

# PSA-M R32

## Floor Standing System

### Standard Inverter Heat Pump

Mr. SLIM™

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.

**R32** *INVERTER*

#### Key Features & Benefits:

- Built in PAR-41MAA 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 single use leak detection



# Air Conditioning Product Information

## PSA-M R32 Floor Standing System Standard Inverter Heat Pump

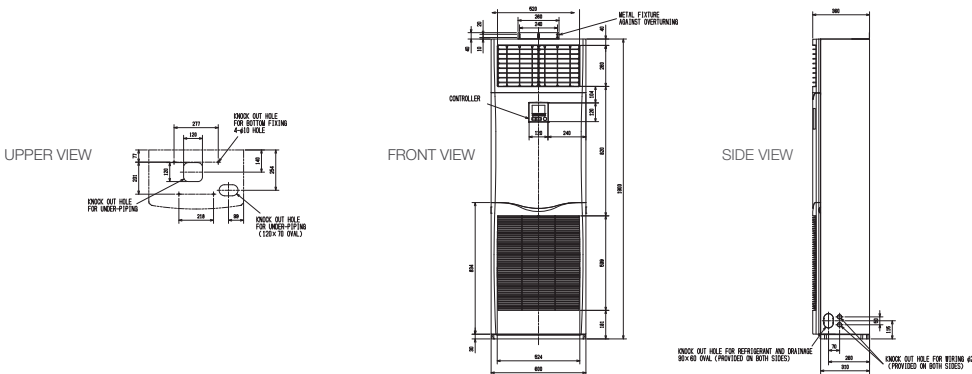


PSA-M INDOOR UNITS		PSA-M71KA	PSA-M100KA	PSA-M100KA	PSA-M125KA	PSA-M125KA	PSA-M140KA	PSA-M140KA
CAPACITY (kW)	Heating (nominal)	8.0 (2.1-10.2)	11.2 (2.8-12.5)	11.2 (2.8-12.5)	13.5 (4.8-15.0)	13.5 (4.8-15.0)	15.0 (4.9-15.8)	15.0 (4.9-15.8)
	Cooling (nominal)	7.1 (2.2-8.1)	9.4 (3.7-10.6)	9.4 (3.7-10.6)	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 (dB(A))		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-41MAA	PAR-41MAA	PAR-41MAA	PAR-41MAA	PAR-41MAA	PAR-41MAA	PAR-41MAA

SUZ-M / PUZ-M OUTDOOR UNITS		SUZ-M71VAR1	PUZ-M100VKA2	PUZ-M100YKA2 ③	PUZ-M125VKA2	PUZ-M125YKA2 ③	PUZ-M140VKA2	PUZ-M140YKA2 ③
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	49 / 51	51 / 54	51 / 54	54 / 56	54 / 56	55 / 57	55 / 57
SOUND POWER LEVEL (dB(A))	Cooling	66	70	70	72	72	73	73
WEIGHT (kg)		56	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 <sub>2</sub> EQUIVALENT (t) - R32 (GWP 675)		1.45 / 0.98 (7m)	3.10 / 2.09	3.10 / 2.09	3.60 / 2.43	3.60 / 2.43	3.60 / 2.43	3.60 / 2.43
MAX ADDITIONAL REFRIGERANT (kg) / CO <sub>2</sub> 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-41MAA wired remote controller.

### PSA-M71/100/125/140KA DIMENSIONS



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**Note:** Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'. The fuse rating is for guidance only and 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), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). \*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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