Air Conditioning

Product Information

PUHY-P1050YSJM-A: Standard Y Series

42hp Outdoor Unit

R410A Heat Pump





The City Multi 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.



FEATURES













Heating Power Input (kW) (nominal) 34.1	OUTDOOR	
High Performance Heating Capacity (kW) (UK) 125.4 COP Priority Heating Capacity (kW) (UK) 116.2 Cooling Capacity (kW) (UK) 108.6 Heating Power Input (kW) (nominal) 34.1 Cooling Power Input (kW) (nominal) 33.81 High Performance Heating Power Input (kW) (UK) 45.35 COP Priority Heating Power Input (kW) (UK) 31.37 Cooling Power Input (kW) (UK) 20.62 COP / EER (nominal) 3.87 / 3.49 SCOP / SEER 4.91 / 6.34 Max No. of Connectable Indoor Units 50 Airflow (m³/min) 210 / 210 / 170 Sound Pressure Level (dBA) 65 Sound Power Level (dBA) 85 Weight (kg) 250 + 250 + 255 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (fm) 40 Between Indoor and Outdoor units - Height (m) 50	Heating Capacity (kW) (nominal)	132
COP Priority Heating Capacity (kW) (UK) 116.2 Cooling Capacity (kW) (UK) 108.6 Heating Power Input (kW) (nominal) 34.1 Cooling Power Input (kW) (nominal) 33.81 High Performance Heating Power Input (kW) (UK) 45.35 COP Priority Heating Power Input (kW) (UK) 31.37 Cooling Power Input (kW) (UK) 20.62 COP / EER (nominal) 3.87 / 3.49 SCOP / SEER 4.91 / 6.34 Max No. of Connectable Indoor Units 50 Airflow (m³/min) 210 / 210 / 170 Sound Pressure Level (dBA) 65 Sound Power Level (dBA) 85 Weight (kg) 250 + 250 + 250 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (fm) 40 Between Indoor and Outdoor units - Height (m) 50	Cooling Capacity (kW) (nominal)	118
Cooling Capacity (kW) (UK) 108.6 Heating Power Input (kW) (nominal) 34.1 Cooling Power Input (kW) (nominal) 33.81 High Performance Heating Power Input (kW) (UK) 45.35 COP Priority Heating Power Input (kW) (UK) 31.37 Cooling Power Input (kW) (UK) 20.62 COP / EER (nominal) 3.87 / 3.49 SCOP / SEER 4.91 / 6.34 Max No. of Connectable Indoor Units 50 Airflow (m³/min) 210 / 210 / 170 Sound Power Level (dBA) 65 Sound Power Level (dBA) 85 Weight (kg) 250 + 250 + 251 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length After First Branch (m) 40	High Performance Heating Capacity (kW) (UK)	125.4
Heating Power Input (kW) (nominal) 34.1	COP Priority Heating Capacity (kW) (UK)	116.2
Cooling Power Input (kW) (nominal) 33.81 High Performance Heating Power Input (kW) (UK) 45.35 COP Priority Heating Power Input (kW) (UK) 31.37 Cooling Power Input (kW) (UK) 20.62 COP / EER (nominal) 3.87 / 3.49 SCOP / SEER 4.91 / 6.34 Max No. of Connectable Indoor Units 50 Airflow (m³/min) 210 / 210 / 170 Sound Power Level (dBA) 65 Sound Power Level (dBA) 85 Weight (kg) 250 + 250 + 251 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Cooling Capacity (kW) (UK)	108.6
High Performance Heating Power Input (kW) (UK) 45.35 COP Priority Heating Power Input (kW) (UK) 31.37 Cooling Power Input (kW) (UK) 20.62 COP / EER (nominal) 3.87 / 3.49 SCOP / SEER 4.91 / 6.34 Max No. of Connectable Indoor Units 50 Airflow (m³/min) 210 / 210 / 170 Sound Power Level (dBA) 85 Weight (kg) 250 + 250 + 251 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Heating Power Input (kW) (nominal)	34.1
COP Priority Heating Power Input (kW) (UK) 31.37 Cooling Power Input (kW) (UK) 20.62 COP / EER (nominal) 3.87 / 3.49 SCOP / SEER 4.91 / 6.34 Max No. of Connectable Indoor Units 50 Airflow (m³/min) 210 / 210 / 170 Sound Pressure Level (dBA) 65 Sound Power Level (dBA) 85 Weight (kg) 250 + 250 + 215 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (fm) 40 Between Indoor and Outdoor units - Height (m) 50	Cooling Power Input (kW) (nominal)	33.81
Cooling Power Input (kW) (UK) 20.62 COP / EER (nominal) 3.87 / 3.49 SCOP / SEER 4.91 / 6.34 Max No. of Connectable Indoor Units 50 Airflow (m³/min) 210 / 210 / 170 Sound Pressure Level (dBA) 65 Sound Power Level (dBA) 85 Weight (kg) 250 + 250 + 215 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) 8 / 8 / 8 Running Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (fm) 40 Between Indoor and Outdoor units - Height (m) 50	High Performance Heating Power Input (kW) (UK)	45.35
COP / EER (nominal) 3.87 / 3.49 SCOP / SEER 4.91 / 6.34 Max No. of Connectable Indoor Units 50 Airflow (m³/min) 210 / 210 / 170 Sound Pressure Level (dBA) 65 Sound Power Level (dBA) 85 Weight (kg) 250 + 250 + 215 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) 8 / 8 / 8 Running Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	COP Priority Heating Power Input (kW) (UK)	31.37
SCOP / SEER 4.91 / 6.34 Max No. of Connectable Indoor Units 50 Airflow (m³/min) 210 / 210 / 170 Sound Pressure Level (dBA) 65 Sound Power Level (dBA) 85 Weight (kg) 250 + 250 + 215 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) 8 / 8 / 8 Running Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Cooling Power Input (kW) (UK)	20.62
Max No. of Connectable Indoor Units 50 Airflow (m³/min) 210 / 210 / 170 Sound Pressure Level (dBA) 65 Sound Power Level (dBA) 85 Weight (kg) 250 + 250 + 215 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) 8 / 8 / 8 Running Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	COP / EER (nominal)	3.87 / 3.49
Airflow (m³/min) 210 / 210 / 170 Sound Pressure Level (dBA) 65 Sound Power Level (dBA) 85 Weight (kg) 250 + 250 + 215 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) 8 / 8 / 8 Running Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (m) 165 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	SCOP / SEER	4.91 / 6.34
Sound Pressure Level (dBA) 65 Sound Power Level (dBA) 85 Weight (kg) 250 + 250 + 215 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) 8 / 8 / 8 Running Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Max No. of Connectable Indoor Units	50
Sound Power Level (dBA) 85 Weight (kg) 250 + 250 + 215 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 17710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) 8 / 8 / 8 Running Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (m) 165 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Airflow (m³/min)	210 / 210 / 170
Weight (kg) 250 + 250 + 250 + 215 Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) 8 / 8 / 8 Running Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (m) 165 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Sound Pressure Level (dBA)	65
Dimensions (mm) Width x Depth x Height 1220 + 1220 + 920 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) 8 / 8 / 8 Running Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (m) 165 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Sound Power Level (dBA)	85
1710 Electrical Supply 380-415V, 50HZ	Weight (kg)	250 + 250 + 215
Phase 3 Starting Current (A) 8 / 8 / 8 Running Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (m) 165 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Dimensions (mm) Width x Depth x Height	1220 + 1220 + 920 x 760 x 1710
Starting Current (A) 8 / 8 / 8 Running Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (m) 165 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Electrical Supply	380-415V, 50HZ
Running Current (A) - Heating 52.7 Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (m) 165 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Phase	3
Running Current (A) - Cooling 52.2 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (m) 165 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Starting Current (A)	8/8/8
Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 / 25 Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (m) 165 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Running Current (A) - Heating	52.7
Mains Cable No. Cores 4 + EARTH PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (m) 165 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Running Current (A) - Cooling	52.2
PIPING RESTRICTIONS Total Piping Length (m) 1000 Furthest Piping Length (m) 165 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Fuse Rating (MCB sizes BS EN 60947-2) - (A)	32 / 32 / 25
Total Piping Length (m) 1000 Furthest Piping Length (m) 165 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Mains Cable No. Cores	4 + EARTH
Furthest Piping Length (m) 165 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	PIPING RESTRICTIONS	
Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Total Piping Length (m)	1000
Between Indoor and Outdoor units - Height (m) 50	Furthest Piping Length (m)	165
- · · ·	Furthest Piping Length After First Branch (m)	40
Between Indoor and Indoor units - Height (m) 15	Between Indoor and Outdoor units - Height (m)	50
	Between Indoor and Indoor units - Height (m)	15

DIMENSIONS

PUHY-P1050YSJM-A





