

Product Information

PCA-M R410A 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



Air Conditioning

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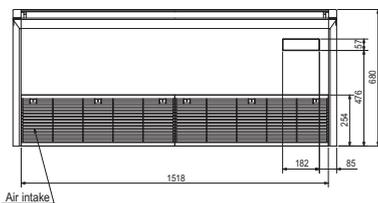
PCA-M - INDOOR UNITS		PCA-M100KA	PCA-M125KA	PCA-M140KA
CAPACITY (kW)	Heating (nominal)	11.2 (2.8-12.5)	13.5 (4.8-15.0)	15.0 (4.9-15.8)
	Cooling (nominal)	9.4 (3.7-10.6)	12.1 (5.6-13.0)	13.6 (5.8-14.1)
	Heating (UK)	9.63 (2.41-10.75)	11.61 (4.13-12.9)	12.9 (4.21-13.59)
	Cooling (UK)	8.55 (3.37-9.65)	11.01 (5.1-11.83)	12.38 (5.28-12.83)
SHF (nominal)		0.77	0.72	0.72
COP / EER (nominal)		3.32 / 3.08	3.32 / 2.85	3.35 / 2.41
SCOP (ηsh) / SEER (ηsc) (BS EN14825)		4.1 / 5.6	3.88 (155.3%) / 5.01 (200.5%)	3.94 (157.6%) / 5.02 (200.8%)
EP ENERGY EFFICIENCY CLASS Heating/Cooling		A+ / A+	N/A	N/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-33MAA	PAR-33MAA	PAR-33MAA
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-SL94B	PAR-SL94B	PAR-SL94B

PUHZ-P - OUTDOOR UNITS		PUHZ-P100YKA ^③	PUHZ-P125YKA ^③	PUHZ-P140YKA ^③
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		54 / 51	56 / 54	57 / 56
SOUND POWER LEVEL (dBA) Cooling		70	72	75
WEIGHT (kg)		78	85	85
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 Heating/Cooling (nominal)		3.37 / 3.05	4.06 / 4.24	4.47 / 5.62
INPUT (kW) Heating/Cooling (UK)		3.03 / 2.53	3.65 / 3.52	4.02 / 4.66
STARTING CURRENT (A)		2.9	4.0	4.0
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]		4.9 / 5.9 [11.5]	6.9 / 6.9 [11.5]	9.5 / 7.5 [11.5]
FUSE RATING (BS88) - HRC (A)		16	16	16
MAINS CABLE No. Cores		3	3	3
MAX PIPE LENGTH (m)		50	50	50
MAX HEIGHT DIFFERENCE (m)		30	30	30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088) - 30m		3.30 / 6.89	3.80 / 7.93	3.80 / 7.93
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		1.20 / 2.51	1.20 / 2.51	1.20 / 2.51

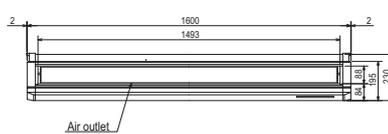
^③ Three Phase

PRODUCT DIMENSIONS PCA-M100/125/140KA

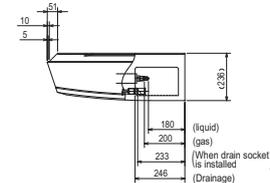
Lower View



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).



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