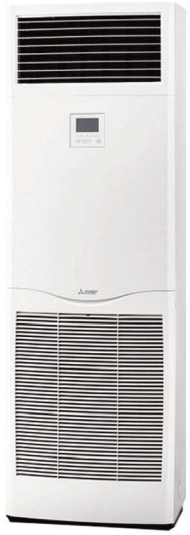
PSA-M R32 Floor Standing System

Power Inverter Heat Pump







POWER INVERTER

The **PSA-M Power Inverter** range is a floor standing system that blends a host of outstanding features with a sophisticated streamlined design. Offering high seasonal efficiency, advanced control options and quiet operation, this range allows installation where limited ceiling space is available.

Key Features & Benefits

- Built in PAR-42MAAB controller allows effective energy consumption monitoring
- Increased comfort levels through advanced airflow and smart defrost features
- 100m pipe run (size 100-140), increasing application capability
- 14°C set point option; ideal for applications where a specialist ambient condition is required
- Quick and easy installation, saving on time and cost
- Compact body and minimal footprint - ideal for applications where space-saving is a requirement

R32

PSA-M - INDOOR UNITS		PSA-M71KA2	PSA-M100KA2	PSA-M100KA2	PSA-M125KA2	PSA-M125KA2	PSA-M140KA2	PSA-M140KA2
CAPACITY (kW)	Heating (nominal)	7.6 (3.5-10.2)	11.2 (2.7-14.0)	11.2 (2.7-14.0)	14.0 (3.2-16.0)	14.0 (3.2-16.0)	16.0 (3.7-18.0)	16.0 (3.7-18.0)
	Cooling (nominal)	7.1 (3.3-8.1)	9.5 (4.9-11.4)	9.5 (4.9-11.4)	12.5 (5.1-14.0)	12.5 (5.1-14.0)	13.4 (5.4-15.0)	13.4 (5.4-15.0)
	Heating (UK)	6.45 (3.0-8.65)	8.06 (1.94-10.08)	8.06 (1.94-10.08)	10.08 (2.30-11.52)	10.08 (2.30-11.52)	11.52 (2.66-12.96)	11.52 (2.66-12.96)
	Cooling (UK)	6.55 (3.05-7.45)	8.74 (4.51-10.49)	8.74 (4.51-10.49)	11.50 (4.69-12.88)	11.50 (4.69-12.88)	12.33 (4.97-13.80)	12.33 (4.97-13.80)
SHF (nominal)		0.79	0.73	0.73	0.72	0.72	0.71	0.71
COP / EER (nominal)		3.25 / 3.76	3.40 / 3.81	3.40 / 3.81	2.90 / 3.00	2.90 / 3.00	3.00 / 3.37	3.00 / 3.37
SCOP (ηsh) / SEER (ηsc) (BS EN14825)		4.00 (157.8%) / 6.40 (266.2%)	4.10 / 5.70	4.10 / 5.60	3.93 (154.3%) / 5.40 (213.0%)	3.93 (154.2%) / 5.37 (211.9%)	4.06 (159.3%) / 6.34 (250.6%)	4.06 (159.3%) / 6.33 (250.0%)
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A+ / A++	A+ / A+	A+ / A+	-	-	-	-
AIRFLOW (l/s)	Lo-Mi-Hi	333-367-400	417-467-500	417-467-500	417-467-517	417-467-517	417-467-517	417-467-517
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-Mi-Hi	40-42-44	45-49-51	45-49-51	45-49-51	45-49-51	45-49-51	45-49-51
SOUND POWER LEVEL (dBA)		60	65	65	66	66	66	66
DIMENSIONS (mm)	Width x Depth x Height	600 x 360 x 1900	600 x 360 x 1900	600 x 360 x 1900	600 x 360 x 1900	600 x 360 x 1900	600 x 360 x 1900	600 x 360 x 1900
WEIGHT (kg)	Unit / Panel	46	46	46	46	46	48	48
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
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6
INTERCONNECTING CABLE No. Cores		4	4	4	4	4	4	4
WIRED REMOTE CONTROLLER REFERENCE		PAR-42MAAB	PAR-42MAAB	PAR-42MAAB	PAR-42MAAB	PAR-42MAAB	PAR-42MAAB	PAR-42MAAB

PUZ-ZM - OUTDOOR UNITS		PUZ-ZM71VHA3	PUZ-ZM100VDA2	PUZ-ZM100YDA2 [3]	PUZ-ZM125VDA2	PUZ-ZM125YDA2 [3]	PUZ-ZM140VDA2	PUZ-ZM140YDA2 [3]
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	49 / 47	48 / 44	48 / 44	50 / 47	50 / 47	51 / 49	51 / 49
SOUND POWER LEVEL (dBA)	Cooling	67	63	63	66	66	68	68
WEIGHT (kg)		67	107	114	107	116	107	121
DIMENSIONS (mm)	Width x Depth x Height	950 x 330+25 x 943	1100 x 460+45 x 870	1100 x 460+45 x 870	1100 x 460+45 x 870	1100 x 460+45 x 870	1100 x 460+45 x 870	1100 x 460+45 x 870
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)	2.338 / 1.888	3.295 / 2.494	3.295 / 2.494	4.828 / 4.167	4.828 / 4.167	5.334 / 3.977	5.334 / 3.977
	Heating/Cooling (UK)	2.08 / 1.60	2.70 / 2.12	2.70 / 2.12	3.96 / 3.54	3.96 / 3.54	4.37 / 3.38	4.37 / 3.38
STARTING CURRENT (A)		5.3	11.9	3.5	11.9	3.5	11.9	3.5
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	9.05 / 6.96 [19.4]	15.24 / 11.54 [27.2]	5.06 / 3.83 [8.7]	22.33 / 19.27 [27.2]	7.41 / 6.40 [9.7]	24.67 / 18.40 [30.7]	8.19 / 6.11 [9.7]
FUSE RATING (BS88) - HRC (A)		25	32	16	32	16	40	16
MAINS CABLE No. Cores		3	3	5	3	5	3	3
MAX PIPE LENGTH (m)		55	100	100	100	100	100	100
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / CO_2 EQUIVALENT (t) R32 (GWP 675)		2.80 / 1.89 (30m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)
MAX ADDITIONAL REFRIGERANT (kg) / CO_2 EQUIVALENT (t) R32 (GWP 675)		0.80 / 0.54	2.40 / 1.62	2.40 / 1.62	2.40 / 1.62	2.40 / 1.62	2.40 / 1.62	2.40 / 1.62

[3] Three Phase Note: Includes built in PAR-42MAAB wired remote controller.

Accessories

Outdoor Units

PAC-SG59SG-E

Air outlet guide for PUZ-ZM71VHA2

PAC-SL12SG-E

Air outlet guide for PUZ-ZM100-140VDA2/YDA2

System Control Units

PAC-SA89TA

Remote on/off adaptor (3 wire adaptor)

PAC-SA88HA

Run/fault adaptor (5 wire adaptor)

PAC-SE42TS-E

Remote sensor

MAC-597IF-E

Interface for Wi-Fi connection to MELCloud Home service

MELCOBEMS MINI (A1M+)

Modbus and BACnet MSTP CN105 adaptor

MELCORETAIL MINI

Retail control and input / output interface

PAC-SJ95MA-E

M-NET adaptor for size 71

PAC-SL16MA-E

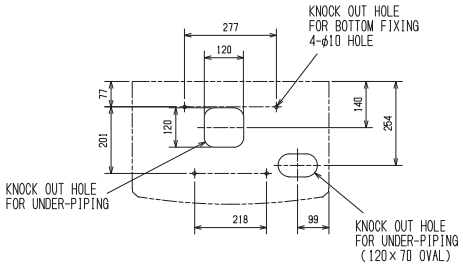
M-NET Adaptor for size 100 to 140

Note: Please see page 1.3.66 for the full range of accessories.

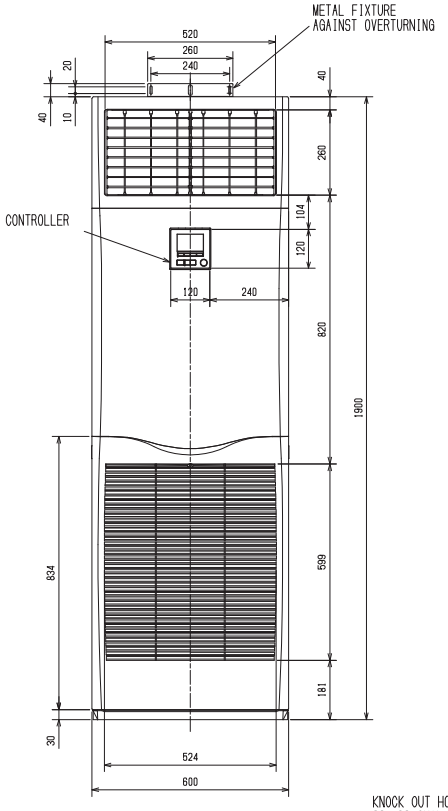
Product Dimensions

PSA-M71/100/125/140KA2

Upper View



Front View



Side View

