

Figure 3a: Requirements for AHU installation location  
(only applicable for indoor installations)

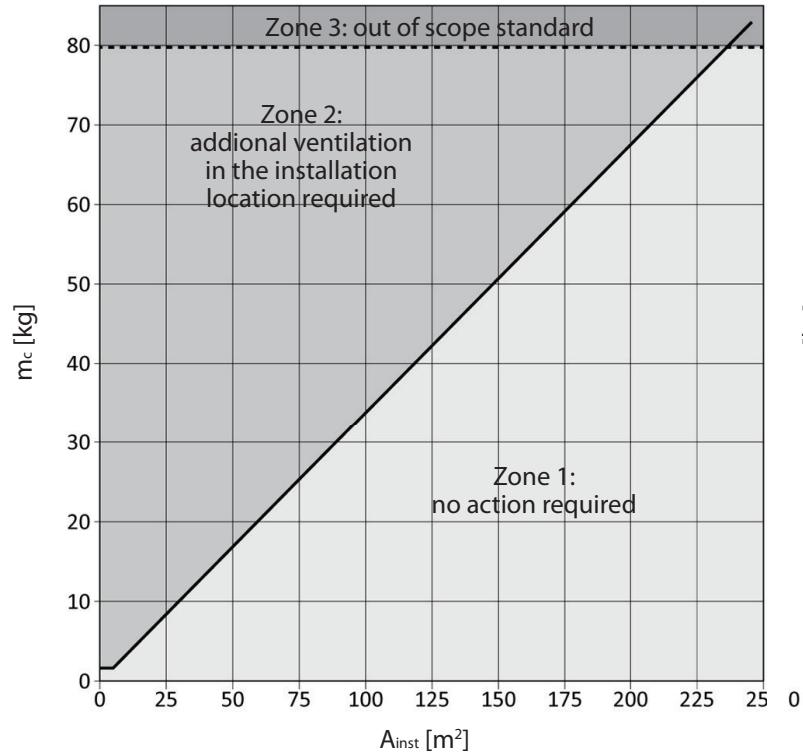
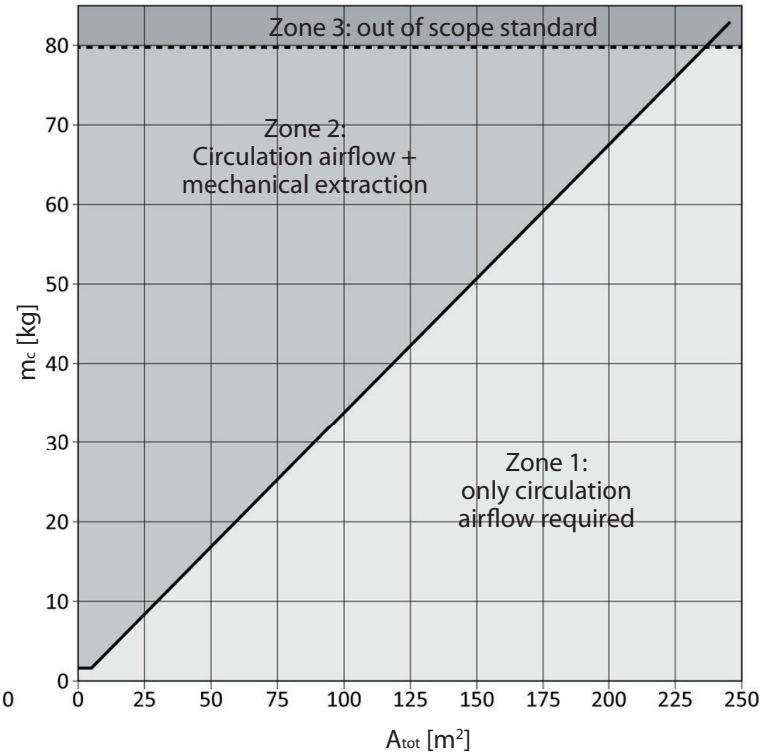


Figure 3b: Requirements for spaces served by AHU



———— 50% LFL · H · ( $A_{tot}$  or  $A_{inst}$ ) (valid for  $m_c > 1.84$  kg) (Equation 3)  
----- 260LFL

| Symbols    | Description                                                                                                                                                                                                                                              |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 260LFL     | Absolute maximum for the total refrigerant charge in the system                                                                                                                                                                                          |
| $A_{inst}$ | Installation space area                                                                                                                                                                                                                                  |
| $A_{min}$  | Minimum $A_{tot}$ or $A_{inst}$ (based on total refrigerant charge) to prevent mechanical extraction                                                                                                                                                     |
| $A_{tot}$  | Total conditioned space area<br>$A_{tot}$ is the sum of the floor areas of all the spaces connected by ducts to the air handling unit. Spaces where the airflow can be limited by zoning dampers, must NOT be included in the determination of $A_{tot}$ |
| H          | Height of the room = 2.2 m                                                                                                                                                                                                                               |
| LFL        | Lower flammability limit = 0.307 kg/m <sup>3</sup> for R32                                                                                                                                                                                               |
| $m_c$      | Total refrigerant charge in the system                                                                                                                                                                                                                   |