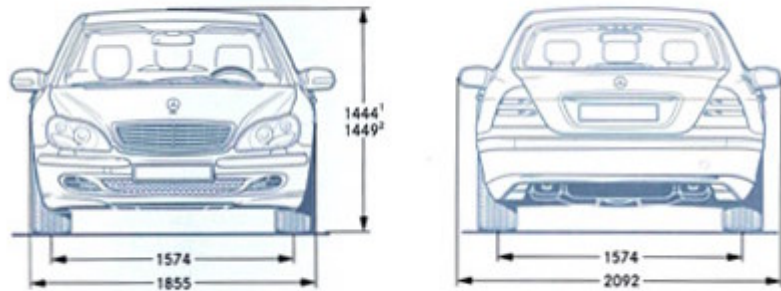
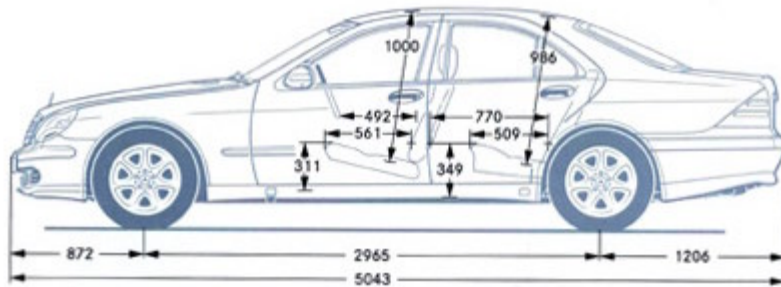


DESIGN INSTRUCTIONS FOR HYDRAULIC LIFTS



CAR LIFTS

(Lifts designed for vehicle transport with passengers or authorized personnel)

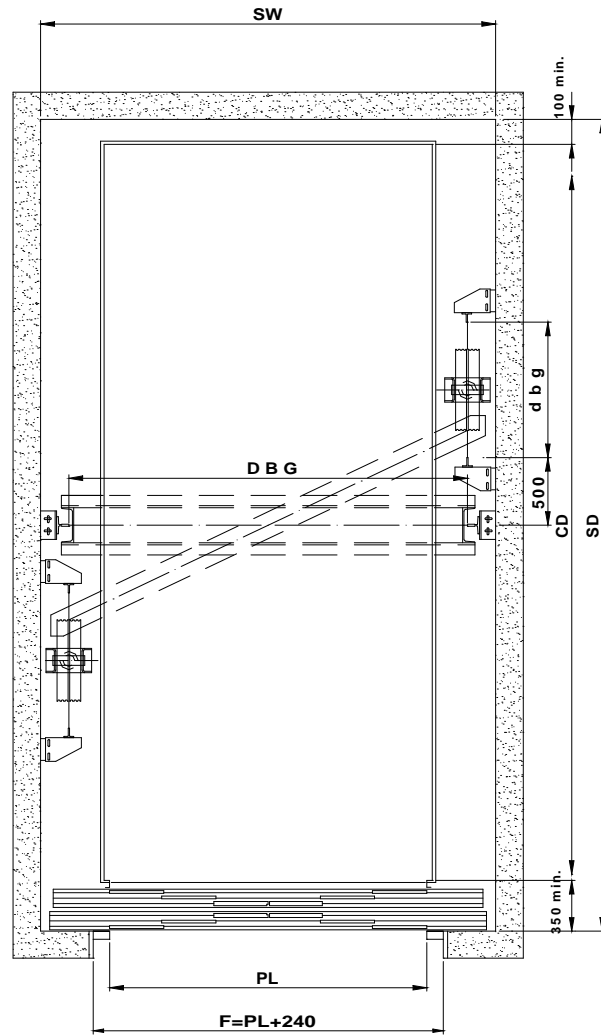


Recommended use by lift designers:

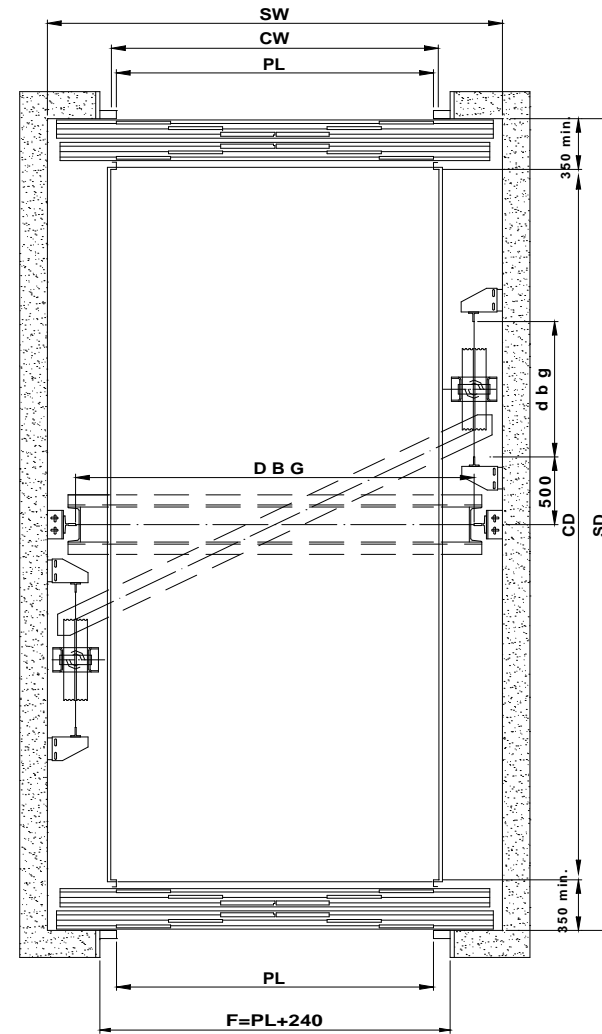
- ARCHITECTS
- CIVIL ENGINEERS
- MECHANICAL ENGINEERS
- ELECTRICAL ENGINEERS

COMPLETE LIFTS

CAR LIFTS



ONE AUTOMATIC 6PC DOOR (open front car)



TWO AUTOMATIC 6PC DOORS (open through car)

Notices: i) Shaft plan views shown are indicative of HADI 1:2 twin ram indirect lateral side acting,
 ii) Shaft structural openings (suggested) = $F + 60$ (mm)

CAR LIFTS

DIMENSIONS OF CAR LIFTS INDIRECT TWIN RAM LATERAL SIDE ACTING (HADI 1:2) or TWIN RAM DIRECT LATERAL SIDE ACTING (HAD 1:1) 6-PANEL CENTRAL OPENING AUTOMATIC DOORS									
RATED LOAD (Kg) ACCORDING TO EN81.2 TABLE 1.1A (TABLE 1.1)	MAX CAR AVAILABLE AREA ACCORDING TO EN81.2 TABLE 1.1A (m ²)	INTERNAL CLEAR CAR DIMENSIONS (mm)		CLEAR DOOR WIDTH (PL) (mm)	MINIMUM INTERNAL PLUMB SHAFT DIMENSIONS (mm) *			PIT DEPTH (mm)**	HEADROOM (mm)***
		CAR WIDTH (CW)	CAR DEPTH (CD)		SHAFT WIDTH (SW)	SHAFT DEPTH (SD)			
						ONE DOOR	TWO DOORS (open through)		
3000 (6025)	10,64	2300	4600	2200	3200	5100	5350	1250	3450
3500 (7275)	12,64	2300	5450	2200	3200	5950	6200	1500	3450
4000 (8525)	14,64	2500	5800	2400	3400	6300	6550	1500	3450
4500 (9775)	16,64	2700	6100	2400	3800	6600	6850	1500	3450
5000 (11025)	18,64	2900	6350	2500	4000	6850	7100	1500	3450
5500 (12275)	20,64	3100	6600	2500	4200	7100	7350	1500	3450
6000 (13525)	22,64	3300	6800	2500	4400	7300	7550	1500	3450

* Tolerances +/-20mm

** Values to comply with EN81-2 required manspace

*** Values underside shaft lifting beam to comply with EN81-2 required manspace, assuming:

- a) 150mm maximum suggested car overtravels at the utmost top lift level
- b) 2200mm clear internal car height measured from car floor to underside the car ceiling O10

Special notices:

- i) Car, car sling, ropes (1:2 acting), safety gear (1:2 acting), guide rails, pipe rupture valve and buffers selection according to point 8.2.2.3 of EN81-2, i.e. according to corresponding rated loads resulting from EN81-2 table 1.1 (shown in parenthesis).
- ii) Clear internal door height 2100mm.
- iii) Minimum required pit depths for HAD 1:1 actings may differ from the above stated ones in case of job specific pit borehole possibly needed (i.e case of telescopic rams).
- iv) For cases of existing pit depths and headrooms smaller than the above stated, please contact our exports department.