

Air Conditioning

Product Information

PCA-M R410A Ceiling Suspended System
Standard Inverter Heat Pump
(Single 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

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PCA-M - INDOOR UNITS		PCA-M50KA	PCA-M60KA	PCA-M71KA	PCA-M100KA	PCA-M125KA	PCA-M140KA
CAPACITY (kW)	Heating (nominal)	5.5 (1.7-6.6)	6.9 (2.5-8.0)	7.9 (2.6-10.2)	11.2 (2.8-12.5)	13.5 (4.8-15.0)	15.0 (4.9-15.8)
	Cooling (nominal)	5.0 (2.3-5.6)	5.7 (2.3-6.3)	7.1 (2.8-8.1)	9.4 (3.7-10.6)	12.1 (5.6-13.0)	13.6 (5.8-14.1)
	Heating (UK)	4.62 (1.43-5.54)	5.8 (2.1-6.72)	6.63 (2.18-8.56)	9.63 (2.41-10.75)	11.61 (4.13-12.9)	12.9 (4.21-13.59)
	Cooling (UK)	4.9 (2.25-5.49)	5.58 (2.25-6.17)	6.95 (2.74-7.93)	8.55 (3.37-9.65)	11.01 (5.1-11.83)	12.38 (5.28-12.83)
SHF (nominal)		0.79	0.81	0.76	0.77	0.72	0.72
COP / EER (nominal)		3.62 / 3.23	3.61 / 3.31	3.62 / 3.45	3.32 / 3.08	3.32 / 2.85	3.35 / 2.41
SCOP (nsh) / SEER (nsc) (BS EN14825)		4.0 / 5.8	4.0 / 6.1	4.3 / 6.0	4.1 / 5.6	4.00 (160.0%) / 5.26 (210.2%)	3.93 (157.2%) / 5.13 (205.1%)
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A+ / A+	A+ / A++	A+ / A+	A+ / A+	N/A	N/A
AIRFLOW (l/s)	Lo-Mi1-Mi2-Hi	167-183-217-250	250-267-283-317	267-283-300-333	367-400-433-467	383-417-450-483	400-433-483-533
PIPE SIZE mm (in)	Gas/Liquid	12.7 (1/2") / 6.35 (1/4")	15.88 (5/8") / 6.35 (1/4")	15.88 (5/8") / 9.52 (3/8")	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	32-34-37-40	33-35-37-40	35-37-39-41	37-39-41-43	39-41-43-45	41-43-45-48
SOUND POWER LEVEL (dBA)		60	60	62	63	65	68
DIMENSIONS (mm)	Width x Depth x Height	960 x 680 x 230	1280 x 680 x 230	1280 x 680 x 230	1600 x 680 x 230	1600 x 680 x 230	1600 x 680 x 230
WEIGHT (kg)		26	32	32	37	38	40
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6
INTERCONNECTING CABLE No. Cores		4	4	4	4	4	4
WIRED REMOTE CONTROLLER REFERENCE		PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-SL94B	PAR-SL94B	PAR-SL94B	PAR-SL94B	PAR-SL94B	PAR-SL94B

SUZ-KA / PUHZ-P - OUTDOOR UNITS		SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6	PUHZ-P100VKA	PUHZ-P125VKA	PUHZ-P140VKA
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	52 / 52	55 / 55	55 / 55	54 / 51	56 / 54	57 / 56
	Cooling	65	65	69	70	72	75
WEIGHT (kg)		54	50	53	76	84	84
DIMENSIONS (mm)	Width x Depth x Height	840 x 330 x 880	840 x 330 x 880	840 x 330 x 880	1050 x 330 x 981	1050 x 330 x 981	1050 x 330 x 981
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	1.52 / 1.55	1.91 / 1.72	2.18 / 2.06	3.37 / 3.05	4.06 / 4.24	4.47 / 5.62
	Heating/Cooling (UK)	1.28 / 1.32	1.60 / 1.46	1.83 / 1.75	3.03 / 2.53	3.65 / 3.52	4.02 / 4.66
STARTING CURRENT (A)		7.7	8.3	9.1	7.0	11.1	11.1
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	7.50 / 7.70 [12.4]	7.60 / 8.30 [14.4]	9.10 / 8.70 [16.5]	13.4 / 14.9 [20]	18.9 / 17.9 [26.5]	23.0 / 18.9 [30]
FUSE RATING (BS88) - HRC (A)		20	20	20	32	32	40
MAINS CABLE No. Cores		3	3	3	3	3	3
MAX PIPE LENGTH (m)		30	30	30	50	50	50
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)							
R410A (GWP 2088)		1.60 / 3.34 (7m)	1.60 / 3.34 (7m)	1.80 / 3.76 (7m)	3.30 / 6.89 (30m)	3.80 / 7.93 (30m)	3.80 / 7.93 (30m)
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)							
R410A (GWP 2088)		0.46 / 0.96	0.46 / 0.96	1.265 / 2.64	1.20 / 2.51	1.20 / 2.51	1.20 / 2.51

Note: Duty/standby not available on SUZ-KA50/60/71VA6.

Product Dimensions	PCA-M50KA	Product Dimensions	PCA-M60/71KA	Product Dimensions	PCA-M100/125/140KA
Lower View		Lower View		Lower View	
Side View		Side View		Side View	
Front View		Front View		Front 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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Effective as of January 2018