

KLEEMANN

Engineering



KLEEMANN™
Your 1st Choice in Lifts

KLEEMANN Engineering



KLEEMANN Solutions

MRL Solutions

Reduced Pit / Headroom Solutions Ideal for existing buildings

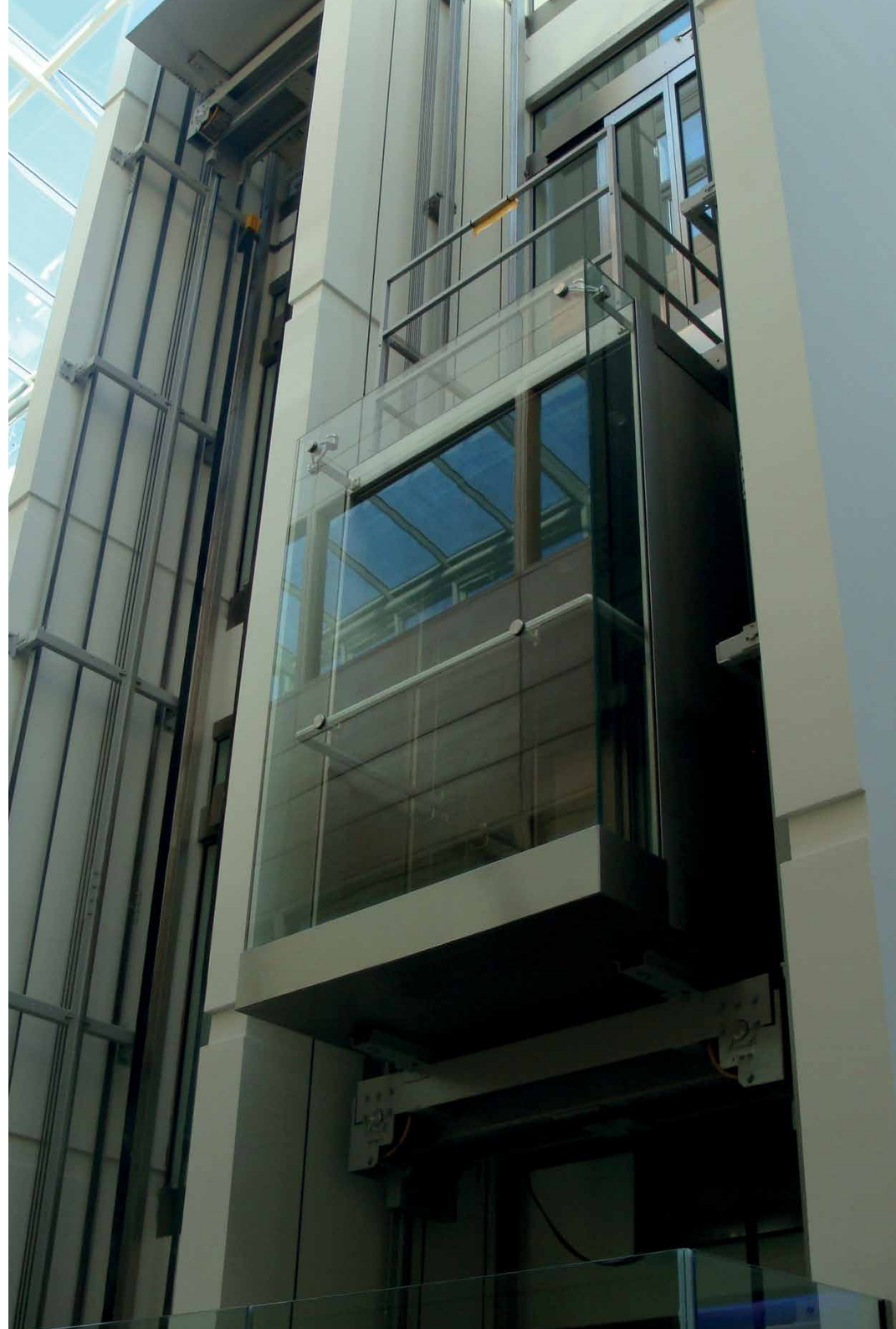
Special Solutions Unique / Fully Certified products



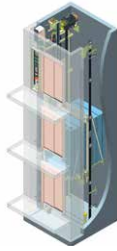
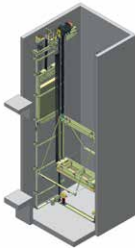
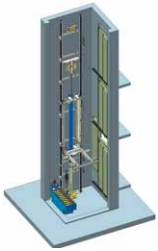

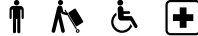



MR Solutions

Escalators & Moving Walks

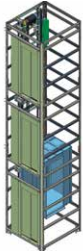













Parking Systems


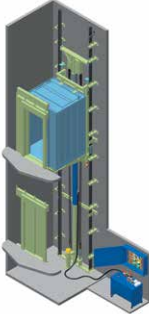
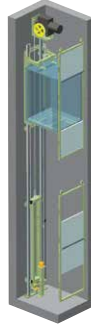
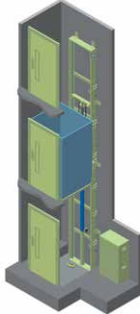




Stairlift Systems



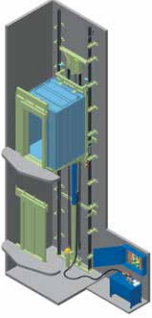





Category	MRL Solutions					
	Traction				Hydraulic	
Product Name	Atlas Basic	Atlas 2:1	Atlas Gigas	Atlas Super Gigas	FlexyLIFT MRL	
Product						
Use						
Advantages	Premium ride quality through state of the art technology				Premium ride quality	
	High energy efficiency				1550 mm wide shaft for 1100 mm wide car	
				Up to 5 tons	Insensitive to load & temperature	
	Optimum use of space within the shaft				High energy efficiency	
	Designed according to European Standards and Directives				Autoadjustment (iValve)	
					Electrical safety system on pit and headroom	
General Specs	Suspension	2:1	2:1	2:1	4:1	1:2
	Machine Room	MRL				
	Directives	Lifts (95/16/EC)				
Technical Specs*	Maximum Car Travel [m]	45	45	45	45	25 (375-450kg) / 22 (630kg) / 30 (1000kg)
	Maximum Number of Stops	16	16	16	16	10 (375-450kg) / 8 (630kg) / 11 (1000kg)
	Maximum Car Speed [m/s]	1.6	1.6	1.6	1.0	1.0
	Rated Load [range in kg]	375-1000	375-1000	1275-2500	3000-5000	450-1000
	Motor (Traction ONLY) Valve Block (Hydraulic ONLY)	Gearless VVVF				Electronic (iValve optional)
	Shaft Structure: Aluminium / Steel	Not available / Optional				Not available / Optional
	Pit depth [mm]	v≤1.0 m/s 1100 v>1.0 m/s 1250	v≤1.0 m/s 1100 v>1.6 m/s 1250	v≤1.0 m/s 1400 v>1.6 m/s 1600	1400	900-1000
	Clear Headroom [mm]	v≤1.0 m/s 3400 v>1.6 m/s 3600	v≤1.0 m/s 3400 v>1.6 m/s 3600	v≤1.0 m/s 3450 v>1.6 m/s 3600	3800	2600
Maximum Car Entrances	2	2	2	2	2	

Reduced Pit / Headroom Solutions Ideal for existing buildings

Traction				Hydraulic		
Maison T Basic	Atlas Mini	Atlas 2:1 - L	Atlas 2:1 RPH	MaisonLIFT Basic	MaisonLIFT Plus	FlexyLIFT MR
						
						
Premium ride quality through state of the art technology				Low noise & vibration		Premium ride quality (electronic valve)
High energy efficiency				Best value for money		Stylish car & shaft
Ideal solution for modernisation of older lifts or narrow shafts				Low pit and headroom		1550 mm wide shaft for 1100 mm wide car
Simple and economic solution for low travels		Up to 3 cabin doors installation (cantilever car frame)		Safety standards EN81.21		Electrical safety system on pit and headroom
Optimum use of space within the shaft				Safety standards EN81.41		Safety standards EN81.21
Designed according to European Standards and Directives				High energy efficiency		Autoadjustment (iValve)
				Many design options		Highly astheatics effect and adoption to the surroundings
2:1	2:1	2:1	2:1	2:1	1:2	1:2
MRL				MRL (with controller cabinet)		
Machinery (2006/42/EC)	Lifts (95/16/EC)			Machinery (2006/42/EC)		Lifts (95/16/EC)
15	30	45	45	15	15-17	25 (375-450kg) / 22 (630kg) / 30 (1000kg)
6	11	11	16	4	6-8	9 (375-450kg) / 8 (630kg) / 11 (1000kg)
0.15	1.0	1.6	1.0	0.15	0.5-0.52	1.0
180-450	180-450	300-1000	300-750	200-450	180-630	450-1000
Gearless VVVF				Mechanical valve		Electronic or mechanical valve
Optional /Optional				Optional / Optional		Not available / Optional
200	350	v≤1.0 m/s 1250 v>1.0 m/s 1350	370	80	200	350-400
2600	2950	v≤1.0 m/s 3450 v>1.0 m/s 3600	2900	2300	2600	2600
3	3	3	2	3	3	3

Category	Special Solutions Unique / Fully Certified products		Freight Solutions		
	Traction	Hydraulic	Traction	Hydraulic	
Product Name	Earthquake resistant	Earthquake resistant	Dumbwaiter	Compact	
Product					
Use					
Advantages	Innovation award winner. Patented		Ideal for malls & restaurants	Ideal for warehouses	
	Pre-earthquake evacuation		Low noise & vibrations		
	Maximum safety		High hygiene standards	Up to 2 tons(***)	
	Field tested		Safety standards EN81.3	Safety standards EN81.31	
	Optimal shaftspace usage				
	Designed according to European Standards and Directives				
General Specs	Roping	1:1 (max 1000kg) / 2:1	2:1	1:1	1:2
	Machine Room		MR (near the shaft)	MRL (with controller box)	
	Directives			Machinery (2006/42/EC)	
Technical Specs*	Car Travel [m] up to	45	21	35	11.5
	Number of Stops up to	16	8	8	4
	Up to Car Speed [m/s] up to	1.6	0.99	0.37	0.15
	Up to [range in kg] up to	450-1250	300-1000	150-200	300-1500
	Motor (Traction ONLY) Valve Block (Hydraulic ONLY)	Gearless or VVVF	Electronic	Geared AC1	Electrohydraulic
	Shaft Structure: Aluminium / Steel	Not available / Optional	Not available / Optional		
	Pit depth [mm]	1100-1200	1000	700	220-460
	Headroom [mm]	3450-3600	3500	1950	2200-2260
	Car Entrances up to	2	3	3	3

MR Solutions		
Traction		Hydraulic
HRS (High Rise-High Speed)	Traction MR	Hydro MR
		
		
Premium ride quality through state of the art technology		
Wide range of applications		
Optimum use of space within the shaft		
Designed according to European Standards and Directives		
2:1	1:1, 2:1, 4:1	1:1, 1:2
Above shaft	Up/Down	Near the shaft
Lifts (95/16/EC)	Lifts (95/16/EC)	Lifts (95/16/EC)
120	75	30
45	30	12
2.5 – 3 – 3.5	2	1
1000 - 1275 – 1600	180 – 8000	180 – 10000
Gearless VVVF	Geared VVVF or AC2 / Gearless VVVF	Electromechanical / electronic
Not available	Not available / Optional	Optional
1850	Min 1000	Min 1000
v=2.5 m/s 4200 v=3-3.5 m/s 4300	3450	3450
2	2	3

High Rise / High Speed Traction MR as well as Hydraulic MR solutions for up to 30 tons

4 weeks ex-Works Delivery for ALL KLEEMANN products (***)

Easy & fast installation

Fully customised solutions

(*) Maximum car travel, number of stops & car speed may exceed the respective figures. Contact us for further details.

(**) Special solutions & Atlas Super Gigas MRL excluded.

(***) Under conditions



Passengers



Good/Passengers
(light/medium)



Good/Passengers
(heavy)



Disabled persons



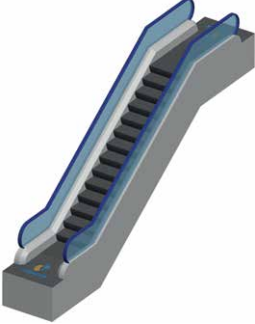
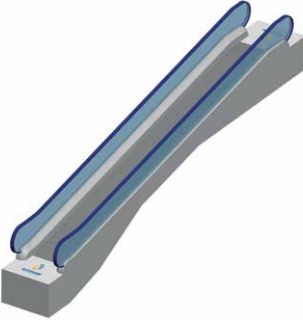


Bed Lift



Goods only



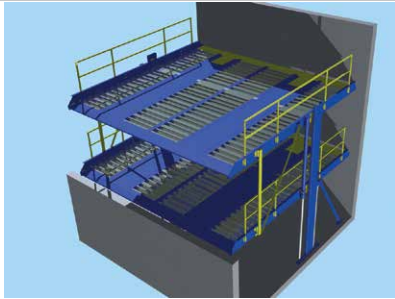



Car lift

Category		Escalators & Moving Walks			
Product Name		Escalators		Moving Walks	
Product					
Use					
Advantages		Longterm experience /installed units all over the world Readily available spare parts Fast Ex-Works delivery Robust construction of high standards			
General Specs	Type	Commercial	Heavy Duty	Commercial	Heavy Duty
	Installation	Indoor / Outdoor			
	Max. Workload [Hours Per Day]	16-20	20-24	16-20	20-24
	Max. Transportation Ability [Passengers/Hour] according to EN115: 2008 + A1: 2010	6000	7300	6000	6000
	Machine Room	MRL (Inside the frame)			
	Directive	EN 115-1:2008+A1:2010			
Technical Specs	Vertical Travel [m]	2 - 7,5	2 - 35	2 - 8	0 - 8
	Speed [m/s]	0.50	0.65	0.50	0.50
	Inclination [Degrees]	30 or 35	30 or 35	10 or 11 or 12	0-6 or 10 or 11 or 12
	Step/Pallet Width [mm]	600 or 800 or 1000	600 or 800 or 1000	800 or 1000	800 or 1000 or 1200* or 1400*
	Motor Type	AC1 or VVVF			*only for 0 ~ 6° inclination
Special Features	Connection with a Building Management System (BMS)	Optional			
	Firefighting System	Optional			
	Balustrade Material	Safety Glass or Stainless Steel		Safety Glass	Safety Glass or Stainless Steel
	Start/Stop By:	Photocell/Diffuse Sensors			
	Skirting/Balustrade Lighting	Optional			
	Galvanised Frame	Optional			
	Heating System	Optional			
	Claddings	Glass or St/St or Painted or Galvanised Steel Sheets			

Safe solutions
for demanding
applications



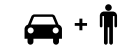
Passengers

Category		Parking Systems	
Product Name		KleemannPark KPS	KleemannPark KTS
Products			
Use			
Advantages		Best value for money	Excellent value for money
		Robust & Reliable	Small shaft dimensions
		High quality controller	
		Technical support on site	
		Premium ride quality and low noise operation	
		Long-lasting quality	
		Fully Certified / CE mark	
General Specs	Type	Mechanical car park system	Vehicle lifting system
	Installation	Indoor	
	Mechanism	Hydraulic	
	Number of Vehicles	2 or 4	1
	Machine room	Minimal space requirements	
	Directive	Machinery (2006/42/EC)	Machinery (2006/42/EC)
	Technical Specs	Rated Load [kg] up to	4000 (2 vehicles) / 8000 (4 vehicles)
Travel [m] up to		max 1,9	2 - 12 / 2 - 10
Speed [m/s] up to		0.05	0,15 / 0,13
Pit Depth [mm]		1750 / 1900 / 2000	400 / 500
Headroom [mm]		3250 / 3400 / 3500	2400 - 2700
Special Features		Valve Block	Electro-hydraulic
	Operation Mode	Hold to run operation	Automatic (outside call) / Hold to run operation (platform)
	Doors	Not available	Roller shutters with pressure detect sensors
	Floor	Galvanised steel sheets	Nonskid RAL painted steel sheets
	Safety sensors	Hold to run	Hold to run / Light Curtains (2 pcs)
	Motion Overload	Standard	
	Remote control	Not available	Standard outside calls only






The ideal solutions for maximum utilisation of parking spaces



Vehicles



Vehicles with Passengers

Category		Stairlift Systems						
Product name		FreeSTAIR (with seat)			FreeSTAIR (with platform)			
Product								
Use								
Advantages		German and Italian quality - Robust product					Kleemann quality	
		Reliable & Secure operation						
		Manufacture according to the staircase					Minimum space requirements	
		Fully certified product with EC Type Examination Certificate						
General Specs	Type	Freestair seat	Freestair T80	Freestair T100	Freestair V65	Freestair V64	VERTIPLAT	
	Ideal for	Disabled persons / Elderly people	Disabled persons					
	Installation	Indoor or Outdoor						
	Staircase Type	Straight / Circular	Straight / Circular	Only straight	Straight/ Circular	Only straight	Not available	
	Machine room	Machine Roomless (MRL)					Required	
	Directive	Machinery (2006/42/EC)						
	Technical Specs	Rated Load [kg]	130	300	300	250	250	300
Inclination [degrees]		0-70	0-60	15-45	0-50	7-50	0	
Travel [levels or meters]		4 levels	4 levels	30 m	20m	20m	max 7m	
Speed [m/s]		max 0,1	max 0,15	max 0,08	max 0.10	max 0.10	max 0,10	
Operation principle		Rack and pinnion system	Special chain system with rollers	Rack and pinion	Rack and pinion	Rack and pinion	Hydraulic 2:1	
Special Features	Power Supply		Single phase (Rechargeable battery)					
	Operation		Hold to run buttons					
	Security Systems	User	Seat security belt	Protection bars / Ramps			Semi automatic doors with locking device	
		Movement	Hold to run button / Emergency Stop button					
	Platforms surface		---	Anti-slip floor				
	Extra		Fall back chair	Automatic back folding of the platform			With or without pit (Only 120mm)	
	Additional equipment		Remote Control				Moveable surface under the platform with sensors	

Freedom to move!



Disabled persons

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