

# Air Conditioning

## Product Information

**PCA-M R32 Standard Inverter  
Ceiling Suspended System**  
Standard Inverter Heat Pump (Three Phase)

Making a  
World of  
Difference

Mr.SUM.



The **PCA-M Standard Inverter** range is a ceiling suspended system that blends a host of outstanding features with a sophisticated streamlined design. Offering advanced control options and quiet operation, this range provides extreme flexibility and ease of installation whilst being cost effective.

### Key Features

- Flush to wall installation for concealment of service connections
- High / Low ceiling height modes
- Improved airflow control, including automatic air speed adjustment for greater comfort
- Replace Technology available
- New single fan chassis on 12.5 and 14kW models



Cooling | Heating | Ventilation | Controls

**R32**

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Making a World of Difference



PCA-M - INDOOR UNITS		PCA-M100KA	PCA-M125KA	PCA-M140KA
CAPACITY (kW)	Heating (nominal)	11.2 (2.8-12.5)	13.5 (4.1-15.0)	15.0 (4.2-15.8)
	Cooling (nominal)	9.5 (4.0-10.6)	12.1 (5.7-13.0)	13.4 (5.7-14.1)
	Heating (UK)	9.63 (2.41-10.75)	11.61 (3.53-12.90)	12.90 (3.61-13.59)
	Cooling (UK)	8.65 (3.64-9.65)	11.01 (5.19-11.83)	12.19 (5.19-12.83)
SHF (nominal)		0.77	0.72	0.72
COP / EER (nominal)		3.41 / 3.23	3.41 / 3.01	3.50 / 2.50
SCOP (ηsh) / SEER (ηsc) (BS EN14825)		4.10 / 6.00	4.1 (162.7%) / 5.2 (213%)	4.0 (158.7%) / 5.1 (208%)
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A+ / A+	A+ / A	A+ / A
AIRFLOW (l/s)	Lo-Mi1-Mi2-Hi	367-400-433-467	383-417-450-483	400-433-483-533
PIPE SIZE mm (in)	Gas/Liquid	15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)	Lo-Mi1-Mi2-Hi	37-39-41-43	39-41-43-45	41-43-45-48
SOUND POWER LEVEL (dBA)		63	65	68
DIMENSIONS (mm)	Width x Depth x Height	1600 x 680 x 230	1600 x 680 x 230	1600 x 680 x 230
WEIGHT (kg)		37	38	40
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6
INTERCONNECTING CABLE No. Cores		4	4	4
WIRED REMOTE CONTROLLER REFERENCE		PAR-40MAA	PAR-40MAA	PAR-40MAA
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-SL94B	PAR-SL94B	PAR-SL94B

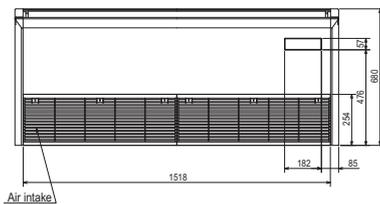
PUZ-M - OUTDOOR UNITS		PUZ-M100YKA <sup>③</sup>	PUZ-M125YKA <sup>③</sup>	PUZ-M140YKA <sup>③</sup>
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	51 / 54	54 / 56	55 / 57
SOUND POWER LEVEL (dBA)	Cooling	70	72	73
WEIGHT (kg)		76	84	84
DIMENSIONS (mm)	Width x Depth x Height	1050 x 330 x 981	1050 x 330 x 981	1050 x 330 x 981
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		Three	Three	Three
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	3.28 / 2.94	3.95 / 4.01	4.28 / 5.36
	Heating/Cooling (UK)	2.95 / 2.44	3.56 / 3.33	3.85 / 4.45
STARTING CURRENT (A)		5.1	6.2	8.3
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	5.1 / 4.5 [11.5]	6.1 / 6.2 [11.5]	6.6 / 8.3 [11.5]
FUSE RATING (BS88) - HRC (A)		16	16	16
MAINS CABLE No. Cores		5	5	5
MAX PIPE LENGTH (m)		55	65	65
MAX HEIGHT DIFFERENCE (m)		30	30	30
CHARGE REFRIGERANT (KG) / CO <sub>2</sub> EQUIVALENT (T)	R32 (GWP 675)	3.10 / 2.09	3.60 / 2.43	3.60 / 2.43
MAX ADDITIONAL REFRIGERANT (KG) / CO <sub>2</sub> EQUIVALENT (T)	R32 (GWP 675)	4.10 / 2.77	5.00 / 3.38	5.00 / 3.38

<sup>③</sup> Three Phase

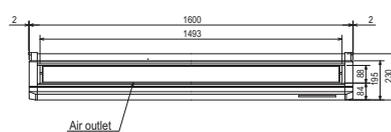
#### PRODUCT DIMENSIONS

#### PCA-M100/125/140KA

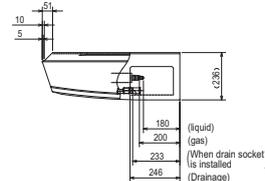
Lower View



Front View



Side View



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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 equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774) or R134a (GWP:1430). \*These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows: R410A (GWP:1975), R32 (GWP: 550), R407C (GWP:1650) or R134a (GWP:1300).



[www.greengateway.mitsubishielectric.co.uk](http://www.greengateway.mitsubishielectric.co.uk)

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