



| Parameter / Model | Unit | Tadiran Multi 1:2R | Tadiran Multi 1:3R | Tadiran Multi 1:4RA | Tadiran Multi 1:4RB | Tadiran Multi 1:5R |
|--|-----------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Cooling Capacity | KW | 5.2 (2.1~5.9) | 7 (2.3~8.45) | 8.2 (2.3~10.55) | 10.50 | 12.10 |
| Cooling Capacity | Btu/h | 17742 (7165.2~20130.8) | 23884 (7847.6~28831.4) | 27978.4 (7847.6~35996.6) | 35826 | 41285 |
| Pdesign | KW | 5.20 | 7.00 | 8.20 | 10.50 | 12.10 |
| Heating Capacity | KW | 5.2 (2.55~5.95) | 7 (3.5~8.6) | 8.2 (4.1~10.7) | 10.50 | 12.10 |
| Heating Capacity | Btu/h | 17742 (8700.6~20301.4) | 23884 (11942~29343.2) | 27978.4 (13989.2~36508.4) | 35826 | 41285 |
| Pdesign (Average) | KW | 5.20 | 7.00 | 8.20 | 10.50 | 10.70 |
| EER | W/W | 3.71 | 3.68 | 3.57 | 2.92 | 2.69 |
| EER | W/W | 12.66 | 12.56 | 12.18 | 9.96 | 9.18 |
| COP | W/W | 4.16 | 4.24 | 3.90 | 3.28 | 2.88 |
| COP | W/W | 14.19 | 14.46 | 13.30 | 11.19 | 9.82 |
| SEER | — | 6.10 | 6.10 | 6.10 | 6.10 | 5.60 |
| SCOP (Average) | — | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| Energy Class | — | A++/A+ | A++/A+ | A++/A+ | A++/A+ | A+/A+ |
| Sound Pressure Level | dB(A) | 54 | 55 | 55 | 58 | 58 |
| Sound Power Level | dB(A) | 63 | 68 | 68 | 68 | 68 |
| Rated Voltage | V | 220-240 | 220-240 | 220-240 | 220-240 | 220-240 |
| Rated Frequency | Hz | 50 | 50 | 50 | 50 | 50 |
| Phases | — | 1 | 1 | 1 | 1 | 1 |
| Min/Max. Voltage | V* | 184/264 | 184/264 | 184/264 | 184/264 | 184/264 |
| Cross-sectional Area of Power Cable Condu | mm ² | 1.50 | 2.50 | 2.50 | 4.00 | 4.00 |
| Cross-sectional Area of Power Cable Condu | sq. in | 0.0023 | 0.0039 | 0.0039 | 0.0062 | 0.0062 |
| Recommended Power Cable(Core) | — | 3 | 3 | 3 | 3 | 3 |
| Fuse Current | A | 16 | 25 | 25 | 32 | 32 |
| Max. Over Current Protection | A | 16 | 25 | 25 | 32 | 32 |
| Cooling Power Input | KW | 1.4(0.56~1.59) | 1.9(1.05~2.85) | 2.30 | 3.60 | 4.50 |
| Heating Power Input | KW | 1.25(0.8~1.8) | 1.65(0.95~2.8) | 2.10 | 3.20 | 4.20 |
| Cooling Rated Power Input | KW | 2.50 | 2.65 | 3.60 | 4.80 | 5.20 |
| Heating Rated Power Input | KW | 2.25 | 2.40 | 3.40 | 4.60 | 5.00 |
| Cooling Current Input | A | 6.13 (2.46~6.98) | 8.34 (4.6~12.5) | 10.20 | 15.81 | 19.76 |
| Heating Current Input | A | 5.49 (3.49~7.88) | 7.21 | 9.32 | 14.05 | 18.45 |
| Cooling Rated Current Input | A | 10.98 | 11.76 | 15.97 | 21.08 | 22.84 |
| Heating Rated Current Input | A | 9.88 | 10.65 | 15.08 | 20.41 | 22.18 |
| Compressor Trademark | — | PANASONIC | PANASONIC | GMCC | GMCC | GMCC |
| Compressor Model | — | 98D132ZAA21 | 98D160ZAA21 | KTP400D64UMV | KTP400D64UMV | KTP420D10UMV |
| Compressor Type | — | Inverter Rotary | Inverter Rotary | Inverter Rotary | Inverter Rotary | Inverter Rotary |
| Compressor Capacity | W | 3615 | 4550 | 13100 | 13100 | 13700 |
| Compressor Power Input | W | 1330 | 1645 | 3560 | 3560 | 3700 |
| Compressor Thermal Protector | — | KSD301-11.5/10RC22X2-S4 | KSD301-11.5/10RC22X2-S4 | Internal | Internal | Internal |
| Compressor Crankcase | W | 20 | 22 | 23 | 27 | 27 |
| Compressor Refrigerant Oil Type | — | FW50S | FW50S or equivalent | ESTER OIL VG74 | ESTER OIL VG74 | ESTER OIL VG74 |
| Compressor Refrigerant Oil Charge | L | 0.450 | 0.500 | 0.100 | 0.100 | 0.140 |
| Chassis Electrical Heater Power Input | W | 72 | 96 | 96 | 96 | 96 |
| Chassis Electrical Heater Current | A | 0.32 | 0.4 | 0.4 | 0.4 | 0.4 |
| Fan Type | — | Axial-flow | Axial-flow | Axial-flow | Axial-flow | Axial-flow |
| Fan Quantity | — | 1 | 1 | 1 | 1 | 1 |
| Fan Diameter-height | mm | 822-140 | 550-124 | 550-124 | 570-137 | 570-137 |
| Motor Model | — | SGW60M-ZL | SGW120M-ZL | SGW120M-ZL | SGW120M-ZL | SGW120M-ZL |
| Motor Type | — | DC motor | DC motor | DC motor | DC motor | DC motor |
| Motor Insulation Class | — | E | E | E | E | E |
| Motor Safe Class | — | IP44 | IP44 | IP44 | IP44 | IP44 |
| Motor Full Load Amp (FLA) | A | 1.03 | 0.96 | 0.96 | 0.96 | 0.96 |
| Fan Motor Type | — | DC motor | DC motor | DC motor | DC motor | DC motor |
| Fan Motor Drive Type | — | Direct drive | Direct drive | Direct drive | Direct drive | Direct drive |
| Fan Motor Speed | rpm | 750 | 750 | 750 | 840 | 840 |
| Fan Motor Power Output | W | 60 | 120 | 120 | 120 | 120 |
| Fan Motor Power Input | W | 85 | 145 | 145 | 165 | 165 |
| Condenser Material | — | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube |
| Condenser Face Area | m ² | 0.55 | 0.73 | 0.73 | 0.915 | 0.915 |
| Condenser Pipe Diameter | mm | φ7 | φ7 | φ7 | φ8 | φ8 |
| Condenser Number of Rows | — | 1.5 | 2 | 2.5 | 2.5 | 2.5 |
| Condenser Tube Pitch(a)×Row Pitch(b) | mm | 22×19.05 | 22×19.05 | 22×19.05 | 22×19.05 | 22×19.05 |
| Condenser Fin Pitch | mm | 1.4 | 1.4 | 1.4 | 1.40 | 1.40 |
| Condenser Fins per Inch(FPI) | — | 18 | 18 | 18 | 18.14 | 18.14 |
| Condenser Fin Colour | — | blue | blue | blue | blue | blue |
| Condenser Number of Circuits | — | 2in-2out | 3in-3out | 3in-3out | 10in-10out | 10in-10out |
| Condenser Length(L) × Height(H) × Width(W) | mm | 840×660×38.1 | 970×748×38.1 | 990×790×38.1 | 945×968×38.1 | 945×968×38.1 |
| Outdoor Max. Allowable Pressure | MPa | 10.0 | 10.0 | 10.0 | 10.00 | 10.00 |
| Outdoor max operating pressure of heat exchanger | MPa | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| Permissible Excessive Operating Pressure for the Discharge Side | MPa | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| Permissible Excessive Operating Pressure for the Suction Side | MPa | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| Maximum Allowable Pressure | MPa | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| Cooling operation Ambient temperature | °C | -15~55 | -15~55 | -15~55 | -15~55 | -15~55 |
| Heating operation Ambient temperature | °C | -20~30 | -20~30 | -20~30 | -20~30 | -20~30 |
| Maximum drive IDU NO. | unit | 2 | 3 | 4 | 4 | 5 |
| Defrosting Method | — | Automatic Defrosting | Automatic Defrosting | Automatic Defrosting | Automatic Defrosting | Automatic Defrosting |
| Isolation | — | I | I | I | I | I |
| Moisture Protection | — | IP24 | IP24 | IP24 | IP24 | IP24 |
| Climate Type | — | T1 | T1 | T1 | T1 | T1 |
| Climate Zone | — | Temperate Zone | Temperate Zone | Temperate Zone | Temperate Zone | Temperate Zone |
| Refrigerant | — | R32 | R32 | R32 | R32 | R32 |
| Refrigerant Charge | kg | 1.10 | 1.50 | 1.80 | 2.20 | 2.50 |
| Throttling Method | — | Electronic expansion valve | Electronic expansion valve | Electronic expansion valve | Electronic expansion valve | Electronic expansion valve |
| Dimension of Outline (WxDxH) | mm | 960x396x700 | 990x426x790 | 990x426x791 | 1020x396x997 | 1020x396x997 |
| Dimension of Carton Box (LxWxH) | mm | 1008x452x742 | 1054x479x832 | 1054x479x833 | 1098x445x1028 | 1098x445x1029 |
| Dimension of Package (LxWxH) | mm | 1011x455x763 | 1057x482x855 | 1057x482x856 | 1101x445x1148 | 1101x445x1149 |
| Outdoor Unit Stacked Layers | — | 4 | 4 | 4 | 4 | 4 |
| Net Weight | kg | 45 | 60 | 64 | 84 | 85.00 |
| Gross Weight | kg | 48.5 | 64 | 69 | 94 | 95 |
| Outdoor unit Loading Quantity (20' High Cube Container) | unit | 81 | 48 | 48 | 52 | 52 |
| Outdoor unit Loading Quantity (40' High Cube Container) | unit | 171 | 96 | 96 | 104 | 104 |
| Outdoor Unit Loading Quantity (40' High Cube Container) | unit | 171 | 144 | 144 | 104 | 104 |
| Connection Pipe Connection Method | — | Flare Connection | Flare Connection | Flare Connection | Flare Connection | Flare Connection |
| Connection Pipe Length (total length) | m | 10(Liquid pipe total length) | 10(Liquid pipe total length) | 10(Liquid pipe total length) | 10(Liquid pipe total length) | 10(Liquid pipe total length) |
| Connection Pipe Gas Additional Charge | g/m | 16 | 16 | 22 | 22 | 22 |
| Outer Diameter of Liquid Pipe 1 | inch | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" |
| Outer Diameter of Liquid Pipe 2 | inch | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" |
| Outer Diameter of Liquid Pipe 3 | inch | / | 1/4" | 1/4" | 1/4" | 1/4" |
| Outer Diameter of Liquid Pipe 4 | inch | / | / | 1/4" | 1/4" | 1/4" |
| Outer Diameter of Liquid Pipe 5 | inch | / | / | / | / | 1/4" |
| Outer Diameter of Gas Pipe 1 | inch | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" |
| Outer Diameter of Gas Pipe 2 | inch | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" |
| Outer Diameter of Gas Pipe 3 | inch | / | 3/8" | 3/8" | 1/2" | 1/2" |
| Outer Diameter of Gas Pipe 4 | inch | / | / | 3/8" | 5/8" | 1/2" |
| Outer Diameter of Gas Pipe 5 | inch | / | / | / | / | 5/8" |
| Connection Pipe Max. Height Distance (indoor and indoor) | m | 5 | 5 | 5 | 7.5 | 7.5 |
| Connection Pipe Max. Height Distance (indoor and outdoor and indoor up) | m | 5 | 10 | 10 | 15 | 15 |
| Connection Pipe Max. Height Distance (indoor and outdoor and outdoor up) | m | 5 | 10 | 10 | 15 | 15 |
| Max. equivalent connection pipe length (outdoor to last indoor) | m | 10 | 20 | 20 | 25 | 25 |
| Connection Pipe Max. Length Distance (total length) | m | 20 | 60 | 70 | 70 | 75 |