## Air Conditioning

## **Product Information**

PUHY-RP700YSJM-B : Replace Multi Y Series

28hp Outdoor

R410A Heat Pump





The latest VRF Replace Multi from Mitsubishi Electric is specifically designed for the maturing refurbishment sector, enabling the reuse of existing R22/R407c pipework, whilst also allowing the upgrade to some of the most efficient systems available in the market.



## **FEATURES**











Heating Capacity (kW) (nominal)         88           Cooling Capacity (kW) (nominal)         80           High Performance Heating Capacity (kW) (UK)         84.5           COP Priority Heating Capacity (kW) (UK)         76.6           Cooling Capacity (kW) (UK)         73.6           Heating Power Input (kW) (nominal)         20.13           Cooling Power Input (kW) (nominal)         22.22           High Performance Heating Power Input (kW) (UK)         18.72           COP Priority Heating Power Input (kW) (UK)         18.66           COP / Priority Heating Power Input (kW) (UK)         18.66           COP / EER (nominal)         4.37 / 3.6           SCOP / SEER         - / 6.03           Max No. of Connectable Indoor Units         32           Airflow (m³/min)         185 / 185 / 185           Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A) - Heating         33           Running Current (A) - Heating         33           Fuse Rating (MCB sizes BS EN 60947-2)	OUTDOOR	
High Performance Heating Capacity (kW) (UK)         84.5           COP Priority Heating Capacity (kW) (UK)         76.6           Cooling Capacity (kW) (UK)         73.6           Heating Power Input (kW) (nominal)         20.13           Cooling Power Input (kW) (nominal)         22.22           High Performance Heating Power Input (kW) (UK)         26.57           COP Priority Heating Power Input (kW) (UK)         18.66           COP / EER (nominal)         4.37 / 3.6           SCOP / SEER         - / 6.03           Max No. of Connectable Indoor Units         32           Airflow (m³/min)         185 / 185 / 185           Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250	Heating Capacity (kW) (nominal)	88
COP Priority Heating Capacity (kW) (UK)         76.6           Cooling Capacity (kW) (UK)         73.6           Heating Power Input (kW) (nominal)         20.13           Cooling Power Input (kW) (nominal)         22.22           High Performance Heating Power Input (kW) (UK)         26.57           COP Priority Heating Power Input (kW) (UK)         18.72           Cooling Power Input (kW) (UK)         18.66           COP / EER (nominal)         4.37 / 3.6           SCOP / SEER         - / 6.03           Max No. of Connectable Indoor Units         32           Airflow (m³/min)         185 / 185 / 185           Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 250           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A) - Heating         33           Running Current (A) - Heating         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250	Cooling Capacity (kW) (nominal)	80
Cooling Capacity (kW) (UK)         73.6           Heating Power Input (kW) (nominal)         20.13           Cooling Power Input (kW) (nominal)         22.22           High Performance Heating Power Input (kW) (UK)         26.57           COP Priority Heating Power Input (kW) (UK)         18.72           Cooling Power Input (kW) (UK)         18.66           COP / EER (nominal)         4.37 / 3.6           SCOP / SEER         - / 6.03           Max No. of Connectable Indoor Units         32           Airflow (m³/min)         185 / 185 / 185           Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A) - Heating         33           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250	High Performance Heating Capacity (kW) (UK)	84.5
Heating Power Input (kW) (nominal)         20.13           Cooling Power Input (kW) (nominal)         22.22           High Performance Heating Power Input (kW) (UK)         26.57           COP Priority Heating Power Input (kW) (UK)         18.72           Cooling Power Input (kW) (UK)         18.66           COP / EER (nominal)         4.37 / 3.6           SCOP / SEER         - / 6.03           Max No. of Connectable Indoor Units         32           Airflow (m³/min)         185 / 185 / 185           Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Phase         3           Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         100           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)         22.22           High Performance Heating Power Input (kW) (UK)         26.57           COP Priority Heating Power Input (kW) (UK)         18.72           Cooling Power Input (kW) (UK)         18.66           COP / EER (nominal)         4.37 / 3.6           SCOP / SEER         - / 6.03           Max No. of Connectable Indoor Units         32           Airflow (m³/min)         185 / 185 / 185           Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Phase         3           Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           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)         26.57           COP Priority Heating Power Input (kW) (UK)         18.72           Cooling Power Input (kW) (UK)         18.66           COP / EER (nominal)         4.37 / 3.6           SCOP / SEER         - / 6.03           Max No. of Connectable Indoor Units         32           Airflow (m³/min)         185 / 185 / 185           Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A) - Heating         33           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	Heating Power Input (kW) (nominal)	20.13
COP Priority Heating Power Input (kW) (UK)         18.72           Cooling Power Input (kW) (UK)         18.66           COP / EER (nominal)         4.37 / 3.6           SCOP / SEER         - / 6.03           Max No. of Connectable Indoor Units         32           Airflow (m³/min)         185 / 185 / 185           Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	Cooling Power Input (kW) (nominal)	22.22
Cooling Power Input (kW) (UK)         18.66           COP / EER (nominal)         4.37/3.6           SCOP / SEER         -/6.03           Max No. of Connectable Indoor Units         32           Airflow (m³/min)         185 / 185 / 185           Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	High Performance Heating Power Input (kW) (UK)	26.57
COP / EER (nominal)         4.37 / 3.6           SCOP / SEER         - / 6.03           Max No. of Connectable Indoor Units         32           Airflow (m³/min)         185 / 185 / 185           Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	COP Priority Heating Power Input (kW) (UK)	18.72
SCOP / SEER         - / 6.03           Max No. of Connectable Indoor Units         32           Airflow (m³/min)         185 / 185 / 185           Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS         250           Furthest Piping Length (m)         100           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	Cooling Power Input (kW) (UK)	18.66
Max No. of Connectable Indoor Units         32           Airflow (m³/min)         185 / 185 / 185           Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	COP / EER (nominal)	4.37 / 3.6
Airflow (m³/min)         185 / 185 / 185           Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length (m)         100           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	SCOP / SEER	- / 6.03
Sound Pressure Level (dBA)         61.5           Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length (m)         100           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	Max No. of Connectable Indoor Units	32
Sound Power Level (dBA)         81.5           Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length (m)         100           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	Airflow (m³/min)	185 / 185 / 185
Weight (kg)         255 + 255 + 230           Dimensions (mm) Width x Depth x Height         920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	Sound Pressure Level (dBA)	61.5
Dimensions (mm) Width x Depth x Height         920 + 920 + 920 + 920 x 760 x 1710           Electrical Supply         380-415V, 50HZ           Phase         3           Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	Sound Power Level (dBA)	81.5
1710   Electrical Supply   380-415V, 50HZ     Phase   3     Starting Current (A)   8 / 8 / 8     Running Current (A) - Heating   33     Running Current (A) - Cooling   36.4     Fuse Rating (MCB sizes BS EN 60947-2) - (A)   20 / 20 / 20     Mains Cable No. Cores   4 + EARTH     PIPING RESTRICTIONS	Weight (kg)	255 + 255 + 230
Phase         3           Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length (m)         100           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	Dimensions (mm) Width x Depth x Height	
Starting Current (A)         8 / 8 / 8           Running Current (A) - Heating         33           Running Current (A) - Cooling         36.4           Fuse Rating (MCB sizes BS EN 60947-2) - (A)         20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length (m)         100           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 33 Running Current (A) - Cooling 36.4 Fuse Rating (MCB sizes BS EN 60947-2) - (A) 20 / 20 / 20 Mains Cable No. Cores 4 + EARTH  PIPING RESTRICTIONS  Total Piping Length (m) 250 Furthest Piping Length (m) 100 Furthest Piping Length After First Branch (m) 40 Between Indoor and Outdoor units - Height (m) 50	Phase	3
Running Current (A) - Cooling       36.4         Fuse Rating (MCB sizes BS EN 60947-2) - (A)       20 / 20 / 20 / 20         Mains Cable No. Cores       4 + EARTH         PIPING RESTRICTIONS         Total Piping Length (m)       250         Furthest Piping Length (m)       100         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)         20 / 20 / 20           Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length (m)         100           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	Running Current (A) - Heating	33
Mains Cable No. Cores         4 + EARTH           PIPING RESTRICTIONS           Total Piping Length (m)         250           Furthest Piping Length (m)         100           Furthest Piping Length After First Branch (m)         40           Between Indoor and Outdoor units - Height (m)         50	Running Current (A) - Cooling	36.4
PIPING RESTRICTIONS  Total Piping Length (m) 250  Furthest Piping Length (m) 100  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)	20 / 20 / 20
Total Piping Length (m) 250 Furthest Piping Length (m) 100 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) 100 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)	250
Between Indoor and Outdoor units - Height (m) 50	Furthest Piping Length (m)	100
- · · ·	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-RP700YSJM-B

Upper View >







