

# Air Conditioning

## Product Information

**PUHY-EP650YSLM-A1**  
Heat Pump Outdoor Unit

Making a  
World of  
Difference

CITY MULTI



The City Multi High COP Y Series makes use of a two pipe refrigerant circuit throughout, with branch pipes feeding indoor units, allowing manual changeover from cooling to heating to ensure that a constant indoor climate is maintained.

### Key Features

- Designed from day 1 for seasonal efficiency
- Flat tube aluminium micro-channel heat exchanger protected with a sacrificial zinc coating – a world's first in VRF providing higher heat transfer, improved efficiency and reduced weight, size and refrigerant volume
- New energy-saving inverter driven compressor with very low start currents
- Reduced standby power by up to 50% using induction heated compressor
- By changing the system evaporating temperature, there are various options for indoor units to offer increased air off temperatures, higher SHF and improved comfort, with the benefit of energy saving
- A choice of standard reverse defrost or a continued supply of heating during the defrost cycle



Air Conditioning | Heating  
Ventilation | Controls

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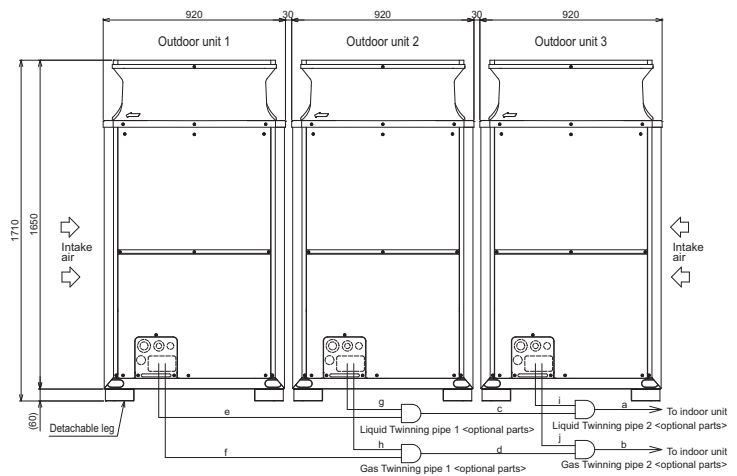
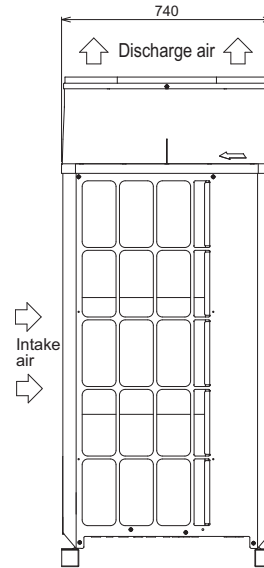
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PUHY - OUTDOOR UNIT		PUHY-EP650YSLM-A1
CAPACITY (kW)	Heating (nominal)	81.5
	Cooling (nominal)	73.0
	High Performance Heating (UK)	73.8
	COP Priority Heating (UK)	70.9
	Cooling (UK)	64.8
POWER INPUT (kW)	Heating (nominal)	20.07
	Cooling (nominal)	18.15
	High Performance Heating (UK)	22.91
	COP Priority Heating (UK)	18.33
	Cooling (UK)	8.59
COP / EER (nominal)		4.06 / 4.02
SCOP / SEER (system)		5.40 / 8.48
MAX No. OF CONNECTABLE INDOOR UNITS		50
MAX CONNECTABLE CAPACITY		50~130% OU Capacity
AIRFLOW (m <sup>3</sup> /min)	High	175 / 175 / 175
	Gas	28.58 (1-1/8")
PIPE SIZE mm (in)	Gas	28.58 (1-1/8")
	Liquid	15.88 (5/8")
SOUND PRESSURE LEVEL (dBA)		63
SOUND POWER LEVEL (dBA)		84.5
WEIGHT (kg)		200 + 200 + 200
DIMENSIONS (mm)	Width	920 + 920 + 920
	Depth	740
	Height	1710
(1650mm without legs)		
ELECTRICAL SUPPLY*		380-415v, 50Hz
PHASE*		Three
STARTING CURRENT (A)*		8 / 8 / 8
NOMINAL SYSTEM RUNNING CURRENT (A)*		31.0 / 28.0 [18.1+16.1+16.1]
Heating / Cooling [MAX]		
GUARANTEED OPERATING RANGE (°C)		-20~-15.5 / -5~-52
Heating / Cooling		
FUSE RATING (MCB sizes BS EN 60947-2) - (A)*		1 x 20 / 1 x 20 / 1 x 20
MAINS CABLE No. Cores*		4

## DIMENSIONS



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



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**Note:** The fuse rating is for guidance only. 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 and heat pump systems contain fluorinated greenhouse gases R410A, R407C and R134a.



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to the environment

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Effective as of April 2015