



## Guidelines for Air-Conditioners Installation Works

You are advised to check your block's electrical loading before the air-conditioner installation. Alternatively, you can also call our toll-free Branch Service Line on 1800-2255432.

### Flats provided with 30 Amps main switch

Types of Electrical Work	Need Permit?
Installation of air-conditioner (window unit, split unit and casement type) using existing approved 15 Amps power point or 20 Amps isolator provided by flat owner or HDB	No
Installation of air-conditioner (window unit, split unit and casement type) using new 15 Amps power point or new 20 Amps isolator	Yes. You need to <u>apply for a electrical permit</u> for a 15 Amps power point/20 Amps isolator before you can carry out the air-con installation

### Guidelines Governing the Installation

Flat Type	Max. Total Running Current Allowed	Air-Conditioner Condensing Unit Max. Weight Allowed
1/2 room	5 Amps	80 kg
3/4/5-room/Executive Masionette/Multi-Generation	8.5 Amps	80 kg
Executive Apartment (with 4 bedrooms)	8.5 Amps	80 kg
Executive Apartment (with 5 bedrooms in converted block)	11 Amps	80 kg

### Flats provided with 40 Amps main switch and Flats Upgraded under Main Upgrading Programme (MUP) / Home Improvement Programme (HIP)

Types of Electrical Work	Need Permit?
Installation of air-conditioner (window unit, split unit and casement type) using existing approved 15 Amps power point or 20 Amps isolator provided by flat owner or HDB	No

Installation of air-conditioner (window unit, split unit and casement type) using new 15 Amps power point or new 20 Amps isolator	No
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### Guidelines Governing the Installation

- The running current of air-conditioner should be restricted by 20amps DP isolator or 15amps power point
- Maximum of 2 split-type air-conditioner condensing units are allowed to be installed [ Note: The maximum weight allowed is 110 kg per wall panel be installed on the external wall or air-conditioner ledge]
- For wall mounted air-conditioner condensing units, each wall panel is allowed to mount only 1 air-conditioner condensing unit

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### General Conditions Governing Installation of Air Conditioners

Flat owner shall be responsible for the proper installation, safety and stability of the air-con (casement/window unit/split type).

1. Air-conditioner must be installed only by a BCA trained air-con installer
2. To submit the SP Services Ltd (SPSL) Form CS/5H endorsed by HDB to SPSL for testing of the new wiring
3. For air-conditioner mounted on the outside of the flat, flat owner is required to submit the installation report to the HDB Branch managing their flat within 14 days after installation. Alternatively, the flat owner can email the installation report to the HDB Branch managing their flat
4. Air-conditioner ledge is only to be used for placing of air condensing unit and nothing else

### Technical Requirements

1. Method of installation/location of air conditioner window unit and split type condensing unit (including the condensed water discharge pipe) must be in accordance with the approved location and method of installation. You may verify with the HDB Branch managing your flat for the approved location and appropriate installation method
2. All piping for the air conditioner must be run internally
3. Air-conditioner (casement/window unit/split type) are not allowed to be located along the common corridor
4. Flat owner shall ensure the air-conditioner installer insulates all air-conditioner pipes joints to prevent condensation/dripping of water
5. Condensation water must be properly discharged into a nearby internal floor trap
6. Upon completion of the installation work, flat owner and the air conditioner installer shall verify and ensure the running current of the air conditioner does not exceed the approved electrical rating
7. Air-conditioner (casement/window unit/split type) must not cause any vibration in the building and rubber padding should be provided at the base of the air-conditioner condensing unit (ACU)
8. No hacking of holes or openings through existing reinforced concrete structures within the unit
9. No embedment of air-conditioner pipe in reinforced concrete slab, column and reinforced

concrete beams

10. For pre-cast facade with tiles, a single opening of 50 mm x 50 mm per panel for the running of refrigerant pipe is allowed. However the flat owner/tenant must ensure that the air-conditioner installer checks the wall tiles surrounding the location of the opening for the bolts and refrigerant pipes are not delaminated. Any delaminated tiles have to be removed

11. To safeguard the public, air-con installer has to ensure that safety precautions are taken during the installation

12. For living room where existing gas pipe passes through, if flat owners wishes to air-condition the area, he/she must engage a Licensed Gas Service Technician to check and ensure that the gas pipes/installation complies with the Code of Practice for manufactured gas pipe installation, CP 51, clause 7.2.7, "Pipes in enclosed or unventilated areas" before proceeding with the air conditioner installation

## Maintenance

1. Flat owner shall, at his own expense, maintain the external wall face free from stains at all times
2. Flat owner shall, at his own expense, maintain the air-conditioner at all times to avoid causing any inconvenience or nuisance to nearby occupants
3. Flat owner shall abate any nuisance should it arise, failing which, he may be required by HDB to stop the use of or remove the air-conditioner

## Town Council's Conditions

1. The Town Council has imposed the following conditions for flats with air-conditioner ledge:
  - Flat owner shall:
    - Not tamper with the air-conditioner ledge which is part of the common properly maintained and managed by the Town Council, and
    - Ensure that air-conditioner ledge is kept clean and free from of obstruction at all times
  - Flat owner shall grant HDB, Town Council, other Government authorities and their authorised persons the right of entry into the premises to carry out routine checking and maintenance work to the air-conditioner ledge

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Last Updated on 28 Aug 2014