:: GOODS-PASSENGER LIFTS
UpLoad

:: CAR LIFTS
AutoLIFT

:: BED LIFTS
MediLIFT

:: MAX SURFACE LIFTS
MegaSpace

KLEEMANN™
Your 1st Choice in Lifts

LIFTS

GOODS-PASSENGER / CAR / BED/ MAX SURFACE

KLEEMANN manufactures and provides complete lifts and services that enhance safety, reliability, comfort and aesthetics in the transportation of passengers or goods escorted by passengers.

KLEEMANN goods / passenger lifts UpLoad, car lifts AutoLIFT, bed lifts MediLIFT and Max Surface lifts MegaSpace are extremely durable and designed to handle any load up to 15.000kg. The flexible design and manufacturing process provide the lift with the unique capability to be customized according to any building requirement.

These heavy-duty lifts form the ideal solution for building types such as storehouses, parking centers, hospitals, supermarkets, shopping malls, etc.

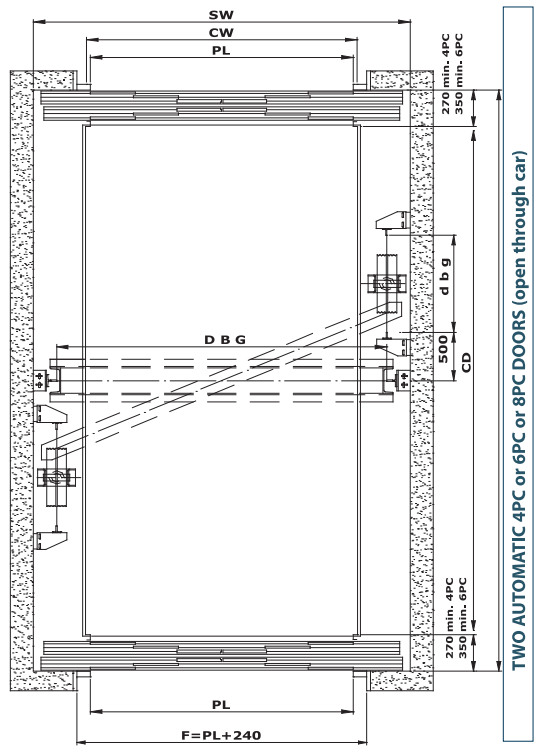
GOODS/PASSENGER LIFTS UpLoad

GOODS / PASSENGER LIFTS UpLoad

FEATURES

- Anti-vandal pushbuttons
- Protective bumper rails (elastic, wood, inox)
- Emergency car trap door
- 3D or 2D infra-red light door detector
- Speed up to 0,63 m/sec
- Overload detection
- Battery operated automatic emergency release procedure in case of power failure
- Two car operating panel (open through configurations)
- High accuracy leveling (option for electronic valve)
- VVVF automatic doors
- Microprocessor controller according to lift directive 95/16 EC (SABP or collective control operation)
- 2 ways hands free permanent communication emergency telephone according to lift directive 95/16 EC
- Heavy duty types of door sill tracks chosen according to rated load:

RATED LOAD	RECOMMENDED SILL
Up to 1.600 kg	Reinforced Aluminium Sill
1.600 kg up to 2.000 kg	Iron or Stainless Steel Sill
Above 2.000 kg up to 10.000 kg	Iron or Stainless Steel Solid (Massif) Sill



Notices: i) Shaft plan views shown are indicative of HADI 1:2 twin ram indirect latera side acting with 6PC doors
ii) Shaft structural openings (suggested) = F + 60 (mm)

DIMENSIONS OF GOODS / PASSENGER LIFTS INDIRECT TWIN RAM LATERAL SIDE ACTING (HADI 1:2) or TWIN RAM DIRECT LATERAL SIDE ACTING (HAD 1:1) 4-PANEL, 6-PANEL OR 8-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	SHAFT DEPTH (SD) TWO DOORS (open through)		
1500 (2375)	4,80	1700	2700	1400 4PC	2500	3100	3250	1200	3500
1600 (2525)	5,04	1800	2750	1400 4PC	2600	3150	3300	1200	3500
1800 (3025)	5,84	2000	2850	1400 4PC	2800	3250	3400	1200	3500
2000 (3525)	6,64	2250	2950	1400 4PC	3050	3350	3500	1200	3500
2500 (4775)	8,64	2550	3350	1400 4PC	3450	3750	3900	1250	3500
3000 (6025)	10,64	2950	3550	1800 4PC	3850	3950	4100	1250	3500
3200 (6525)	11,44	3100	3650	1800 4PC	4000	4050	4200	1250	3500
3500 (7275)	12,64	3300	3800	1800 4PC	4300	4200	4350	1500	3500
4000 (8525)	14,64	3550	4100	2000 6PC	4550	4550	4800	1800	3500
4500 (9775)	16,64	3800	4350	2000 6PC	4800	4800	5050	1800	3500
5000 (11025)	18,64	4000	4650	2100 6PC	5000	5100	5350	2000	3500
6000 (13525)	22,64	4400	5100	2200 8PC	5400	5650	6000	2000	3500
8000 (18525)	30,64	5000	6150	2300 8PC	6000	6700	7050	2200	3500
10000 (23525)	38,64	5500	7000	2400 8PC	6500	7550	7900	2200	3500

* 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 suggested maximum car overtravels at the utmost top lift level
b) 2150mm clear internal car height measured from floor to underside the car false ceiling O5

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 2000 or 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 goods / passenger lifts over 10.000kg rated load or cases of existing smaller pit depths and headrooms please contact our exports department.

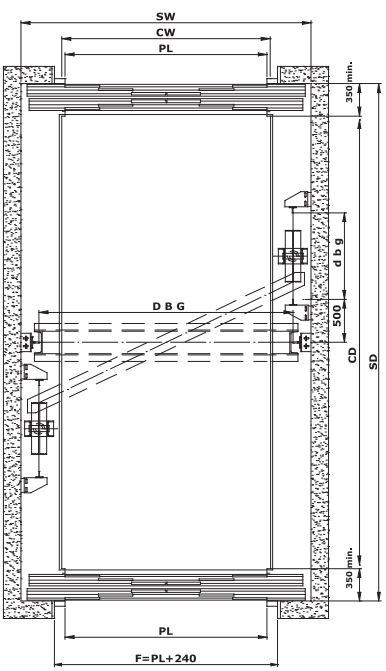
CAR LIFTS AutoLIFT

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	SHAFT DEPTH (SD) 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.



TWO AUTOMATIC 6PC DOORS (open through car)

FEATURES

- Protective bumper rails (elastic, wood, inox)
- Battery operated automatic emergency release procedure in case of power failure
- Two car operating panel (open through configurations)
- Overload detection
- 2 ways hands free permanent communication emergency telephone according to lift directive 95/16 EC
- Light fittings with fluorescent flush lighting (O10 ceiling)
- 3D or 2D infra-red light door detector
- Remote controls
- VVVF automatic doors
- Cabin and door robustness
- Speed up to 0,63 m/sec
- High accuracy leveling (option for electronic valve)
- Microprocessor controller according to lift directive 95/16 EC (SABP or collective control operation)
- Heavy duty types of door sill tracks chosen according to rated load

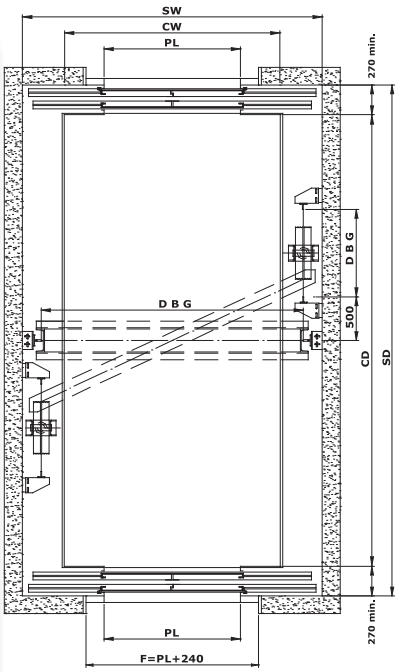
Notices: i) Shaft plan views shown are indicative of HADI 1:2 twin ram indirect lateral side acting
ii) Shaft structural openings (suggested) = F + 60 (mm)

BED LIFTS MediLIFT

BED LIFTS MediLIFT

FEATURES

- Protective bumper rails (elastic, wood, inox)
- Battery operated automatic emergency release procedure in case of power failure
- 3D or 2D infra-red light door detector
- Emergency car trap door
- Car preference operation (hospital service): key switch on COP causes the lift doors to remain open until a car call is registered. All landing calls by-passed, the lift is exclusively operated from the inside the car (ie. the COP). Removal of the car preference (or attendant) key switch on completion of the special operation returns the lift to normal control
- Overload detection
- 2 ways hands free permanent communication emergency telephone according to lift directive 95/16 EC
- Speed up to 0,63 m/sec
- High accuracy leveling (option for electronic valve)
- Microprocessor controller according to lift directive 95/16 EC (SABP or collective control operation)
- VVVF automatic doors



TWO AUTOMATIC 2PC 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)

DIMENSIONS OF BED LIFTS (HAI 1:2) or (HAS 1:1) FOR RATED LOAD UP TO 1600kg WITH 2-PANEL TELESCOPIC SIDE OPENING AUTOMATIC DOORS AND BED LIFTS (HADI 1:2) or (HAD 1:1) FOR RATED LOAD 2000kg - 2500kg WITH 2-PANEL CENTRAL OPENING AUTOMATIC DOORS

INTENDED USE	RATED LOAD (Kg)	MAX CAR AVAILABLE AREA ACCORDING To EN81-2 TABLE 1.1(m²)	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	SHAFT DEPTH (SD) TWO DOORS (open through)		
STRETCHER: 600 x 2000mm*	**1000**	2,40	1100	2100	900	1650	2500	2650	1100	3500
BED: 900 x 2000mm + 1 ATTENDANT*	**1275**	2,95	1200	2300	1100	1900	2700	2850	1300	3500
BED: 900 x 2000mm + 2 ATTENDANTS*	**1600**	3,56	1400	2400	1300	2200	2800	2950	1300	3500
BED: 1000 x 2300mm + 2 ATTENDANTS *	**2000**	4,20	1500	2700	1300	2800	3050	3150	1100	3500
BED: 1000 x 2300mm + 3 ATTENDANTS + additional instruments *	**2500**	5,00	1800	2700	1400	3000	3050	3150	1200	3500

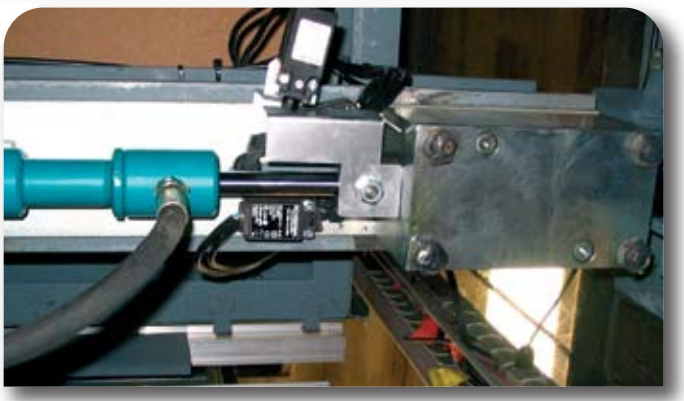
* Car suitable also for wheelchair not allowing its full manoevrability
** Tolerances +/-20mm
*** Values to comply with EN81-2 required manspace
**** Values underside shaft lifting beam to comply with EN81-2 required manspace, assuming:
a) 150mm suggested maximum car overtravels at the utmost top lift level
b) 2150mm clear internal car height measured from car floor to underside the car false ceiling O5

Special notices:
i) Clear internal door height 2000 or 2100mm.
ii) Minimum required pit depths for HAS & 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 ram).
iii) For cases of existing pit depths and headrooms smaller than the above stated please contact our exports department.

MAX SURFACE LIFTS
MegaSpace

The max surface lift **MegaSpace** of **Kleemann** is a goods/passenger traction lift where the cabin dimensions do not have to comply with the EN 81 - 1 standard with regard to the relation between cabin area and rated load. Thus the cabin area can be increased much further than dictated by the standard for every other traction lift. As a result, a much better utilization of the existing shaft is achieved while at the same time the output of the driving mechanism is minimized resulting in reduced power consumption.

Max surface lift **MegaSpace** is a fully certified product according to the strictest European norms and regulations and includes special features (such as pawl devices, special controller and other) that ensure optimum safety conditions during the operation of the lift.



PAWL DEVICE

The advantages of MegaSpace:

- Larger available cabin area for a given rated load.
- Cabin area up to 17.5m^2 for a rated laod equal to 3.500kg (According to EN 81-1, the maximum equivalent car area for a rated load of 3.500kg cannot exceed 6.60m^2, this restriction is not applicable to Megaspace, due to its special design).
- Absolute lift stability and safety during loading.
- Required technical characteristics (e.g. motor, guide rails, wire ropes, safety gear etc) that allow for lower costs & energy saving.
- Ideal for goods/passenger and car lifts regardless of travel.
- TÜV SÜD certified.
- KLEEMANN high quality guaranteed.

COMPLETE
WALLS / FLOORS / COPs - LOPs

COMPLETE
WALLS / FLOORS / COPs - LOPs

WALLS

SKINPLATES

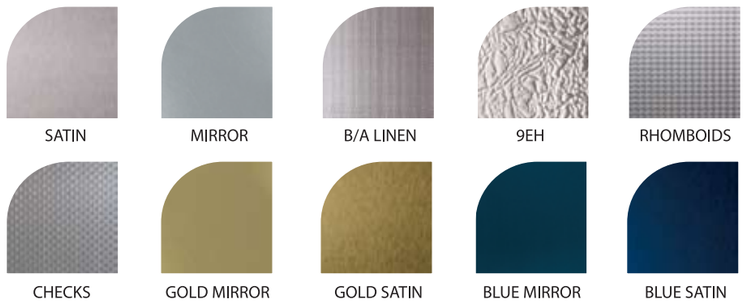
IDEAL FOR GOODS / PASSENGER LIFTS

HAMMERED COLORS

IDEAL FOR CAR LIFTS

RAL COLORS IN LARGE VARIETY

STAINLESS STEEL



IDEAL FOR BED LIFTS

FLOORS

CHECKER PLATES

ELASTIC TILES

LINOLEUM

IDEAL FOR BED LIFTS
due to its antibacterial properties

CAR AND LANDING OPERATING PANELS

KL4 FREIGHT ENG 02/10

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Your 1st Choice in Lifts

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