

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-A2	PUHY-P250YNW-A2	PUHY-P300YNW-A2	PUHY-P350YNW-A2	PUHY-P400YNW-A2	PUHY-P400YSNW-A2
CAPACITY (kW)	Heating (nominal max)	25.0	31.5	37.5	45.0	50.0	50.0
	Cooling (nominal)	22.4	28.0	33.5	40.0	45.0	44.8
	High Performance Heating (UK)	25.0	31.5	35.6	42.8	45.0	50.0
	COP Priority Heating (UK)	22.8	28.7	34.1	41.0	43.0	45.5
	Cooling (UK)	20.0	25.1	30.0	35.8	40.3	40.1
POWER INPUT (kW)	Heating (nominal max)	6.08	8.49	10.30	12.32	14.20	12.16
	Cooling (nominal)	6.03	9.62	11.31	13.98	17.57	12.47
	High Performance Heating (UK)	7.66	10.70	13.70	16.39	16.05	15.56
	COP Priority Heating (UK)	6.08	8.49	10.30	12.32	13.77	12.16
	Cooling (UK)	3.50	5.58	6.56	8.11	11.24	7.23
COP / EER (nominal max)		4.11 / 3.71	3.71 / 2.91	3.64 / 2.96	3.65 / 2.86	3.52 / 2.56	4.11 / 3.59
MAX No. OF CONNECTABLE INDOOR UNITS		20	25	30	35	40	40
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
	Low	170	185	240	270	300	170 / 170
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	64.5 / 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	84.0 / 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	1858	1858	1858	1858	1858	1858
(1650mm 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		9.7 / 9.6 [16.1]	13.6 / 15.4 [17.8]	16.5 / 18.1 [22.7]	19.7 / 22.4 [26.4]	22.7 / 28.1 [31.9]	19.5 / 19.9 [16.1 + 16.1]
GUARANTEED OPERATING RANGE (°C)		Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]
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	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.

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

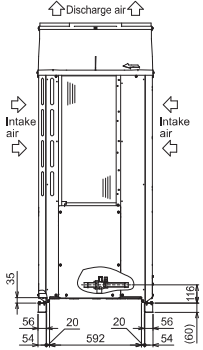
UK Conditions: Cooling; indoor 21°C DB, 15°C WB; outdoor 27°C DB. UK Conditions: Heating; indoor 20°C DB, outdoor 0°C DB, -1°C WB.

*1 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.

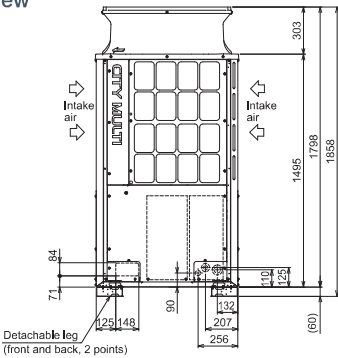
Product Dimensions

PUHY-P200/250/300YNW-A2

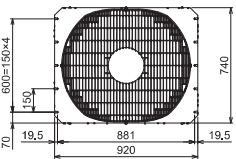
Side View



Front View



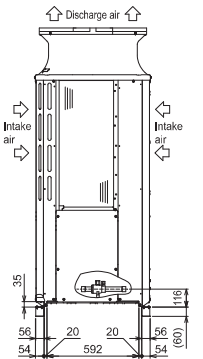
Upper View



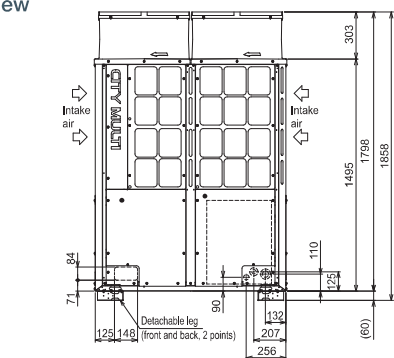
Product Dimensions

PUHY-P350/400YNW-A2

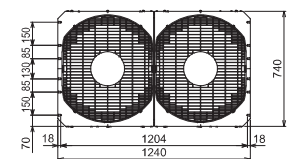
Side View



Front View



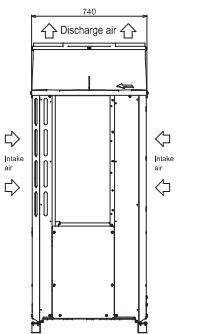
Upper View



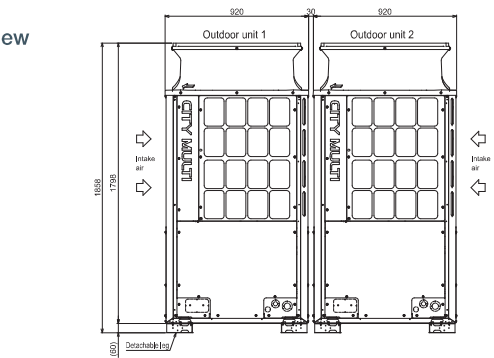
Product Dimensions

PUHY-P400YSNW-A2

Side View



Front View



Y Series VRF (50-61.5kW)

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-A2	PUHY-P450YSNW-A2	PUHY-P500YNW-A2	PUHY-P500YSNW-A2	PUHY-P550YSNW-A2
CAPACITY (kW)	Heating (nominal max)	56.0	56.5	63.0	63.0	69.0
	Cooling (nominal)	50.0	50.4	56.0	56.0	61.5
	High Performance Heating (UK)	50.4	56.5	56.7	63.0	65.6
	COP Priority Heating (UK)	48.2	51.4	54.2	57.3	62.8
	Cooling (UK)	44.8	45.1	50.1	50.1	55.0
POWER INPUT (kW)	Heating (nominal max)	16.51	14.56	17.89	16.98	18.80
	Cooling (nominal)	18.86	15.94	21.05	19.85	21.65
	High Performance Heating (UK)	18.66	18.64	20.22	21.73	25.00
	COP Priority Heating (UK)	16.01	14.56	17.35	16.98	18.80
	Cooling (UK)	12.07	9.25	13.47	11.51	12.56
COP / EER (nominal max)		3.39 / 2.65	3.88 / 3.16	3.52 / 2.66	3.71 / 2.82	3.67 / 2.84
MAX No. OF CONNECTABLE INDOOR UNITS		45	45	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	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	71.0 / 65.5	63.0 / 62.0	66.5 / 63.5	64.0 / 63.0	66.0 / 63.5
	Heating / Cooling	90.0 / 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		Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]	Heating / Cooling [MAX]
GUARANTEED OPERATING RANGE (°C)		Heating / Cooling	Heating / Cooling	Heating / Cooling	Heating / Cooling	Heating / Cooling
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.

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

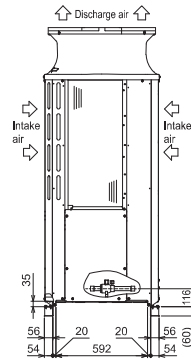
UK Conditions: Cooling: indoor 21°C DB, 15°C WB; outdoor 27°C DB. UK Conditions: Heating: indoor 20°C DB, outdoor 0°C DB, -1°C WB.

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

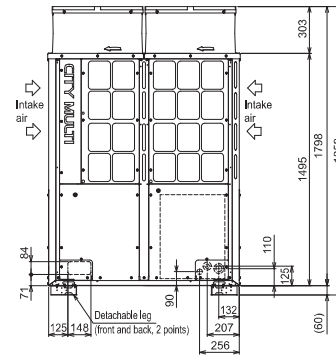
Product Dimensions

PUHY-P450YNW-A2

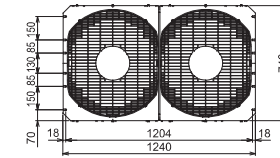
Side View



Front View



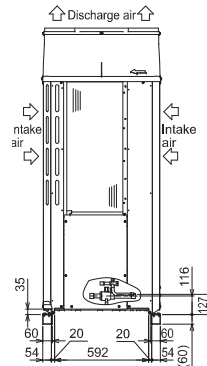
Upper View



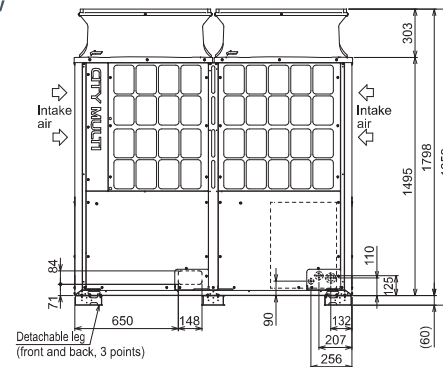
Product Dimensions

PUHY-P500YNW-A2

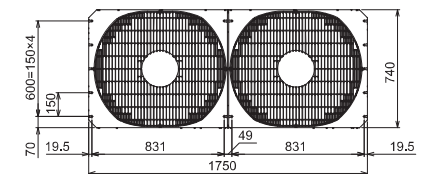
Side View



Front View



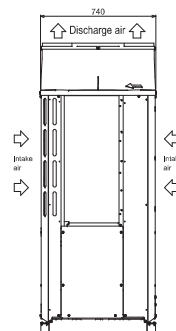
Upper View



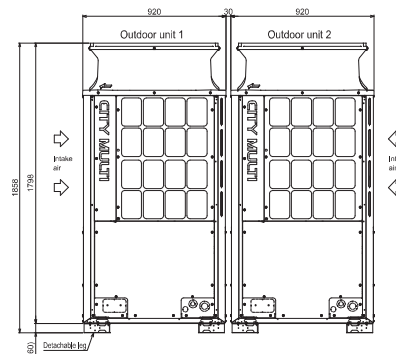
Product Dimensions

PUHY-P450/500/550YSNW-A2

Side View



Front View



Y Series VRF (67-95kW)

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-A2	PUHY-P650YSNW-A2	PUHY-P700YSNW-A2	PUHY-P750YSNW-A2	PUHY-P800YSNW-A2	PUHY-P850YSNW-A2
CAPACITY (kW)	Heating (nominal max)	75.0	81.5	90.0	95.0	101.0	106.0
	Cooling (nominal)	67.0	73.0	80.0	85.0	90.0	95.0
	High Performance Heating (UK)	71.3	77.4	85.5	90.3	96.0	95.4
	COP Priority Heating (UK)	68.3	74.2	81.9	86.5	91.9	91.2
	Cooling (UK)	60.0	65.3	71.6	76.1	80.6	85.0
POWER INPUT (kW)	Heating (nominal max)	20.60	22.70	24.65	26.53	28.85	30.72
	Cooling (nominal)	23.34	27.96	28.88	32.56	33.96	37.69
	High Performance Heating (UK)	27.40	30.19	32.78	35.28	38.37	34.71
	COP Priority Heating (UK)	20.60	22.70	24.65	26.53	28.85	29.80
	Cooling (UK)	13.54	16.22	16.75	18.88	19.70	24.12
COP / EER (nominal max)		3.64 / 2.87	3.59 / 2.61	3.65 / 2.77	3.58 / 2.61	3.50 / 2.65	3.45 / 2.52
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")
	Heating / Cooling	67.5 / 64.0	68.5 / 66.5	67.5 / 65.0	69.0 / 67.0	71.0 / 67.5	73.0 / 68.5
SOUND POWER LEVEL (dBA)		87.0 / 83.0	87.0 / 83.0	87.0 / 83.0	88.0 / 84.0	91.0 / 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		33.0 / 37.4 [22.7 + 22.7]	36.4 / 44.8 [17.8 + 31.9]	39.5 / 46.3 [26.4 + 26.4]	42.5 / 52.2 [26.4 + 31.9]	46.2 / 54.4 [26.4 + 37.1]	49.2 / 60.4 [31.9 + 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)*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.

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

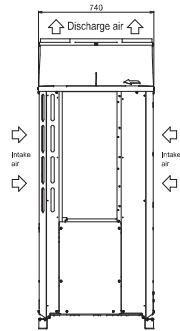
UK Conditions: Cooling: indoor 21°C DB, 15°C WB; outdoor 27°C DB. UK Conditions: Heating: indoor 20°C DB, outdoor 0°C DB, -1°C WB.

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

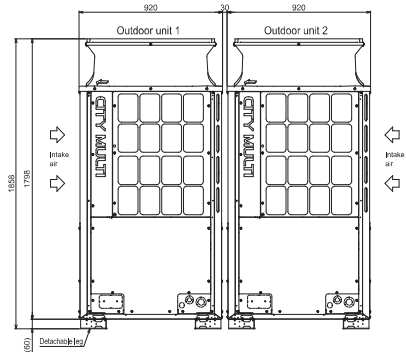
Product Dimensions

PUHY-P600YSNW-A2

Side View



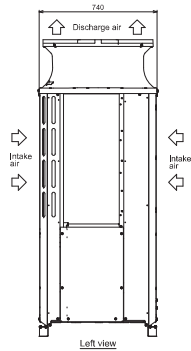
Front View



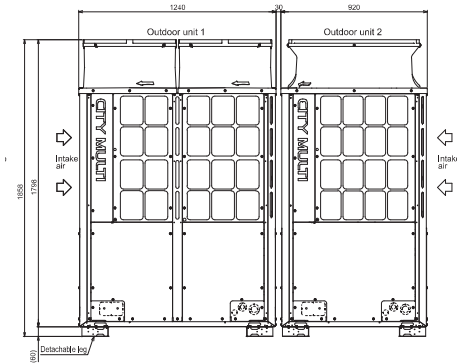
Product Dimensions

PUHY-P650YSNW-A2

Side View



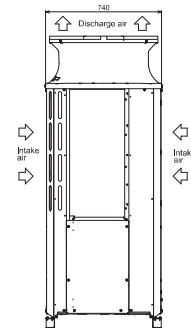
Front View



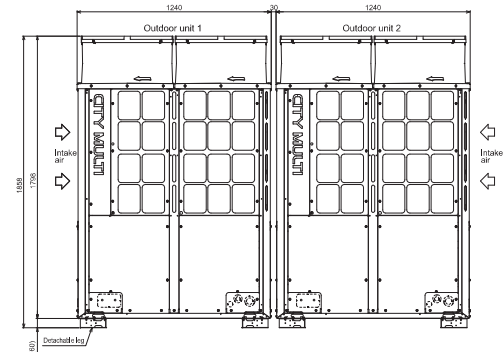
Product Dimensions

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

Side View



Front View



Y Series VRF (100-125kW)

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-A2	PUHY-P950YSNW-A2	PUHY-P1000YSNW-A2	PUHY-P1050YSNW-A2	PUHY-P1100YSNW-A2
CAPACITY (kW)	Heating (nominal max)	112.0	121.5	126.5	131.5	140.0
	Cooling (nominal)	100.0	108.0	113.0	118.0	125.0
	High Performance Heating (UK)	100.8	109.4	113.9	118.4	126.0
	COP Priority Heating (UK)	96.3	104.5	108.8	113.1	120.4
	Cooling (UK)	89.5	96.7	101.1	105.6	111.9
POWER INPUT (kW)	Heating (nominal max)	33.03	33.19	35.04	36.93	38.88
	Cooling (nominal)	38.91	38.84	42.48	46.09	46.99
	High Performance Heating (UK)	37.32	37.50	39.60	41.73	43.93
	COP Priority Heating (UK)	32.04	32.19	33.99	35.82	37.71
	Cooling (UK)	24.90	24.86	27.19	29.50	30.07
COP / EER (nominal max)		3.39 / 2.57	3.66 / 2.78	3.61 / 2.66	3.56 / 2.56	3.60 / 2.66
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	68.5 / 66.5	70.0 / 68.0	70.5 / 69.0	70.5 / 68.5
SOUND POWER LEVEL (dBA)		Heating / Cooling	93.0 / 87.0	88.0 / 84.0	89.0 / 85.0	89.0 / 86.0
WEIGHT (kg)		293 + 293	213 + 277 + 277	213 + 277 + 277	213 + 277 + 277	277 + 277 + 277
DIMENSIONS (mm)						
(1798mm without legs)	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
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]	52.9 / 62.4 [37.1 + 37.1]	53.2 / 62.2 [17.8 + 26.4 + 26.4]	56.1 / 68.1 [17.8 + 26.4 + 31.9]	59.2 / 73.9 [17.8 + 31.9 + 31.9]
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
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
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	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	45.6 / 95.2

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

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

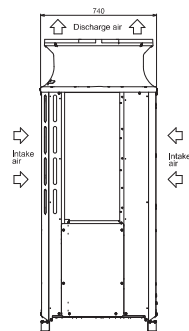
UK Conditions: Cooling; indoor 21°C DB, 15°C WB; outdoor 27°C DB. UK Conditions: Heating; indoor 20°C DB, outdoor 0°C DB, -1°C WB.

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

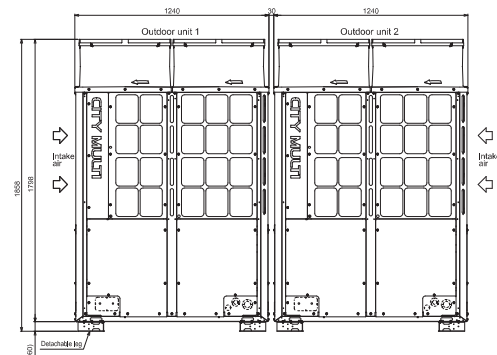
Product Dimensions

PUHY-P900YSNW-A2

Side View



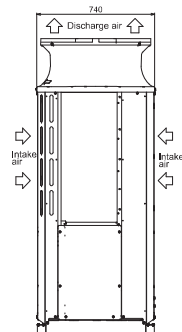
Front View



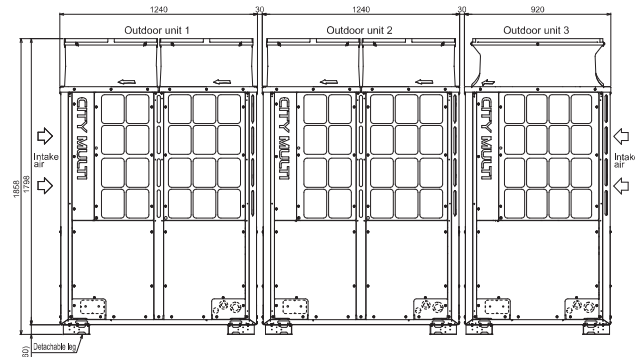
Product Dimensions

PUHY-P950/1000/1050YSNW-A2

Side View



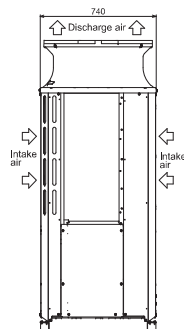
Front View



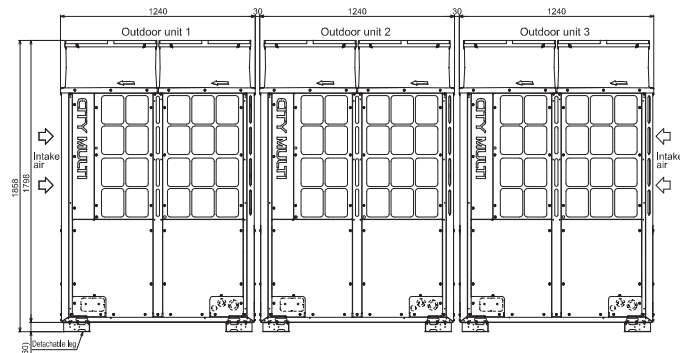
Product Dimensions

PUHY-P1100YSNW-A2

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-A2	PUHY-P1200YSNW-A2	PUHY-P1250YSNW-A2	PUHY-P1300YSNW-A2	PUHY-P1350YSNW-A2
CAPACITY (kW)	Heating (nominal max)	145.0	150.0	156.0	162.0	168.0
	Cooling (nominal)	130.0	135.0	140.0	145.0	150.0
	High Performance Heating (UK)	130.5	135.0	140.4	145.8	151.2
	COP Priority Heating (UK)	124.7	129.0	134.2	139.3	144.5
	Cooling (UK)	116.4	120.8	125.3	129.8	134.3
POWER INPUT (kW)	Heating (nominal max)	40.84	42.61	44.95	47.23	49.55
	Cooling (nominal)	50.58	54.43	55.77	57.08	58.36
	High Performance Heating (UK)	46.15	48.15	50.79	53.37	55.99
	COP Priority Heating (UK)	39.61	41.33	43.60	45.81	48.06
	Cooling (UK)	32.37	34.84	35.69	36.53	37.35
COP / EER (nominal max)		3.55 / 2.57	3.52 / 2.48	3.47 / 2.51	3.43 / 2.54	3.39 / 2.57
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		71.5 / 69.5	72.0 / 70.0	74.0 / 70.0	75.0 / 70.0	76.0 / 70.5
SOUND POWER LEVEL (dBA) Heating / Cooling		90.0 / 86.0	91.0 / 87.0	93.0 / 88.0	94.0 / 88.0	95.0 / 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 Heating/Cooling [MAX]		65.4 / 81.1 [26.4 + 31.9 + 31.9]	68.3 / 87.2 [31.9 + 31.9 + 31.9]	72.0 / 89.4 [31.9 + 31.9 + 37.1]	75.7 / 91.5 [31.9 + 37.1 + 37.1]	79.4 / 93.5 [37.1 + 37.1 + 37.1]
GUARANTEED OPERATING RANGE (°C) Heating/Cooling		-20~-15.5 / -5~-52	-20~-15.5 / -5~-52	-20~-15.5 / -5~-52	-20~-15.5 / -5~-52	-20~-15.5 / -5~-52
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*1		1 x 32 / 1 x 32 / 1 x 32	1 x 32 / 1 x 32 / 1 x 32	1 x 32 / 1 x 32 / 1 x 40	1 x 32 / 1 x 40 / 1 x 40	1 x 40 / 1 x 40 / 1 x 40
MAINS CABLE No. Cores*1		4 + 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

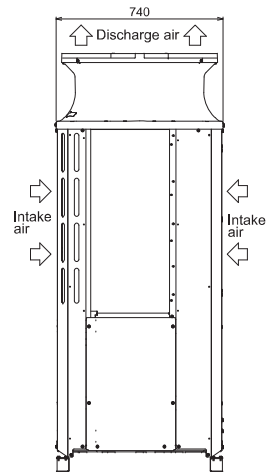
Notes: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.

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

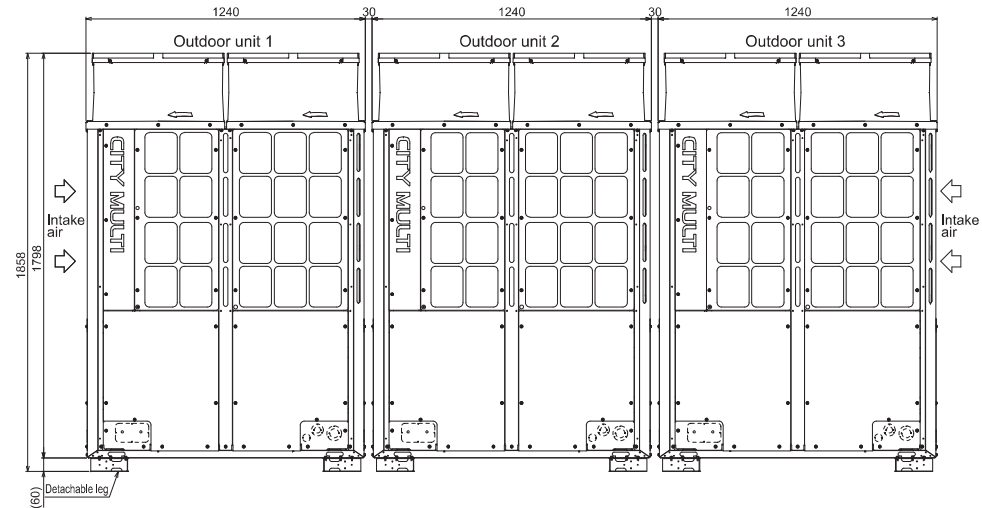
UK Conditions: Cooling; indoor 21°C DB, 15°C WB; outdoor 27°C DB. UK Conditions: Heating; indoor 20°C DB, outdoor 0°C DB, -1°C WB.

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

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

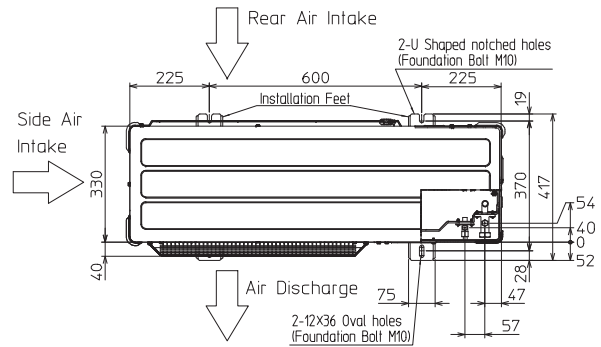


OUTDOOR UNITS		PUMY-SP112VKM2	PUMY-SP112YKM2 ^③	PUMY-SP125VKM2	PUMY-SP125YKM2 ^③	PUMY-SP140VKM2	PUMY-SP140YKM2 ^③
CAPACITY (KW)	Heating (nominal max)	14.0	14.0	16.0	16.0	16.5	16.5
	Cooling (nominal)	12.5	12.5	14.0	14.0	15.5	15.5
	Heating (UK)	14.0	14.0	16.0	16.0	16.5	16.5
	Cooling (UK)	9.8	9.8	11.0	11.0	12.2	12.2
POWER INPUT (KW)	Heating (nominal max)	3.66	3.66	4.31	4.31	4.36	4.36
	Cooling (nominal)	4.46	4.46	5.11	5.11	5.34	5.34
	Heating (UK)	4.69	4.69	5.52	5.52	5.58	5.58
	Cooling (UK)	2.08	2.08	2.38	2.38	2.49	2.49
COP / EER (nominal max)		3.83 / 2.80	3.83 / 2.80	3.71 / 2.74	3.71 / 2.74	3.78 / 2.90	3.78 / 2.90
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]		16.24 / 19.79 [30.5]	5.57 / 6.78 [13.0]	19.13 / 22.68 [30.5]	6.55 / 7.77 [13.0]	19.35 / 23.70 [30.5]	6.63 / 8.12 [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

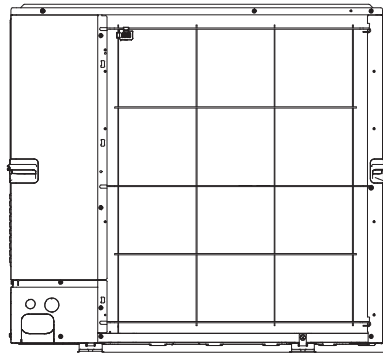
③ Three Phase Note: *SEER/SCOP available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21/6 to EN14825 standard.
Nominal Conditions: Cooling; indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB. Nominal Max Conditions: Heating; indoor 20°C DB; outdoor 7°C DB, 6°C WB.
UK Conditions: Cooling; indoor 21°C DB, 15°C WB; outdoor 27°C DB. UK Conditions: Heating; indoor 20°C DB, outdoor 0°C DB, -1°C WB.

PIPING RESTRICTIONS	PUMY-SP112-140VKM2/YKM2
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

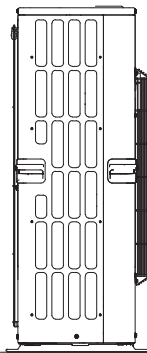
Upper View



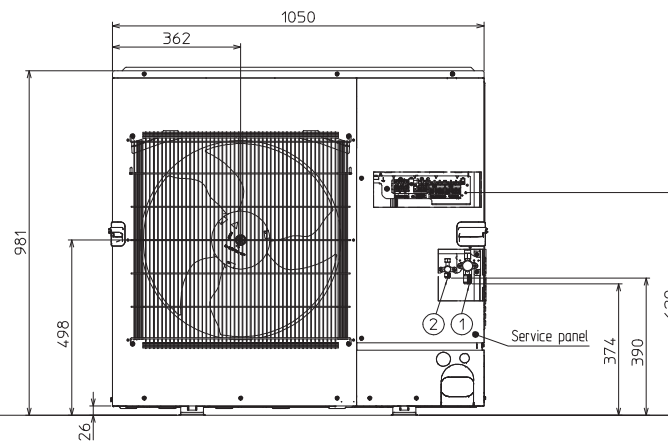
Rear View



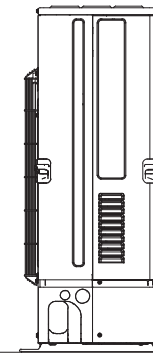
Left Side View



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

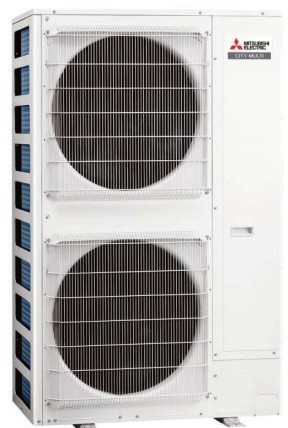
*Mr Slim units available for use with PUMY-P112-200 units only.



OUTDOOR UNITS		PUMY-P112VKM6	PUMY-P112YKM5 ^③	PUMY-P125VKM6	PUMY-P125YKM5 ^③	PUMY-P140VKM6	PUMY-P140YKM5 ^③	PUMY-P200YKM3 ^③	PUMY-P250YBM2 ^③	PUMY-P300YBM2 ^③
CAPACITY (KW)	Heating (nominal max)	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)	14.0	14.0	16.0	16.0	18.0	18.0	25.0	31.5	37.5
	Cooling (UK)	9.8	9.8	11.0	11.0	12.2	12.2	17.6	22.1	26.4
POWER INPUT (KW)	Heating (nominal max)	3.49	3.49	4.06	4.06	4.63	4.63	5.85	7.91	9.69
	Cooling (nominal)	4.34	4.34	5.00	5.00	5.17	5.17	7.18	8.21	11.96
	Heating (UK)	4.48	4.48	5.22	5.22	5.95	5.95	7.52	9.81	12.02
	Cooling (UK)	2.08	2.08	2.39	2.39	2.47	2.47	3.43	4.56	6.65
COP / EER (nominal max)		4.01 / 2.88	4.01 / 2.88	3.94 / 2.80	3.94 / 2.80	3.89 / 3.00	3.89 / 3.00	4.27 / 3.12	3.98 / 3.41	3.87 / 2.80
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	141	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")*1	9.52 (3/8")	12.7 (1/2")
SOUND PRESSURE LEVEL (dBA)		49	49	50	50	51	51	57	55	57
SOUND POWER LEVEL (dBA)		69	69	70	70	71	71	76	73	75
WEIGHT (kg)		123	125	123	125	123	125	141	192	192
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]		15.41 / 19.16 [29.5]	5.93 / 7.37 [13.0]	17.93 / 22.08 [29.5]	6.52 / 8.02 [13.0]	20.44 / 22.83 [29.5]	7.04 / 7.86 [13.0]	9.08 / 11.15 [19.0]	12.28 / 12.74 [28.4]	15.04 / 18.56 [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.
Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB. Nominal Max Conditions: Heating: indoor 20°C DB; outdoor 7°C DB, 6°C WB.
UK Conditions: Cooling: indoor 21°C DB, 15°C WB; outdoor 27°C DB, UK Conditions: Heating: indoor 20°C DB, outdoor 0°C DB, -1°C WB.
*1 12.7mm (1/2") if furthest length ≥ 60m.

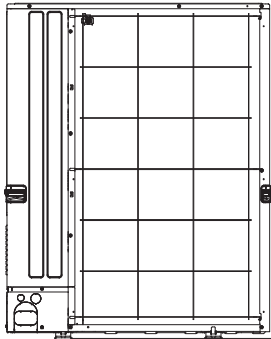
PIPING RESTRICTIONS	PUMY-P112-140VKM6/YKM5	PUMY-P200YKM3	PUMY-P250-300YBM2
TOTAL PIPING LENGTH	300m max	150m max	310m max
FURTHEST PIPING LENGTH	150m max	80m max	150m max
FURTHEST PIPING LENGTH AFTER 1st BRANCH	30m max	30m max	30m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (40m max if outdoor 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



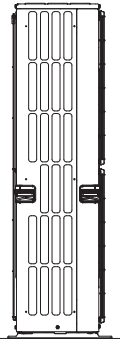
Product Dimensions

PUMY-P112/125/140/200VKM6/YKM(5)(3)

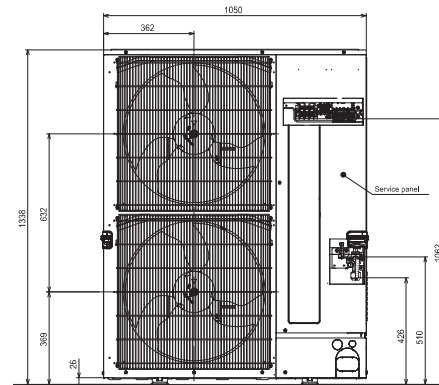
Rear View



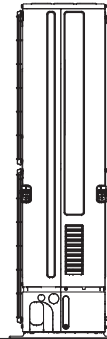
Left Side View



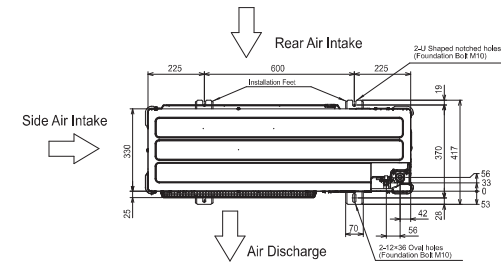
Front View



Right Side View



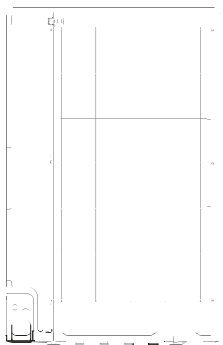
Upper View



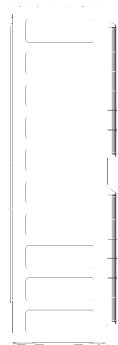
Product Dimensions

PUMY-P250/300YBM2

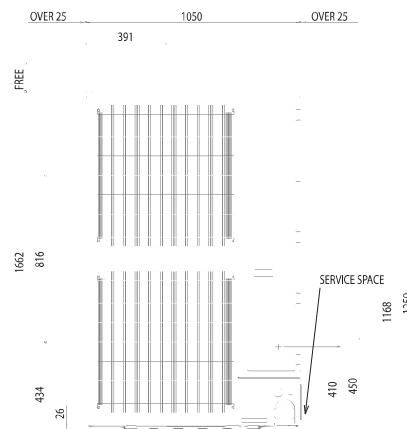
Rear View



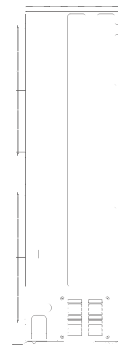
Left Side View



Front View



Right Side View



Upper View

