Air Conditioning | Product Information

MITSUBISHI ELECTRIC

R2 Series Standard Efficiency Heat Recovery (22-45kW)

CITY MULTI YXM

Many buildings require heating and cooling simultaneously, even between adjacent rooms. The **City Multi R2 Heat Recovery system** efficiently redistributes surplus heat where it's needed, delivering up to 30% energy savings over conventional systems.

As the only 2-pipe heat recovery solution on the market, the modular City Multi R2 range simplifies installation and maintenance while offering complete design flexibility for applications such as hotels, offices, and leisure spaces.

R32

Key Features & Benefits:

- **Heat Recovery Operation** - Delivers up to 30% energy savings compared to heat pump systems through advanced heat recovery
- **Lower GWP R32 Refrigerant** - for reduced carbon impact and future-ready legislation compliance
- **Simultaneous Heating & Cooling** - Meets diverse comfort needs across different zones at the same time for optimal occupant satisfaction
- **Unique 2-Pipe System** - Simplifies installation and maintenance while reducing system complexity
- **Ultra-Compact Modular Design** - Smaller unit footprint allows installation in tight spaces without compromising on performance
- **Broad Indoor Unit Compatibility** - Connects to a wide range of unit types and capacities, making it suitable for varied building applications
- **Extended Heating Range (-25°C)** - Ensures reliable heating even in severe winter conditions by maintaining efficient system operation
- **Easy-to-Maintain Safety Feature Options** - For reduced onsite time and costs while supporting occupant peace of mind
- **Enhanced Defrost Technology** - Reduces system downtime during defrost cycles, minimising temperature fluctuations and maintaining reliable indoor heating for consistent occupant comfort
- **Low Noise Operation** - Features a 5-step low noise mode that minimises sound levels for quieter surroundings
- **113m Vertical Height Separation** - Offers generous height allowance between indoor and outdoor units, enabling design flexibility in larger buildings

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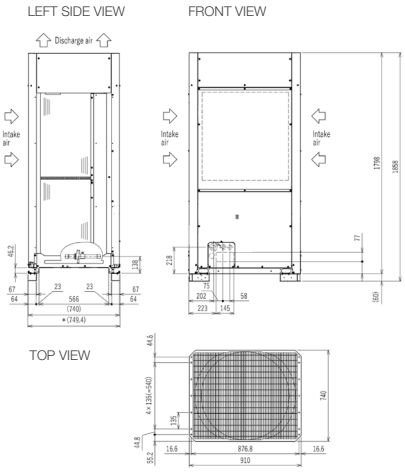
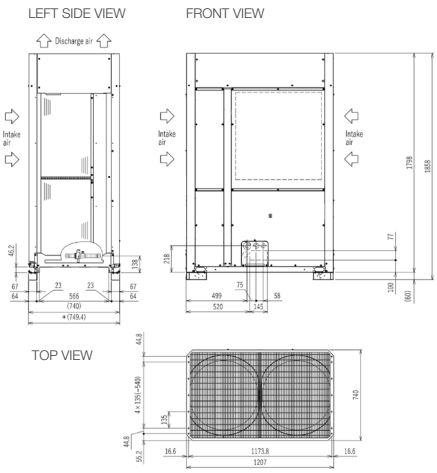
PURY-M-Y(S)XM-A OUTDOOR UNITS		PURY-M200YXM-A	PURY-M250YXM-A	PURY-M300YXM-A	PURY-M350YXM-A	PURY-M400YMX-A	PURY-M400YSXM-A
CAPACITY (kW)	Heating (Max)	25.0	31.5	37.5	45.0	50.0	50.0
	Cooling (nominal)	22.4	28.0	33.5	40.0	45.0	44.8
	High Performance Heating (UK)	TBC	TBC	TBC	TBC	TBC	TBC
	COP Priority Heating (UK)	TBC	TBC	TBC	TBC	TBC	TBC
	Cooling (UK)	TBC	TBC	TBC	TBC	TBC	TBC
POWER INPUT (kW)	Heating (Max)	5.65	7.79	9.61	12.64	14.04	11.68
	Cooling (nominal)	5.53	7.79	9.43	11.62	13.39	11.17
	High Performance Heating (UK)	TBC	TBC	TBC	TBC	TBC	TBC
	COP Priority Heating (UK)	TBC	TBC	TBC	TBC	TBC	TBC
	Cooling (UK)	TBC	TBC	TBC	TBC	TBC	TBC
COP / EER (Max/Nominal)		4.42 / 4.05	4.04 / 3.59	3.90 / 3.55	3.56 / 3.44	3.56 / 3.36	4.28 / 4.01
SCOP / SEER		4.69 / 7.72	4.66 / 7.37	4.66 / 7.66	4.71 / 7.89	4.56 / 7.53	4.69 / 7.67
MAX NO. OF CONNECTABLE INDOOR UNITS		14	18	22	25	29	29
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 (m^3/min)	High	170	180	235	220	260	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	57.5 / 56.0	58.0 / 56.0	63.5 / 60.5	63.0 / 57.5	64.0 / 61.0	61.0 / 60.0
SOUND POWER LEVEL (dBA) @ 100% Capacity	Heating / Cooling	78.0 / 75.0	79.0 / 78.0	83.0 / 80.0	82.0 / 78.0	86.0 / 82.0	82.0 / 79.0
SOUND POWER LEVEL (dBA) @ 90% Capacity	Heating / Cooling	TBC	TBC	TBC	TBC	TBC	TBC
SOUND POWER LEVEL (dBA) @ 75% Capacity	Heating / Cooling	TBC	TBC	TBC	TBC	TBC	TBC
WEIGHT (kg)		265	265	266	322	327	265 +265
DIMENSIONS (mm)	Width	910	910	910	1207	1207	910 + 910
	Depth	740	740	740	740	740	740
(1798mm without legs)	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		TBC	TBC	TBC	TBC	TBC	TBC
NOMINAL SYSTEM RUNNING CURRENT (A)*1	Heating / Cooling [MAX]	9.0 / 8.8 [TBC]	12.4 / 12.4 [TBC]	15.4 / 15.1 [TBC]	20.2 / 18.6 [TBC]	22.5 / 21.4 [TBC]	18.7 / 17.9 [TBC]
GUARANTEED OPERATING RANGE (°c)	Heating / Cooling	-25~15.5 / -5~52	-25~15.5 / -5~52	-25~15.5 / -5~52	-25~15.5 / -5~52	-25~15.5 / -5~52	-25~15.5 / -5~52
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*1		TBC	TBC	TBC	TBC	TBC	TBC
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) R32 (GWP 675)		8.0 / 5.4	8.0 / 5.4	8.0 / 5.4	9.3 / 6.3	9.3 / 6.3	16.0 / 10.8
MAX ADDITIONAL REFRIGERANT (kg) / CO_2 EQUIVALENT (t) R32 (GWP 675)		TBC	TBC	TBC	TBC	TBC	TBC

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

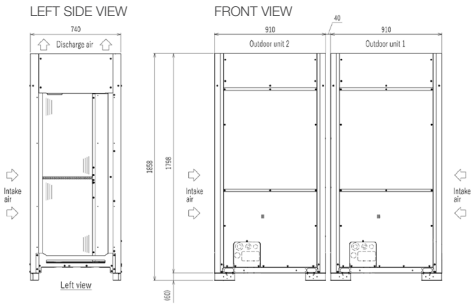
PURY-M200/250/300-YXM-A DIMENSIONS



PURY-M350/400-YXM-A DIMENSIONS



PURY-M400YSXM-A DIMENSIONS



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Changes for the Better

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Note: The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R515B (GWP:292), R454C (GWP:148), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a hydrocarbon, R290 (GWP:0.02). *These GWP values are based on IPCC 6th edition.

Effective as of December 2025

Green Gateway greengateway.mitsubishielectric.co.uk