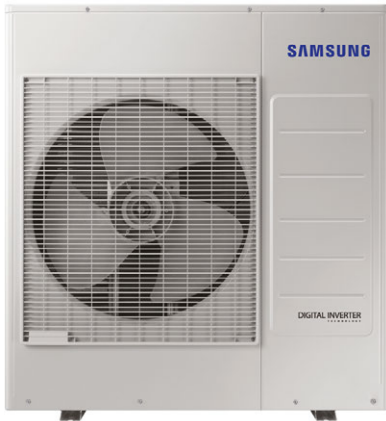


Outdoor unit range

The Samsung Free Joint Multi (FJM) air conditioning system combines efficiency and reliability to deliver outstanding performance in a space-saving design. Supporting up to five indoor units, the FJM is a perfectly optimized cooling system for residences and smaller buildings with limited installation space.



| Model | | | AJ050TXJ2KH/EA | AJ068TXJ3KH/EA | AJ080TXJ4KH/EA | AJ100TXJ5KH/EA | AJ125TXJ5KH/EA |
|------------------------------------|-------------------------------|--------------|-----------------|-----------------|-----------------|-----------------|------------------|
| Refrigerant | | | R410A | | | | |
| Power Supply | | (ØV, Hz) | 1, 220-240, 50 | | | | |
| Rated Capacity | Cooling | (kW) | 5.0 | 6.8 | 8.0 | 10.0 | 12.5 |
| | Heating | (kW) | 5.7 | 8.0 | 9.0 | 12.0 | 13.5 |
| Connectable number of indoor units | | Maximum | 2 | 3 | 4 | 5 | 5 |
| Efficiency ratio | EER - Cooling | | 3.79 | 3.40 | 3.36 | 3.45 | 3.16 |
| | COP - Heating | | 4.22 | 4.19 | 4.23 | 4.10 | 3.90 |
| Current | MCA | (A) | 11.9 | 15.2 | 18.2 | 25.0 | 34.0 |
| | MFA | (A) | 13.8 | 17.5 | 20.8 | 28.8 | 40.0 |
| Sound Pressure | Cooling | dB(A) | 46 | 48 | 48 | 54 | 52 |
| | Heating | dB(A) | 48 | 50 | 70 | 55 | 54 |
| Sound Power | | dB(A) | 61 | 64 | 64 | 70 | 70 |
| Piping, connections | Liquid Pipe | Φ, mm x EA | 6.35 x 2 | 6.35 x 3 | 6.35 x 4 | 6.35 x 5 | 6.35 x 5 |
| | | Φ, inch x EA | 1/4 x 2 | 1/4 x 3 | 1/4 x 4 | 1/4 x 5 | 1/4 x 5 |
| | Gas Pipe | Φ, mm x EA | 9.52 x 2 | 9.52 + 12.7x2 | 9.52x2 + 12.7x2 | 9.52x2 + 12.7x3 | 9.52x2 + 12.7x3 |
| | | Φ, inch x EA | 3/8 x 2 | 3/8 + 1/2x2 | 3/8x2 + 1/2x2 | 3/8x2 + 1/2x3 | 3/8x2 + 1/2x3 |
| | Total Piping Length | (m) | 30 | 50 | 50 | 70 | 70 |
| | Max. Piping length (OD to ID) | (m) | 25 | 25 | 25 | 25 | 25 |
| Max Height (ID to OD) | (m) | 15 | 15 | 15 | 15 | 15 | |
| Max Height (ID to ID) | (m) | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | |
| Weight | | (kg) | 36 | 53.5 | 57.5 | 76.5 | 87.5 |
| Dimension | WxHxD | (mm) | 790 x 548 x 285 | 880 x 798 x 310 | 880 x 798 x 310 | 940 x 998 x 330 | 940 x 1210 x 330 |
| Operating temperature range | Cooling | °C | -10 to 46 | | | | |
| | Heating | °C | -15 to 24 | | | | |

Images are for illustration purposes. Product images may be different to actual product, product sizes vary depending on model. Specifications may be subject to change without prior notice.

- Capacities are based on (Equivalent refrigerant piping: 5m, Level differences: 0m).
 - Cooling: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, 24°C WB.
 - Heating: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB.
- Select wire size based on the value of MCA.
- Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dB(A) = A-weighted sound pressure level.
 - Reference acoustic pressure 0 dB = 20µPa.
- Sound power level is an absolute value that a sound source generates.
 - dB(A) = A-weighted sound power level.
 - Reference power: 1pW.
 - Measured according to ISO 3741.
- These products contain R410A (GWP=2,088) which is fluorinated greenhouse gas.