

## **NBC: National Building code of India 2016**

Table 12 Recommended Dimensions of Passenger Lifts and Service Lifts with Machine Room as per NBC  
(Clause 5.10.3.1)  
All dimensions in millimetres.

| No. of passenger | Rated Load | Car size   |            | COPD door  | Shaft sizes for Passenger and service lifts with Machine room for speed |            |                              |            |                              |            |                    |            |                              |            |                               |            |
|------------------|------------|------------|------------|------------|-------------------------------------------------------------------------|------------|------------------------------|------------|------------------------------|------------|--------------------|------------|------------------------------|------------|-------------------------------|------------|
|                  |            |            |            |            | Rated speed < 1m/s                                                      |            | 3.0m/s <=Rated speed<=3.5m/s |            | 4.0m/s <=Rated speed<=5.0m/s |            | Rated speed = 6m/s |            | 7.0m/s <=Rated speed<=8.0m/s |            | 9.0m/s <=Rated speed<=10.0m/s |            |
|                  | kg(3)      | Width h(4) | Depth h(5) | Width h(6) | Width h(7)                                                              | Depth h(8) | Width (11)                   | Depth (12) | Width (13)                   | Depth (14) | Width (15)         | Depth (16) | Width (17)                   | Depth (18) | Width (19)                    | Depth (20) |
| 4                | 272kg      | 1100       | 700        | 800        | 1900                                                                    | 1300       | NA                           | NA         | NA                           | NA         | NA                 | NA         | NA                           | NA         | NA                            | NA         |
| 6                | 408kg      | 1100       | 1000       | 800        | 1900                                                                    | 1700       | NA                           | NA         | NA                           | NA         | NA                 | NA         | NA                           | NA         | NA                            | NA         |
| 8                | 544kg      | 1300       | 1100       | 800        | 1900                                                                    | 1900       | NA                           | NA         | NA                           | NA         | NA                 | NA         | NA                           | NA         | NA                            | NA         |
| 10               | 680kg      | 1300       | 1350       | 800        | 1900                                                                    | 2150       | NA                           | NA         | NA                           | NA         | NA                 | NA         | NA                           | NA         | NA                            | NA         |
| 13               | 884kg      | 2000       | 1100       | 900        | 2600                                                                    | 1900       | NA                           | NA         | NA                           | NA         | NA                 | NA         | NA                           | NA         | NA                            | NA         |
| 14               | 952kg      | 1600       | 1400       | 900        | 2200                                                                    | 2100       | 2200                         | 2150       | 2250                         | 2150       | 2250               | 2250       | 2300                         | 2300       | 2300                          | 2450       |
| 16               | 1088kg     | 1600       | 1600       | 1000       | 2300                                                                    | 2300       | 2300                         | 2350       | 2300                         | 2350       | 2300               | 2450       | 2300                         | 2500       | 2300                          | 2650       |
| 18               | 1224kg     | 2000       | 1400       | 1100       | NA                                                                      | NA         | 2600                         | 2150       | 2600                         | 2150       | 2600               | 2250       | 2700                         | 2300       | 2700                          | 2450       |
| 20               | 1360kg     | 2000       | 1500       | 1100       | NA                                                                      | NA         | 2600                         | 2250       | 2600                         | 2250       | 2600               | 2350       | 2700                         | 2400       | 2700                          | 2550       |
| 22               | 1496kg     | 2100       | 1600       | 1100       | NA                                                                      | NA         | 2700                         | 2350       | 2700                         | 2350       | 2700               | 2450       | 2800                         | 2500       | 2800                          | 2550       |
| 26               | 1768kg     | 2350       | 1600       | 1200       | NA                                                                      | NA         | 3000                         | 2350       | 3000                         | 2350       | 3000               | 2450       | 3050                         | 2550       | 3050                          | 2550       |
| 29               | 1972kg     | 2350       | 1700       | 1200       | NA                                                                      | NA         | 3000                         | 2500       | 3000                         | 2500       | 3000               | 2550       | 3050                         | 2600       | 3050                          | 2700       |

### NOTES

- All dimensions given above for lifts having centre opening power operated doors (COPD) with counterweight at rear, are recommended dimensions primarily for architects and building planners. Any variations mutually agreed between the manufacturer and the purchaser are permitted. However, variation in,
  - car inside dimensions shall be within the minimum and maximum area limits specified in accordance with accepted standards [8-5A(6)].
  - entrance width on higher side is permitted.
  - entrance width on lower side is permitted up to 100 mm subject to minimum of 700 mm.
- The minimum size of the lift car and all other requirements relating to accessibility, in all public buildings shall be in accordance with 13 of Part 3 'Development Control Rules and General Building Requirements' of the Code.