

PKA-M R32

Wall Mounted System

Power Inverter Heat Pump

Mr.SLIM™

The **PKA-M** Power Inverter range is a wall mounted system that blends a host of outstanding features with a sleek design.

Offering high seasonal efficiency, advanced control options, extended pipe runs as standard, this range is a flexible choice for small commercial and office applications, as well as restaurants and comms rooms.

R32

Key Features & Benefits:

- Increased comfort levels through advanced airflow and smart defrost features
- Compact, single fan outdoor unit chassis across the whole range, for unobtrusive and discreet installation
- 100m pipe run (size 100), increasing application capability
- Energy usage display available as standard with the PAR-41MAA controller
- 14°C set point option; ideal for applications where a specialist ambient condition is required (requires PAR-41MAA or PAR-SL101A-E controller)
- 'Backup and rotate' feature to reduce load on individual units and prolong product life (requires PAR-41MAA controller)
- Full heating capacity down to -3°C
- Internal pipe connection for ease of installation
- Compatible with Plasma Quad Connect - an innovative, bolt-on air purifying device which neutralises viruses, bacteria, allergens, PM2.5, mould and dust



Air Conditioning Product Information

PKA-M R32 Wall Mounted System Power Inverter Heat Pump

R32



| PKA-M INDOOR UNITS | | PKA-M35LA2 | PKA-M50LA2 | PKA-M60KA2 | PKA-M71KA2 | PKA-M100KA2 | PKA-M100KA2 |
|--------------------------------------|------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| CAPACITY (kW) | Heating (nominal) | 4.1 (1.6-5.2) | 5.0 (2.5-7.3) | 7.0 (2.8-8.2) | 8.0 (3.5-10.2) | 11.2 (2.7-14.0) | 11.2 (2.7-14.0) |
| | Cooling (nominal) | 3.6 (1.6-4.5) | 4.6 (2.3-5.6) | 6.1 (2.7-6.7) | 7.1 (3.3-8.1) | 9.5 (4.9-11.4) | 9.5 (4.9-11.4) |
| | Heating (UK) | 3.5 (1.35-4.4) | 4.25 (2.15-6.2) | 5.95 (2.4-6.95) | 6.8 (3.0-8.65) | 8.06 (1.94-10.08) | 8.06 (1.94-10.08) |
| | Cooling (UK) | 3.3 (1.45-4.15) | 4.23 (2.1-5.15) | 5.5 (2.5-6.15) | 6.55 (3.05-7.45) | 8.74 (4.51-10.49) | 8.74 (4.51-10.49) |
| SHF (nominal) | | 0.74 | 0.66 | 0.86 | 0.78 | 0.73 | 0.73 |
| COP / EER (nominal) | | 3.94 / 4.20 | 3.72 / 3.71 | 4.04 / 3.91 | 3.78 / 3.81 | 3.61 / 3.90 | 3.61 / 3.90 |
| SCOP (ηsh) / SEER (ηsc) (BS EN14825) | | 4.00 / 6.50 | 4.30 / 6.60 | 4.20 / 6.80 | 4.30 / 6.80 | 4.40 / 6.50 | 4.40 / 6.50 |
| ErP ENERGY EFFICIENCY CLASS | Heating/Cooling | A+ / A++ | A+ / A++ | A+ / A++ | A+ / A++ | A+ / A++ | A+ / A++ |
| AIRFLOW (l/s) | Lo-Mi2-Mi1-Hi | 125-137-153-182 | 125-137-153-182 | 300-333-367 | 300-333-367 | 333-383-433 | 333-383-433 |
| PIPE SIZE mm (in) | Gas | 12.7 (1/2") | 12.7 (1/2") | 15.88 (5/8") | 15.88 (5/8") | 15.88 (5/8") | 15.88 (5/8") |
| | Liquid | 6.35 (1/4") | 6.35 (1/4") | 9.52 (3/8") | 9.52 (3/8") | 9.52 (3/8") | 9.52 (3/8") |
| SOUND PRESSURE LEVEL (dBA) | Lo-Mi2-Mi1-Hi | 34-37-40-43 | 34-37-40-43 | 39-42-45 | 39-42-45 | 41-45-49 | 41-45-49 |
| SOUND POWER LEVEL (dBA) | | 60 | 60 | 64 | 64 | 65 | 65 |
| DIMENSIONS (mm) | Width x Depth x Height | 898 x 237 x 299 | 898 x 237 x 299 | 1170 x 295 x 365 | 1170 x 295 x 365 | 1170 x 295 x 365 | 1170 x 295 x 365 |
| WEIGHT (kg) | | 12.6 | 12.6 | 21 | 21 | 21 | 21 |
| ELECTRICAL SUPPLY | | Fed by Outdoor Unit | Fed by Outdoor Unit | Fed by Outdoor Unit | Fed by Outdoor Unit | Fed by Outdoor | Fed by Outdoor |
| FUSE RATING (BS88) - HRC (A) | | 6 | 6 | 6 | 6 | 6 | 6 |
| INTERCONNECTING CABLE No. CORES | | 4 | 4 | 4 | 4 | 4 | 4 |
| WIRED REMOTE CONTROLLER REFERENCE | | PAR-41MAA | PAR-41MAA | PAR-41MAA | PAR-41MAA | PAR-41MAA | PAR-41MAA |
| WIRELESS REMOTE CONTROLLER REFERENCE | | PAR-SL101A-E / PAR-FL32MA | PAR-SL101A-E / PAR-FL32MA | PAR-SL101A-E / PAR-FL32MA | PAR-SL101A-E / PAR-FL32MA | PAR-SL101A-E / PAR-FL32MA | PAR-SL101A-E / PAR-FL32MA |

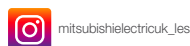
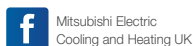
| PUZ-ZM OUTDOOR UNITS | | PUZ-ZM35VKA2 | PUZ-ZM50VKA2 | PUZ-ZM60VHA2 | PUZ-ZM71VHA2 | PUZ-ZM100VDA | PUZ-ZM100VDA ③ |
|--|---------------------------|--------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
| SOUND PRESSURE LEVEL (dBA) | Heating/Cooling | 46 / 44 | 46 / 44 | 49 / 47 | 49 / 47 | 48 / 44 | 48 / 44 |
| SOUND POWER LEVEL (dBA) | Cooling | 65 | 65 | 67 | 67 | 63 | 63 |
| WEIGHT (kg) | | 46 | 46 | 67 | 67 | 107 | 114 |
| 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 | 1100 x 460 +45 x 870 | 1100 x 460 +45 x 870 |
| ELECTRICAL SUPPLY | | 220-240v, 50Hz | 220-240v, 50Hz | 220-240v, 50Hz | 220-240v, 50Hz | 220-240v, 50Hz | 380-415v, 50Hz |
| PHASE | | Single | Single | Single | Single | Single | Three |
| SYSTEM POWER INPUT (kW) | Heating/Cooling (nominal) | 1.040 / 0.869 | 1.347 / 1.239 | 1.732 / 1.560 | 2.116 / 1.863 | 3.103 / 2.436 | 3.103 / 2.436 |
| | Heating/Cooling (UK) | 0.81 / 0.84 | 1.12 / 1.12 | 1.25 / 1.65 | 1.54 / 1.92 | 2.54 / 2.07 | 2.54 / 2.07 |
| STARTING CURRENT (A) | | 4.3 | 4.3 | 5.3 | 5.3 | 11.9 | 3.5 |
| SYSTEM RUNNING CURRENT (A) | Heating/Cooling [MAX] | 4.97 / 4.31 [13.4] | 5.98 / 5.57 [13.4] | 7.41 / 6.65 [19.4] | 9.10 / 7.96 [19.4] | 14.35 / 11.27 [27.1] | 4.77 / 3.74 [8.6] |
| FUSE RATING (BS88) - HRC (A) | | 16 | 16 | 25 | 25 | 32 | 16 |
| MAINS CABLE No. CORES | | 3 | 3 | 3 | 3 | 3 | 5 |
| MAX PIPE LENGTH (m) | | 50 | 50 | 55 | 55 | 100 | 100 |
| MAX HEIGHT DIFFERENCE (m) | | 30 | 30 | 30 | 30 | 30 | 30 |
| CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) - R32 (GWP 675) | | 2.00 / 1.35 (30m) | 2.00 / 1.35 (30m) | 2.80 / 1.89 (30m) | 2.80 / 1.89 (30m) | 3.60 / 2.43 (40m) | 3.60 / 2.43 (40m) |
| 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 | 2.40 / 1.62 | 2.40 / 1.62 |

③ Three Phase

| PKA-M35/50LA DIMENSIONS | | | | PKA-M60/71/100KA DIMENSIONS | | | |
|-------------------------|--|------------|--|-----------------------------|--|------------|--|
| UPPER VIEW | | FRONT VIEW | | UPPER VIEW | | FRONT VIEW | |
| | | | | | | | |
| SIDE VIEW | | | | SIDE VIEW | | | |
| | | | | | | | |



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Note: 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), R515B (GWP:292), R454C (GWP:148), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a hydrocarbon, R290 (GWP:0.02). *These GWP values are based on IPCC 6th edition.

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