

Triangle Design For Powerful Cooling

The Samsung Air Conditioner's unique triangular design radically improves its performance, circulating cool air faster and further around your home. Its Smart Inverter also provides significantly greater energy efficiency.

- Triangle Design
- 2-Step Cooling
- Smart Inverter
- Triple Protector Plus
- Easy filter

Cools Faster, Farther, and Wider

The Samsung Air Conditioner has been designed from the ground up to be outstandingly efficient.

Its uniquely triangular design has a wider intake, so more air can be drawn in. The improved width and angle of its outlet, extra v-blades and a bigger fan also ensure that air is cooled and expelled faster and further. So refreshingly cool air reaches every corner of your room without blind spots.

Works Smart. Saves Energy

The Samsung Air Conditioner features an energy-efficient Smart Inverter with EER 10.8.

It can maintain the desired temperature without frequently shutting off and on, so it consumes up to 60% less energy.

The Smart Inverter helps you to stay comfortable for long periods of time, while using the minimum amount of energy.

Single User Mode

The Samsung Air Conditioner's Single User mode uses less compressor capacity, reducing power consumption,

while still providing a cool and comfortable environment. So you can use it when you're alone, even during a hot day, without worrying about the electricity bill.

And its reduced energy consumption also helps safeguard the environment.

Triple Protector Plus - Stable, Long-lasting Performance

The Samsung Air Conditioner keeps going in the most challenging environments. Its Triple Protector Plus technology prevents the compressor and controller from being overloaded by power surges and fluctuating electrical currents, without a separate voltage stabiliser. It also has an anti-corrosive coating to stop the condenser and cabinet from rusting. And its larger condenser and optimised refrigerant flow mean it can endure extremely hot temperatures (up to 58°C).

Easy to Take Out and Clean

Unlike conventional filters that are often difficult to access, the Samsung Air Conditioner's Easy Filter is located outside, on the top. So it can easily be taken out, cleaned and put back – without having to open a cover or pull hard to get it out. And its anti-bacterial coating filters dust,

dangerous airborne contaminants and allergens.

* Samsung Conventional models (AQV12TWS) had filters embedded inside the product, making it not easy to take out and clean the filter.

Smartly Convenient

With the Samsung Air Conditioner you can enjoy the confidence that it's perfectly installed and the convenience of remote control and trouble-shooting. Smart Installation checks for common problems to make sure it is properly installed. Using an App on your smartphone, Smart Wi-Fi lets you monitor and change energy settings from anywhere and Smart Check lets you diagnose errors and request a service immediately.

• Ensure Perfect Installation

Smart Installation is a self-diagnosis feature that ensures your Samsung Air Conditioner is installed perfectly by your service engineer. It automatically checks for installation faults that can cause problems when using the air conditioner, including ineffective communication with the outdoor unit, any issues with the integrity of the air pipe and poor refrigerant flow.

Performance

Capacity (Cooling, kW) 2.5

Capacity (Cooling, Min - Max) 0.99 - 3.20kW

Capacity (Heating, kW) 3.2

Capacity (Heating, Min - Max) 0.99 - 5.20kW

Air Circulation (Max, l/sec) 204

Energy Efficiency AEER (Cooling, W/W) 4.901

ACOP (Heating, W/W) 4.922

Moisture removal (l/hr) 1.0l/hours

Sound Pressure Levels Indoor High/Low/Quiet (Sound Pressure) 35 / 25 / 20dBA

Outdoor High (Sound Pressure) 45dBA

Outdoor High (Sound Power) 62dBA

Electrical Data

Energy Efficiency Operating Current (Cooling) 2.5A

Operating Current (Heating) 3.0A

Power Consumption (Cooling) 500 Watts

Power Consumption (Heating) 640 Watts

Power Source Φ /V/Hz 1 Φ / 220-240V / 50Hz

Physical Specifications

Dimension Net Dimension (WxHxD, Indoor) 896 x 260 x 275mm

Net Dimension (WxHxD, Outdoor) 790 x 547 x 281mm

Weight Net Weight (Indoor) 10.4kg

Net Weight (Outdoor) 32kg

Shipping Weight (Indoor) 12.8kg

Shipping Weight (Outdoor) 38kg

Technical Information

Piping Length Piping Length (Max) 15m

Piping Length (Pre Charged) 7.5m

Piping Length (Min) 3m

Piping Height Piping Height (Max) 8m

Refrigerant Type R410A/R22

SVC Valve Liquid (ODxL) Φ6.35mm

Gas (ODxL) Φ9.52mm

General Feature

Air Flow Optimal Single Blade Yes

Air Direction Control (Up/Down) Auto

Air Direction Control (Left/Right) Auto

Air Flow Control Step (Cool/Fan) 4 Steps

Natural Breeze Yes

Air Purification S-Plasma Ion Yes

Full HD Filter Yes

Auto Clean (Self Cleaning) Yes

Convenience Smart wifi Yes

Filter Cleaning Indicator Yes

Indoor Temp. Display Yes

Remote Controller Yes

Display On/Off Yes

Beep On/Off Yes

24-Hour Timer Yes

Auto Changeover Yes

Auto Restart Yes

Low Ambient Cooling -10 - 46°C

Heating -15 - 24°C

Operating Mode 2 Step Cooling Yes

Fast Cool Yes

Comfort Cool Yes

Dlight Cool Yes

Good Sleep Yes

Single User Mode Yes

Dehumidification Yes

Auto Mode Yes

Fan Mode Yes

Quiet Yes

Outdoor Unit Compressor Type BLDC

Anti-Corrosion Fin Yes.