

PLA-ZM R32 Power Inverter Heat Pump

4-Way Blow Ceiling Cassette System

Product Specifications



Mr.Slim.

R32



PLA-ZM - INDOOR UNITS		PLA-ZM35EA	PLA-ZM50EA	PLA-ZM60EA	PLA-ZM71EA	PLA-ZM100EA	PLA-ZM100EA	PLA-ZM125EA	PLA-ZM125EA	PLA-ZM140EA	PLA-ZM140EA
CAPACITY (kW)	Heating (nominal)	4.1 (1.6-5.2)	6.0 (2.5-7.3)	7.0 (2.8-8.2)	8.0 (3.5-10.2)	11.2 (4.5-14.0)	11.2 (4.5-14.0)	14.0 (5.0-16.0)	14.0 (5.0-16.0)	16.0 (5.7-18.0)	16.0 (5.7-18.0)
	Cooling (nominal)	3.6 (1.6-4.5)	5.0 (2.3-5.6)	6.1 (2.7-6.5)	7.1 (3.3-8.1)	9.5 (4.9-11.4)	9.5 (4.9-11.4)	12.5 (5.5-14.0)	12.5 (5.5-14.0)	13.4 (6.2-15.0)	13.4 (6.2-15.0)
	Heating (UK)	3.5 (1.35-4.4)	5.1 (2.15-6.2)	6.0 (2.38-6.97)	6.8 (3.0-8.65)	9.5 (3.85-11.9)	9.5 (3.85-11.9)	11.9 (4.25-13.6)	11.9 (4.25-13.6)	13.6 (4.85-15.3)	13.6 (4.85-15.3)
	Cooling (UK)	3.3 (1.45-4.15)	4.6 (2.1-5.15)	5.6 (2.48-5.98)	6.55 (3.05-7.45)	9.2 (4.5-10.5)	9.2 (4.5-10.5)	11.5 (5.05-12.9)	11.5 (5.05-12.9)	12.9 (5.7-14.1)	12.9 (5.7-14.1)
SHF (nominal)		0.95	0.85	0.77	0.72	0.77	0.77	0.70	0.70	0.70	0.70
COP / EER (nominal)		5.00 / 5.10	4.40 / 4.52	4.10 / 4.20	4.40 / 4.30	4.30 / 4.60	4.30 / 4.60	3.81 / 3.70	3.81 / 3.70	3.71 / 3.60	3.71 / 3.60
SCOP / SEER (BS EN14825)		4.70 / 7.50	4.90 / 7.60	4.60 / 7.20	4.80 / 7.60	4.80 / 7.70	4.80 / 7.50	4.70 / 7.40	4.70 / 7.20	4.60 / 7.00	4.60 / 6.90
ERP ENERGY EFFICIENCY CLASS Heating/Cooling		A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++
AIRFLOW (l/s)		Lo-MI-MI2-HI	183-217-250-267	200-233-267-300	200-233-267-300	263-317-350-383	317-367-417-467	317-367-417-467	350-400-433-483	350-400-433-483	400-433-483-533
PIPE SIZE MM (in)		Gas/Liquid	12.7 (1/2") / 6.35 (1/4")	12.7 (1/2") / 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")	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-MI-MI2-HI	26-28-29-31	27-29-31-32	27-29-31-32	28-30-33-36	31-34-37-40	31-34-37-40	33-36-39-41	33-36-39-41	36-39-42-44
SOUND POWER LEVEL (dBA)			51	54	54	57	61	61	62	62	65
DIMENSIONS (mm)		Width x Depth x Height (Grille)	840 (950) x 840 (950) x 258 (40)	840 (950) x 840 (950) x 258 (40)	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 / Grille	21 / 5	21 / 5	21 / 5	24 / 5	26 / 5	26 / 5	26 / 5	26 / 5	26 / 5
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	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)			6	6	6	6	6	6	6	6	6
INTERCONNECTING CABLE NO. CORES			4	4	4	4	4	4	4	4	4
GRILLE REFERENCE			PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA
WIRED REMOTE CONTROLLER REFERENCE			PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA
WIRELESS REMOTE CONTROLLER REFERENCE			PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E

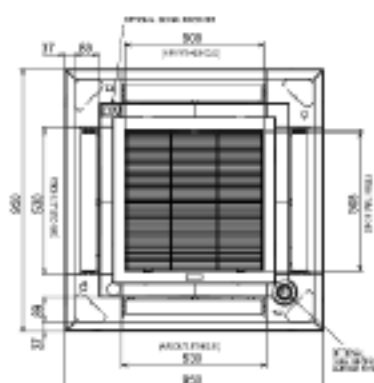
PUZ-ZM - OUTDOOR UNITS		PUZ-ZM35VKA	PUZ-ZM50VKA	PUZ-ZM60VHA	PUZ-ZM71VHA	PUZ-ZM100VKA	PUZ-ZM100VKA ^③	PUZ-ZM125VKA	PUZ-ZM125VKA ^③	PUZ-ZM140VKA	PUZ-ZM140VKA ^③
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	46 / 44	46 / 44	49 / 47	49 / 47	51 / 49	51 / 49	52 / 50	52 / 50	52 / 50	52 / 50
	Cooling	65	65	67	67	69	69	70	70	70	70
WEIGHT (kg)		46	46	70	70	116	123	116	125	118	131
DIMENSIONS (mm)		Width x Depth x Height	809 x 300 x 630	809 x 300 x 630	950 x 330 + 25 x 943	950 x 330 + 25 x 943	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338
ELECTRICAL SUPPLY			220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	380-415v, 50Hz	220-240v, 50Hz	380-415v, 50Hz	220-240v, 50Hz	380-415v, 50Hz
PHASE			Single	Single	Single	Single	Three	Single	Three	Single	Three
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	0.820 / 0.705	1.363 / 1.108	1.707 / 1.452	1.818 / 1.651	2.604 / 2.065	2.604 / 2.065	3.674 / 3.378	3.674 / 3.378	4.312 / 3.772	4.312 / 3.772
	Heating/Cooling (UK)	0.73 / 0.59	1.21 / 0.94	1.43 / 1.15	1.61 / 1.39	2.09 / 1.77	2.09 / 1.77	3.27 / 2.87	3.27 / 2.87	3.83 / 3.15	3.83 / 3.15
STARTING CURRENT (A)		5.0	5.0	6.0	6.0	13.0	6.0	13.0	6.0	13.0	6.0
SYSTEM RUNNING CURRENT (A)		Heating/Cooling [MAX]	3.89 / 3.51 [13.2]	6.05 / 5.00 [13.2]	7.39 / 6.31 [19.2]	7.79 / 7.08 [19.3]	11.25 / 8.97 [27.0]	3.75 / 2.96 [8.5]	15.77 / 14.53 [27.0]	5.32 / 4.89 [10.0]	18.41 / 15.88 [28.7]
FUSE RATING (BS88) - HRC (A)			16	16	25	25	32	16	32	40	16
MAINS CABLE NO. CORES			3	3	3	3	5	3	5	3	5
MAX PIPE LENGTH (m)			50	50	55	55	100	100	100	100	100
MAX HEIGHT DIFFERENCE (m)			30	30	30	30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)		R32 (GWP 675) - 30m	2.0 / 1.35	2.00 / 1.35	2.80 / 1.89	2.80 / 1.89	4.00 / 2.70	4.00 / 2.70	4.00 / 2.70	4.00 / 2.70	4.00 / 2.70
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)		R32 (GWP 675)	0.30 / 0.20	0.30 / 0.20	0.80 / 0.54	0.80 / 0.54	2.80 / 1.89	2.80 / 1.89	2.80 / 1.89	2.80 / 1.89	2.80 / 1.89

③ Three Phase

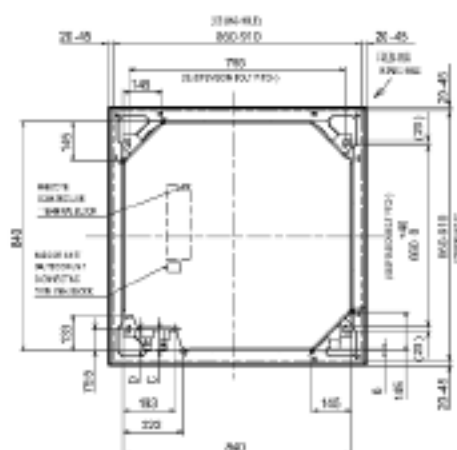
Product Dimensions

PLA-ZM35-140EA

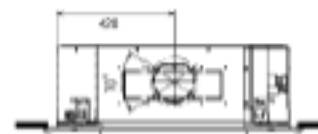
Lower View



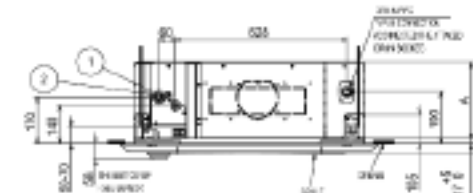
Upper View



Front View



Side View



PLA-ZM-EA (35/50/60/71/100/125/140)

ZM	①	②	A	B	C	D
35/50	REFRIGERANT PIPE Ø 6.35 FLARED CONNECTION 1/4"	REFRIGERANT PIPE Ø 12.7 FLARED CONNECTION 1/2"	261	258	716	715
60	FLARED CONNECTION 1/2"	REFRIGERANT PIPE Ø 15.88 FLARED CONNECTION 3/8"	281	285	705	705
71						
100-140						