

IMPLEMENTATION

This regulation in conjunction with *Regulation 304.01*, aims to reduce both absolute urban temperature and the daytime temperature range. This results in minimisation of urban heat island effect (UHI).

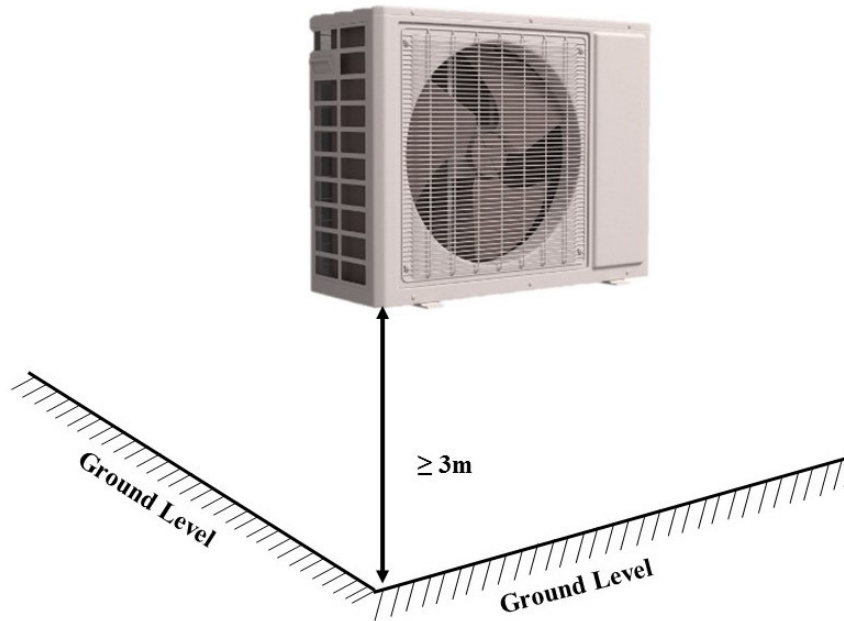


Fig 304.02(1): Installation Height for Heat Rejection Equipment ($P_i \geq 4\text{kW}$)

For buildings, heat rejection equipment must not be installed at lower levels, to ensure urban heat island (UHI) does not increase. This requires the unit such as window air conditioner or condenser of split units with an input power rating of 4 kW or greater, be installed at a level more than 3m from ground level as shown in Fig 304.02(1).

The heat rejection equipment mounted on the specified level / roof should allow safe access to condenser fan and fin sides for maintenance. It should also ensure scaffold access if fans are installed on a higher level. Proper installation procedures must be followed to avoid any loss of air circulation or reduced cooling capacity.

COMPLIANCE DOCUMENTATION

Table 304.02(1): Documents Required

Project Stages	Submittal Documents
Design Permit Application	1. Plans and sections showing the location & mounting heights for the proposed heat rejection equipment.
Construction Completion Application	1. Final approved plans and sections showing the location & the mounting heights for the proposed heat rejection equipment.
After Completion	Not applicable.