## Air Conditioning

## **Product Information**

PUHY-P700YSJM-A: Standard Y Series 28hp

**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 Capacity (kW) (nominal)         88           Cooling Capacity (kW) (nominal)         80           High Performance Heating Capacity (kW) (UK)         88           COP Priority Heating Capacity (kW) (UK)         76.6           Cooling Capacity (kW) (UK)         73.6           Heating Power Input (kW) (nominal)         22.27           Cooling Power Input (kW) (nominal)         22.47           High Performance Heating Power Input (kW) (UK)         28.06           COP Priority Heating Power Input (kW) (UK)         20.71           Cooling Power Input (kW) (UK)         20.71           Cooling Power Input (kW) (UK)         3.95 / 3.56           SCOP / SEER         5.06 / 6.2           Max No. of Connectable Indoor Units         50           Airflow (m³/min)         210 / 210           Sound Pressure Level (dBA)         63           Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A) - Heating         34.4           Running Current (A) - Heating         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)	OUTDOOR	
High Performance Heating Capacity (kW) (UK)         88           COP Priority Heating Capacity (kW) (UK)         76.6           Cooling Capacity (kW) (UK)         73.6           Heating Power Input (kW) (nominal)         22.27           Cooling Power Input (kW) (nominal)         22.47           High Performance Heating Power Input (kW) (UK)         28.06           COP Priority Heating Power Input (kW) (UK)         20.71           Cooling Power Input (kW) (UK)         14.49           COP / EER (nominal)         3.95 / 3.56           SCOP / SEER         5.06 / 6.2           Max No. of Connectable Indoor Units         50           Airflow (m³/min)         210 / 210           Sound Pressure Level (dBA)         63           Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           Mains Cable No. Cores         4 + EARTH     <	Heating Capacity (kW) (nominal)	88
COP Priority Heating Capacity (kW) (UK) 76.6 Cooling Capacity (kW) (UK) 73.6 Heating Power Input (kW) (nominal) 22.27 Cooling Power Input (kW) (nominal) 22.47 High Performance Heating Power Input (kW) (UK) 28.06 COP Priority Heating Power Input (kW) (UK) 20.71 Cooling Power Input (kW) (UK) 14.49 COP / EER (nominal) 3.95 / 3.56 SCOP / SEER 5.06 / 6.2 Max No. of Connectable Indoor Units 50 Airflow (m³/min) 210 / 210 Sound Pressure Level (dBA) 63 Sound Power Level (dBA) 83 Weight (kg) 250 + 250 Dimensions (mm) Width x Depth x Height 1220 + 1220 x 760 x 1710 Electrical Supply 380-415V, 50HZ Phase 3 Starting Current (A) - Heating 34.4 Running Current (A) - Cooling 34.7 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 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) (nominal)	80
Cooling Capacity (kW) (UK)         73.6           Heating Power Input (kW) (nominal)         22.27           Cooling Power Input (kW) (nominal)         22.47           High Performance Heating Power Input (kW) (UK)         28.06           COP Priority Heating Power Input (kW) (UK)         20.71           Cooling Power Input (kW) (UK)         14.49           COP / EER (nominal)         3.95 / 3.56           SCOP / SEER         5.06 / 6.2           Max No. of Connectable Indoor Units         50           Airflow (m³/min)         210 / 210           Sound Pressure Level (dBA)         63           Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A) - Heating         3.4           Running Current (A) - Cooling         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         1000           Furthest Pipin	High Performance Heating Capacity (kW) (UK)	88
Heating Power Input (kW) (nominal)         22.27           Cooling Power Input (kW) (nominal)         22.47           High Performance Heating Power Input (kW) (UK)         28.06           COP Priority Heating Power Input (kW) (UK)         20.71           Cooling Power Input (kW) (UK)         14.49           COP / EER (nominal)         3.95 / 3.56           SCOP / SEER         5.06 / 6.2           Max No. of Connectable Indoor Units         50           Airflow (m³/min)         210 / 210           Sound Pressure Level (dBA)         63           Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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 <td>COP Priority Heating Capacity (kW) (UK)</td> <td>76.6</td>	COP Priority Heating Capacity (kW) (UK)	76.6
Cooling Power Input (kW) (nominal)         22.47           High Performance Heating Power Input (kW) (UK)         28.06           COP Priority Heating Power Input (kW) (UK)         20.71           Cooling Power Input (kW) (UK)         14.49           COP / EER (nominal)         3.95 / 3.56           SCOP / SEER         5.06 / 6.2           Max No. of Connectable Indoor Units         50           Airflow (m³/min)         210 / 210           Sound Pressure Level (dBA)         63           Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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)	73.6
High Performance Heating Power Input (kW) (UK)         28.06           COP Priority Heating Power Input (kW) (UK)         20.71           Cooling Power Input (kW) (UK)         14.49           COP / EER (nominal)         3.95 / 3.56           SCOP / SEER         5.06 / 6.2           Max No. of Connectable Indoor Units         50           Airflow (m³/min)         210 / 210           Sound Pressure Level (dBA)         63           Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A) - Heating         34.4           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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)	22.27
COP Priority Heating Power Input (kW) (UK)         20.71           Cooling Power Input (kW) (UK)         14.49           COP / EER (nominal)         3.95 / 3.56           SCOP / SEER         5.06 / 6.2           Max No. of Connectable Indoor Units         50           Airflow (m³/min)         210 / 210           Sound Pressure Level (dBA)         63           Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A) - Heating         34.4           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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) (nominal)	22.47
Cooling Power Input (kW) (UK)         14.49           COP / EER (nominal)         3.95 / 3.56           SCOP / SEER         5.06 / 6.2           Max No. of Connectable Indoor Units         50           Airflow (m³/min)         210 / 210           Sound Pressure Level (dBA)         63           Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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	High Performance Heating Power Input (kW) (UK)	28.06
COP / EER (nominal)         3.95 / 3.56           SCOP / SEER         5.06 / 6.2           Max No. of Connectable Indoor Units         50           Airflow (m³/min)         210 / 210           Sound Pressure Level (dBA)         63           Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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)	20.71
SCOP / SEER         5.06 / 6.2           Max No. of Connectable Indoor Units         50           Airflow (m³/min)         210 / 210           Sound Pressure Level (dBA)         63           Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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)	14.49
Max No. of Connectable Indoor Units         50           Airflow (m³/min)         210 / 210           Sound Pressure Level (dBA)         63           Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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)	3.95 / 3.56
Airflow (m³/min)         210 / 210           Sound Pressure Level (dBA)         63           Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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	5.06 / 6.2
Sound Pressure Level (dBA)         63           Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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	Max No. of Connectable Indoor Units	50
Sound Power Level (dBA)         83           Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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	Airflow (m³/min)	210 / 210
Weight (kg)         250 + 250           Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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	Sound Pressure Level (dBA)	63
Dimensions (mm) Width x Depth x Height         1220 + 1220 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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	Sound Power Level (dBA)	83
Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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	Weight (kg)	250 + 250
Phase         3           Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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	Dimensions (mm) Width x Depth x Height	1220 + 1220 x 760 x 1710
Starting Current (A)         8 / 8           Running Current (A) - Heating         34.4           Running Current (A) - Cooling         34.7           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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 34.4 Running Current (A) - Cooling 34.7 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 32 / 32 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       34.7         Fuse Rating (MCB sizes BS EN 60947-2) - (A)       32 / 32         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
Fuse Rating (MCB sizes BS EN 60947-2) - (A)         32 / 32           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	34.4
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	34.7
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
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
J ( )	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-P700YSJM-A





