

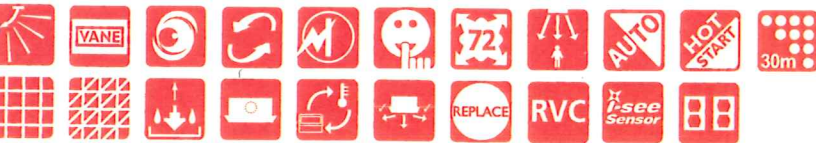
PLA-RP Zubadan Inverter Heat Pump

4-Way Blow Ceiling Cassette System

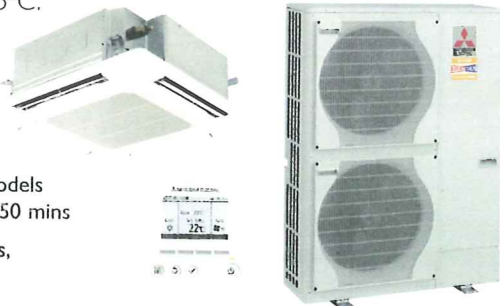
Zubadan sets a new standard in performance

The Mr Slim Zubadan Inverter heat pumps achieve an excellent heating performance even when the outdoor air temperature is as low as -25°C.

- Stable Heating Performance - Full heating capacity at -15°C, a 30% capacity improvement over the next size up Power Inverter
- Expanded Heating Operation - Will work effectively even when the outdoor ambient air temperature is -25°C
- Stable Operation - Utilising the new Flash Injection Circuit the Zubadan models have reduced defrost times and can provide continuous heating for up to 150 mins
- Quick Start-Up - At -20°C, full heating capacity is achieved in about 20 mins, improving comfort levels



ZUBADAN



Technical Information

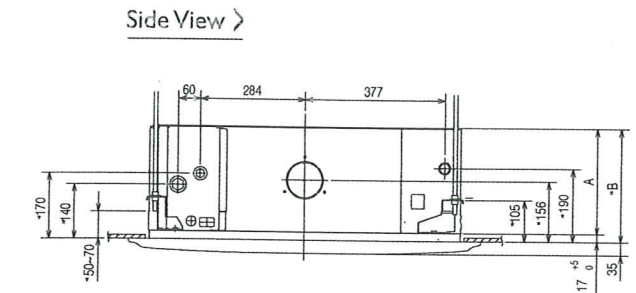
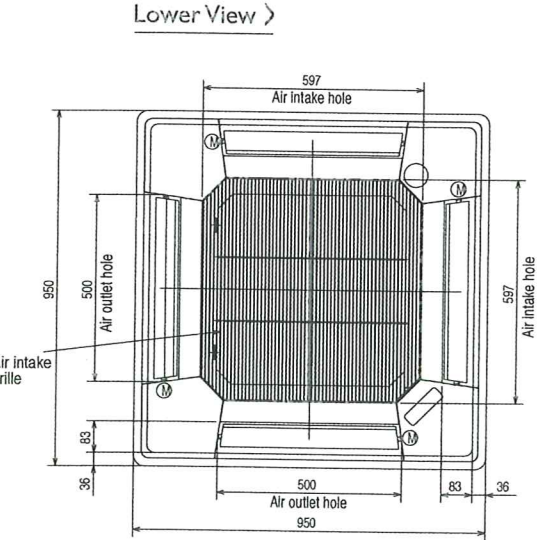
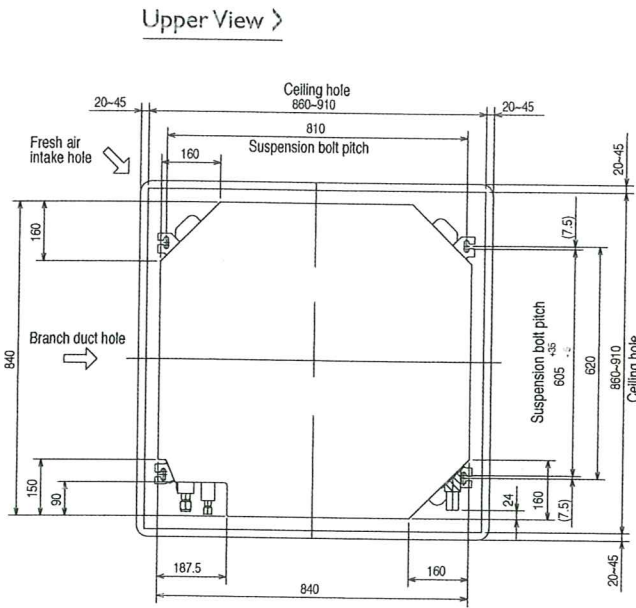
PLA-RP - INDOOR UNITS

MODEL REFERENCE		PLA-RP71BA2	PLA-RP100BA3	PLA-RP125BA2
CAPACITY (kW)	Heating (nominal)	8.0 (4.5-10.2)	11.2 (4.5-14.0)	14.0 (5.0-16.0)
	Cooling (nominal)	7.1 (4.9-8.1)	10.0 (4.9-11.4)	12.5 (5.5-14.0)
	Heating (UK)	7.9 (4.45-10.1)	11.1 (4.45-13.85)	13.85 (4.95-15.85)
	Cooling (UK)	6.55 (4.5-7.45)	9.2 (4.5-10.5)	11.5 (5.05-12.9)
SHF (nominal & UK)		0.73	0.74	0.71
COP / EER (nominal)	[3 Phase]	4.21 / 3.66	4.41 / 4.10 [4.31 / 4.00]	3.92 / 3.30
ENERGY LABEL	Heating/Cooling	A / A	A / A	A / A
AIRFLOW (m³/min)	Lo-Mid-Hi	14-16-18-21	20-23-26-30	22-25-28-31
PIPE SIZE mm(in)	Gas	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")
NOISE (dBA)	Lo-Mid-Hi	28-30-32-34	32-34-37-40	34-36-39-41
DIMENSIONS (mm) (Grille)	Width	840 (950)	840 (950)	840 (950)
	Depth	840 (950)	840 (950)	840 (950)
	Height	258 (35)	298 (35)	298 (35)
WEIGHT (kg)	Unit	23	26	27
	Panel	6	6	6
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
PHASE		Single	Single	Single
FUSE RATING (BS88) - HRC (A)		6	6	6
INTERCONNECTING CABLE No CORES		4	4	4
GRILLE REFERENCE		PLP-6BA	PLP-6BA	PLP-6BA
WIRED REMOTE CONTROLLER REFERENCE		PAR-21MAA	PAR-21MAA	PAR-21MAA

PUHZ-HRP - OUTDOOR UNITS

MODEL REFERENCE		PUHZ-HRP71VHA2	PUHZ-HRP100VHA2/YHA2	PUHZ-HRP125VHA2
NOISE (dBA)	Heating/Cooling (silent)	52 / 51 (48)	52 / 51 (48)	52 / 51 (48)
WEIGHT (kg)		120	120 / 134	134
DIMENSIONS (mm)	Width	950	950	950
	Depth	330 + 30	330 + 30	330 + 30
	Height	1350	1350	1350
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz / 380-415,50Hz	380-415,50Hz
PHASE		Single	Single / 3	3
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	1.90 / 1.94	2.54 / 2.44 [2.60 / 2.50]	3.57 / 3.79
	3 Phase] Heating/Cooling (UK)	2.76 / 1.65	3.68 / 2.07 [3.77 / 2.13]	5.18 / 3.22
STARTING CURRENT (A)		14	14 / 3	3
SYSTEM RUNNING CURRENT (A) Single Phase		8.76 / 8.89 [30]	11.76 / 11.26 [36]	-
Heating/Cooling [MAX]	3 Phase	-	4.86 / 4.69 [14]	6.37 / 6.70 [14]
FUSE RATING (BS88) - HRC (A)		32	40 / 16	16
MAINS CABLE No. Cores		3	3 / 5	5
MAX PIPE LENGTH (m)		75	75	75
MAX HEIGHT DIFFERENCE (m)		30	30	30
CHARGE R410A (kg) - 30m		5.5	5.5	5.5

INDOOR UNIT PLA-RP71-I25BA(2)(3)



Models	A	B
Size 71	241	258
Size 100-125	281	298

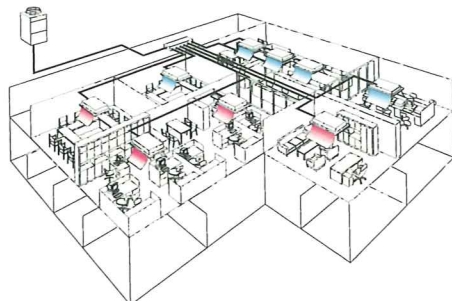
R2 Series Standard (8-18hp)

Simultaneous Heating and Cooling with Heat Recovery Outdoor Unit

Improved for even higher efficiency

Throughout the year, many buildings require cooling in some areas and heating in others - even in adjacent rooms. The outstanding City Multi R2 system meets this requirement by distributing surplus heat from cooling operations (and vice versa) to rooms where it is needed. This efficiency can result in energy savings of up to 30% over conventional systems.

- New higher efficiency inverter technology, with low start currents and wrap around coil for added efficiency
- Up to 45 indoor units connected to each outdoor unit
- Easy to install unique 2-pipe technology means minimal disruption, quicker installation and less connections than 3 pipe equivalents
- Weight and size reduction compared to YGM-A models
- Improved pipe run of 165m with a total system pipe length of up to 600m
- 100% inverter control
- High Sensible Cooling Function - By raising the off coil temperature, a 10% increase in sensible cooling capacity over standard operation is achievable, the result being greater comfort for occupants
- High Performance Heating Mode for low ambient conditions



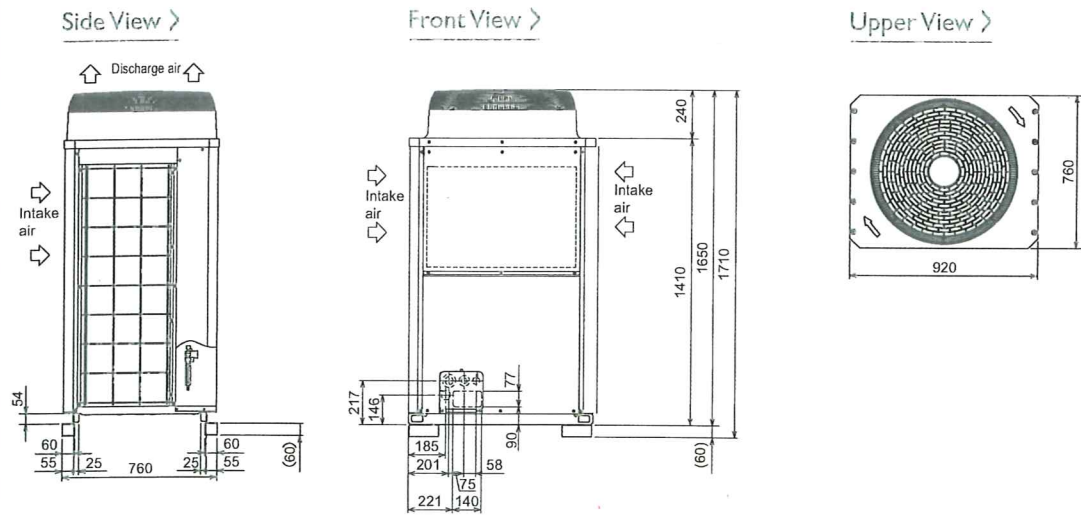
Technical Information

R2 SERIES STANDARD OUTDOOR UNITS 8-18hp						
MODEL REFERENCE		PURY-P200YJM-A	PURY-P250YJM-A	PURY-P300YJM-A	PURY-P350YJM-A	PURY-P400YJM-A
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5	45.0	50.0
	Cooling (nominal)	22.4	28.0	33.5	40.0	45.0
	High Performance Heating (UK)	25.0	31.5	35.6	42.8	47.5
	COP Priority Heating (UK)	22.8	28.7	32.3	38.7	43.0
	Cooling (UK)	21.3	26.6	31.5	37.6	42.3
POWER INPUT (kW)	Heating (nominal)	5.69	7.32	8.78	10.89	12.75
	Cooling (nominal)	5.18	7.05	8.67	11.33	13.55
	High Performance Heating (UK)	7.17	9.22	11.77	14.59	17.09
	COP Priority Heating (UK)	5.63	7.25	8.52	10.56	12.37
	Cooling (UK)	2.98	4.05	5.59	7.31	8.74
COP / EER (nominal)		4.39 / 4.32	4.30 / 3.97	4.27 / 3.86	4.13 / 3.53	3.92 / 3.32
MAX No OF CONNECTABLE INDOOR UNITS		20	25	30	35	40
AIRFLOW (m3/min)	High	185	185	185	225	225
	Low	56	57	59	60	61
NOISE (dBA)		240	240	245	270	270
WEIGHT (kg)		240	240	245	270	320
DIMENSIONS (mm)	Width	920	920	920	1220	1220
	Depth	760	760	760	760	760
	Height	1710	1710	1710	1710	1710
(1650mm without legs)						
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		3	3	3	3	3
STARTING CURRENT (A)		8	8	8	8	8
RUNNING CURRENT (A)	Heating	8.7	11.3	13.5	16.8	19.7
	Cooling	8.0	10.8	13.4	17.5	20.9
FUSE RATING (MCB sizes BS EN 60947-2) - (A)		20	20	25	32	40
MAINS CABLE No. Cores		4 + earth	4 + earth	4 + earth	4 + earth	4 + earth

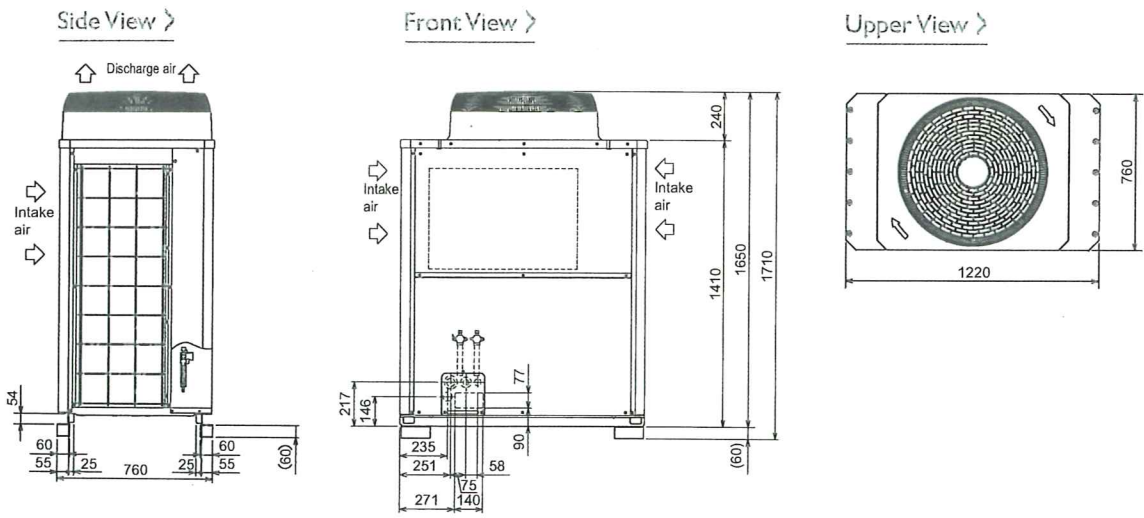
Note: For piping restrictions for PURY-P200-450YJM-A please see page 196

Dimensions

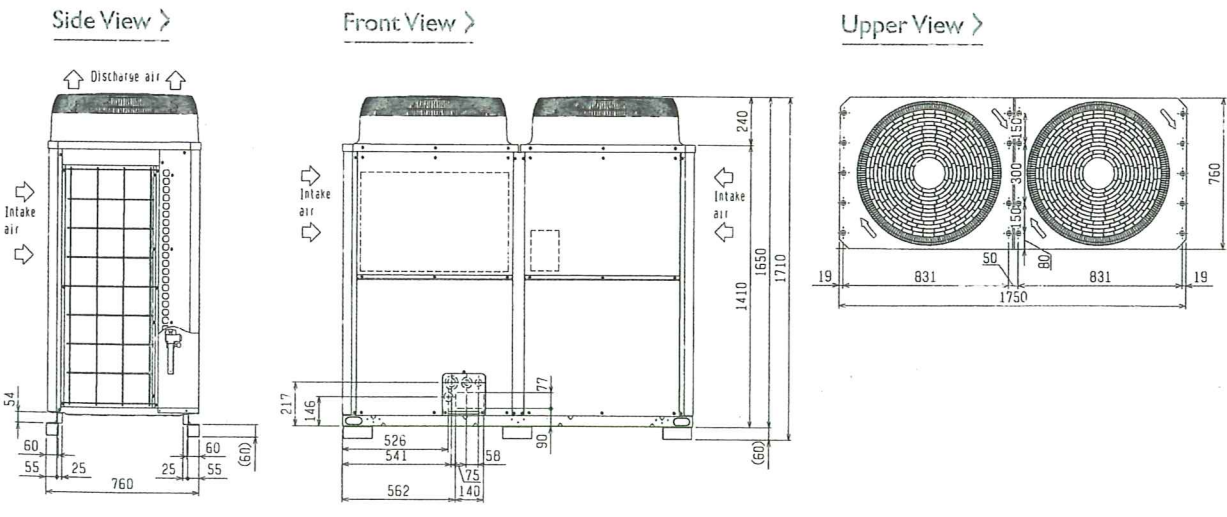
PURY-P200, 250, 300YJM-A



PURY-P350, 400YJM-A



PURY-P450YJM-A

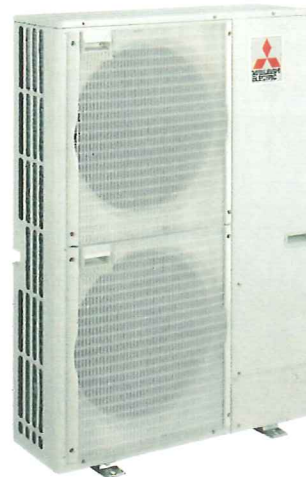


Y Series (4-6hp)

Heat Pump Outdoor Unit

The latest in Mitsubishi Electric R410A Y Series technology. The new City Multi models allow up to 12 indoor units to be connected to a single outdoor unit, using the standard branch/header pipework system proven in the larger models. Utilising the latest Mitsubishi Electric inverter technology, the system is fully controllable with all City Multi controllers or linked to third party BEMS.

- A two core non-polar transmission line allows for simple installation of up to **twelve** indoor units now
- Latest in inverter technology including a highly efficient DC Scroll Compressor, DC fan motor and Demand Control
- The condensing unit is extremely slimline which allows easy location and application of the system
- Single or three phase power supply
- Anti-Corrosion blue and flat fin technology



Technical Information

Y SERIES OUTDOOR UNITS 4-6hp

MODEL REFERENCE		PUMY-P100VHMB	PUMY-P100YHMB	PUMY-P125VHMB	PUMY-P125YHMB	PUMY-P140VHMB	PUMY-P140YHMB
CAPACITY (kW)	Heating (nominal)	12.5	12.5	16.0	16.0	18.0	18.0
	Cooling (nominal)	11.2	11.2	14.0	14.0	15.5	15.5
	Heating (UK)	10.4	10.4	13.3	13.3	14.9	14.9
	Cooling (UK)	10.3	10.3	12.9	12.9	14.3	14.3
POWER INPUT (kW)	Heating (nominal)	3.66	3.63	4.33	4.29	5.58	5.32
	Cooling (nominal)	3.34	3.30	4.32	4.27	5.35	5.32
	Heating (UK)	3.27	3.23	3.85	3.82	4.99	4.73
	Cooling (UK)	2.84	2.81	3.66	3.63	4.53	4.52
COP / EER (nominal)		3.42 / 3.35	3.44 / 3.39	3.69 / 3.24	3.73 / 3.28	3.23 / 2.90	3.38 / 2.91
Max no. OF CONNECTABLE INDOOR UNITS		8	8	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)		100	100	100	100	100	100
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")
NOISE (dBA)		49	49	50	50	51	51
WEIGHT (kg)		129	142	129	142	129	142
DIMENSIONS (mm)	Width	950	950	950	950	950	950
	Depth	330+30	330+30	330+30	330+30	330+30	330+30
	Height	1350	1350	1350	1350	1350	1350
ELECTRICAL SUPPLY		220-240v, 50Hz	380-415v, 50Hz	220-240v, 50Hz	380-415v, 50Hz	220-240v, 50Hz	380-415v, 50Hz
PHASE		Single	3	Single	3	Single	3
STARTING CURRENT (A)		5	5	5	5	5	5
RUNNING CURRENT (A)	Heating	15.5	5.32	18.3	6.29	23.6	7.8
	Cooling	14.1	4.84	18.3	6.26	22.7	7.8
GUARANTEED OPERATING RANGE	Cooling	-5°C ~ 46°C	-5°C ~ 46°C	-5°C ~ 46°C	-5°C ~ 46°C	-5°C ~ 46°C	-5°C ~ 46°C
	Heating	-15°C ~ 15°C	-15°C ~ 15°C	-15°C ~ 15°C	-15°C ~ 15°C	-15°C ~ 15°C	-15°C ~ 15°C
FUSE RATING (BS88) - HRC (A)		32	16	32	16	32	16
MAINS CABLE No. Cores		3	4 + earth	3	4 + earth	3	4 + earth

PUMY-P100-140VHMB/YHMB Piping Restrictions

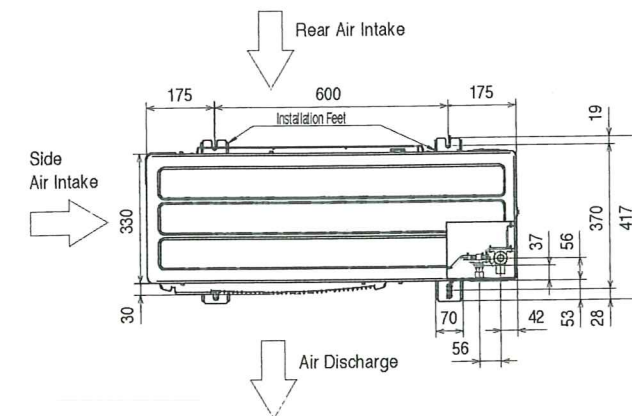
TOTAL PIPING LENGTH	120m max
FURTHEST PIPING LENGTH	80m max
FURTHEST PIPING LENGTH AFTER 1st BRANCH	30m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (20m max if outdoor installed below)
BETWEEN INDOOR AND INDOOR UNITS - HEIGHT	12m max

Optional Parts

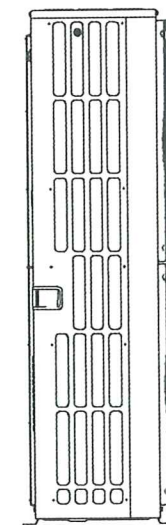
Model Name	Description
CMY-Y62-G-E	Branch Pipe (2 Branch)

PUMY-P100-140VHMB/YHMB

Upper View >



Side View >



Front View >

