Table 1 — Class I, II and VI lifts — Functional dimensions of cars

Dimensions in millimetres

Parameter	Rated speed v_n	Lifts in residential buildings				General-purpose lifts			Intensive-use lifts			
		Rated load (mass)										
		320 kg	450 kg	630 kg	1 000 kg	630 kg	800 kg	1 000 kg/ 1 275 kg	1 275 kg	1 600 kg	1 800 kg	2 000 kg
Height of car, h_4		2 200						2 300	2 400			
Height of car door and landing doors, h_3		2 000	2 100									
Pit depth [a], d_3	0,40 m/s [b]	1 400				c						
	0,63 m/s	1 400							c			
	1,00 m/s											
	1,60 m/s	c	1 600									
	2,00 m/s	c		1 750		c	1 750					
	2,50 m/s	c		2 200		c	2 200					
	3,00 m/s	c							3 200			
	3,50 m/s								3 400			
	4,00 m/s [d]								3 800			
	5,00 m/s [d]								3 800			
	6,00 m/s [d]								4 000			
Headroom [a], h_1	0,40 m/s [b]	3 600				c						
	0,63 m/s	3 600				3 800		4 200	c			
	1,00 m/s	3 700										
	1,60 m/s	c	3 800			4 000		4 200				
	2,00 m/s	c		4 300		c	4 400					
	2,50 m/s	c		5 000		c	5 000	5 200	5 500			
	3,00 m/s	c							5 500			
	3,50 m/s								5 700			
	4,00 m/s [d]								5 700			
	5,00 m/s [d]								5 700			
	6,00 m/s [d]								6 200			

[a] Some countries require additional headroom (h_1) and pit depth (d_3).

[b] For hydraulic lifts only.

[c] Non-standard configuration.

[d] Assumes advantages taken of reduced stroke buffering.

Table 2 — Class I, II and VI lifts — Machine room dimensions

Dimensions in millimetres

	Rated speed, v_n m/s	Rated load (mass)			
		320 kg to 630 kg $b_4 \times d_4$	**800 kg to 1 000 kg** $b_4 \times d_4$	**1 275 kg to 1 600 kg** $b_4 \times d_4$	**1 800 kg to 2 000 kg** $b_4 \times d_4$
Machine room for electric lifts	0,63 to 1,6	2 500 × 3 700	3 200 × 4 900	3 200 × 4 900	3 000 × 5 000
	2,0 to 3,0		2 700 × 5 100	3 000 × 5 300	3 300 × 5 700
	3,5 to 6,0		3 000 × 5 700	3 000 × 5 700	3 300 × 5 700
Machine room for hydraulic lifts [a]	0,4 to 1,0	Width or depth of well × 2 000 mm for lifts in residential buildings			
		Non-standard configuration for general-purpose or intensive-use lifts			

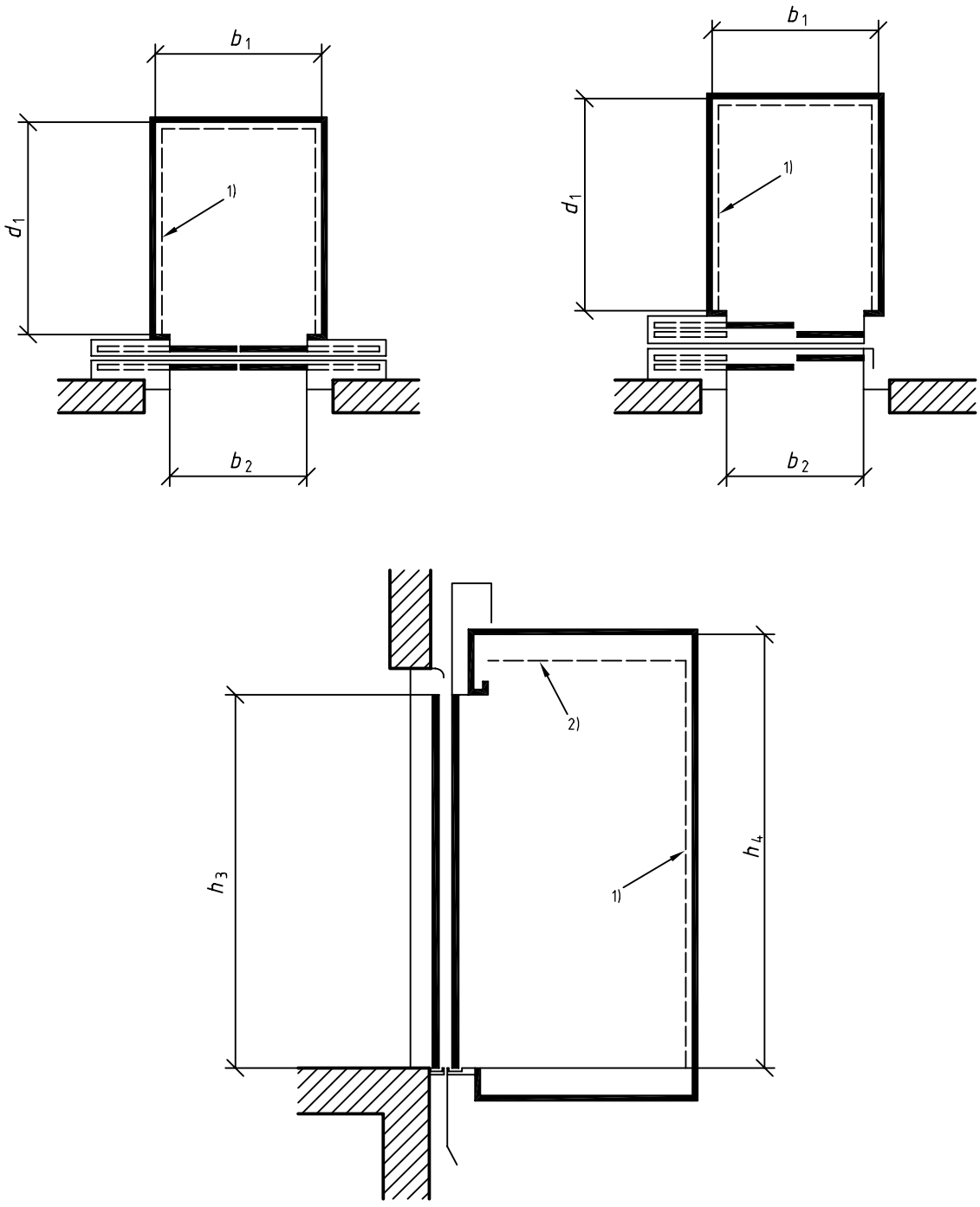
[a] Site conditions and national regulations may require different machine room dimensions (b_4, d_4, h_2).

Table 3 — Class III lifts (Health-care lifts) — Functional dimensions

Parameter	**Rated speed** v_n m/s		**Rated load (mass)**			
			1 275 kg	**1 600 kg**	**2 000 kg**	**2 500 kg**
Car		Height, h_4 (mm)	2 300			
Car door and landing doors		Height, h_3 (mm)	2 100			
Pit depth, d_3	0,63		1 600			1 800
	1,00		1 700			1 900
	1,60		1 900			2 100
	2,00		2 100			2 300
	2,50		2 500			
Headroom, h_1	0,63		4 400			4 600
	1,00		4 400			4 600
	1,60		4 400			4 600
	2,00		4 600			4 800
	2,50		5 400			5 600
Machine room [a]	0,63 to 2,50	Surface, A (m^2)	25		27	29
		Width [b], b_4 (mm)	3 200			3 500
		Depth [b], d_4 (mm)	5 500		5 800	

[a] Site conditions and national regulations may require different machine room dimensions (b_4, d_4, h_2).

[b] b_4 and d_4 are minimum values. The actual dimensions shall provide a floor area at least equal to A.

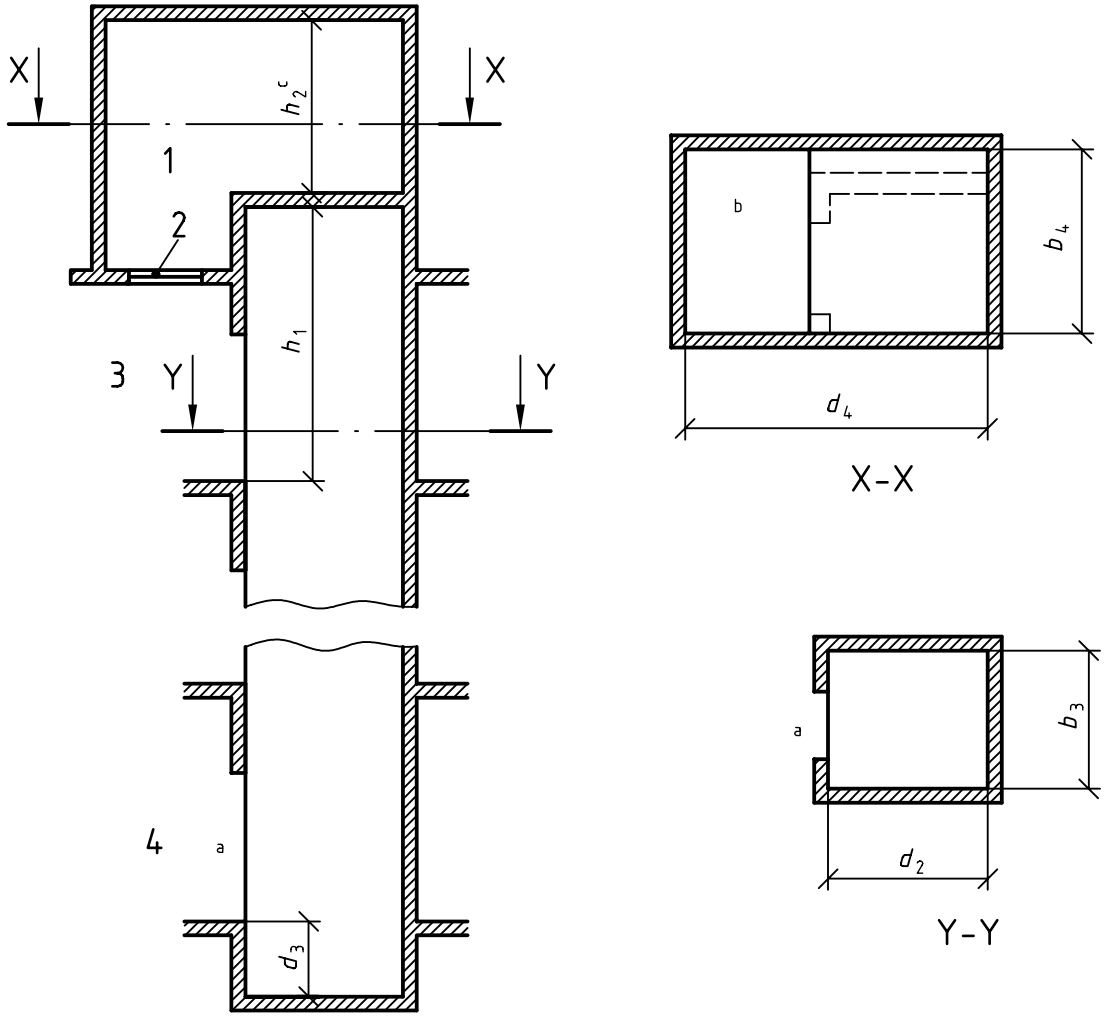


Key

b_1 Car width
b_2 Entrance width
d_1 Car depth
h_3 Entrance height
h_4 Car height

1) Decorative panels
2) Dropped ceiling

Figure 1 — Car and entrance dimensions



Key

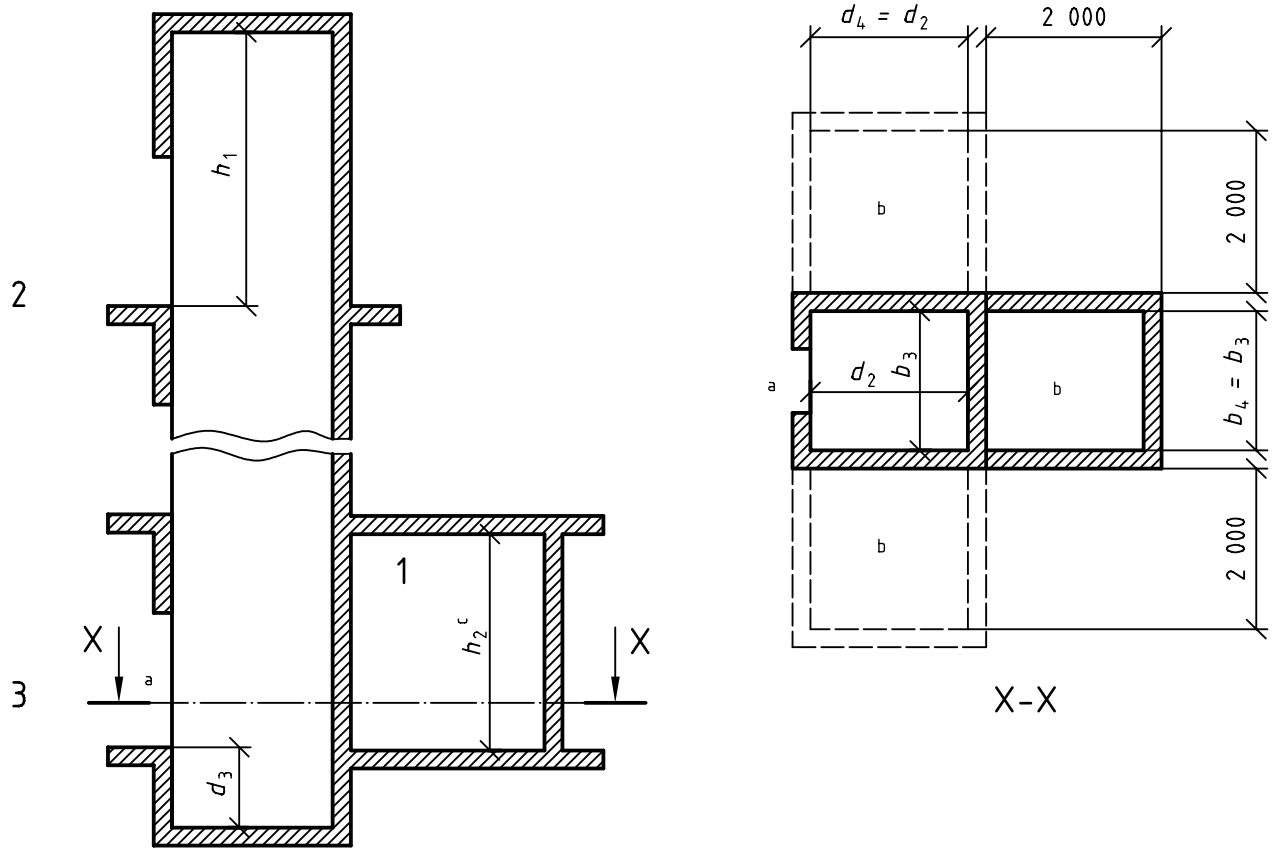
1 Machine room
2 Trap door
3 Highest level served
4 Lowest level served
5 Vertical section of well and machine room

b_3 Well width
b_4 Machine room width
d_2 Well depth
d_3 Pit depth
d_4 Machine room depth
h_1 Headroom height
h_2 Machine room height

a) For door details see Figure 1.
b) It is necessary to have an access door to the machine room although this is not indicated on the sketch.
c) See 2.3.12.

Figure 2 — Electric lifts

Dimensions in millimetres



Key

1 Machine room
2 Highest level served
3 Lowest level served
4 Vertical section of well and machine room

b_3 Well width
$b4$ Machine room width
d_2 Well depth
d_3 Pit depth
d_4 Machine room depth
h_1 Headroom height
h_2 Machine room height

a) For door details see Figure 1.

b) It is necessary to have an access door to the machine room although this is not indicated on the sketch.

c) See 2.3.12.

Figure 3 — Hydraulic lifts

Dimensions in millimetres

700 mm ENTRANCES

Car height: 2 200

Entrance height: 2 000

SERIES A

800 mm ENTRANCES

Car height: 2 200

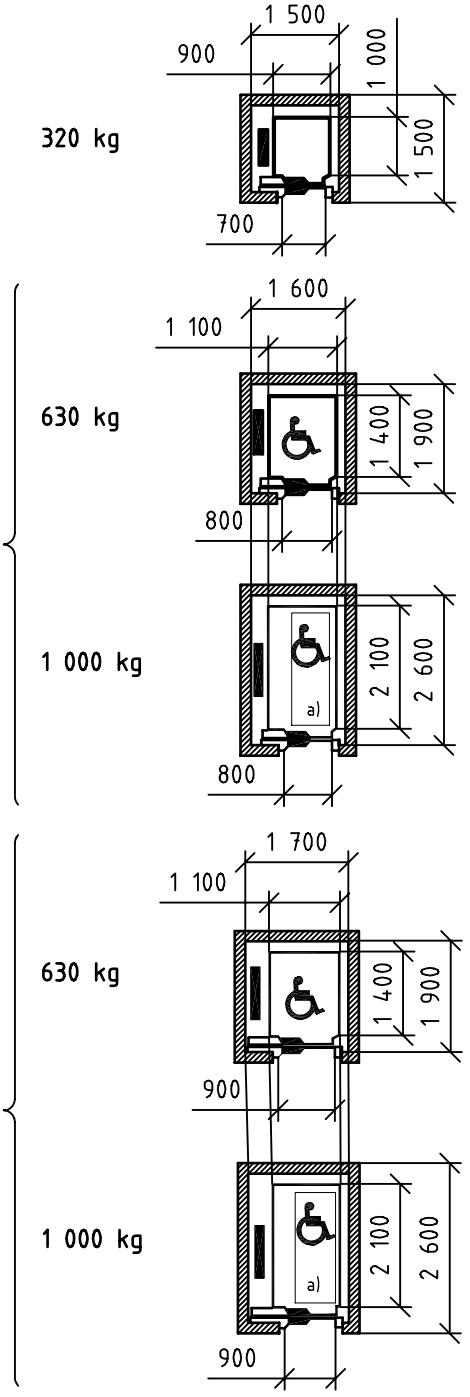
Entrance height: 2 100

SERIES B

900 mm ENTRANCES

Car height: 2 200

Entrance height: 2 100



NOTES

1 Lifts suitable for speeds up to and including 2,5 m/s.

2 The selection of either series A or B depends on national regulations or market requirements.

3 Both series A and B fulfil handicap requirements and carry the symbol . However, the selection of either an 800 mm or 900 mm door is subject to individual national regulations.

4 Even though counterweights are shown in the diagrams, the dimensions apply to all lifts irrespective of the drive system.

a) Dimensions of stretcher 600 mm × 2 000 mm.

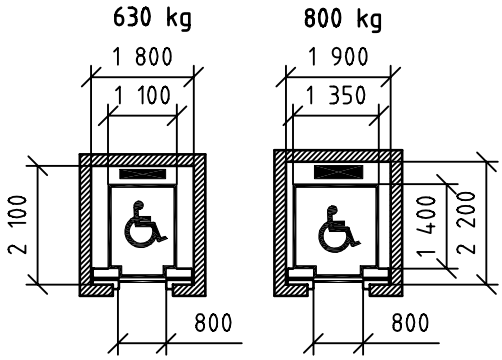
Figure 4 — Class I — Residential lifts

Dimensions in millimetres

Car height:	2 200	Car height:	2 300
Entrance height:	2 100	Entrance height:	2 100

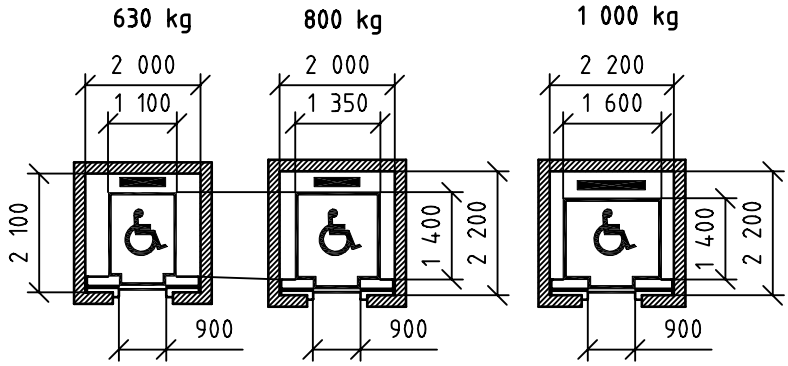
SERIES A

800 mm ENTRANCES



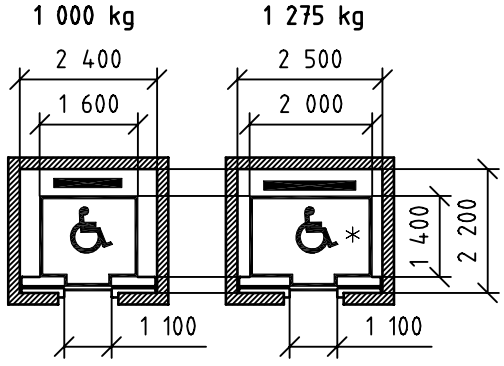
SERIES B

900 mm ENTRANCES



SERIES C

1 100 mm ENTRANCES



NOTES

1 Lifts suitable for speeds up to and including 2,5 m/s.
(When higher speeds are used, add 100 mm to the well width and depth.)

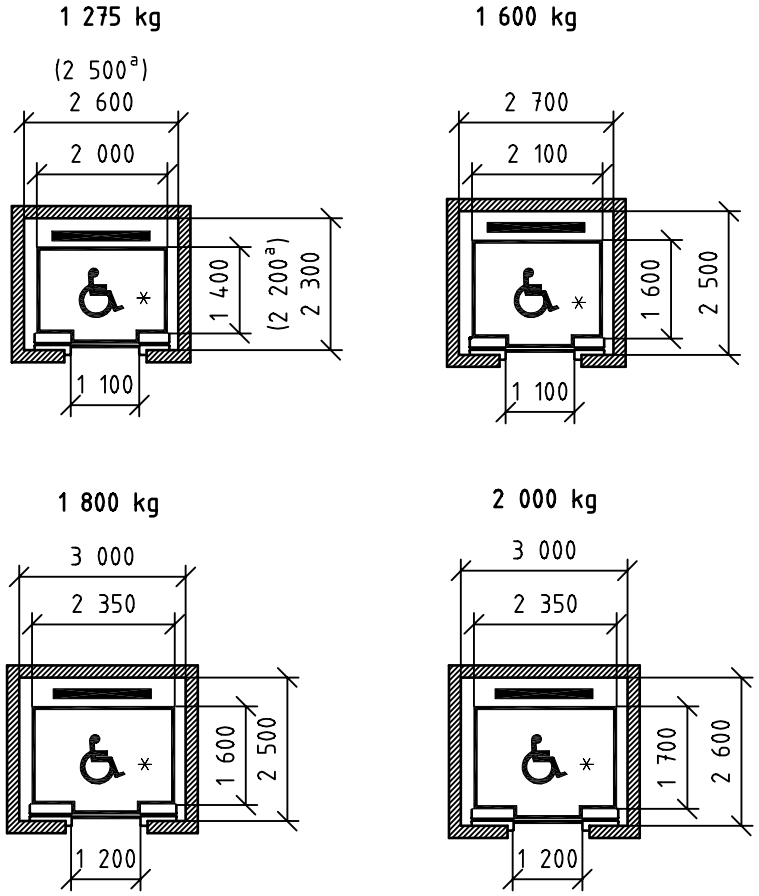
2 The selection of either series A, B or C depends on national regulations or market requirements.

3 Series A, B and C fulfil handicap requirements and carry the symbol .
However, the selection of either an 800 mm or 900 mm door is subject to individual national regulations.

4 Lifts marked thus * allow full manœuvrability of a wheelchair.
(For countries where the minimum requirement is that of full manœuvrability.)

Figure 5 — Class I — General-purpose lifts

Dimensions in millimetres



Car height: 2 400
Entrance height: 2 100

NOTES

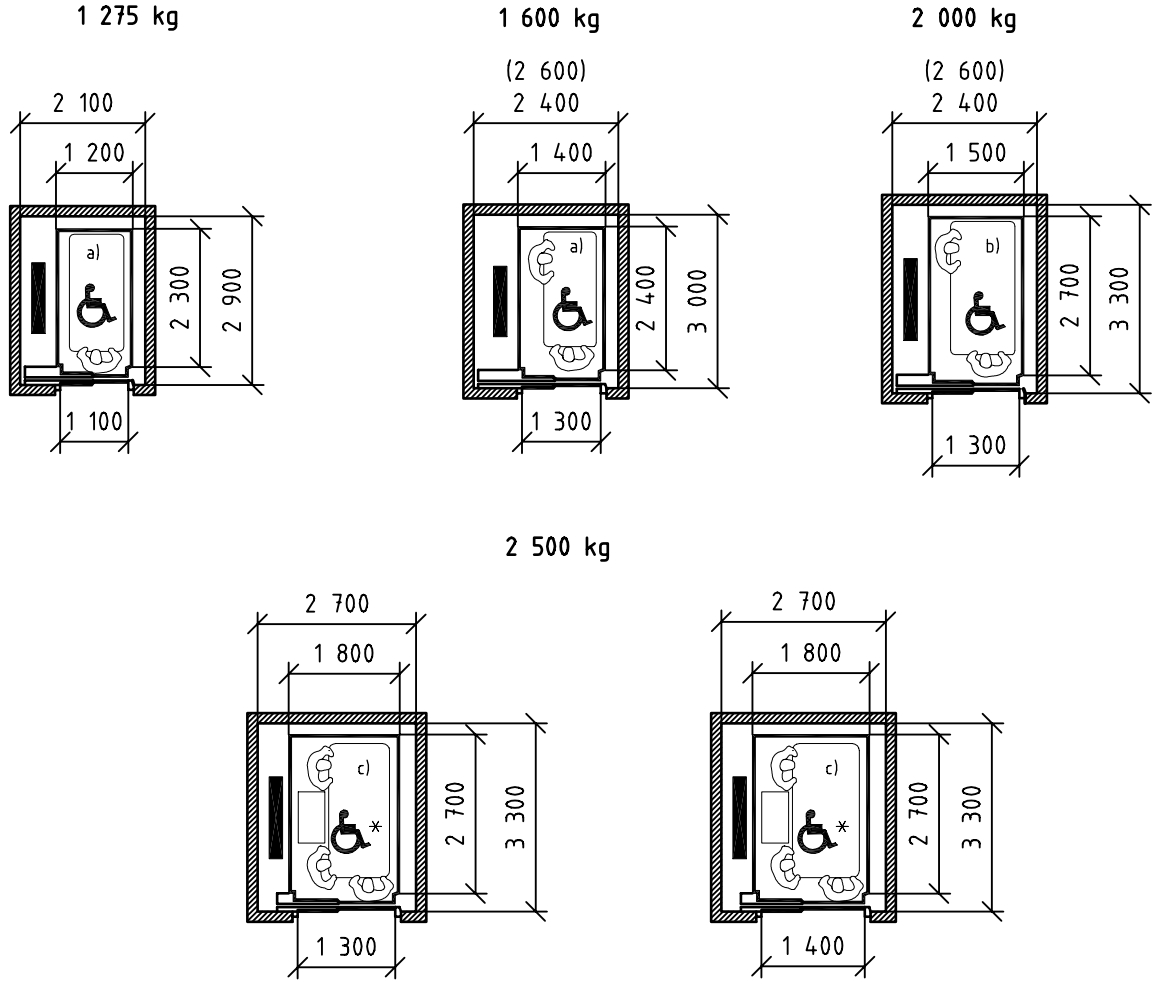
1 Lifts suitable for speeds 2,5 m/s up to and including 6,0 m/s because of having larger well sizes.

2 Lift marked thus * allow full manœuvrability of a wheelchair.
(For countries where the minimum requirement is that of full manœuvrability.)

a) Only for lifts with 1 275 kg rated load and 2,50 m/s rated speed (see Figure 5).

Figure 6 — Class VI — Intensive-use lifts

Dimensions in millimetres



Car height: 2 300

Entrance height: 2 100

NOTES

1 Lifts suitable for speeds up to and including 2,5 m/s.

2 Well dimensions shown in brackets are valid for hydraulic lifts.

3 Lifts marked thus * allow full manœuvrability of a wheelchair.

(For countries where the minimum requirement is that of full manœuvrability.)

4 Even though counterweights are shown in the diagrams, the dimensions apply to all lifts irrespective of the drive system.

a) Bed dimensions 900 mm × 2 000 mm.

b) Bed dimensions 1 000 mm × 2 300 mm.

c) Bed dimensions 1 000 mm × 2 300 mm, with additional instruments.

Figure 7 — Class III — Health-care lifts