

Specifications

Outdoor units R32

- Compressor with Digital Inverter Boost technology.
- Equipped with NASA communication protocol.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fan and controller from power surges.



| Outdoor Unit | | AJ040TXJ2KG/EU | AJ050TXJ2KG/EU | AJ052TXJ3KG/EU | AJ068TXJ3KG/EU | |
|--|---|---------------------|--|----------------------|----------------------|--|
| Maximum number of connectable indoor units | | 2 | 2 | 3 | 3 | |
| Capacity | | | | | | |
| Capacity | Cooling (Nominal) | kW | 4.0 | 5.0 | 5.2 | 6.8 |
| | Heating @+7°C | kW | 4.2 | 5.6 | 6.3 | 8.0 |
| | Heating @+5°C | kW | 3.36 | 4.22 | 4.22 | 6.02 |
| | Heating @+10°C | kW | 2.70 | 3.60 | 3.60 | 5.14 |
| | Heating @+15°C | kW | 2.23 | 2.98 | 2.98 | 4.25 |
| Performance | | | | | | |
| Energy Efficiency Cooling | SEER ¹ | W/W | 8.54 | 8.54 | 8.51 | 7.75 |
| | Power Consumption | kWh/a | 164 | 205 | 206 | 293 |
| | Pdesignc | kW | 4.0 | 5.0 | 5.0 | 6.5 |
| | EER | W/W | 4.44 | 4.10 | 4.16 | 3.78 |
| Energy Efficiency Heating | SCOP ¹ | W/W | 4.60 | 4.64 | 4.60 | 4.32 |
| | Power Consumption | kWh/a | 922 | 1,270 | 1,400 | 1,833 |
| | Pdesignh (average) | kW | 3.1 | 4.2 | 4.6 | 5.7 |
| | COP ¹ | W/W | 4.64 | 4.38 | 4.37 | 4.42 |
| Airflow Rate | | m ³ /min | 29.7 | 33.1 | 38.0 | 47.5 |
| Sound Power | | dB(A) | 60 | 61 | 61 | 64 |
| | Sound Pressure | | dB(A) | 45 | 46 | 46 |
| Fan | | dB(A) | 46 | 47 | 48 | 50 |
| | Type | | Propeller Fan | Propeller Fan | Propeller Fan | Propeller Fan |
| Discharge direction | | Front (horizontal) | Front (horizontal) | Front (horizontal) | Front (horizontal) | |
| | Power | W | 40 | 40 | 125 | 125 |
| Number of Fans | | 1 | 1 | 1 | 1 | |
| | Cooling | °C | -5.0-46.0 | -5.0-46.0 | -10.0-46.0 | -10.0-46.0 |
| Operating Temperature Range | Heating | °C | -15-24 | -15-24 | -15-24 | -15-24 |
| | Electrical Data | | | | | |
| Power Source | | Φ, V, Hz | 10, 220-240 V, 50 Hz | 10, 220-240 V, 50 Hz | 10, 220-240 V, 50 Hz | 10, 220-240 V, 50 Hz |
| Compressor Type | | | Twin BLDC Rotary | Twin BLDC Rotary | Twin BLDC Rotary | Twin BLDC Rotary |
| Power Consumption | Cooling | kW | 0.90 | 1.22 | 1.25 | 1.80 |
| | Heating | kW | 0.90 | 1.28 | 1.32 | 1.81 |
| Operating Current | Cooling | A | 4.1 | 5.6 | 5.5 | 8.1 |
| | Heating | A | 4.1 | 5.9 | 6.1 | 8.2 |
| Dimensions | | | | | | |
| Net Dimensions (W x H x D) | | mm | 790 x 548 x 285 | 790 x 548 x 285 | 880 x 658 x 310 | 880 x 798 x 310 |
| Net Weight | | kg | 32.0 | 33.0 | 44.5 | 57.5 |
| Refrigerant | | | | | | |
| Refrigerant | Type | | R32 (contains fluorinated greenhouse gases. GWP = 675) | | | R32 (contains fluorinated greenhouse gases. GWP = 675) |
| | Factory Charging | kg | 0.98 | 1.18 | 1.55 | 2.00 |
| | Chargeless Piping Length | m | 30.0 | 30.0 | 30.0 | 30.0 |
| | Charging Ton equivalent CO ₂ | tCO ₂ e | 0.66 | 0.80 | 1.05 | 1.35 |
| | Additional Refrigerant Charging | g/m | | | | 10 |
| Piping Connections | Liquid Pipe | ø, inch | 1/4 x 2 | 1/4 x 2 | 1/4 x 3 | 1/4 x 3 |
| | Gas Pipe | ø, inch | 3/8 x 2 | 3/8 x 2 | 3/8 x 2 + 1/2 | 3/8 + 1/2 x 2 |
| Piping Length | Total Piping Length | m | 30 | 30 | 50 | 50 |
| | Min/Max | m | 3/25 | 3/25 | 3/25 | 3/25 |
| Piping Height | Max Height (ID-ID) | m | 7.5 | 7.5 | 7.5 | 7.5 |
| | Max Height (OD-ID) | m | 15 | 15 | 15 | 15 |

| | AJ080TXJ4KG/EU | AJ100TXJ5KG/EU | | |
|--|---|---------------------|--|----------------------|
| Maximum number of connectable indoor units | 4 | 5 | | |
| Capacity | | | | |
| Capacity | Cooling (Nominal) | kW | 8.0 | 10.0 |
| | Heating @+7°C | kW | 9.3 | 12.0 |
| | Heating @+5°C | kW | 7.00 | 9.03 |
| | Heating @+10°C | kW | 5.97 | 7.70 |
| | Heating @+15°C | kW | 4.94 | 6.38 |
| Performance | | | | |
| Energy Efficiency Cooling | SEER ¹ | W/W | 7.75 | 8.00 |
| | Power Consumption | kWh/a | 330 | TBA |
| | Pdesignc | kW | 7.3 | TBA |
| | EER | W/W | 4.06 | 3.64 |
| Energy Efficiency Heating | SCOP ¹ | W/W | 4.10 | 4.32 |
| | Power Consumption | kWh/a | 2,009 | 18A |
| | Pdesignh (average) | kW | 5.9 | 18A |
| | COP ¹ | W/W | 4.37 | 4.26 |
| Airflow Rate | | m ³ /min | 47.5 | 75.0 |
| Sound Power | | dB(A) | 64 | 70 |
| | Sound Pressure | | dB(A) | 48 |
| Fan | | dB(A) | 50 | 56 |
| | Type | | Propeller Fan | Propeller Fan |
| Discharge direction | | Front (horizontal) | Front (horizontal) | Front (horizontal) |
| | Power | W | 125 | 125 |
| Number of Fans | | 1 | 1 | |
| | Cooling | °C | -10.0-46.0 | -10.0-46.0 |
| Operating Temperature Range | Heating | °C | -15-24 | -15-24 |
| | Electrical Data | | | |
| Power Source | | Φ, V, Hz | 10, 220-240 V, 50 Hz | 10, 220-240 V, 50 Hz |
| Compressor Type | | | Twin BLDC Rotary | Twin BLDC Rotary |
| Power Consumption | Cooling | kW | 1.97 | 2.75 |
| | Heating | kW | 2.13 | 2.82 |
| Operating Current | Cooling | A | 8.9 | 12.2 |
| | Heating | A | 9.5 | 12.8 |
| Dimensions | | | | |
| Net Dimensions (W x H x D) | | mm | 880 x 798 x 310 | 940 x 998 x 330 |
| Net Weight | | kg | 57.5 | 76.5 |
| Refrigerant | | | | |
| Refrigerant | Type | | R32 (contains fluorinated greenhouse gases. GWP = 675) | |
| | Factory Charging | kg | 2.00 | 2.70 |
| | Chargeless Piping Length | m | 40.0 | 40.0 |
| | Charging Ton equivalent CO ₂ | tCO ₂ e | 1.35 | 1.82 |
| | Additional Refrigerant Charging | g/m | | 10 |
| Piping Connections | Liquid Pipe | ø, inch | 1/4 x 4 | 1/4 x 5 |
| | Gas Pipe | ø, inch | 3/8 x 2 + 1/2 x 2 | 3/8 x 2 + 1/2 x 3 |
| Piping Length | Total Piping Length | m | 70 | 75 |
| | Min/Max | m | 3/25 | 3/25 |
| Piping Height | Max Height (ID-ID) | m | 7.5 | 7.5 |
| | Max Height (OD-ID) | m | 15 | 15 |

¹Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Multi Split

Multi Split

