

Split AC Installation Guidelines

Split systems require separate indoor and outdoor units connected by refrigerant and electrical lines.

- **Indoor Unit Placement:**
 - Maintain a minimum clearance of 6–8 inches (15–20 cm) from the ceiling to allow for proper airflow.
 - Maintain a minimum clearance of 4.75 inches (12 cm) from the side walls to allow for proper airflow.
 - Ensure the mounting bracket is slightly tilted (about 2–3 degrees) toward the drainpipe side to prevent indoor water leakage.
 - It is not recommended to drill any structural elements (columns or beams) to install bracket. However, if drilling is unavoidable, drilling depth shall not exceed 25mm.
- **Outdoor Unit Placement:**
 - Place the unit on a flat, stable surface (like a concrete pad or manufacturer recommended bracket) to minimize vibrations that can damage the compressor.
 - Ensure a clearance of at least 12 inches (30 cm) from the back wall and 6.5 feet (2 meters) of open space in front of the air outlet.
 - Maintain a minimum clearance of 24 inches (60cm) from the side walls to allow for proper airflow.
 - Keep the unit in a shaded area away from direct sunlight to prevent overheating and maintain efficiency.
- **Connection & Sealing:**
 - Drill the wall hole for lines at a downward angle toward the outside to facilitate water drainage.
 - Vacuum the system for 15–40 minutes before operation to remove air and moisture from the copper tubes, which is critical for performance.
- **Power connection:**
 - All sockets shall be of 15Amp and MCBs shall be upgraded accordingly. Electrical network to be upgraded if necessary or separate energy meter to be provided to cater for additional electrical loads
 - All electrical wires and piping from indoor to outdoor units shall be routed through 4"x4" casing.
- **Plumbing:**

- All drains for ACs shall be connected to PVC down pipe routing all the way to ground or connected to rainwater down pipe to soak pits.

Note: All manufacturers' specifications for specific brand to be installed shall be followed.