Product Information

Air Conditioning PLA-SM R32 Ceiling Cassette System Inverter Heat Pump

Making a World of Difference



Our **PLA-SM Inverter** range offers customers all the features and benefits of inverter technology whilst being cost effective.

Key Features

- Inverter cassette range only
- Single combination only
- Up to 40m pipe run
- Cost effective with the benefits and features of inverter technology
- Filter lowering operation down to 4m (optional PLP-6EAJ grille required)







Product Information

PLA-SM R32 Air Conditioning

Ceiling Cassette System Inverter Heat Pump

Making a World of Difference











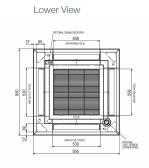
PLA-SM IND	OOR UNITS	PLA-SM71EA	PLA-SM100EA	PLA-SM100EA	PLA-SM125EA	PLA-SM125EA	PLA-SM140EA	PLA-SM140EA
CAPACITY (kW)	Heating (nominal)	8.0 (2.2-8.1)	11.2 (2.8-12.5)	11.2 (2.8-12.5)	13.5 (4.1-15.0)	13.5 (4.1-15.0)	15.0 (4.2-15.8)	15.0 (4.2-15.8)
	Cooling (nominal)	7.1 (2.2-8.1)	9.5 (4.0-10.6)	9.5 (4.0-10.6)	12.1 (5.8-13.0)	12.1 (5.8-13.0)	13.4 (5.8-14.1)	13.4 (5.8-14.1)
	Heating (UK)	6.80 (1.87-6.89)	9.63 (2.41-10.75)	9.63 (2.41-10.75)	11.61 (3.53-12.90)	11.61 (3.53-12.90)	12.90 (3.61-13.59)	12.90 (3.61-13.59)
	Cooling (UK)	6.53 (2.03-7.45)	8.55 (3.60-11.25)	8.55 (3.60-11.25)	10.89 (5.22-11.70)	10.89 (5.22-11.70)	11.61 (5.22-12.69)	11.61 (5.22-12.69)
SHF (nominal)		0.75	0.77	0.77	0.73	0.73	0.70	0.70
COP / EER (nominal)		3.50 / 3.60	3.61 / 3.40	3.61 / 3.40	3.61 / 2.90	3.61 / 2.90	3.30 / 2.61	3.30 / 2.61
SCOP (nsh) / SEER (nsc) (BS EN14825)		3.90 / 6.00	4.50 / 6.00	4.50 / 6.00	3.9 (154.1%) / 5.5 (225.2%)	3.9 (154.1%) / 5.5 (225.2%)	3.9 (153.3%) / 5.5 (224.9%)	3.9 (153.3%) / 5.5 (224.9%)
ErP ENERGY EFFICIENCY CLASS Heating/Cooling		A / A+	A+ / A+	A+ / A+	A/A	A/A	A/A	A/A
AIRFLOW (I/s)	Lo-Mi1-Mi2-Hi	233-283-317-350	317-383-433-483	317-383-433-483	350-417-467-517	350-417-467-517	400-433-483-533	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")	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		28-30-32-34	31-34-37-40	31-34-37-40	33-37-41-44	33-37-41-44	36-39-42-44	36-39-42-44
SOUND POWER LEVEL (dBA)		56	61	61	65	65	65	65
DIMENSIONS (mm)	Width x Depth x Height (Grille)	840 (950) x 840 (950) x 258 (40)	840 (950) x 840 (950) x 298 (40)	840 (950) x 840 (950) x 298 (40)	840 (950) x 840 (950) x 298 (40)	840 (950) x 840 (950) x 298 (40)	840 (950) x 840 (950) x 298 (40)	840 (950) x 840 (950) x 298 (40)
WEIGHT (kg)	Unit / Panel	21 (5)	24 (5)	24 (5)	26 (5)	26 (5)	26 (5)	26 (5)
ELECTRICAL SUPPLY		Fed by Outdoor Unit						
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6
INTERCONNECTING CABLE No. Cores		4	4	4	4	4	4	4
GRILLE REFERENCE		PLP-6EA						
WIRED REMOTE CONTROLLER REFERENCE		PAR-40MAA						
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-SL100A-E						

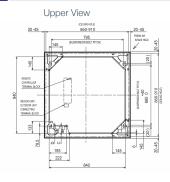
SUZ-SM / PUZ-SM OUTDOOR UNITS	SUZ-SM71VA	PUZ-SM100VKA	PUZ-SM100YKA	PUZ-SM125VKA	PUZ-SM125YKA	PUZ-SM140VKA	PUZ-SM140YKA
SOUND PRESSURE LEVEL (dBA) Heating/Cooling	51 / 49	54 / 51	54 / 51	56 / 54	56 / 54	57 / 55	57 / 55
SOUND POWER LEVEL (dBA) Cooling	66	70	70	72	72	73	73
WEIGHT (kg)	55	76	78	84	85	84	85
DIMENSIONS (mm) Width x Depth x Height	840 x 330 x 880	1050 x 330 x 981	1050 x 330 x 981	1050 x 330 x 981	1050 x 330 x 981	1050 x 330 x 981	1050 x 330 x 981
ELECTRICAL SUPPLY	220-240v, 50Hz	220-240v, 50Hz	380-415v, 50Hz	220-240v, 50Hz	380-415v, 50Hz	220-240v, 50Hz	380-415v, 50Hz
PHASE	Single	Single	Three	Single	Three	Single	Three
SYSTEM POWER INPUT (kW) Heating/Cooling (nominal)	2.28 / 1.97	3.10 / 2.79	3.10 / 2.79	3.73 / 4.17	3.73 / 4.17	4.54 / 5.13	4.54 / 5.13
Heating/Cooling (UK)	1.94 / 1.70	2.64 / 2.40	2.64 / 2.40	3.17 / 3.59	3.17 / 3.59	3.87 / 4.14	3.87 / 4.14
STARTING CURRENT (A)	9.7	13.4	4.8	17.4	6.3	22.3	8.1
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]	9.7 / 8.3 [14.8]	13.4 / 12.1 [20.0]	4.8 / 4.3 [11.5]	15.6 / 17.4 [26.5]	5.6 / 6.3 [11.5]	19.0 / 22.3 [30.0]	6.9 / 8.1 [11.5]
FUSE RATING (BS88) - HRC (A)	20	32	16	32	16	40	16
MAINS CABLE No. Cores	3	3	5	3	5	3	5
MAX PIPE LENGTH (m)	30	30	30	40	40	40	40
MAX HEIGHT DIFFERENCE (m)	30	30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / R32 (GWP 675) CO ₂ EQUIVALENT (t)	1.45 / 0.98 (7m)	3.10 / 2.09 (30m)	3.10 / 2.09 (30m)	3.60 / 2.43 (30m)	3.60 / 2.43 (30m)	3.60 / 2.43 (30m)	3.60 / 2.43 (30m)
MAX ADDITIONAL REFRIGERANT (kg) / R32 (GWP 675) CO ₂ EQUIVALENT (t)	2.37 / 1.80	N/A	3.50 / 2.36	4.00 / 2.70	4.00 / 2.70	4.00 / 2.70	4.00 / 2.70

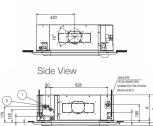
Note: The PLP-6EAE 3D i-See sensor grille or PAC-SE1ME-E corner panel will NOT operate with this model.

PRODUCT DIMENSIONS

PLA-SM71/100/125/140EA







Front View





Telephone: 01707 282880 email: air.conditioning@meuk.mee.com web: airconditioning.mitsubishielectric.co.uk

UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England General Enquiries Telephone: 01707 282880 Fax: 01707 278881

IRELAND Mitsubishi Electric Europe Westgate Business Park, Ballymount, Dublin 24, Ireland

Telephone: Dublin (01) 419 8800 Fax: Dublin (01) 419 8890 International code: (003531)

Country of origin: United Kingdom – Japan – Thaland – Malaysia. (Mittsubish) Electric Europe 2019. Mitsubish) and Mitsubish) Electric are trademarks of Mitsubish Electric Europe B.V. The company reserves the right to make any variation to the equipment described, or to withdraw or replace products without prior notification or public amouncement. Mitsubish Electric is constantly developing and improving its products. All descriptions, illustrated crawings and specifications in this publication present only general particulars and shall not form part of any contract. All goods are supplied subject to the Company's General Conditions of Sale, a copy of which is available on request. Third-party product and brand ramse may be trademarks or registered trademarks of their respective owners.

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 is specific conditions. Mitsubish Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R41 0A (GWP-2089, R32 (GWP-675), R407C (GWP-1774) or R134a (GWP-1430). These GWP are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No 626/2011 from IPCC 3th edition, these are as follows. R410A (GWP-1975), R32 (GWP. 550), R407C (GWP-1650) or R134a (GWP-1300).





Mitsubishi Electric UK's commitment to the environment

























