	1.03	1.48	1.91	2.38	3.03	3.81	4.57	6.01
	Heating (nominal)	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.04
	Cooling (nominal)	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.05
	AIRFLOW (l/s) Lo-Mi1-Mi2-Hi	55-58-63-70	67-70-73-78	67-73-82-90	67-77-90-112	72-90-115-140	105-123-143-167	113-138-170-207	267-333
SOUND PRESSURE LEVEL (dBA) Lo-Mi1-Mi2-Hi		22-24-26-28	22-24-26-28	22-26-29-31	22-27-31-35	24-31-37-41	29-34-37-40	31-36-41-46	39-45
WEIGHT (kg)		11	11	11	11	11	13	13	21
DIMENSIONS (mm)	Width	773	773	773	773	773	898	898	1170
	Depth	237	237	237	237	237	237	237	295
	Height	299	299	299	299	299	299	299	365
ELECTRICAL SUPPLY		220-240v, 50hz	220-240v, 50hz	220-240v, 50hz	220-240v, 50hz	220-240v, 50hz	220-240v, 50hz	220-240v, 50hz	220-240v, 50hz
PHASE		Single	Single	Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A) Heating / Cooling		0.15 / 0.20	0.15 / 0.20	0.15 / 0.20	0.20 / 0.25	0.30 / 0.35	0.30 / 0.35	0.40 / 0.45	0.30 / 0.37
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6	6
MAINS CABLE No. Cores		3	3	3	3	3	3	3	3

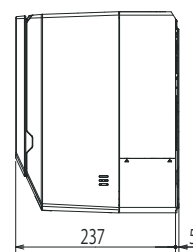
Product Dimensions

PKFY-P10/15/20/25/32VLM-E

Front View



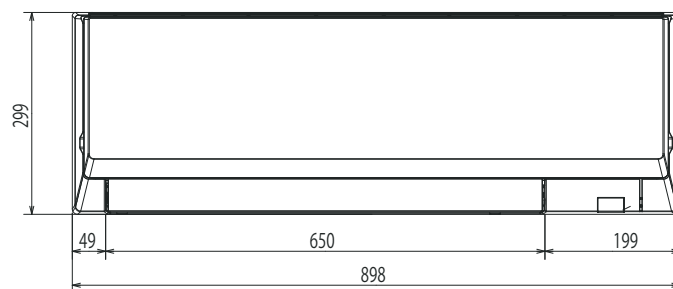
Side View



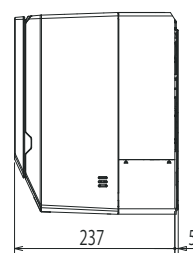
Product Dimensions

PKFY-P40/50VLM-E

Front View



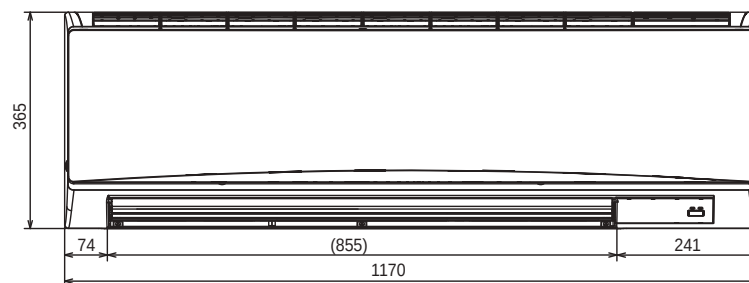
Side View



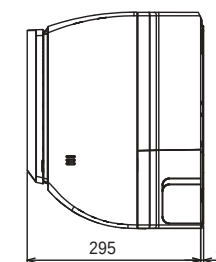
Product Dimensions

PKFY-P63VKM-E

Front View



Side View



PCFY-P-VKM-E

Ceiling Suspended Indoor Unit

Designed for ultra-quiet operation and easy maintenance, the **PCFY-P-VKM-E** provides comfortable air conditioning for a wide range of applications where floor or wall space cannot be used practically.

Key Features & Benefits

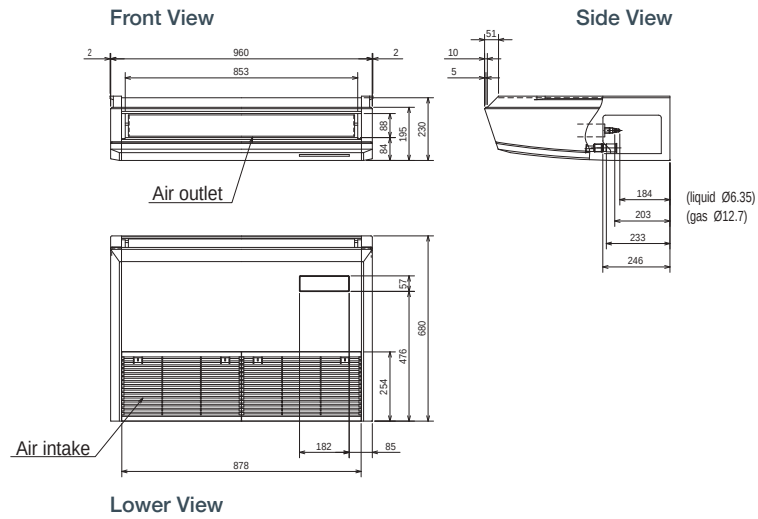
- Indoor unit designed for direct ceiling suspension
- Flush to wall installation for concealment of service connections
- Drain piping can be connected from left or right



INDOOR UNITS		PCFY-P40VKM-E	PCFY-P63VKM-E	PCFY-P100VKM-E	PCFY-P125VKM-E
CAPACITY (kW)	Heating (nominal)	5.0	8.0	12.5	16.0
	Cooling (nominal)	4.5	7.1	11.2	14.0
	UK Heating	5.0	8.0	12.5	16.0
	UK Total Cooling - Hi (Sensible)	4.10 (3.00)	6.40 (4.60)	10.10 (7.10)	12.60 (8.90)
	UK Total Cooling - Mi2	4.03	6.22	9.94	12.17
POWER INPUT (kW)	UK Total Cooling - Mi1	3.92	6.09	9.70	11.66
	UK Total Cooling - Lo	3.79	5.93	9.23	11.00
	Cooling (nominal)	0.04	0.05	0.09	0.11
AIRFLOW (l/s)	Lo-Mi1-Mi2-Hi	167-183-200-217	233-250-267-300	350-400-433-467	350-400-450-517
SOUND PRESSURE LEVEL (dBA)	Lo-Mi1-Mi2-Hi	29-32-34-36	31-33-35-37	36-38-41-43	36-39-42-44
WEIGHT (kg)		24	32	36	38
DIMENSIONS (mm)	Width	960	1280	1600	1600
	Depth	680	680	680	680
	Height	230	230	230	230
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single
RUNNING CURRENT (A) Heating / Cooling		0.28 / 0.28	0.33 / 0.33	0.65 / 0.65	0.76 / 0.76
FUSE RATING (BS88) - HRC (A)		6	6	6	6
MAINS CABLE No. Cores		3	3	3	3

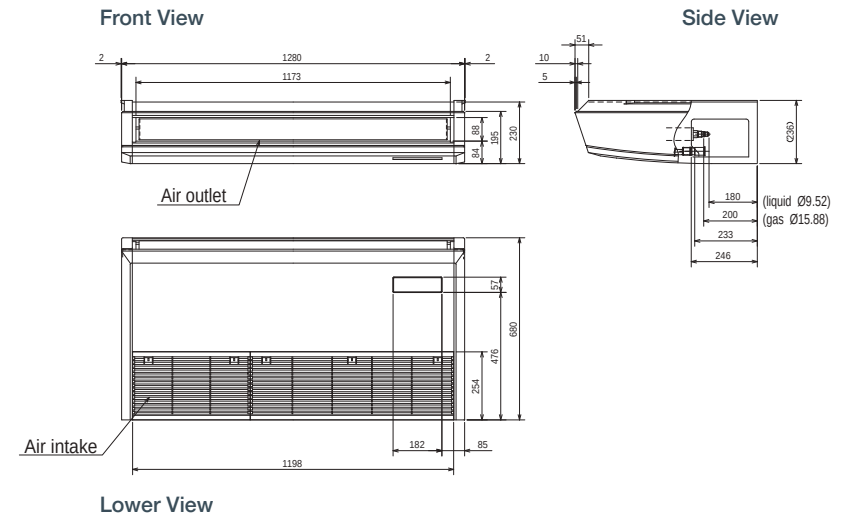
Product Dimensions

PCFY-P40VKM-E



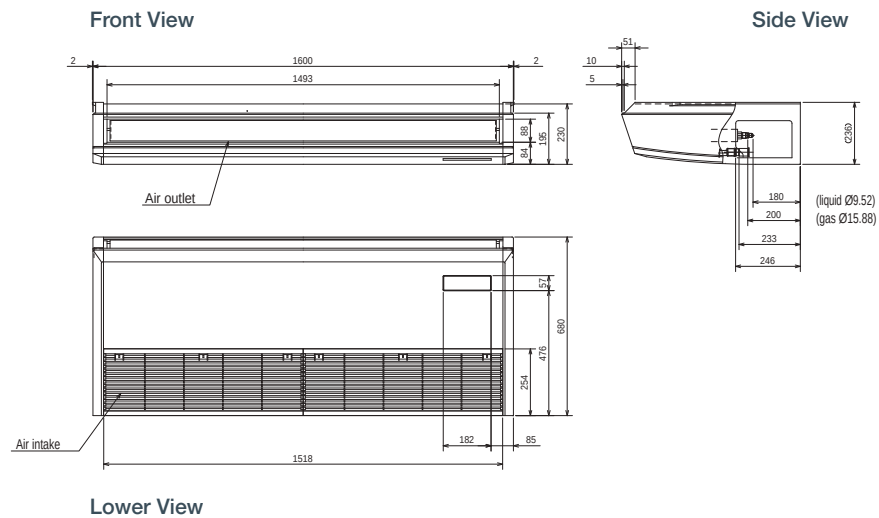
Product Dimensions

PCFY-P63VKM-E



Product Dimensions

PCFY-P100/125VKM-E



PWFY-P-VM-E-BU

VRF Sanitary Water Heater

Taking full advantage of heat recovery technology, the **PWFY-P** City Multi VRF Sanitary Water Heater is an ideal solution for providing an energy efficient hot water supply to commercial buildings. The simple addition of the booster unit to the existing VRF system makes this a very flexible solution for a variety of applications.

Key Features & Benefits

- Energy efficient provision of hot water, achieving a flow temperature of up to 70°C
- Simple addition of the booster unit to the existing air conditioning system
- Eliminates the inconveniences of gas boiler installation, such as gas grid connection costs, meter installation and maintenance costs
- Uses the PAR-W21MAA controller



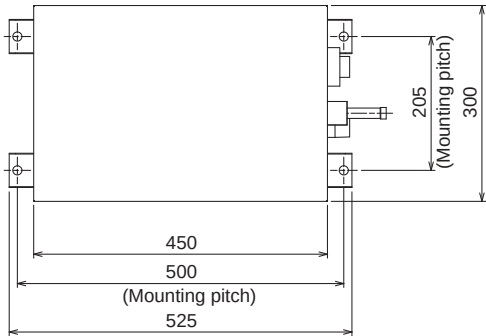
SANITARY WATER HEATER		PWFY-P100VM-E-BU
CAPACITY (kW)	Hot water (nominal)*1	12.5
	Hot water (UK)*2	8.0
POWER INPUT (kW)		2.48
COMPATIBLE OUTDOOR / CONDENSING UNITS		PURY / PQRY
PIPE SIZE mm (in)	Gas	15.88 (5/8")
	Liquid	9.52 (3/8")
	Water Connection	PT 3/4 Screw
	Water pipe size	28
SOUND PRESSURE LEVEL (dBA)		44
MAX WATER TEMPERATURE (°C)		70
OPTIMUM WATER FLOW RATE (m³/h)		1.5
WATER PRESSURE DROP AT OPTIMUM FLOW RATE (kPa)		22.5
WEIGHT (kg)		60
DIMENSIONS (mm)	Width	450
	Depth	300
	Height	785 (800)
ELECTRICAL SUPPLY		220-240v, 50Hz
PHASE		Single
RUNNING CURRENT (A)		10.66
FUSE RATING (BS88) - HRC (A)		25
MAINS CABLE No. Cores		3
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R134a (GWP 1430)		1.1 / 1.6

Notes:

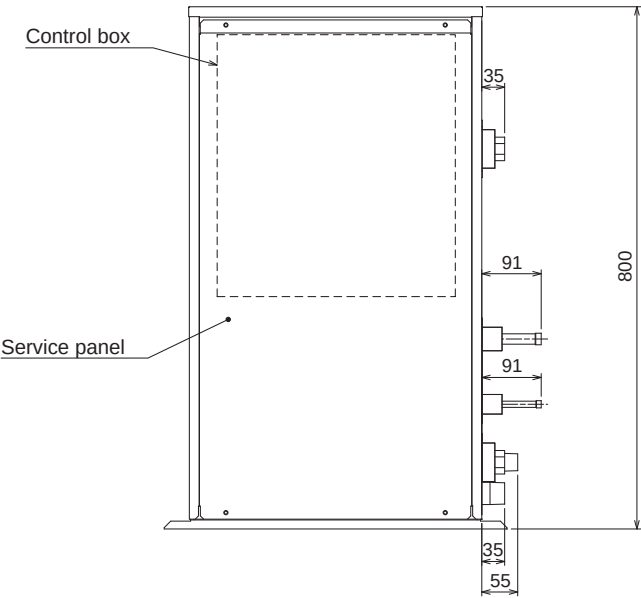
*1 Nominal conditions: Outdoor 7/6°C , 65°C inlet water temperature, 1.5m³/h water flow rate, 7.5m refrigerant pipe. (Please note this is a spot condition and not capacity over tank heat up).

*2 Typical capacity at -10°CWB outdoor temperature for tank heat up.

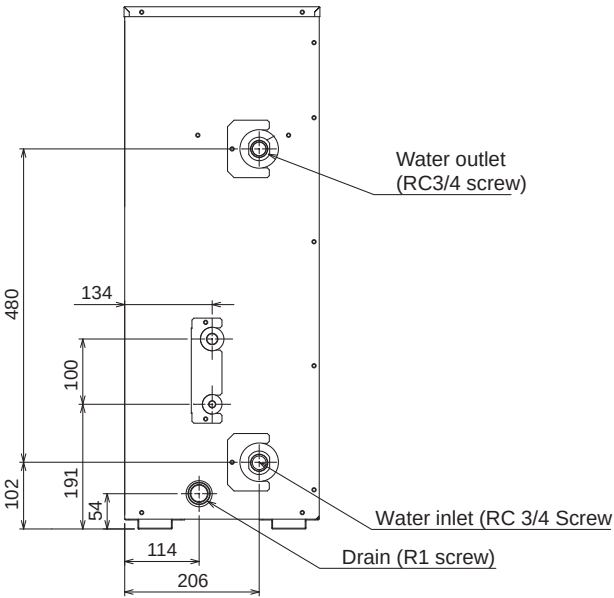
Upper View



Front View



Side View



VRF HP DXE

Heat Pump Air Curtain

In collaboration with Thermoscreens®, Mitsubishi Electric have developed a range of heat pump air curtains that are able to be connected to our City Multi VRF systems, as opposed to the more traditional direct electric method associated with air curtains.

Key Features & Benefits

- Reduced CO₂ emissions and run costs
- Allows open door policy in retail outlets whilst being energy efficient
- Clean indoor environment - protection from external dust, fumes etc.
- Heat recovery possible, optimising energy use



VRF HP DXE - RECESSED		VRF HP1000R DXE	VRF HP1500R DXE	VRF HP2000R DXE	VRF HP2000R DXE HO ^{*3*}
CAPACITY (kW)	Heating (nominal)	8.3	13.2	15.7	21.0
	Cooling (nominal)	7.4	11.8	14.0	16.8
AIRFLOW MAX (l/s)		364	575	720	720
SOUND PRESSURE LEVEL AT 3m (dBA) Lo-Mi-Hi		50-55-58	49-54-58	50-55-58	50-55-58
WEIGHT (kg)		52	75	93	93
DIMENSIONS (mm)	Width	1250	1750	2340	2340
	Depth	348	348	348	348
	Height	539	539	539	539
ELECTRICAL SUPPLY ^{*1}		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE ^{*1}		Single	Single	Single	Single
RUNNING CURRENT (A) ^{*1}		0.8	1.2	1.4	1.4
MAINS CABLE No. Cores ^{*1}		3	3	3	3
UNIFORMITY AT OUTLET (%) ^{*2}		90	92	90	90
UNIT SIZE (Index)		P71	P125	P140	P200
MAX MOUNTING HEIGHT (m)		3.2	3.2	3.2	3.2
COMPATIBLE OUTDOOR UNITS		PUHY / PURY / PQHY / PQRY	PUHY / PURY / PQHY / PQRY	PUHY / PURY / PQHY / PQRY	PUHY / PURY / PQHY / PQRY

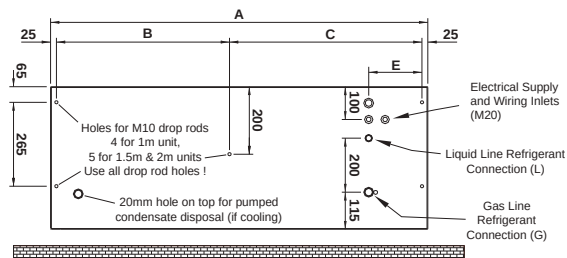
VRF HP DXE - FREE STANDING		VRF HP1000 DXE ^{*1}	VRF HP1500 DXE ^{*1}	VRF HP2000 DXE ^{*1}	VRF HP2000 DXE HO ^{*3*}
CAPACITY (kW)	Heating (nominal)	8.3	13.2	15.7	21.0
	Cooling (nominal)	7.4	11.8	14.0	16.8
AIRFLOW MAX (l/s)		364	575	720	720
SOUND PRESSURE LEVEL AT 3m (dBA) Lo-Mi-Hi		50-55-58	49-54-58	50-55-58	50-55-58
WEIGHT (kg)		46	67	84	84
DIMENSIONS (mm)	Width	1300	1825	2350	2350
	Depth	468	468	468	468
	Height	306	306	306	306
ELECTRICAL SUPPLY ^{*1}		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE ^{*1}		Single	Single	Single	Single
RUNNING CURRENT (A) ^{*1}		0.8	1.2	1.4	1.4
MAINS CABLE No. Cores ^{*1}		3	3	3	3
UNIFORMITY AT OUTLET (%) ^{*2}		90	92	90	90
UNIT SIZE (Index)		P71	P125	P140	P200
MAX MOUNTING HEIGHT (m)		3.2	3.2	3.2	3.2
COMPATIBLE OUTDOOR UNITS		PUHY / PURY / PQHY / PQRY	PUHY / PURY / PQHY / PQRY	PUHY / PURY / PQHY / PQRY	PUHY / PURY / PQHY / PQRY

Notes: *1 For indoor units with electric defrost heaters enabled, 3ph, 380-415V power supply (7.3A HP1000, 12.1A HP1500, 14.4A HP2000). *2 Tested to ISO27327. *3 Includes twin LEV kit for installation with the air curtain. *4 This model is made to order.

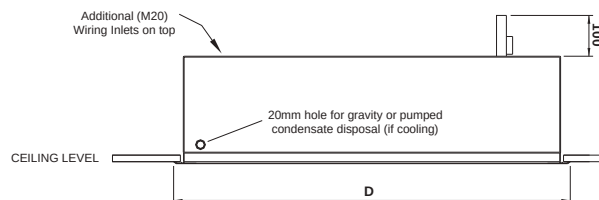
Product Dimensions

VRF HP1000/1500/2000R DXE (HO)

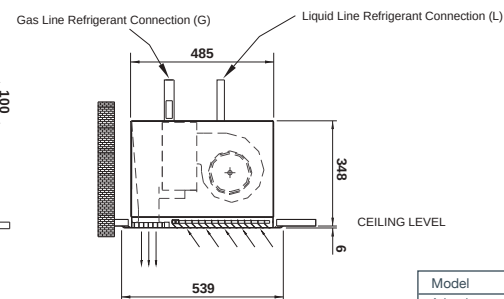
Front View



Upper View



Side View

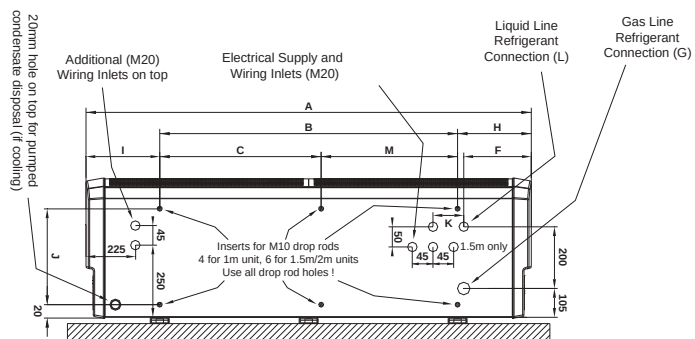


	Model	VRF HP1000R DXE	VRF HP1500R DXE	VRF HP2000R DXE
	A (mm)	1250	1750	2340
	B (mm)	-	724	1129
	C (mm)	-	976	1161
	D (mm)	1303	1803	2393
	E (mm)	170	166	189
	G	%in.	%in.	%in.
	L	½in.	½in.	%in.
Cut-Out in Ceiling	Length (mm)	1250	1750	2340
	Width (mm)	485	485	485

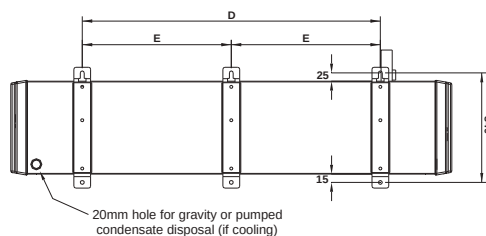
Product Dimensions

VRF HP1000/1500/2000 DXE (HO)

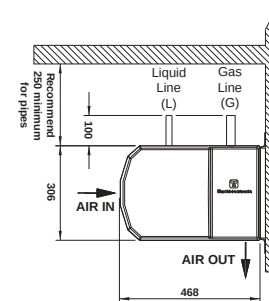
Front View



Upper View



Side View



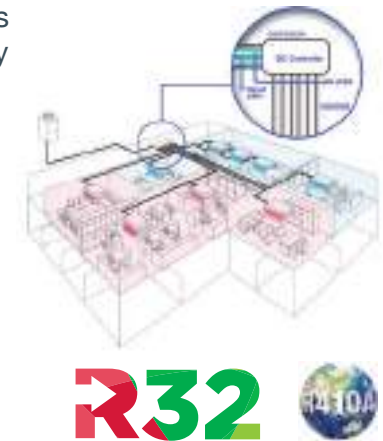
Model	VRF HP1000DXE	VRF HP1500DXE	VRF HP2000DX
A (mm)	1300	1825	2350
B (mm)	605	1225	1793
C (mm)	-	655	918
D (mm)	898	1398	1904
E (mm)	-	699	952
F (mm)	182	222	204
G	%in.	%in.	%in.
H (mm)	442	333	299
I (mm)	253	267	258
J (mm)	359	359	334
K (mm)	80	45	80
L	½in.	½in.	%in.
M	-	570	875

BC Controllers

At the heart of both the R2 and WR2 Series, the BC controller makes simultaneous heating and cooling possible. Improved system efficiency is achieved when energy is transferred intelligently around the building.

Key Features & Benefits

- Allows unique 2-pipe heat recovery application
- Simultaneous heating and cooling
- Instructs the heat source unit/outdoor unit on the amount of refrigerant (liquid or gas) that is required to achieve the requested cooling or heating requirements
- Slim profile for more flexible installation
- Easy servicing and maintenance access through underside drain pan
- Brazed connections



BC CONTROLLERS		CMB-M104V-J1	CMB-M106V-J1
NUMBER OF CONNECTIONS		4	6
WEIGHT (KG)		26	29
DIMENSIONS (MM)	Width	596	596
	Depth	476	476
	Height	250	250
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
POWER INPUT (kW)		0.076	0.11
RUNNING CURRENT (A)		0.34	0.48
FUSE RATING (BS88) – HRC (A)		6	6
MAINS CABLE NO. CORES		3	3

Note: CMB-M-V-J1 units are for use with PURY-EM200-300YNW-A1, PURY-M200-300YNW-A1, PURY-EP200-350YNW-A1, PURY-P200-350YNW-A1 & PQRY-P200-300YLM-A1 units only.

MAIN BC CONTROLLERS		CMB-M108V-JA1	CMB-M1012V-JA1	CMB-M1016V-JA1	CMB-P1016V-KA1
NUMBER OF CONNECTIONS		8	12	16	16
WEIGHT (kg)		48	60	68	69
DIMENSIONS (mm)	Width	911	1135	1135	1135
	Depth	622	622	622	622
	Height	252	252	252	250
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single
POWER INPUT (kW)		0.144	0.211	0.279	0.279
RUNNING CURRENT (A)		0.63	0.92	1.22	1.22
FUSE RATING (BS88) – HRC (A)		6	6	6	6
MAINS CABLE No. Cores		3	3	3	3

Notes: CMB-M-V-JA1 units are for use with PURY-EM200-300YNW-A1, PURY-M200-300YNW-A1, PURY-EP200-900Y(S)NW-A1, PURY-P200-900Y(S)NW-A1 & PQRY-P200-900Y(S)LM-A1 units only.
CMB-P1016V-KA1 unit is for use with PURY-P950-1100YSNW-A1 and PURY-EP950-1100YSNW-A1 units only.

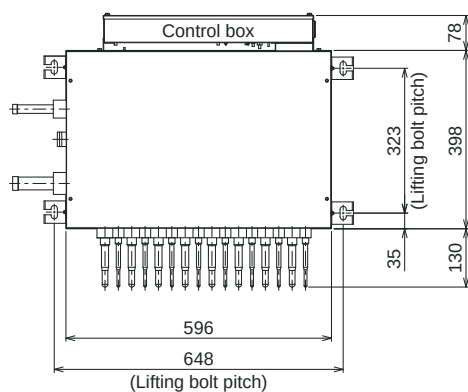
SUB BC CONTROLLERS		CMB-M104V-KB1	CMB-M108V-KB1
NUMBER OF CONNECTIONS		4	8
WEIGHT (KG)		23	31
DIMENSIONS (MM)	Width	596	596
	Depth	476	476
	Height	250	250
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
POWER INPUT (kW)		0.068	0.135
RUNNING CURRENT (A)		0.30	0.59
FUSE RATING (BS88) – HRC (A)		6	6
MAINS CABLE NO. CORES		3	3

Notes: Maximum index of 350 allowable on each Sub BC controller. Up to 11 Sub BC controllers connectable to one system.

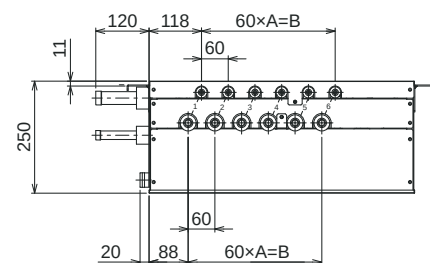
Product Dimensions

CMB-M104/106V-J1

Upper View



Side View

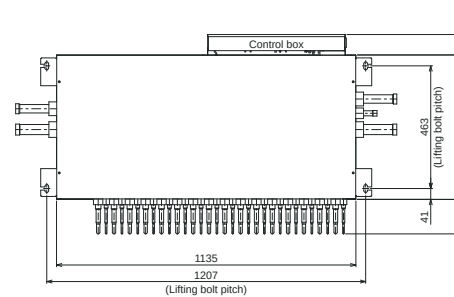


	A	B
CMB-M104V-J1	3	180
CMB-M106V-J1	5	300

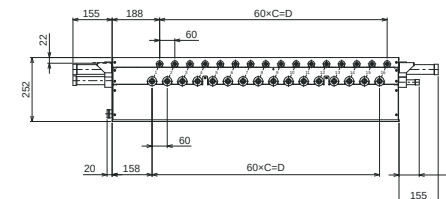
Product Dimensions

CMB-M108/1012/1016V-JA1

Upper View



Side View

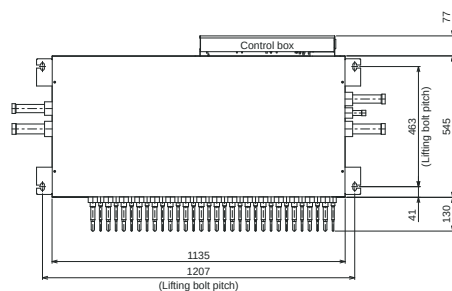


	A	B	C	D
CMB-M108V-JA1	911	983	7	420
CMB-M1012V-JA1	1135	1207	11	660
CMB-M1016V-JA1	1135	1207	15	900

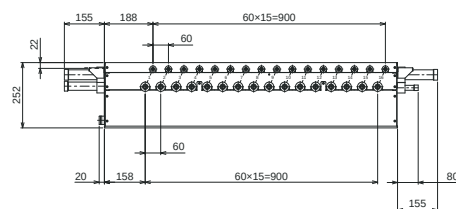
Product Dimensions

CMB-P1016V-KA1

Upper View



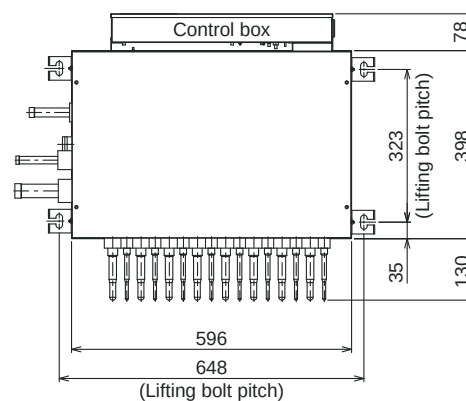
Side View



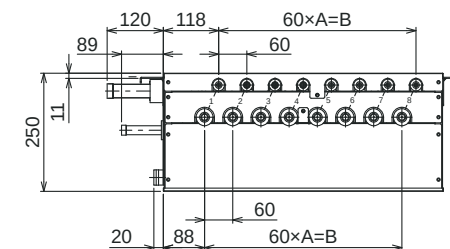
Product Dimensions

CMB-M104/108V-KB1

Upper View



Side View



	A	B
CMB-M104V-KB1	3	180
CMB-M108V-KB1	7	420

BC Controllers With Port Isolation Valves

At the heart of both the R2 and WR2 Series, the BC controller makes simultaneous heating and cooling possible. Improved system efficiency is achieved when energy is transferred intelligently around the building.

Key Features & Benefits

- Allows unique 2-pipe heat recovery application
- Heating and cooling at the same time on smaller systems
- Instructs the heat source unit/outdoor unit on the amount of refrigerant (liquid or gas) that is required to achieve the requested cooling or heating requirements
- Slim profile for more flexible installation
- Easy servicing and maintenance access through underside drain pan
- Brazed connections
- Isolation valves factory-fitted on each port



BC CONTROLLERS with Port Isolation Valves		KS8-CMB-P104V-J	KS8-CMB-P106V-J
NUMBER OF CONNECTIONS		4	6
WEIGHT (KG)		23 + 4.2	27 + 5.9
DIMENSIONS (MM)	Width	596	596
	Depth	495 + 280	495 + 280
	Height	246	246
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
POWER INPUT (KW)		0.085	0.123
RUNNING CURRENT (A)		0.36	0.52
FUSE RATING (BS88) – HRC (A)		6	6
MAINS CABLE NO. CORES		3	3
BC BOX		CMB-P104V-J	CMB-P106V-J

Note: KS8-CMB-P-V-J units are for use with PURY-P200-350YNW-A1, PURY-EP200-350YNW-A1 & PQRY-P200-300YLM-A1 units only.

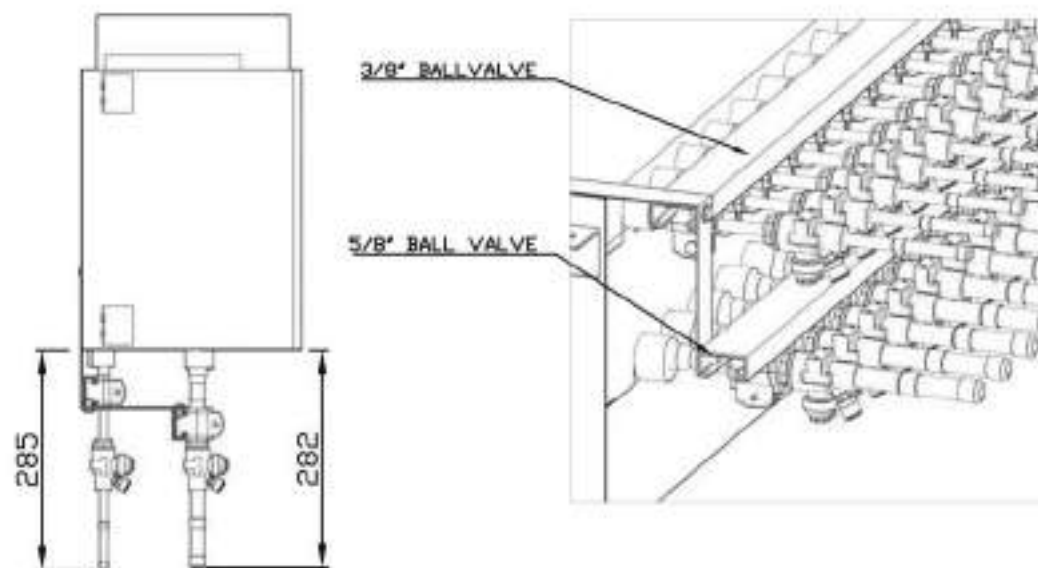
MAIN BC CONTROLLERS with Port Isolation Valves		KS8-CMB-P108V-JA	KS8-CMB-P1012V-JA	KS8-CMB-P1016V-JA	KS8-CMB-P1016V-KA
NUMBER OF CONNECTIONS		8	12	16	16
WEIGHT (KG)		45 + 7.9	55 + 12	63 + 14.5	65 + 14.5
DIMENSIONS (MM)	Width	911	1135	1135	1135
	Depth	639 + 280	639 + 280	639 + 280	639 + 280
	Height	246	246	246	246
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single
POWER INPUT (KW)		0.161	0.236	0.312	0.312
RUNNING CURRENT (A)		0.68	0.99	1.30	1.30
FUSE RATING (BS88) – HRC (A)		6	6	6	6
MAINS CABLE NO. CORES		3	3	3	3
BC BOX		CMB-P108V-JA	CMB-P1012V-JA	CMB-P1016V-JA	CMB-P1016V-KA

Notes: KS8-CMB-P-V-JA units are for use with PURY-P200-900Y(S)NW-A1, PURY-EP200-900Y(S)NW-A1 & PQRY-P200-900Y(S)LM-A1 units only. KS8-CMB-P1016V-KA unit is for use with PURY-P950-1100YNW-A1 & PURY-EP950-1100YSNW-A1 units only.

SUB BC CONTROLLERS with Port Isolation Valves		KS8-CMB-P104V-KB	KS8-CMB-P108V-KB
NUMBER OF CONNECTIONS		4	8
WEIGHT (KG)		21 + 4.2	28 + 7.5
DIMENSIONS (MM)	Width	596	596
	Depth	495 + 280	495 + 280
	Height	246	246
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
POWER INPUT (KW)		0.076	0.135
RUNNING CURRENT (A)		0.32	0.59
FUSE RATING (BS88) – HRC (A)		6	6
MAINS CABLE NO. CORES		3	3
BC BOX		CMB-P104V-KB	CMB-P108V-KB

Notes: Maximum index of 350 allowable on each Sub BC controller. Up to 11 Sub BC controllers connectable to one system.

Side View



BC Controllers

With Port Isolation Valves & Acoustic Jacket

At the heart of both the R2 and WR2 Series, the BC controller makes simultaneous heating and cooling possible. Improved system efficiency is achieved when energy is transferred intelligently around the building.

Key Features & Benefits

- Allows unique 2-pipe heat recovery application
- Heating and cooling at the same time on smaller systems
- Instructs the heat source unit/outdoor unit on the amount of refrigerant (liquid or gas) that is required to achieve the requested cooling or heating requirements
- Slim profile for more flexible installation
- Easy servicing and maintenance access through underside drain pan
- Brazed connections
- Isolation valves factory-fitted on each port
- Up to 5dBA reduction in sound pressure level with acoustic jacket



BC CONTROLLERS		KS8-KS5-SBCAJ-A-CMB-P104V-J	KS8-KS5-SBCAJ-A-CMB-P106V-J
NUMBER OF CONNECTIONS		4	6
WEIGHT (KG)		38.5	44.2
DIMENSIONS (MM)	Width	596	596
	Depth	495 + 280	495 + 280
	Height	246	246
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
POWER INPUT (KW)		0.085	0.123
RUNNING CURRENT (A)		0.36	0.52
FUSE RATING (BS88) – HRC (A)		6	6
MAINS CABLE NO. CORES		3	3
BC BOX		CMB-P104V-J	CMB-P106V-J

Note: For use with PURY-P200-350YNW-A1, PURY-EP200-350YNW-A1 & PQRY-P200-300YLM-A1 units only. These products are made to order, please consult your local sales office for delivery schedule.

MAIN BC CONTROLLERS		KS8-KS5-MBCAJ-A-CMB-P108V-JA	KS8-KS5-LBCAJ-A-CMB-P1012V-JA	KS8-KS5-LBCAJ-A-CMB-P1016V-JA	KS8-KS5-LBCAJ-A-CMB-P1016V-KA
NUMBER OF CONNECTIONS		8	12	16	16
WEIGHT (KG)		66	93.1	104.5	106.5
DIMENSIONS (MM)	Width	911	1135	1135	1135
	Depth	639 + 280	639 + 280	639 + 280	639 + 280
	Height	246	246	246	246
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single
POWER INPUT (KW)		0.161	0.236	0.312	0.312
RUNNING CURRENT (A)		0.68	0.99	1.30	1.30
FUSE RATING (BS88) – HRC (A)		6	6	6	6
MAINS CABLE NO. CORES		3	3	3	3
BC BOX		CMB-P108V-JA	CMB-P1012V-JA	CMB-P1016V-JA	CMB-P1016V-KA

Notes: V-JA units are for use with PURY-P200-900Y(S)INW-A1, PURY-EP200-900Y(S)INW-A1 & PQRY-P200-900Y(S)ILM-A1 units only. V-KA unit is for use with PURY-P950-1100YNW-A1 & PURY-EP950-1100YSNW-A1 units only. These products are made to order, please consult your local sales office for delivery schedule.

SUB BC CONTROLLERS		KS8-KS5-SBCAJ-A-CMB-P104V-KB	KS8-KS5-SBCAJ-A-CMB-P108V-KB
NUMBER OF CONNECTIONS		4	8
WEIGHT (KG)		36.5	50.2
DIMENSIONS (MM)	Width	596	596
	Depth	495 + 280	495 + 280
	Height	246	246
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
POWER INPUT (KW)		0.076	0.135
RUNNING CURRENT (A)		0.32	0.59
FUSE RATING (BS88) – HRC (A)		6	6
MAINS CABLE NO. CORES		3	3
BC BOX		CMB-P104V-KB	CMB-P108V-KB

Notes: Maximum index of 350 allowable on each Sub BC controller. Up to 11 Sub BC controllers connectable to one system. These products are made to order, please consult your local sales office for delivery schedule.



BC Controllers With Acoustic Jacket

At the heart of both the R2 and WR2 Series, the BC controller makes simultaneous heating and cooling possible. Improved system efficiency is achieved when energy is transferred intelligently around the building.

Key Features & Benefits

- Allows unique 2-pipe heat recovery application
- Heating and cooling at the same time on smaller systems
- Instructs the heat source unit/outdoor unit on the amount of refrigerant (liquid or gas) that is required to achieve the requested cooling or heating requirements
- Slim profile for more flexible installation
- Easy servicing and maintenance access through underside drain pan
- Brazed connections
- Isolation valves factory-fitted on each port
- Up to 5dBA reduction in sound pressure level with acoustic jacket



BC CONTROLLERS		KS5-CMB-P104V-J-AL	KS5-CMB-P108V-J-AL
NUMBER OF CONNECTIONS		4	6
WEIGHT (KG)		34.4	38.3
DIMENSIONS (MM)	Width	596	596
	Depth	495	495
	Height	246	246
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
POWER INPUT (KW)		0.085	0.123
RUNNING CURRENT (A)		0.36	0.52
FUSE RATING (BS88) – HRC (A)		6	6
MAINS CABLE NO. CORES		3	3

Notes: For use with PURY-P200-350YNW-A1, PURY-EP200-350YNW-A1 & PQRY-P200-300YLM-A1 units only. These products are made to order, please consult your local sales office for delivery schedule.

MAIN BC CONTROLLERS		KS5-CMB-P108V-JA-AL	KS5-CMB-P1012V-JA-AL	KS5-CMB-P1016V-JA-AL	KS5-CMB-P1016V-KA-AL
NUMBER OF CONNECTIONS		8	12	16	16
WEIGHT (KG)		58.1	82	90	92
DIMENSIONS (MM)	Width	911	1135	1135	1135
	Depth	639	639	639	639
	Height	246	246	246	246
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single
POWER INPUT (KW)		0.161	0.236	0.312	0.312
RUNNING CURRENT (A)		0.68	0.99	1.30	1.30
FUSE RATING (BS88) – HRC (A)		6	6	6	6
MAINS CABLE NO. CORES		3	3	3	3

Notes: V-JA-AL units are for use with PURY-P200-900Y(S)JNW-A1, PURY-EP200-900Y(S)JNW-A1 & PQRY-P200-900Y(S)JLM-A1 units only. V-KA-AL unit is for use with PURY-P950-1100YNW-A1 & PURY-EP950-1100YSNW-A1 units only. These products are made to order, please consult your local sales office for delivery schedule.

SUB BC CONTROLLERS		KS5-CMB-P104V-KB-AL	KS5-CMB-P108V-KB-AL
NUMBER OF CONNECTIONS		4	8
WEIGHT (KG)		34.4	42.3
DIMENSIONS (MM)	Width	596	596
	Depth	495	495
	Height	246	246
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
POWER INPUT (KW)		0.076	0.135
RUNNING CURRENT (A)		0.32	0.59
FUSE RATING (BS88) – HRC (A)		6	6
MAINS CABLE NO. CORES		3	3

Notes: Maximum index of 350 allowable on each Sub BC controller. Up to 11 Sub BC controllers connectable to one system. These products are made to order, please consult your local sales office for delivery schedule.

Refrigerant Detection Systems



KSGD-01S-B



KSGD-01W-B White



KS8-IR16CIF-A



KS8-SSFPA



KSIR-SP01

The refrigerant detection systems are designed to detect air conditioning leaks, with the option of providing pump down of City Multi VRF R2 systems.

These systems help safeguard against refrigerant levels exceeding permitted concentration levels and react effectively in the event of leaks.

Key Features & Benefits

- Enables compliance with BS EN378 – Safety of Building Occupants, critical in hotel applications
- Can help achieve recognition within BREEAM Pollution Prevention Assessment, ideal for assisting in the design of modern, sustainable buildings
- Robust and tested leak detection with pump down option
- Flexible refrigerant gas detection systems - semiconductor or infrared, in standalone or cost effective aspirated panel options
- Pump down panel incorporating all elements required for safety and environmental protection along with ease of installation
- Actuated ball valves to isolate refrigerant on pump down
- Alarm system to alert occupants and staff of any leakages

Semiconductor Refrigerant Leak Detection

	DESCRIPTION	MODEL REF.
Semiconductor Sensor	Semiconductor Stand Alone Refrigerant Detector White	KSGD-01W-B
	Semiconductor Stand Alone Refrigerant Detector Silver	KSGD-01S-B
	Semiconductor Sensor Polished Brass Lacquered	KSGD-01PB-B
	Semiconductor Sensor Forbes & Lomax Painted	KSGD-01FLP-B
	Semiconductor Sensor Forbes & Lomax Antique	KSGD-01FLA-B
	Semiconductor Sensor Forbes & Lomax Polished Nickel	KSGD-01FLPN-B
	Semiconductor Sensor White Inc. 5 Wire	KSGD-01W-B-5W
	Semiconductor Sensor Silver Inc. 5 Wire	KSGD-01S-B-5W
	Transformer 12Vdc Power Supply	KSTR12
	Transformer 24Vdc Power Supply	KSTR24
Semiconductor Sensor Panel	32 Channel System	KS8 RAD32-C
	64 Channel System	KS8 RAD64-B
Room Alarm Indicator	Room Alarm Indicator Satin Stainless Steel	KSRA-SS
	Room Alarm Indicator White Steel	KSRA-WS
	Room Alarm Indicator Polished Brass	KSRA-PB
Semiconductor Large System	KS8-RMI Smart32 Input Card 32 Semiconductor Sensors	KS8-RMI SMART32
	KS8-RMI Smart64 Input Card 64 Semiconductor Sensors	KS8-RMI SMART64
	Semiconductor Sensor Remote Display 256 Sensors	KS8-RMD
	Semiconductor Leak Detector Test Kit	KSGD01-ATK

Infrared Refrigerant Leak Detection

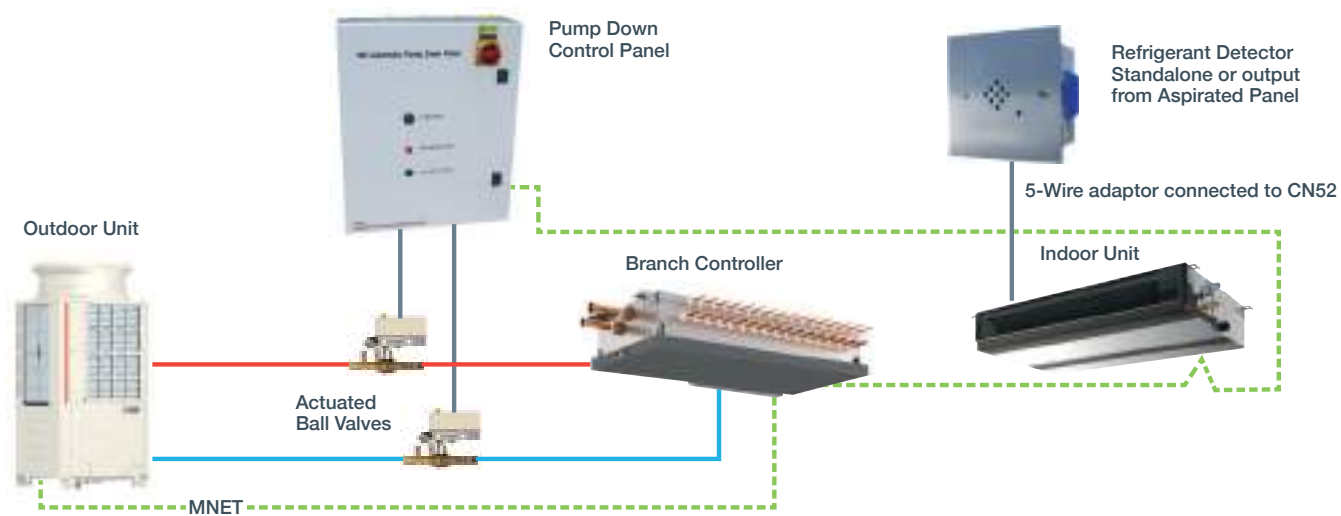
	DESCRIPTION	MODEL REF.
Infrared Stand Alone Sensor	R410A Infrared Stand Alone Refrigerant Detector with Remote Sensor	KSIR-SP01 R410A
	R32 Infrared Stand Alone Refrigerant Detector with Remote Sensor	KSIR-SP01 R32
Infrared Faceplate	Infrared Stand Alone Refrigerant Detector Remote Display	KS8-SP-RDU
Infrared Tubing Ancillaries	Stainless Steel Room Faceplate with Alarm for Aspirated Panel	KS8-SSFPA
	100M Drum Sampling Tube for Aspirated Panel (Black)	KS8-BST100
	250M Drum Sampling Tube for Aspirated Panel (Black)	KS8-BST250
	Sampling Tube Straight Connector for Aspirated Panel	KS8-STSC
	Sampling Tube Two Way Manifold for Aspirated Panel	KS8-ST2M
	Inline Filter for Aspirated Panel	KS8-IF
	End Of Line Filter for Aspirated Panel (Calibration)	KS8-EF
	End Of Line Filter for Aspirated Panel (Calibration) C/W Bracket	KS8-EF C/W BRACKET
Infrared Aspirated Panel	Infrared Aspirated 8 Channel Refrigerant Detector Panel	KS8-IR8CIF-A
	Infrared Aspirated 16 Channel Refrigerant Detector Panel	KS8-IR16CIF-A
	Infrared Aspirated 32 Channel Refrigerant Detector Panel	KS8-IR32CIF-A
	8/16/32 Remote Display Unit	KS8-RDU



KS8-OC1

Pump Down Systems	DESCRIPTION		MODEL REF.
	City Multi Pump Down Control Panels	City Multi R2 Automatic Pump Down Control Panel 1 Outdoor Unit	KS8-OC1
		City Multi R2 Automatic Pump Down Control Panel 2 Outdoor Units	KS8-OC2
		City Multi R2 Automatic Pump Down Control Panel 3 Outdoor Units	KS8-OC3
		City Multi R2 Automatic Pump Down Control Panel 4 Outdoor Units	KS8-OC4
		City Multi R2 Automatic Pump Down Control Panel 5 Outdoor Units	KS8-OC5
		City Multi R2 Automatic Pump Down Control Panel 6 Outdoor Units	KS8-OC6
		City Multi R2 Automatic Pump Down Control Panel 7 Outdoor Units	KS8-OC7
		City Multi R2 Automatic Pump Down Control Panel 8 Outdoor Units	KS8-OC8
	Actuated Ball Valves for Pump Down Operation	5/8" Actuated Ball Valve	KS8-5/8 ABV
		3/4" Actuated Ball Valve	KS8-3/4 ABV
		7/8" Actuated Ball Valve	KS8-7/8 ABV
		1 1/8" Actuated Ball Valve	KS8-1.1/8 ABV
		1 3/8" Actuated Ball Valve	KS8-1.3/8 ABV
		1 5/8" Actuated Ball Valve	KS8-1.5/8 ABV

▼ Installation Example City Multi Pump Down System



It is recommended that system design is completed with your local Mitsubishi Electric Sales Office

Please Note: commissioning is required on pump down systems

City Multi VRF

Accessories /

Optional Extras

DESCRIPTION	MODEL REF.
Outdoor Units	
Twinning kit for PURY-EP/P400-650YSNW-A1	CMY-R100VBK4
Twinning kit for PURY-EP/P700-1100YSNW-A1	CMY-R200VBK4
Twinning kit for PUHY-P400-650YSNW-A1 / PQHY-P400-600YSLM-A1	CMY-Y100VBK3
Twinning kit for PUHY-P700-900YSNW-A1 / PQHY-P650-900YSLM-A1	CMY-Y200VBK2
Twinning kit for PUHY-P950-1350YSNW-A1	CMY-Y300VBK3
Twinning kit for PQRY-P400-600YSLM-A1	CMY-Q100CBK2
Twinning kit for PQRY-P700-900YSLM-A1	CMY-Q200CBK
Fin guard side surfaces S / L modules (2pc) (P200-P450)	PAC-FG01S-E
Fin guard side surfaces XL module (2 pc) (P500/P550)	PAC-FG02S-E
Fin guard rear surface S module (P200-P300)	PAC-FG01B-E
Fin guard rear surface L module (P350-P450)	PAC-FG02B-E
Fin guard rear surface XL module (P500/P550)	PAC-FG03B-E
Branch pipe (joint) for size 200 or below - total capacity of indoor units	CMY-Y102SS-G2
Branch pipe (joint) for size 201-400 - total capacity of indoor units	CMY-Y102LS-G2
Branch pipe (joint) for size 401-650 - total capacity of indoor units or first branch of P400-P650 / EP400-EP600	CMY-Y202S-G2
Branch pipe (joint) for size 651 or above - total capacity of indoor units or first branch of P700-P1250 / EP650-EP900	CMY-Y302S-G2
Branch pipe for 2 branches (PUMY)	CMY-Y62-G-E
Air outlet guide for PUMY-(S)P112-200	PAC-SH96SG-E
Air protect guide for PUMY-(S)P112-200	PAC-SH95AG-E
Drain socket set for PUMY-(S)P112-200	PAC-SG61DS-E
Air outlet guide for PUMY-P250/300	PAC-SK22SG-E
Air protect guide for PUMY-P250/300	PAC-SK21AG-E
Drain socket set for PUMY-P250/300	PAC-SK27DS-E
Differential pressure switch for PQRY-P200-300YLM-A1 / PQHY-P200-300YLM-A1	KS10-EP100S
Ceiling Concealed Ducted Units	
Long life filter for PEFY-P80VMHS-E	PAC-KE88LAF
Long life filter for PEFY-P100-140VMHS-E	PAC-KE89LAF
Long life filter for PEFY-P200-250VMHS-E	PAC-KE85LAF
Filter box for PEFY-P80VMHS-E (necessary when long life filter is used)	PAC-KE99TB
Filter box for PEFY-P100-140VMHS-E (necessary when long life filter is used)	PAC-KE140TB-F
Filter box for PEFY-P200-250VMHS-E (necessary when long life filter is used)	PAC-KE250TB-F
Plasma Quad Connect air purifying device for PEFY-P-VMS1-E / PEFY-M-VMA-A	MAC-100FT-E
Plasma Quad Connect metal fitment for PEFY-P-VMS1-E	PAC-HA11PAR
Plasma Quad Connect metal fitment for PEFY-M-VMA-A	PAC-HA31PAR

City Multi VRF Accessories / Optional Extras

DESCRIPTION	MODEL REF.
4-Way Blow Cassette Units	
Grille for PLFY-P-VFM-E	SLP-2FA
3D i-see sensor grille for PLFY-P-VFM-E	SLP-2FAE
Grille for PLFY-M-VEM-E	PLP-6EA
3D i-see sensor grille for PLFY-M-VEM-E	PLP-6EAE
Self elevating grille for PLFY-M-VEM-E	PLP-6EAJ
Corner panel with i-see sensor for PLFY-M-VEM-E	PAC-SE1ME-E
Corner panel with signal receiver for PLFY-M-VEM-E	PAR-SE9FA-E
Shutter plate for PLFY-M-VEM-E	PAC-SJ37SP-E
Multi-function casement for PLFY-M-VEM-E	PAC-SJ41TM-E
High efficiency filter for PLFY-M-VEM-E (must be used with PAC-SJ41TM-E)	PAC-SH59KF-E
V Blocking air purifying filter for PLFY-M-VEM-E	PAC-SK53KF-E
V Blocking air purifying filter for PLFY-P-VFM-E	PAC-SK54KF-E
Plasma Quad Connect air purifying device (x1) with multi-function casement for PLFY-M-VEM-E	PAC-SK51FT-E
Wall Mounted Units	
Plasma Quad Connect air purifying device for PKFY-P-VLM-E/VKM-E	MAC-100FT-E
BC Controllers	
Joint pipe	CMY-R160-J1
Joint and reducer for connection to Sub BC Controllers (P200-P650 OU)	CMY-R101S-G
Joint and reducer for connection to Sub BC Controllers (P700-P1100 OU)	CMY-R102S-G
Indoor Units	
Remote temperature sensor	PAC-SE41TS-E
Discreet remote temperature sensor	KS9-BS1-A
LEV kit interface	PAC-LV11M
VRF Sanitary Water Heater	
Controller	PAR-W21MAA-J

City Multi Hybrid VRF

The Modern Alternative





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R2 Series Standard (22.4-56kW) 1.6.8

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Indoor Units

PEFY-WP-VMS1-E Ultra Thin Ceiling Concealed Ducted 1.6.12

PEFY-WP-VMA-E Ceiling Concealed Ducted 1.6.14

PLFY-WL-VEM-E 4-Way Blow Ceiling Cassette 1.6.16

PLFY-WL-VFM-E 600x600 4-Way Blow Ceiling Cassette 1.6.18

PFFY-WP-VLRMM-E Floor Standing Concealed 1.6.20

PKFY-WL-VLM-E / VKM-E Wall Mounted 1.6.22

HBC Controllers 1.6.24

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Hybrid VRF (HVRF) - The Modern Alternative

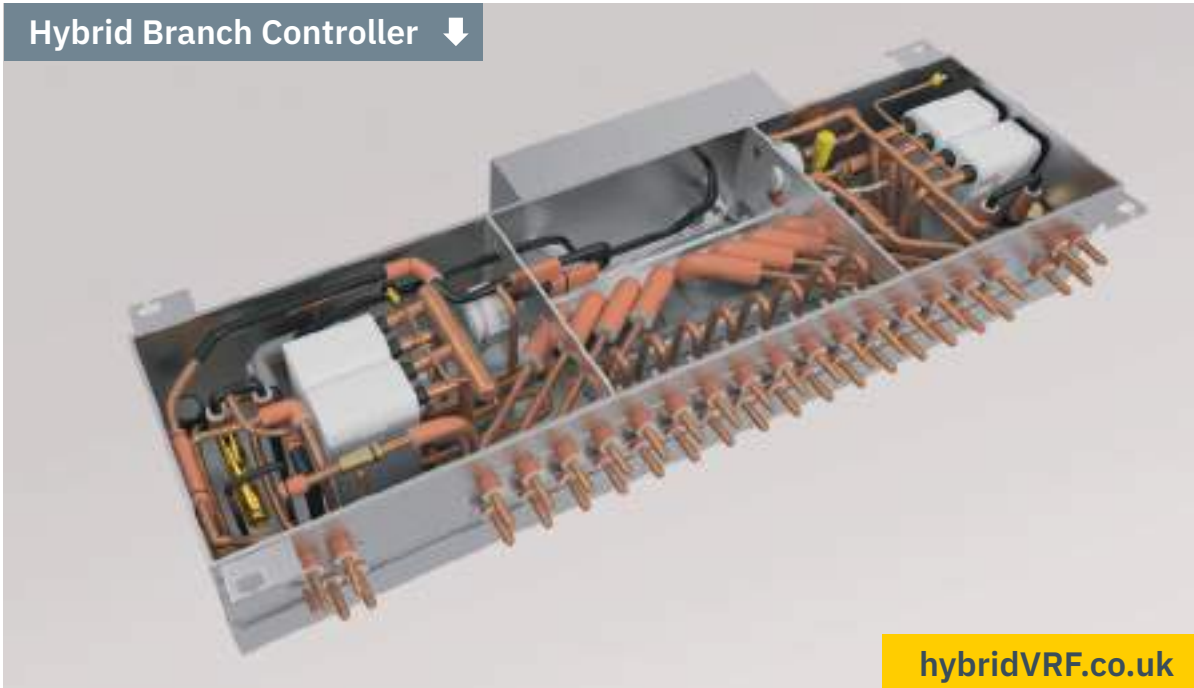
The award-winning City Multi Hybrid VRF is a totally unique 2-pipe heat recovery VRF system, whereby the outdoor unit is connected to a Hybrid Branch Controller (HBC) and water pipework is used between the HBC and indoor units.

You can install and design it as VRF whilst enjoying the features of a Chiller system, providing a complete and modern solution for office buildings, hotels, medical centres, schools, high rise buildings, shopping centres and other commercial premises. Built and assembled in the same factory as our VRF units, it therefore carries City Multi's distinctive DNA in terms of technology, efficiency and reliability.

Hybrid VRF is quick, easy & flexible to design and install using the same control and network as VRF systems. The decentralised system means phased installation is possible with the same high levels of seasonal efficiency expected with VRF.

With water pipework connecting the indoor units, Hybrid VRF provides comfortable and stable air temperature control with no refrigerant in occupied spaces, meaning simple compliance to BS EN378 and removing the need for leak detection.

Hybrid Branch Controller ↓



Outdoor / Condensing Unit Range

		P (kW)	200	250	300	350	400	450	500
			22	28	34	40	45	50	56
Air Cooled	Heat Recovery - R2 Series								
	High Efficiency PURY-EM (YNW)								
Water Cooled	Standard Efficiency PURY-M (YNW)								
	Heat Recovery - WR2 Series								
	PQRY-P (YLM)								

 Small chassis
  Large chassis
  Extra Large chassis

Indoor Unit Range

Model	Range		P	10	15	20	25	32	40	50	63	80
			(kW)	1.2	1.7	2.2	2.8	3.6	4.5	5.6	7.1	9.0
Ceiling Concealed Ducted	PEFY-WP-VMS1-E (Ultra Thin)											
	PEFY-WP-VMA-E											
4-Way Blow Ceiling Cassette	PLFY-WL-VEM-E											
	PLFY-WL-VFM-E (600 x 600)											
Floor Standing	PFFY-WP-VLRMM-E											
Wall Mounted	PKFY-WL-VLM-E / VKM-E											

R2 Series HVRF High Efficiency (22.4-56kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

Delivering outstanding Seasonal Energy Efficiency, the award-winning City Multi R2 Series HVRF High Efficiency system provides simultaneous heating and cooling, with the added benefit of heat recovery. By utilising lower GWP R32 refrigerant, the **PURY-EM** helps businesses achieve their Corporate Social Responsibility targets, as well as future-proof their buildings and equipment.

Key Features & Benefits

- High efficiency system delivers outstanding seasonal energy performance
- Heat recovery achieves energy savings of up to 30% over heat pump systems
- Adjustable noise level options to suit application
- No refrigerant in occupied spaces, removing the need for leak detection under BS EN378
- Decentralised system allows for phased installation - ideal for Cat A to Cat B fit-outs



OUTDOOR UNITS		PURY-EM200YNW-A1	PURY-EM250YNW-A1	PURY-EM300YNW-A1	PURY-EM300YNW-A1 X 2HBC	PURY-EM350YNW-A1	PURY-EM350YNW-A1 X 2HBC	PURY-EM400YNW-A1	PURY-EM450YNW-A1	PURY-EM500YNW-A1
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5	37.5	45.0	45.0	50.0	56.0	63.0
	Cooling (nominal)	22.4	28.0	33.5	33.5	40.0	40.0	45.0	50.0	56.0
	High Performance Heating (UK)	25.0	31.5	37.5	37.5	42.8	42.8	47.5	50.4	58.0
	COP Priority Heating (UK)	22.8	28.7	32.3	32.3	38.7	38.7	43.0	49.3	54.8
	Cooling (UK)	20.1	25.1	30.0	30.0	35.8	35.8	40.3	44.8	50.1
POWER INPUT (kW)	Heating (nominal)	6.23	8.84	10.46	9.93	13.10	12.16	13.88	15.77	17.45
	Cooling (nominal)	5.13	7.69	10.03	8.52	13.91	11.33	13.84	15.24	18.06
	High Performance Heating (UK)	7.54	10.70	14.33	13.60	17.95	16.66	16.10	18.29	20.24
	COP Priority Heating (UK)	6.23	8.84	10.46	9.93	13.10	12.16	13.46	15.30	16.93
	Cooling (UK)	2.98	4.46	5.82	4.94	8.07	6.57	8.87	9.77	11.58
COP / EER (nominal)		4.01 / 4.36	3.56 / 3.64	3.58 / 3.33	3.77 / 3.93	3.43 / 2.87	3.70 / 3.53	3.60 / 3.25	3.55 / 3.28	3.61 / 3.10
MAX No. OF CONNECTABLE INDOOR UNITS		30	37	45	45	35	35	40	45	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	50-150% OU Capacity	50-150% OU Capacity	50-150% OU Capacity
AIRFLOW (m³/min)		170	185	240	240	250	250	315	315	295
PIPE SIZE mm (in)	Gas	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	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	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")
SOUND PRESSURE LEVEL (dBA) Heating / Cooling		59.0 / 59.0	61.0 / 60.5	67.0 / 61.0	67.0 / 61.0	64.0 / 62.5	64.0 / 62.5	69.0 / 65.0	70.0 / 65.5	64.5 / 63.5
SOUND POWER LEVEL (dBA) Heating / Cooling		78.0 / 76.0	80.0 / 78.5	86.5 / 80.0	86.5 / 80.0	83.0 / 81.0	83.0 / 81.0	88.0 / 83.0	89.0 / 83.0	84.0 / 82.0
WEIGHT (kg)		231	231	231	231	276	276	280	305	348
DIMENSIONS (mm)	Width	920	920	920	920	1240	1240	1240	1240	1750
	Depth	740	740	740	740	740	740	740	740	740
	Height (1798mm without legs)	1858	1858	1858	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	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE*1		Three	Three	Three	Three	Three	Three	Three	Three	Three
STARTING CURRENT (A)*1		8	8	8	8	8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A)*1 Heating/Cooling [MAX]		9.9 / 8.2 [16.1]	14.1 / 12.3 [21.8]	16.7 / 16.0 [23.9]	15.9 / 13.6 [23.9]	21.0 / 22.3 [30.0]	19.5 / 18.1 [30.0]	22.2 / 22.1 [35.9]	25.2 / 24.4 [36.9]	27.9 / 28.9 [46.9]
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	-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 32	1 x 32	1 x 40	1 x 40	1 x 50
MAINS CABLE No. Cores*1		4	4	4	4	4	4	4	4	4
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R32 (GWP 675)		5.2 / 3.5	5.2 / 3.5	5.2 / 3.5	5.2 / 3.5	8 / 5.4	8 / 5.4	8 / 5.4	10.8 / 7.3	10.8 / 7.3
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R32 (GWP 675)		13.5 / 9.1	13.5 / 9.1	15.5 / 10.5	15.5 / 10.5	15.5 / 10.5	15.5 / 10.5	19.5 / 13.2	19.5 / 13.2	19.5 / 13.2

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

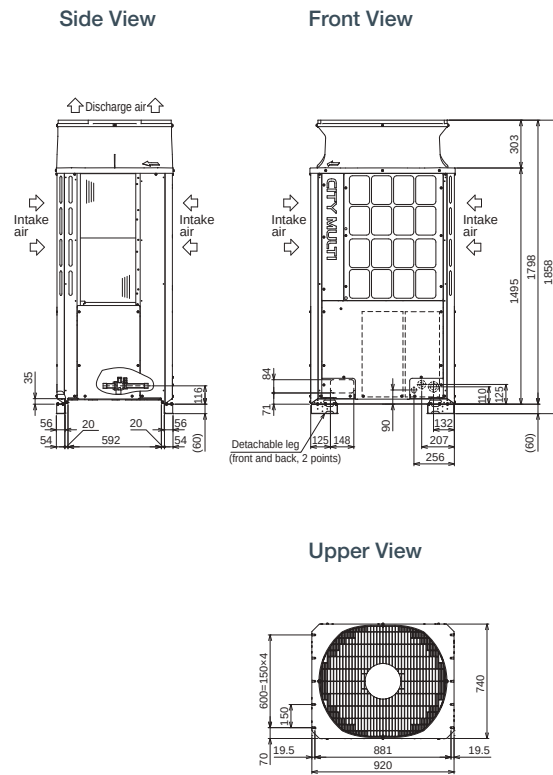
*1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules. Specification subject to change.

R410A equivalent systems are also available - please contact your local sales office for further information.



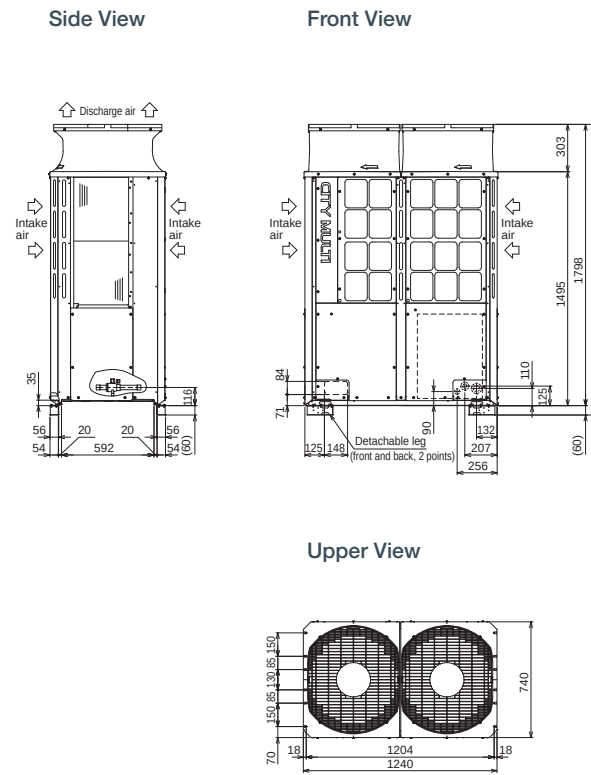
Product Dimensions

PURY-EM200/250/300YNW-A1



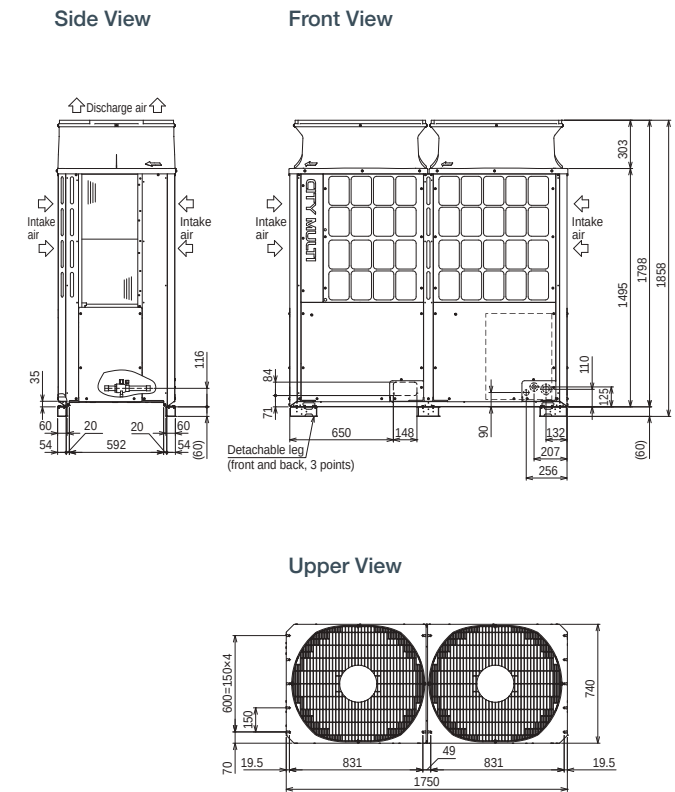
Product Dimensions

PURY-EM350/400/450YNW-A1



Product Dimensions

PURY-EM500YNW-A1



R2 Series HVRF Standard Efficiency (22.4-56kW)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

The award-winning City Multi R2 Series HVRF Heat Recovery system meets the demand for simultaneous heating and cooling, with the added benefit of heat recovery. By utilising lower GWP R32 refrigerant, the **PURY-M** helps businesses achieve their Corporate Social Responsibility targets, as well as future-proof their buildings and equipment.

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
- Adjustable noise level options to suit application
- No refrigerant in occupied spaces, removing the need for leak detection under BS EN378
- Decentralised system allows for phased installation - ideal for Cat A to Cat B fit-outs



OUTDOOR UNITS		PURY-M200YNW-A1	PURY-M250YNW-A1	PURY-M300YNW-A1	PURY-M300YNW-A1 X 2HBC	PURY-M350YNW-A1	PURY-M350YNW-A1 X 2HBC	PURY-M400YNW-A1	PURY-M450YNW-A1	PURY-M500YNW-A1
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5	37.5	45.0	45.0	45.0	56.0	63.0
	Cooling (nominal)	22.4	28.0	33.5	33.5	40.0	40.0	45.0	50.0	56.0
	High Performance Heating (UK)	25.0	31.5	37.5	37.5	42.8	42.8	42.8	50.4	58.0
	COP Priority Heating (UK)	22.8	28.7	32.3	32.3	38.7	38.7	38.7	49.3	54.8
	Cooling (UK)	20.1	25.1	30.0	30.0	35.8	35.8	40.3	44.8	50.1
POWER INPUT (kW)	Heating (nominal)	6.39	9.15	11.00	10.33	13.14	12.16	14.08	16.18	18.26
	Cooling (nominal)	5.53	8.40	11.65	9.88	14.93	12.15	15.15	15.47	22.25
	High Performance Heating (UK)	7.73	11.07	15.07	14.15	18.00	16.66	16.33	18.77	21.18
	COP Priority Heating (UK)	6.39	9.15	11.00	10.33	13.14	12.16	13.66	15.69	17.71
	Cooling (UK)	3.21	4.87	6.76	5.73	8.66	7.05	9.71	9.92	14.26
COP / EER (nominal)		3.91 / 4.05	3.44 / 3.33	3.40 / 2.87	3.63 / 3.39	3.42 / 2.67	3.70 / 3.29	3.55 / 2.97	3.46 / 3.23	3.45 / 2.51
MAX No. OF CONNECTABLE INDOOR UNITS		30	37	45	45	35	35	40	45	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	50-150% OU Capacity	50-150% OU Capacity	50-150% OU Capacity
AIRFLOW (m³/min)	High	170	185	240	240	250	250	315	315	295
	Gas	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	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")
PIPE SIZE mm (in)	Liquid	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")
SOUND PRESSURE LEVEL (dBA)	Heating / Cooling	59.0 / 59.0	61.0 / 60.5	67.0 / 61.0	67.0 / 61.0	64.0 / 62.5	64.0 / 62.5	69.0 / 65.0	70.0 / 65.5	64.5 / 63.5
SOUND POWER LEVEL (dBA)	Heating / Cooling	78.0 / 76.0	80.0 / 78.5	86.5 / 80.0	86.5 / 80.0	83.0 / 81.0	83.0 / 81.0	88.0 / 83.0	89.0 / 83.0	84.0 / 82.0
WEIGHT (kg)		227	227	227	227	270	270	273	293	337
DIMENSIONS (mm)	Width	920	920	920	920	1240	1240	1240	1240	1750
	Depth	740	740	740	740	740	740	740	740	740
	Height	1858	1858	1858	1858	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	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE*1		Three	Three	Three	Three	Three	Three	Three	Three	Three
STARTING CURRENT (A)*1		8	8	8	8	8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A)*1 Heating/Cooling [MAX]		10.2 / 8.8 [16.1]	14.6 / 13.4 [22.5]	17.6 / 18.6 [25.6]	16.5 / 15.8 [25.6]	21.0 / 23.9 [31.6]	19.5 / 19.4 [31.6]	22.5 / 24.2 [39.3]	25.9 / 24.8 [40.2]	29.2 / 35.6 [56.6]
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	-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 32	1 x 32	1 x 32	1 x 32	1 x 40	1 x 50	1 x 63
MAINS CABLE No. Cores*1		4	4	4	4	4	4	4	4	4
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R32 (GWP 675)		5.2 / 3.5	5.2 / 3.5	5.2 / 3.5	5.2 / 3.5	8 / 5.4	8 / 5.4	8 / 5.4	10.8 / 7.3	10.8 / 7.3
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R32 (GWP 675)		13.5 / 9.1	13.5 / 9.1	15.5 / 10.5	15.5 / 10.5	15.5 / 10.5	15.5 / 10.5	19.5 / 13.2	19.5 / 13.2	19.5 / 13.2

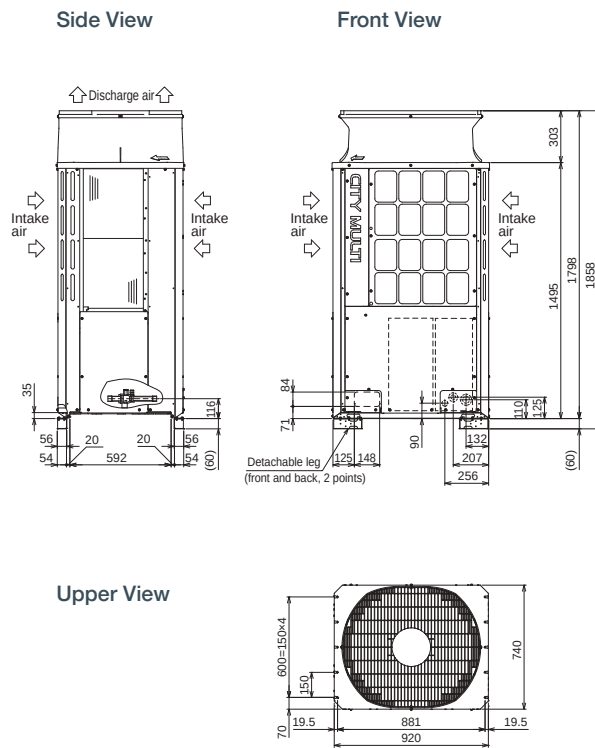
Notes: *SEER/SCOP available separately in the 'City Multi HVRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

*1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules. Specification subject to change. R410A equivalent systems are also available - please contact your local sales office for further information.



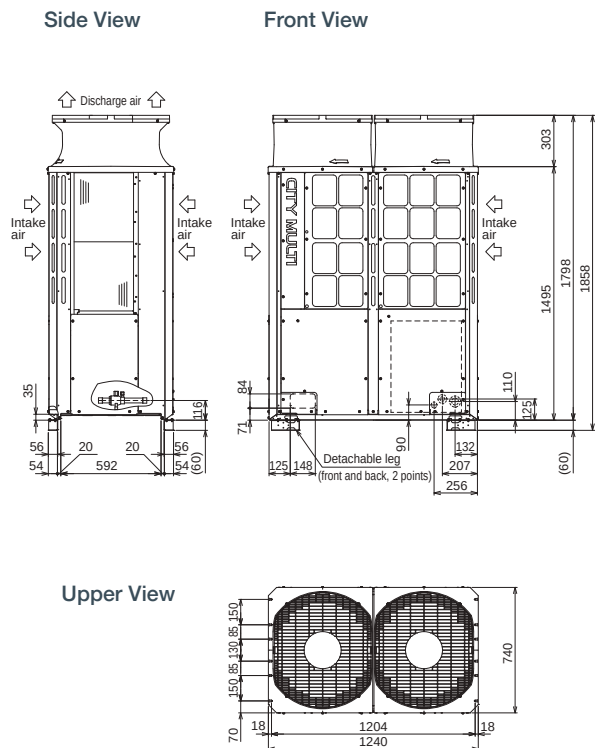
Product Dimensions

PURY-M200/250/300YNW-A1



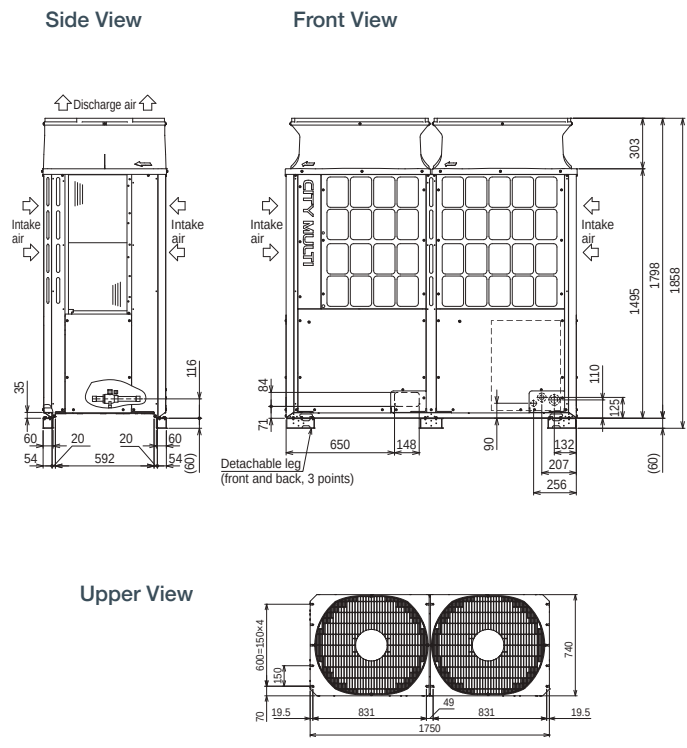
Product Dimensions

PURY-M350/400/450YNW-A1



Product Dimensions

PURY-M500YNW-A1



WR2 Series HVRF (22.4-56kW)

**Simultaneous Heating and Cooling
with Double Heat Recovery,
Water Cooled Condensing Unit**

The City Multi **WR2** Series HVRF Heat Recovery system is ideal where a water loop is available and outdoor space is limited. These models utilise water instead of air as the energy transfer medium, and benefit from all of the same technology and flexibility as air sourced VRF systems. City Multi WR2 systems provide the ultimate solution for a breadth of applications requiring simultaneous heating and cooling, including hotels, offices, leisure, retail and high-end residential.

Key Features & Benefits

- High efficiency, modular systems, with ability to recover energy between units on the water circuit, in either a closed or open loop building, or ground source application
- Able to utilise waste heat from commercial sources such as server cooling, or renewable heat from landlord loops, rivers, lakes or geothermal sources
- Very low impact footprint and service space requirements, ideal for internal location
- Provides continuous heating in winter, without the need for defrost operation



CONDENSING UNITS		PQRY-P 200YLM-A1	PQRY- P250YLM-A1	PQRY- P300YLM-A1	PQRY-P300YLM-A1 (2 X MAIN)	PQRY- P350YLM-A1	PQRY-P350YLM-A1 (2 X MAIN)	PQRY- P400YLM-A1	PQRY- P450YLM-A1	PQRY- P500YLM-A1
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5	37.5	45.0	45.0	50.0	56.0	63.0
	Cooling (nominal)	22.4	28.0	33.5	33.5	40.0	40.0	45.0	50.0	56.0
POWER INPUT (kW)	Heating (nominal)	4.04	5.41	7.13	6.79	8.87	8.25	9.45	11.11	13.07
	Cooling (nominal)	3.97	5.44	7.55	6.71	9.98	8.72	10.05	12.05	14.58
OPERATING WATER VOLUME (m³/h)		3.0 ~ 7.2	3.0 ~ 7.2	3.0 ~ 7.2	3.0 ~ 7.2	4.5 ~ 11.6	4.5 ~ 11.6	4.5 ~ 11.6	4.5 ~ 11.6	4.5 ~ 11.6
GUARANTEED OPERATING RANGE (°C) Heating / Cooling		-5~45 / -5~45	10~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45	-5~45 / -5~45
COP / EER (nominal)		6.18 / 5.64	5.82 / 5.14	5.25 / 4.43	5.52 / 4.99	5.07 / 4.00	5.45 / 4.58	5.29 / 4.47	5.04 / 4.14	4.82 / 3.84
MAX NO. OF CONNECTABLE INDOOR UNITS		20	25	30	30	35	35	40	45	50
MAX CONNECTABLE CAPACITY		50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%	50 ~ 150%
PIPE SIZE mm (in)	Gas	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	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	15.88 (5/8")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")
SOUND PRESSURE LEVEL (dBA)		46	48	54	54	52	52	52	54	54
SOUND POWER LEVEL (dBA)		60	62	68	68	66	66	66	70	70.5
WEIGHT (kg)		172	172	172	172	216	216	216	216	216
DIMENSIONS (mm)	Width	880	880	880	880	880	880	880	880	880
	Depth	550	550	550	550	550	550	550	550	550
	Height	1100	1100	1100	1100	1450	1450	1450	1450	1450
ELECTRICAL SUPPLY*1		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	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	Three	Three	Three
STARTING CURRENT (A)		8	8	8	8	8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A)*1 Heating / Cooling [MAX]		6.1 / 5.7 [16.1]	7.8 / 7.5 [16.1]	9.6 / 9.3 [18.6]	9.6 / 9.3 [18.6]	11.6 / 11.0 [23.1]	11.6 / 11.0 [23.1]	12.9 / 12.4 [27.6]	15.1 / 14.3 [32.9]	17.6 / 17.2 [39.2]
FUSE RATING (BS88) - HRC (A)*1		1 x 20	1 x 20	1 x 20	1 x 20	1 x 25	1 x 25	1 x 32	1 x 40	1 x 40
MAINS CABLE No. Cores*1		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)		5.0 / 10.4	5.0 / 10.4	5.0 / 10.4	5.0 / 10.4	6.0 / 12.5	6.0 / 12.5	6.0 / 12.5	6.0 / 12.5	6.0 / 12.5
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		27.0 / 56.4	32.0 / 66.8	33.0 / 68.9	33.0 / 68.9	52.0 / 108.6	52.0 / 108.6	52.0 / 108.6	53.0 / 110.7	55.0 / 114.8

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

PQRY-P-YLM-A1 units are not compatible with CMB-WM350/500F-AA vertical HBC controllers.

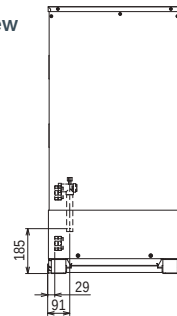
*1 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.



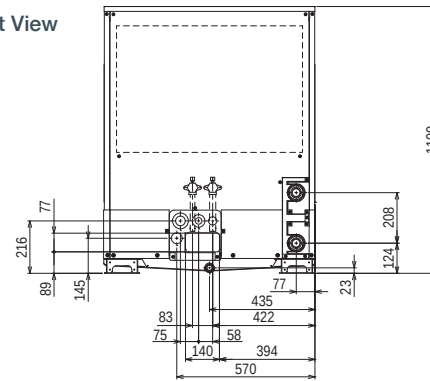
Product Dimensions

PQRY-P200/250/300YLM-A1

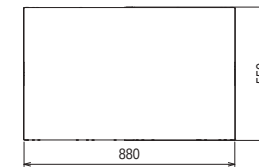
Side View



Front View



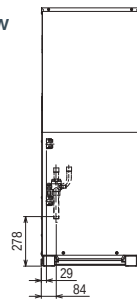
Upper View



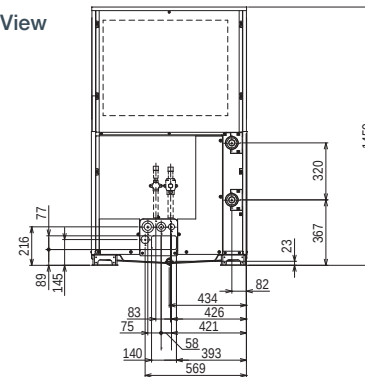
Product Dimensions

PQRY-P350/400/450/500YLM-A1

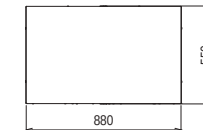
Side View



Front View



Upper View



PEFY-WP-VMS1-E

Ultra Thin Ceiling Concealed Ducted Indoor Unit

The **PEFY-WP-VMS1-E** ceiling concealed ducted indoor unit connects to the Hybrid Branch Controller and uses water as the heat transfer medium. It has been designed with an ultra thin, slimline body, specifically for applications where ceiling void space is limited. With an extremely quiet operation, these units are ideal for applications such as hotel rooms.

Key Features & Benefits

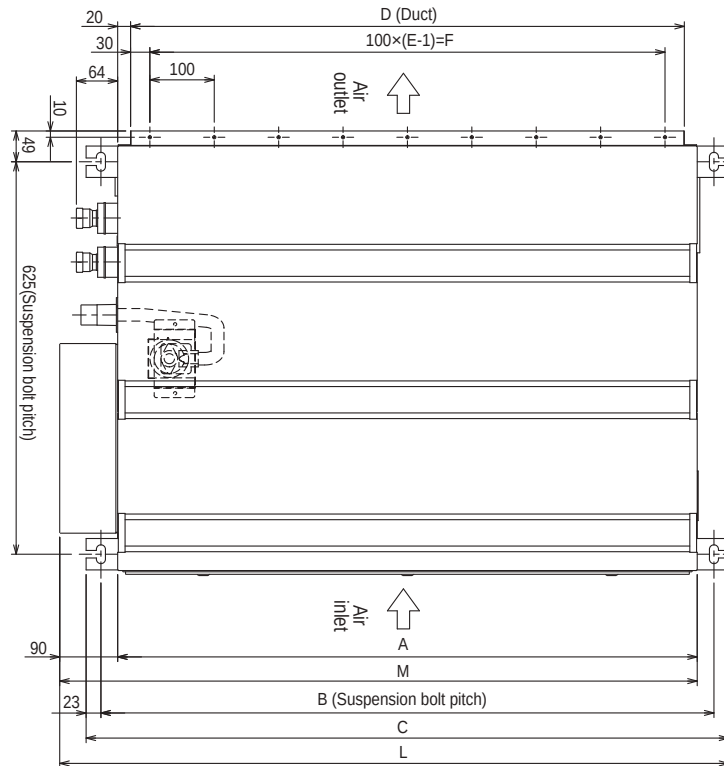
- Ultra thin body allowing installation in smaller spaces - height of only 200mm & width of only 790mm (size WP10-25)
- Extremely quiet operation for minimal disturbance - as low as 22dBA (size WP10-20)
- External static pressure of 5-50Pa, allowing flexibility of design and application
- Available in 1.1 and 1.5kW sizes, which are ideal for hotel rooms
- No refrigerant in occupied spaces, removing the need for leak detection under BS EN378
- Higher air off temperatures than standard VRF, allowing for improved comfort levels
- Compatible with Plasma Quad Connect - an innovative, bolt-on air purifying device which neutralises viruses, bacteria, allergens, PM2.5, mould and dust. For more information, please refer to page 1.1.7



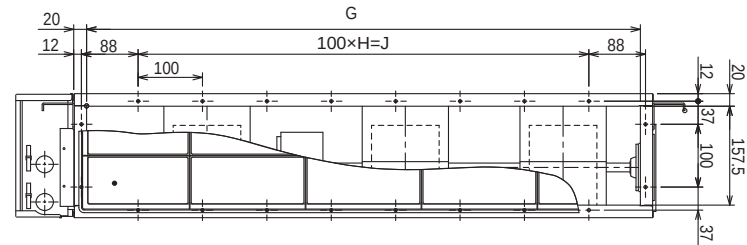
INDOOR UNITS		PEFY-WP10VMS1-E	PEFY-WP15VMS1-E	PEFY-WP20VMS1-E	PEFY-WP25VMS1-E	PEFY-WP32VMS1-E	PEFY-WP40VMS1-E	PEFY-WP50VMS1-E
CAPACITY (kW)	Heating (nominal)	1.4	1.9	2.5	3.2	4.0	5.0	6.3
	Cooling (nominal)	1.2	1.7	2.2	2.8	3.6	4.5	5.6
	UK Heating	1.4	1.9	2.5	3.2	4.0	5.0	6.3
	UK Total Cooling - Hi (Sensible)	1.10 (1.00)	1.50 (1.50)	2.00 (1.70)	2.50 (2.00)	3.20 (2.70)	4.00 (3.20)	5.00 (4.00)
	UK Total Cooling - M2	-	-	-	-	-	-	-
	UK Total Cooling - M1	1.07	1.44	1.89	2.32	3.03	3.82	4.78
POWER INPUT (kW)	UK Total Cooling - Lo	1.03	1.34	1.76	2.08	2.88	3.61	4.51
	Heating (nominal)	0.03	0.03	0.03	0.04	0.05	0.07	0.07
AIRFLOW (l/s)	Cooling (nominal)	0.03	0.05	0.05	0.06	0.07	0.09	0.09
	Lo-Mi-Hi	67-75-83	83-100-117	92-108-133	92-117-150	133-150-183	158-183-217	200-233-275
EXTERNAL STATIC PRESSURE (Pa)		5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50
SOUND PRESSURE LEVEL (dBA) Lo-Mi-Hi		22-23-25	22-24-28	22-25-29	23-26-30	28-30-33	30-32-35	30-33-36
WEIGHT (kg)		19	19	20	20	25	25	27
DIMENSIONS (mm)	Width	790	790	790	790	990	990	1190
	Depth	700	700	700	700	700	700	700
	Height	200	200	200	200	200	200	200
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A) Heating / Cooling		0.33 / 0.21	0.33 / 0.44	0.38 / 0.49	0.40 / 0.51	0.50 / 0.61	0.62 / 0.73	0.66 / 0.77
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6
MAINS CABLE No. Cores		3	3	3	3	3	3	3
WATER PIPE CONNECTION		3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW

Note: HVRF indoor units can only be configured with the CMB-WM HBC (HVRF) and PURY-(E)M YNW-A1 or PORY-P YLM-A1 outdoor units.

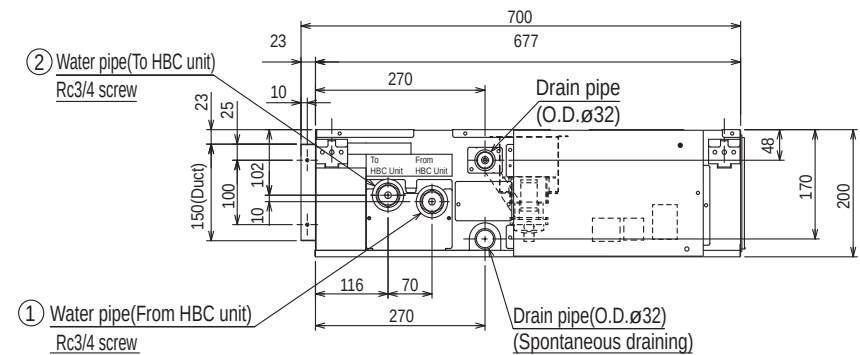
Upper View



Front View



Side View



Model	A	B	C	D	E	F	G	H	J	K	L	M	① Water pipe (From HBC unit)	② Water pipe (To HBC unit)
PEFY-WP10VMS1-E	700	752	798	660	7	600	660	5	500	16	839	790	Rc3/4 screw	
PEFY-WP15VMS1-E														
PEFY-WP20VMS1-E														
PEFY-WP25VMS1-E														
PEFY-WP32VMS1-E														
PEFY-WP40VMS1-E	900	952	998	860	9	800	860	7	700	20	1039	990		
PEFY-WP50VMS1-E	1100	1152	1198	1060	11	1000	1060	9	900	24	1239	1190		

PEFY-WP-VMA-E

Ceiling Concealed Ducted Indoor Unit

The **PEFY-WP-VMA-E** low-height ducted indoor unit is concealed within the ceiling space and connects to the Hybrid Branch Controller, using water as the heat transfer medium. Offering unobtrusive air conditioning, the flexibility of duct layout allows airflow patterns to be arranged to suit any application.

Key Features & Benefits

- Low height allowing installation in smaller spaces - only 250mm
- Centrifugal fan minimises noise levels to as low as 23dBA (sizes 20-25) for minimal disturbance
- Wide range of external static pressure settings across entire range (35-150Pa) offers flexibility of application
- Drain pump included as standard
- CN105 connector available - connect to MELCOBEMS MINI for simple BEMS interfacing
- No refrigerant in occupied spaces, removing the need for leak detection under BS EN378
- Higher air off temperatures than standard VRF, allowing for improved comfort levels
- Compatible with Plasma Quad Connect - an innovative, bolt-on air purifying device which neutralises viruses, bacteria, allergens, PM2.5, mould and dust. For more information, please refer to page 1.1.7

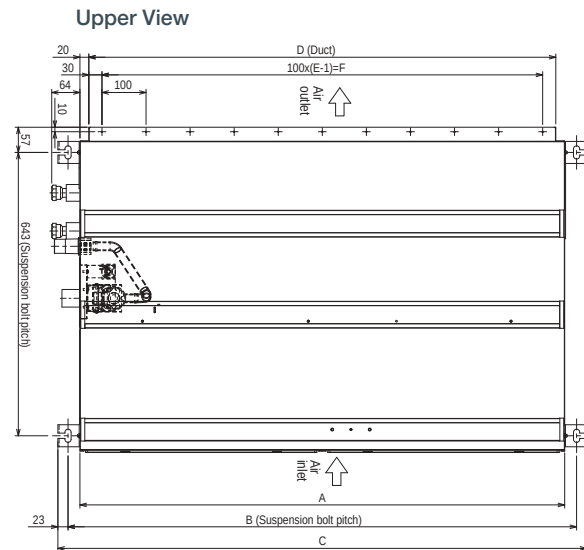


INDOOR UNITS		PEFY-WP20VMA-E	PEFY-WP25VMA-E	PEFY-WP32VMA-E	PEFY-WP40VMA-E	PEFY-WP50VMA-E	PEFY-WP63VMA-E	PEFY-WP80VMA-E
CAPACITY (kW)	Heating (nominal)	2.5	3.2	4.0	5.0	6.3	8.0	10.0
	Cooling (nominal)	2.2	2.8	3.6	4.5	5.6	7.1	9.0
	UK Heating	2.5	3.2	4.0	5.0	6.3	8.0	10.0
	UK Total Cooling - Hi (Sensible)	2.00 (1.80)	2.50 (2.50)	3.20 (3.00)	4.00 (3.80)	5.00 (4.20)	6.40 (5.10)	8.10 (7.20)
	UK Total Cooling - Mi2	-	-	-	-	-	-	-
	UK Total Cooling - Mi1	1.92	2.40	3.07	3.84	4.80	6.15	7.76
POWER INPUT (kW)	UK Total Cooling - Lo	1.79	2.24	2.85	3.53	4.41	5.64	7.17
	Heating (nominal)	0.05	0.07	0.9	0.12	0.12	0.12	0.22
AIRFLOW (l/s)	Cooling (nominal)	0.07	0.09	0.11	0.14	0.14	0.14	0.24
	Lo-Mi-Hi	125-150-175	167-200-233	200-242-283	242-300-350	242-300-350	242-300-350	383-467-550
EXTERNAL STATIC PRESSURE (Pa)		35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150
SOUND PRESSURE LEVEL (dBA) (50Pa) Lo-Mi-Hi		23-26-29	23-27-30	25-29-32	26-29-34	26-29-34	26-29-34	28-33-37
WEIGHT (kg)		21	26	26	31	31	31	40
DIMENSIONS (mm)	Width	700	900	900	1100	1100	1100	1400
	Depth	732	732	732	732	732	732	732
	Height	250	250	250	250	250	250	250
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A) Heating / Cooling		0.44 / 0.55	0.53 / 0.64	0.63 / 0.74	1.04 / 1.15	1.04 / 1.15	1.04 / 1.15	1.36 / 1.47
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6
MAINS CABLE No. Cores		3	3	3	3	3	3	3
WATER PIPE CONNECTION		3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	1 1/4" BSP SCREW	1 1/4" BSP SCREW

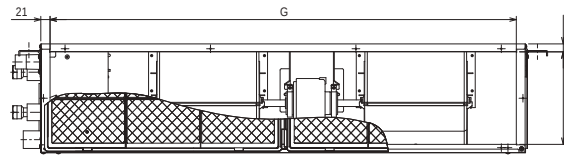
Note: HVRF indoor units can only be configured with the CMB-WM HBC (HVRF) and PURY-(EM YNW-A1 or PQRY-P YLM-A1 outdoor units.

Product Dimensions

PEFY-WP20/25/32/40/50VMA-E

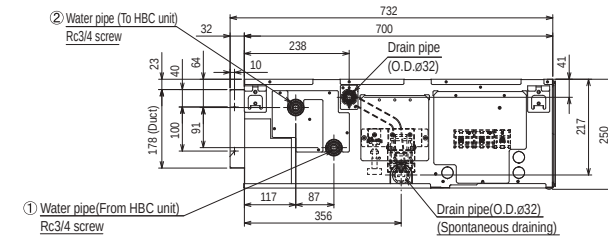


Front View



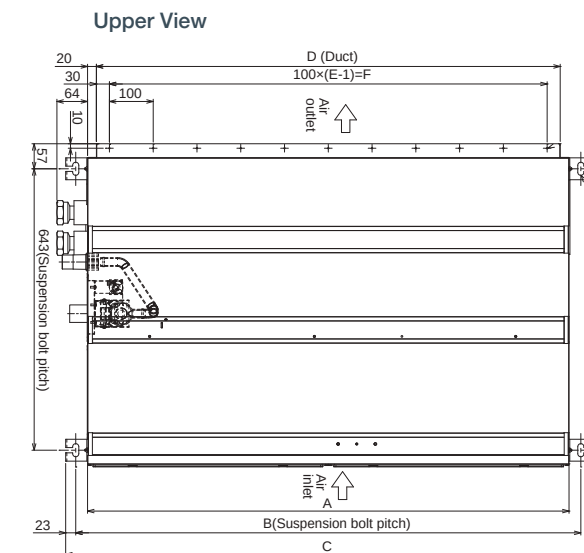
Model	A	B	C	D	E	F	G	① Water pipe (From HBC unit)	② Water pipe (To HBC unit)
PEFY-WP20VMA-E	700	754	800	660	7	600	658	Rc3/4 screw	
PEFY-WP25,32VMA-E	900	954	1000	860	9	800	858		
PEFY-WP40,50VMA-E	1100	1154	1200	1060	11	1000	1058		

Side View

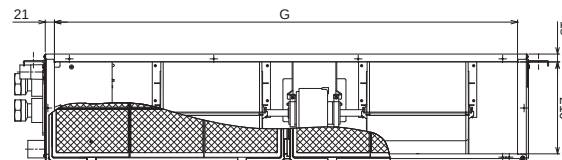


Product Dimensions

PEFY-WP63/80VMA-E

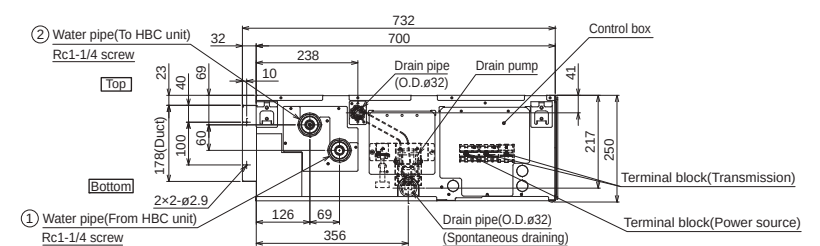


Front View



Model	A	B	C	D	E	F	G	① Water pipe (From HBC unit)	② Water pipe (To HBC unit)
PEFY-WP63VMA-E	1100	1154	1200	1060	11	1000	1058	Rc1-1/4 screw	
PEFY-WP80VMA-E	1400	1454	1500	1360	14	1300	1358		

Side View



PLFY-WL-VEM-E

4-Way Blow Ceiling Cassette Indoor Unit

The **PLFY-WL-VEM-E** ceiling cassette unit connects to the Hybrid Branch Controller and uses water as the heat transfer medium. Offering 72 different airflow patterns, with the ability to handle a multitude of ceiling applications up to 4.2 metres in height, the easy to install, slimline unit is ideal for maintaining constant temperatures, thanks to adjustable vanes that allow users to precisely direct air where it's needed.

Key Features & Benefits

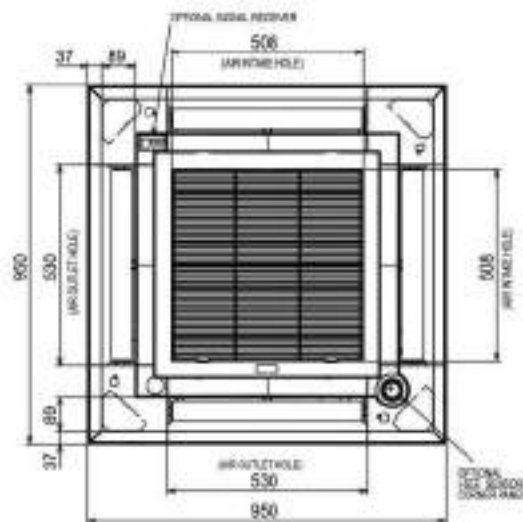
- Enhanced airflow control through directional vanes
- Optional 3D i-see sensor grille (PLP-6EAE) provides customised comfort by automatically monitoring room occupancy, position and body temperatures
- Optional filter lowering operation down to 4m (PLP-6EAJ), allowing for easier maintenance
- No refrigerant in occupied spaces, removing the need for leak detection under BS EN378
- Higher air off temperatures than standard VRF, allowing for improved comfort levels
- Optional V Blocking filter provides in-room air purification, neutralising viruses, allergens, dust and mould
- Compatible with Plasma Quad Connect - an innovative, bolt-on air purifying device which neutralises viruses, bacteria, allergens, PM2.5, mould and dust. For more information, please refer to page 1.1.7



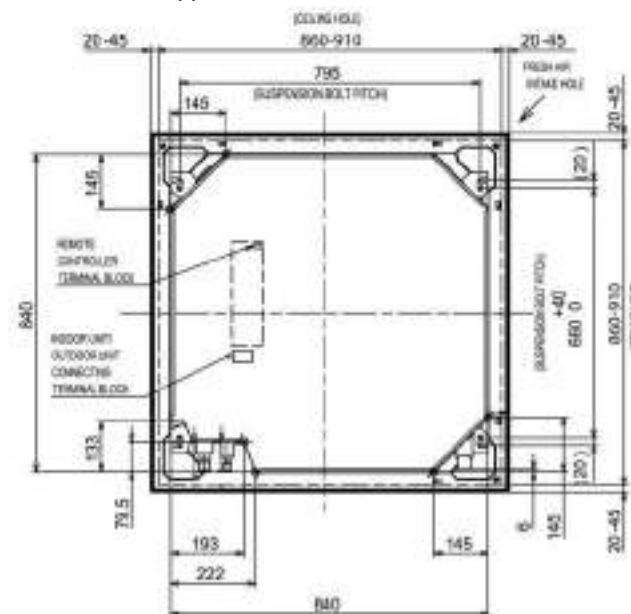
INDOOR UNITS		PLFY-WL32VEM-E	PLFY-WL40VEM-E	PLFY-WL50VEM-E	PLFY-WL63VEM-E	PLFY-WL80VEM-E
CAPACITY (kW)	Heating (nominal)	4.0	5.0	6.3	8.0	10.0
	Cooling (nominal)	3.6	4.5	5.6	7.1	9.0
	UK Heating	4.0	5.0	6.3	8.0	10.0
	UK Total Cooling - Hi (Sensible)	3.20 (3.20)	4.00 (3.60)	5.00 (4.20)	6.4 (5.0)	8.1 (6.1)
	UK Total Cooling - Mi2	3.16	3.95	4.87	6.26	7.94
	UK Total Cooling - Mi1	3.09	3.87	4.66	6.02	7.53
POWER INPUT (kW)	UK Total Cooling - Lo	3.02	3.77	4.39	5.73	6.95
	Heating (nominal)	0.03	0.03	0.04	0.04	0.05
	Cooling (nominal)	0.03	0.03	0.04	0.05	0.05
AIRFLOW (l/s)	Lo-Mi1-Mi2-Hi	233-250-267-283	233-250-267-283	233-267-300-333	250-283-317-350	250-300-350-383
SOUND PRESSURE LEVEL (dBA)	Lo-Mi1-Mi2-Hi	26-27-29-30	26-28-29-31	27-29-31-33	27-29-31-33	27-30-33-35
WEIGHT (kg)		20	20	20	23	23
DIMENSIONS (mm)	Width (Grille)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)
	Depth (Grille)	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)
	Height (Grille)	258 (40)	258 (40)	258 (40)	298 (40)	298 (40)
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50/60Hz	220-240v, 50/60Hz
PHASE		Single	Single	Single	Single	Single
RUNNING CURRENT (A)	Heating / Cooling	0.27 / 0.33	0.29 / 0.35	0.34 / 0.40	0.34 / 0.40	0.40 / 0.46
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6
MAINS CABLE No. Cores		3	3	3	3	3
GRILLE MODEL REFERENCE		PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA
WATER PIPE CONNECTION		20mm I.D	20mm I.D	20mm I.D	22 mm (O.D)	22 mm (O.D)

Note: HVRF indoor units can only be configured with the CMB-WM HBC (HVRF) and PURY-(E)M YNW-A1 or PQRY-P YLM-A1 outdoor units.

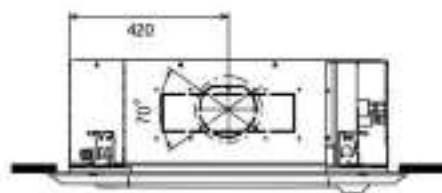
Lower View



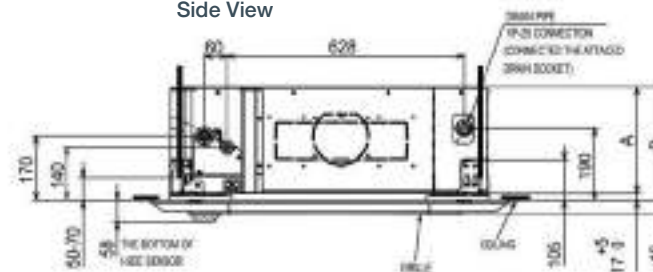
Upper View



Front View



Side View



	A	B
32/40/50	241	258
63/80	281	298

PLFY-WL-VFM-E

600x600 4-Way Blow Ceiling Cassette Indoor Unit



The **PLFY-WL-VFM-E** ceiling cassette unit connects to the Hybrid Branch Controller and uses water as the heat transfer medium. Providing a smart air conditioning solution for tight ceiling spaces, and designed to fit directly into standard 600mm square ceiling grids, these units are a perfect choice for both offices and retail applications. The optional 3D i-see sensor grille optimises both energy consumption and comfort levels.

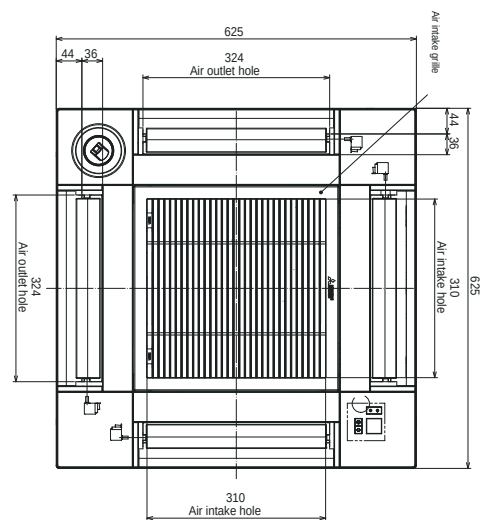
Key Features & Benefits

- Stylish square, slimline design - fits into narrow ceiling spaces with a height of only 245mm
- Low noise levels for minimal disturbance - reduced noise value with 3D turbo fan
- Enhanced airflow control through directional vanes
- Easy installation - temporary hanging hook on grille and no screw removal for corner panel / control box
- Optional 3D i-see sensor grille (SLP-2FAE) provides energy efficient, customised comfort by automatically monitoring room occupancy, position and body temperatures
- No refrigerant in occupied spaces, removing the need for leak detection under BS EN378
- Higher air off temperatures than standard VRF, allowing for improved comfort levels
- Optional V Blocking filter provides in-room air purification, neutralising viruses, allergens, dust and mould

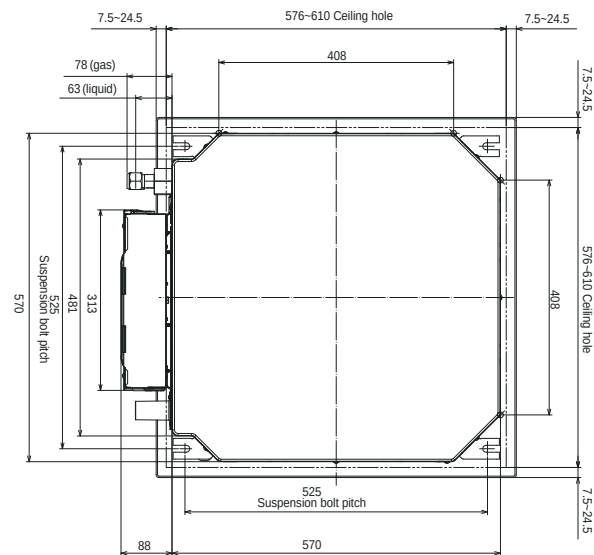
INDOOR UNITS		PLFY-WL15VFM-E	PLFY-WL20VFM-E	PLFY-WL25VFM-E	PLFY-WL32VFM-E	PLFY-WL40VFM-E
CAPACITY (kW)	Heating (nominal)	1.9	2.5	3.2	4.0	5.0
	Cooling (nominal)	1.7	2.2	2.8	3.6	4.5
	UK Heating	1.9	2.5	3.2	4.0	5.0
	UK Total Cooling - Hi (Sensible)	1.50 (1.30)	2.00 (1.60)	2.50 (2.00)	3.20 (2.60)	4.0 (3.1)
	UK Total Cooling - Mi1	1.44	1.92	2.38	2.92	3.88
POWER INPUT (kW)	UK Total Cooling - Lo	1.36	1.89	2.26	2.52	2.98
	Heating (nominal)	0.02	0.02	0.03	0.04	0.05
	Cooling (nominal)	0.02	0.02	0.03	0.04	0.05
	Lo-Mi-Hi	100-115-135	110-115-135	110-125-150	110-150-200	108-192-217
	Lo-Mi-Hi	25-26-29	27-29-31	27-30-34	27-33-41	27-40-43
WEIGHT (kg)	(Grille)	13 (3)	14 (3)	14 (3)	14 (3)	14 (3)
	(Grille)	13 (3)	14 (3)	14 (3)	14 (3)	14 (3)
DIMENSIONS (mm)	Width (Grille)	570 (625)	570 (625)	570 (625)	570 (625)	570 (625)
	Depth (Grille)	570 (625)	570 (625)	570 (625)	570 (625)	570 (625)
	Height (Grille)	245 (10)	245 (10)	245 (10)	245 (10)	245 (10)
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single
RUNNING CURRENT (A)		0.18 / 0.24	0.20 / 0.26	0.23 / 0.29	0.32 / 0.38	0.40 / 0.46
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6
MAINS CABLE No. Cores		3	3	3	3	3
GRILLE MODEL REFERENCE		SLP-2FA	SLP-2FA	SLP-2FA	SLP-2FA	SLP-2FA
WATER PIPE CONNECTION		20mm I.D	20mm I.D	20mm I.D	20mm I.D	20mm I.D

Note: HVRF indoor units can only be configured with the CMB-WM HBC (HVRF) and PURY-EJM YNW-A1 or PORY-P YLM-A1 outdoor units.

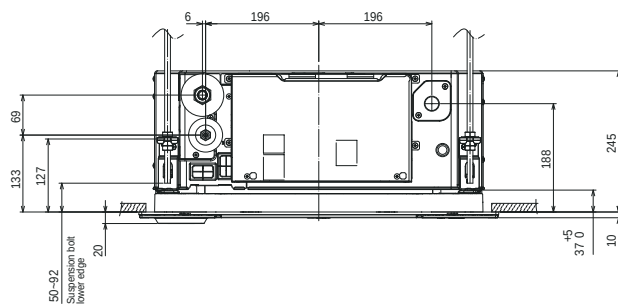
Upper View



Lower View



Side View



PFFY-WP-VLRMM-E

Floor Standing Concealed Indoor Unit



The **PFFY-WP-VLRMM-E** floor standing unit connects to the Hybrid Branch Controller and uses water as the heat transfer medium. A compact concealed unit that provides simple, effective air conditioning in perimeter zones, the unit is easy to install and at only 200mm deep offers an unobtrusive method of delivering a highly efficient air conditioning performance.

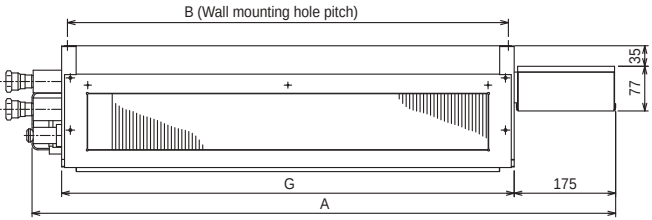
Key Features & Benefits

- Concealed unit for hidden installation or low visual impact
- Ideal for perimeter refurbishments
- Reduced noise levels for minimal disturbance
- Three static pressure settings - 20/40/60Pa, ideal for ducting in the perimeter zone
- No refrigerant in occupied spaces, removing the need for leak detection under BS EN378
- Higher air off temperatures than standard VRF, allowing for improved comfort levels

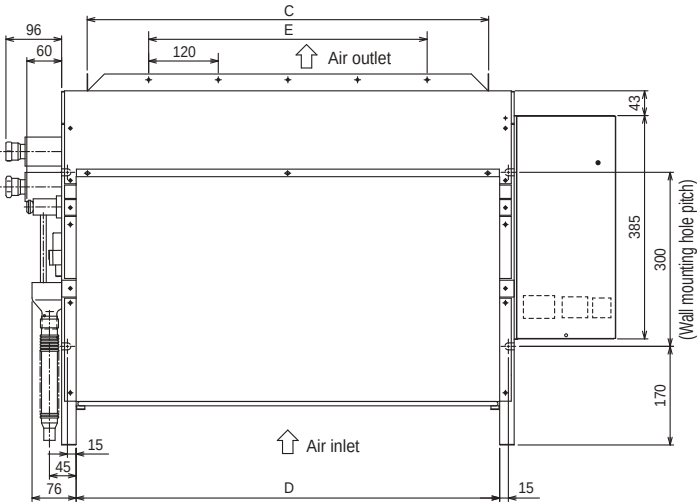
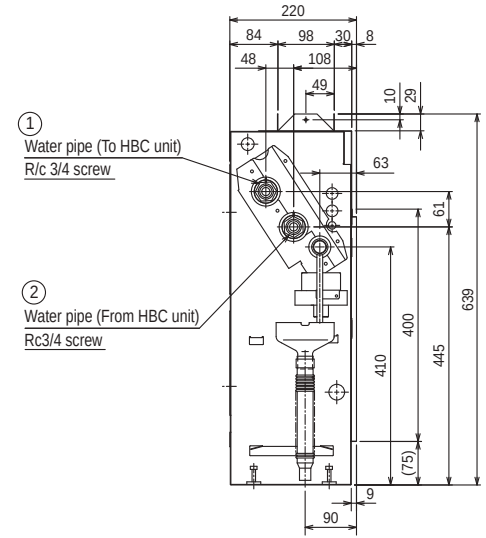
INDOOR UNITS		PFFY-WP20VLRMM-E	PFFY-WP25VLRMM-E	PFFY-WP32VLRMM-E	PFFY-WP40VLRMM-E	PFFY-WP50VLRMM-E
CAPACITY (kW)	Heating (nominal)	2.5	3.2	4.0	5.0	6.3
	Cooling (nominal)	2.2	2.8	3.6	4.5	5.6
	UK Heating	2.5	3.2	4.0	5.0	6.3
	UK Total Cooling - Hi (Sensible)	2.00 (1.50)	2.50 (2.00)	3.20 (2.50)	4.00 (3.10)	5.00 (3.90)
	UK Total Cooling - Mi2	-	-	-	-	-
	UK Total Cooling - Mi1	1.96	2.42	3.07	3.86	4.82
POWER INPUT (kW)	UK Total Cooling - Lo	1.83	2.29	2.86	3.53	4.43
	Heating (nominal)	0.04	0.04	0.05	0.05	0.07
AIRFLOW (l/s)	Cooling (nominal)	0.04	0.04	0.05	0.05	0.07
	Lo-Mi-Hi	75-83-100	100-117-133	125-150-175	133-167-192	175-217-250
EXTERNAL STATIC PRESSURE (Pa)		20-40-60	20-40-60	20-40-60	20-40-60	20-40-60
SOUND PRESSURE LEVEL (dBA) (20Pa) Lo-Mi-Hi		31-33-38	31-33-38	31-35-38	34-37-40	37-42-45
WEIGHT (kg)		22	25	25	29	29
DIMENSIONS (mm)	Width	886	1006	1006	1246	1246
	Depth	220	220	220	220	220
	Height	639	639	639	639	639
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single
RUNNING CURRENT (A) Heating / Cooling		0.35 / 0.35	0.35 / 0.35	0.47 / 0.47	0.47 / 0.47	0.65 / 0.65
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6
MAINS CABLE No. Cores		3	3	3	3	3
WATER PIPE CONNECTION		3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW

Note: HVRF indoor units can only be configured with the CMB-WM HBC (HVRF) and PURY-(E)M YNW-A1 or PQRY-P YLM-A1 outdoor units.

Upper View



Side View



Front View

Dimensions

Model	A	B	C	D	E	F	G	① Water pipe (To HBC unit)	② Water pipe (From HBC unit)
PFFY-WP20VLRMM-E	886	640	572	610	360	4	660	Rc3/4 screw	
PFFY-WP25VLRMM-E	1006	760	692	730	480	5	780		
PFFY-WP32VLRMM-E									
PFFY-WP40VLRMM-E									
PFFY-WP50VLRMM-E	1246	1000	932	970	720	7	1020		

PKFY-WL-VLM-E / VKM-E

Wall Mounted Indoor Unit

The **PKFY-WL** wall mounted indoor unit connects to the Hybrid Branch Controller and uses water as the heat transfer medium. Elegant and compact in design, it is an ideal unit choice for exposed applications. The units quiet operation promotes minimal disturbance in close proximity.

Key Features & Benefits

- Compact flat panel design - only 773mm wide (sizes 10-32)
- Widened vane control for improved air distribution and comfort
- Reduced noise levels of 22dB(A) (sizes 10-25) enabling minimal disturbance
- No refrigerant in occupied spaces, removing the need for leak detection under BS EN378
- Higher air off temperatures than standard VRF, allowing for improved comfort levels
- Compatible with Plasma Quad Connect - an innovative, bolt-on air purifying device which neutralises viruses, bacteria, allergens, PM2.5, mould and dust. For more information, please refer to page 1.1.7



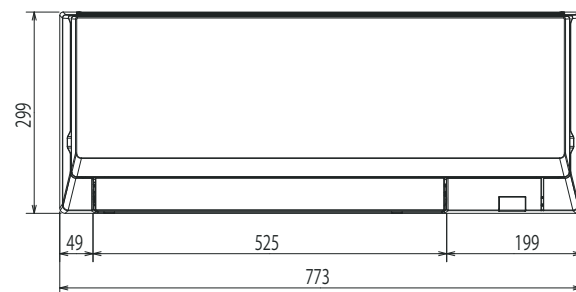
INDOOR UNITS		PKFY-WL10VLM-E	PKFY-WL15VLM-E	PKFY-WL20VLM-E	PKFY-WL25VLM-E	PKFY-WL32VLM-E	PKFY-WL40VLM-E	PKFY-WL50VKM-E	PKFY-WL63VKM-E
CAPACITY (kW)	Heating (nominal)	1.4	1.9	2.5	3.2	4.0	5.0	6.3	8.0
	Cooling (nominal)	1.2	1.7	2.2	2.8	3.6	4.5	5.6	7.1
	UK Heating	1.4	1.9	2.5	3.2	4.0	5.0	6.3	8.0
	UK Total Cooling - Hi (Sensible)	1.10 (0.90)	1.50 (1.10)	2.00 (1.50)	2.50 (1.90)	3.20 (2.40)	4.00 (3.00)	5.00 (4.10)	6.40 (5.00)
	UK Total Cooling - Mi2	1.08	1.45	1.92	2.38	3.09	3.82	-	-
	UK Total Cooling - Mi1	1.05	1.38	1.78	2.13	2.90	3.53	-	-
POWER INPUT (kW)	UK Total Cooling - Lo	1.00	1.30	1.61	1.82	2.65	3.12	4.88	6.05
	Heating (nominal)	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05
AIRFLOW (l/s)	Cooling (nominal)	0.02	0.02	0.03	0.04	0.04	0.05	0.04	0.05
	Lo-Mi1-Mi2-Hi	55-63-68-75	55-63-72-82	67-83-100-117	67-90-117-140	105-127-150-173	107-137-167-198	300-333	300-367
SOUND PRESSURE LEVEL (dBA) Lo-Mi1-Mi2-Hi		22-26-28-30	22-26-29-32	22-28-33-36	22-30-36-41	29-34-38-41	30-36-41-45	39-42	39-45
WEIGHT (kg)		11	11	11	11	13	13	20	20
DIMENSIONS (mm)	Width	773	773	773	773	898	898	1170	1170
	Depth	237	237	237	237	237	237	295	295
	Height	299	299	299	299	299	299	365	365
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50/60Hz	220-240v, 50/60Hz
PHASE		Single	Single	Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A) Heating / Cooling		0.15 / 0.20	0.15 / 0.20	0.20 / 0.25	0.30 / 0.35	0.30 / 0.35	0.40 / 0.45	0.40 / 0.46	0.50 / 0.56
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6	6
MAINS CABLE No. Cores		3	3	3	3	3	3	3	3
WATER PIPE CONNECTION		3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW	3/4" BSP SCREW

Note: HVRF indoor units can only be configured with the CMB-WM HBC (HVRF) and PURY-(E)M YNW-A1 or PQRY-P YLM-A1 outdoor units.

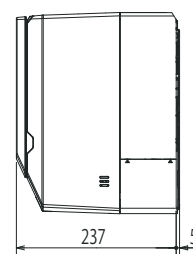
Product Dimensions

PKFY-WL10/15/20/25VLM-E

Front View



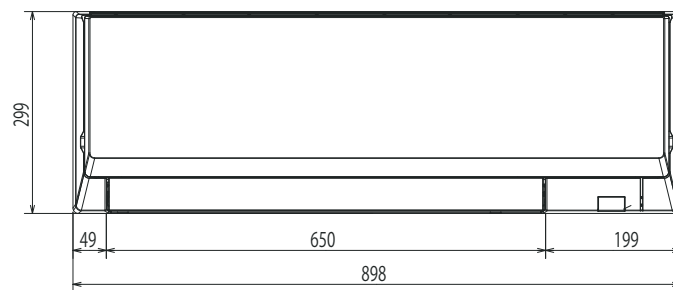
Side View



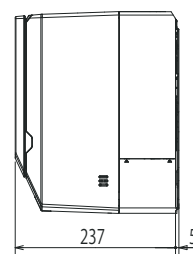
Product Dimensions

PKFY-WL32/40VLM-E

Front View



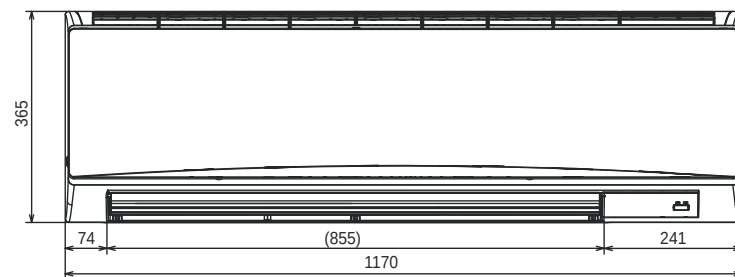
Side View



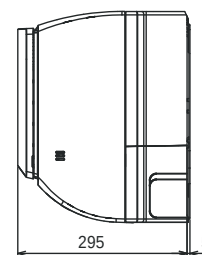
Product Dimensions

PKFY-WL50/63VKM-E

Front View



Side View



HBC Controllers



At the heart of both the R2 and WR2 Series, the HBC Controller makes simultaneous heating and cooling possible. Improved system efficiency is achieved when energy is transferred intelligently around the building. The **HBC Controller** is available as a 6, 8 or 16 port model, and now includes both horizontal and vertical types, offering greater freedom and flexibility in system design.

Key Features & Benefits

- Valves, pumps and heat exchanger all contained within the HBC
- Manageable, phased installation through modular HBC system design - ideal for Cat A to Cat B applications
- Intuitive load adjusting flow control valves and inverter driven pumps for maximum efficiency
- Where ceiling space is tight or congested, the compact vertical HBC can be considered as an alternative to the traditional horizontal type HBC box
- The vertical HBC's reduced footprint enables easier installation and service access



MAIN HBC CONTROLLERS		CMB-WM108V-AA	CMB-WM1016V-AA	CMB-WM350F-AA	CMB-WM500F-AA
NUMBER OF CONNECTIONS		8	16	6	6
ORIENTATION		Horizontal	Horizontal	Vertical	Vertical
COMPATIBILITY		R32 / R410A	R32 / R410A	R32	R32
WEIGHT (kg)		86 (96)*	98 (111)*	196 (216)*	209 (233)*
DIMENSIONS (mm)	Width	1520	1800	800	800
	Depth (Control Box)	540 (630)	540 (630)	500	500
	Height	300	300	1500	1500
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single
POWER INPUT (kW)		0.46	0.46	1.50	1.50
RUNNING CURRENT (A)		2.83	2.83	6.52	6.52
FUSE RATING (BS88) - HRC (A)		6	6	10	10
MAINS CABLE No. Cores		3	3	3	3

SUB HBC CONTROLLERS		CMB-WM108V-BB	CMB-WM1016V-BB
NUMBER OF CONNECTIONS		8	16
ORIENTATION		Horizontal	Horizontal
COMPATIBILITY		R32 / R410A	R32 / R410A
WEIGHT (kg)		40 (45)*	53 (62)*
DIMENSIONS (mm)	Width	930	1210
	Depth (Control Box)	540 (630)	540 (630)
	Height	310	310
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
POWER INPUT (kW)		0.01	0.01
RUNNING CURRENT (A)		0.14	0.14
FUSE RATING (BS88) - HRC (A)		6	6
MAINS CABLE No. Cores		3	3

Notes: CMB-WM-V-AA (Main) and CMB-WM-V-BB (Sub) units are for use with PURY-(E)M200-500YNW-A1, PQRY-P200-500YLM-A1 outdoor/condenser units and HVRF indoor units only. CMB-WM-F-AA (Main) and CMB-WM-F-BB (Sub) units are for use with PURY-(E)M200-500YNW-A1 outdoor units and HVRF indoor units only.

One CMB-WM-V-AA unit can be used on PURY-(E)M200-250YNW-A1 and PQRY-P200-250YNW-A1 units. One CMB-WM-V-AA unit can be used on PURY-(E)M300-350YNW-A1 and PQRY-P300-350YLM-A1 units with a system efficiency reduction. Two CMB-WM-V-AA units can be used in parallel on PURY-(E)M300-500YNW-A1 and PQRY-P300-500YLM-A1 outdoor/condenser units. PURY-(E)M400-500YNW-A1 requires two CMB-WM-V-AA units.

One CMB-WM-F-AA can only be used on PURY-(E)M200-500YNW-A1 outdoor units.

A CMB-WM-V-AA and a CMB-WM-F-AA cannot be connected to the same R32 outdoor unit.

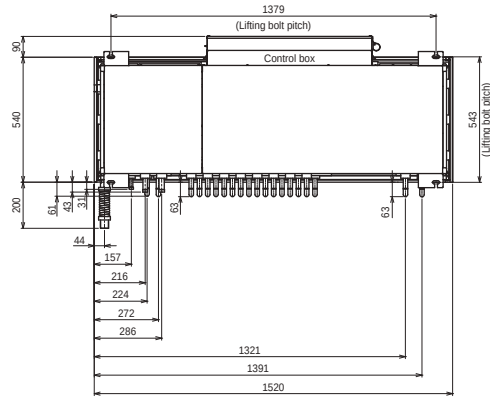
CMB-WM-V-BB units are for use with PURY-(E)M200-500YNW-A1, PQRY-P200-500YLM-A1 outdoor/condenser units and HVRF indoor units only, when accompanied by a CMB-WM-V-AA or CMB-WM-F-AA unit.

*() Includes Water

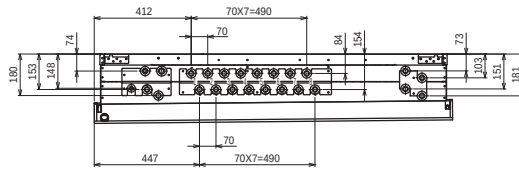
Product Dimensions

CMB-WM108V-AA

Upper View



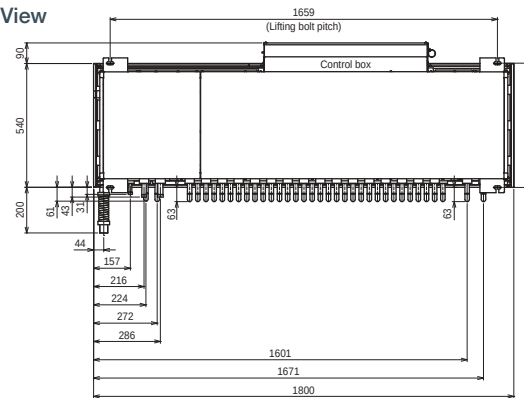
Side View



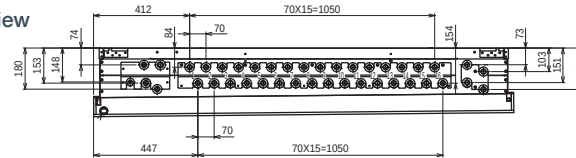
Product Dimensions

CMB-WM1016V-AA

Upper View



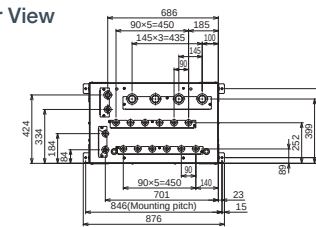
Side View



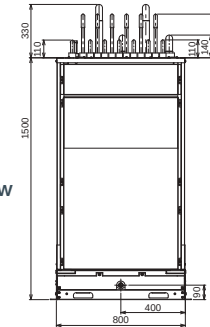
Product Dimensions

CMB-WM350/500F-AA

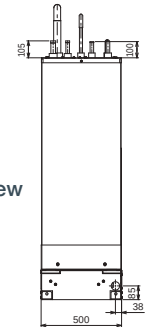
Upper View



Front View



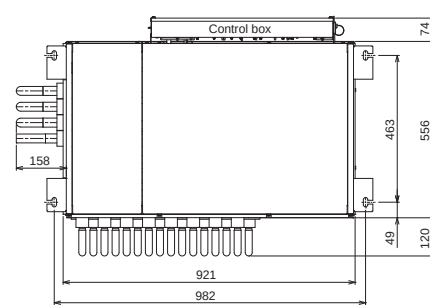
Side View



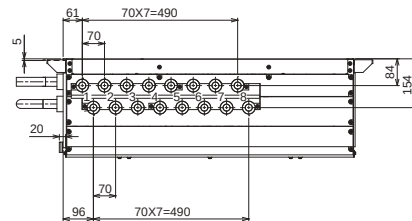
Product Dimensions

CMB-WM108V-BB

Upper View



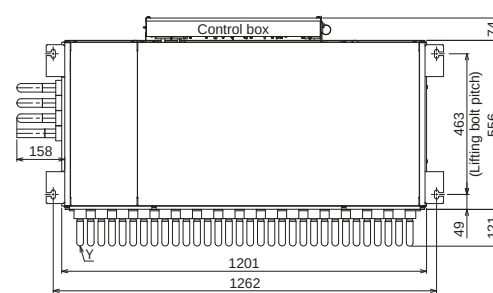
Side View



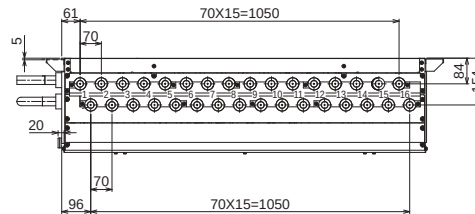
Product Dimensions

CMB-WM1016V-BB

Upper View



Side View



City Multi Hybrid VRF Accessories / Optional Extras

DESCRIPTION	MODEL REF.
Outdoor Units	
Fin Guard Side surfaces S / L modules (2pc) (P200-P450)	PAC-FG01S-E
Fin Guard Side surfaces XL module (2 pc) (P500)	PAC-FG02S-E
Fin Guard Rear surface S module (P200-P300)	PAC-FG01B-E
Fin Guard Rear surface L module (P350-P450)	PAC-FG02B-E
Fin Guard Rear surface XL module (P500)	PAC-FG03B-E
Differential pressure switch for PQRY-P200-300YLM-A1	KS10-EP100S
Indoor Units	
Remote Temperature Sensor	PAC-SE41TS-E
Discreet Remote Temperature Sensor	KS9-BS1-A
Ceiling Concealed Ducted Indoor Units	
Plasma Quad Connect air purifying device for PEFY-WP-VMS1-E / PEFY-WP-VMA-E	MAC-100FT-E
Plasma Quad Connect metal fitment for PEFY-WP-VMS1-E	PAC-HA11PAR
Plasma Quad Connect metal fitment for PEFY-WP-VMA-E	PAC-HA31PAR
4-Way Blow Cassette Indoor Units	
Grille for PLFY-WL-VFM-E	SLP-2FA
3D i-see sensor grille for PLFY-WL-VFM-E	SLP-2FAE
Grille for PLFY-WL-VEM-E	PLP-6EA
3D i-see sensor grille for PLFY-WL-VEM-E	PLP-6EAE
Self elevating grille for PLFY-WL-VEM-E	PLP-6EAJ
Corner panel with i-see sensor for PLFY-WL-VEM-E	PAC-SE1ME-E
Corner panel with signal receiver for PLFY-WL-VEM-E	PAR-SE9FA-E
Shutter plate for PLFY-WL-VEM-E	PAC-SJ37SP-E
Multi-function casement for PLFY-WL-VEM-E	PAC-SJ41TM-E
High efficiency filter for PLFY-WL-VEM-E (must be used with PAC-SJ41TM-E)	PAC-SH59KF-E
V Blocking air purifying filter for PLFY-WL-VEM-E	PAC-SK53KF-E
V Blocking air purifying filter for PLFY-WL-VFM-E	PAC-SK54KF-E
Plasma Quad Connect air purifying device (x1) with multi-function casement for PLFY-WL-VEM-E	PAC-SK51FT-E
Wall Mounted Indoor Units	
Plasma Quad Connect air purifying device for PKFY-WL-VLM-E / VKM-E	MAC-100FT-E