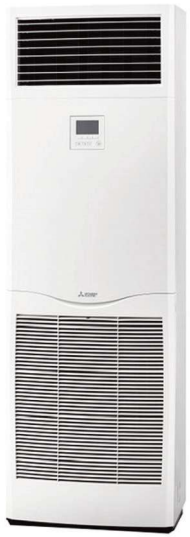
PSA-M R32 Floor Standing System

Standard Inverter Heat Pump







The cost-effective **PSA-M Standard Inverter** range is a floor standing system that blends a host of outstanding features with a sophisticated streamlined design. Offering 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
- 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
- In-built leak detection

R32

PSA-M - INDOOR UNITS		PSA-M71KA2	PSA-M100KA2	PSA-M100KA2	PSA-M125KA2	PSA-M125KA2	PSA-M140KA2	PSA-M140KA2
CAPACITY (kW)	Heating (nominal)	8.0 (2.1-10.2)	11.2 (2.8-12.5)	11.2 (2.8-12.5)	13.5 (4.8-15.0	13.5 (4.8-15.0)	15.0 (4.9-15.8)	15.0 (4.9-15.8)
	Cooling (nominal)	7.1 (2.2-8.1)	9.4 (3.7-10.6)	9.4 (3.7-10.6)	12.1 (5.6-13.0)	12.1 (5.6-13.0)	13.6 (5.8-13.7)	13.6 (5.8-13.7)
	Heating (UK)	6.8 (1.8-8.65)	9.5 (2.4-10.65)	9.5 (2.4-10.65)	11.5 (4.1-12.75)	11.5 (4.1-12.75)	12.75 (4.15-13.45)	12.75 (4.15-13.45)
	Cooling (UK)	6.55 (2.0-7.45)	8.65 (3.4-9.75)	8.65 (3.4-9.75)	11.15 (5.15-11.95)	11.15 (5.15-11.95)	12.5 (5.35-12.6)	12.5 (5.35-12.6)
SHF (nominal)		0.79	0.73	0.73	0.72	0.72	0.71	0.71
COP / EER (nominal)		3.25 / 3.76	3.53 / 3.81	3.53 / 3.81	3.11 / 3.16	3.11 / 3.16	3.20 / 3.37	3.20 / 3.37
SCOP (ηsh) / SEER (ηsc) (BS EN14825)		4.0 (157.8%) / 6.4 (266.2%)	4.1 (161.3%) / 5.7 (234.6%)	4.1 (161.3%) / 5.6 (232.9%)	3.9 (153.1%) / 5.2 (212.0%)	3.9 (153.0%) / 5.1 (210.9%)	4.0 (158.1%) / 6.1 (249.1%)	4.0 (158.1%) / 6.0 (247.8%)
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A+ / A++	A+ / A+	A+ / A+	A / A	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

SUZ-M / PUZ-M - OUTDOOR UNITS		SUZ-M71VA2	PUZ-M100VKA3	PUZ-M100YKA3 [3]	PUZ-M125VKA3	PUZ-M125YKA3 [3]	PUZ-M140VKA3	PUZ-M140YKA3 [3]
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	49 / 51	51 / 54	51 / 54	54 / 56	54 / 56	55 / 57	55 / 57
SOUND POWER LEVEL (dBA)	Cooling	66	70	70	72	72	73	73
WEIGHT (kg)		54	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)	2.105 / 2.028	3.01 / 2.71	3.01 / 2.71	3.63 / 4.01	3.63 / 4.01	4.39 / 4.96	4.39 / 4.96
	Heating/Cooling (UK)	1.87 / 1.72	2.35 / 2.47	2.71 / 2.50	3.27 / 3.33	3.27 / 3.33	3.59 / 4.12	3.59 / 4.12
STARTING CURRENT (A)		9.5	13.0	4.7	17.4	6.3	21.5	7.8
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	8.15 / 7.47 [16.7]	13.0 / 11.7 [20]	4.7 / 4.2 [11.5]	15.6 / 17.4 [26.5]	5.6 / 6.3 [11.5]	19.0 / 21.5 [30]	6.9 / 7.8 [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	55	55	65	65	65	65
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / CO_2 EQUIVALENT (t) R32 (GWP 675)		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) / CO_2 EQUIVALENT (t) R32 (GWP 675)		2.37 / 1.80	4.10 / 2.77	4.10 / 2.77	5.00 / 3.38	5.00 / 3.38	5.00 / 3.38	5.00 / 3.38

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

Accessories

Outdoor Units

MAC-890SG-E

Air outlet guide for SUZ-M71VA2

PAC-SH96SG-E

Air outlet guide for PUZ-M100-140VKA3/YKA3

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

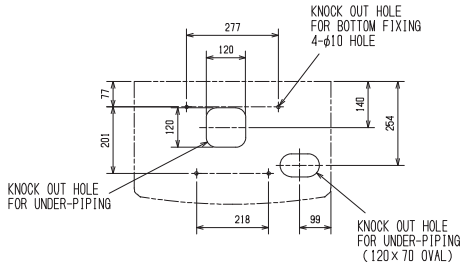
M-NET adaptor for size 71 to 140

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

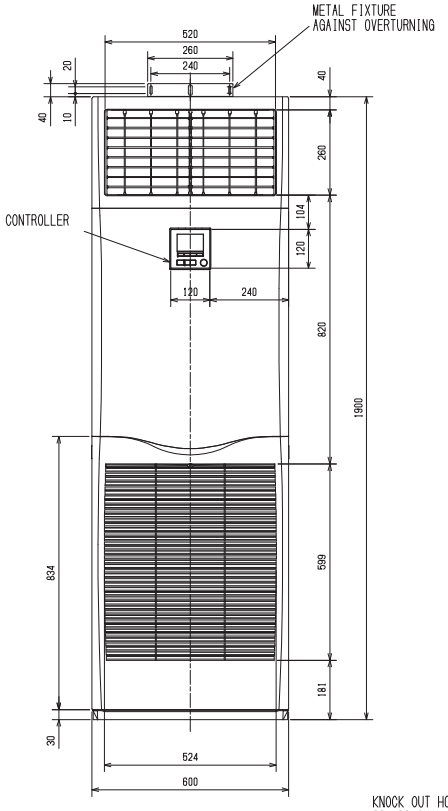
Product Dimensions

PSA-M71/100/125/140KA2

Upper View



Front View



Side View

