



**KLEEMANN**

Engineering



**KLEEMANN™**  
Your 1<sup>st</sup> Choice in Lifts

**KLEEMANN** Engineering





## **KLEEMANN Solutions**

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MRL Solutions

Reduced Pit / Headroom Solutions Ideal for existing buildings

Special Solutions Unique / Fully Certified products

MR Solutions

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Escalators & Moving Walks





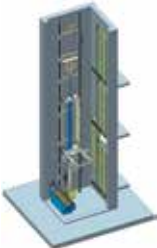





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Parking Systems







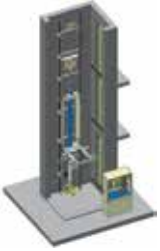







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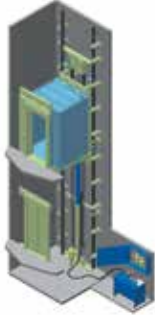

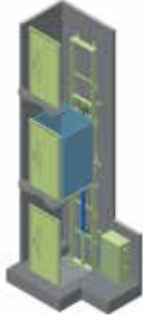




Stairlift Systems



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=1.6 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	Safety standards EN81.41	Safety standards EN81.21	Electrical safety system on pit and headroom
Optimum use of space within the shaft				High energy efficiency		Autoadjustment (iValve)
Designed according to European Standards and Directives				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	1.0
180-450	180-450	300-1000	300-1000	200-450	180-630	375-1000
Gearless VVVF				Mechanical valve	Electronic or mechanical valve	Electronic 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	1	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 Geared 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	Gearless 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

For greater travel and rated load please contact technical department



Passengers



Good/Passengers  
(light/medium)



Good/Passengers  
(heavy)



Disabled persons



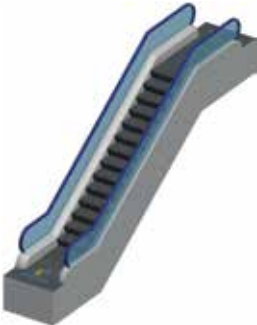
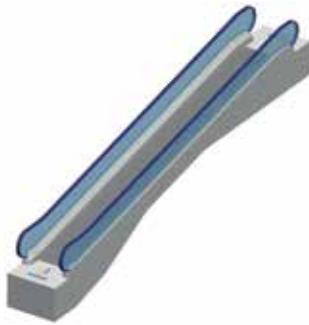


Bed Lift



Goods only



Car lift

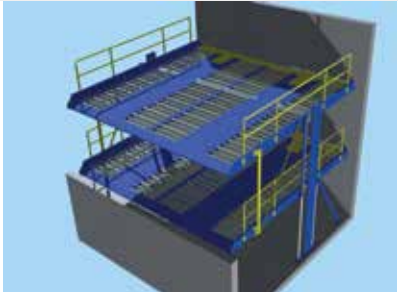



Category		Escalators & Moving Walks			
Product Name		Escalators		Moving Walks	
Product					
Use					
Advantages		Longterm experience /installed units all over the world			
		Readily available spare parts			
		Fast Ex-Works delivery			
		Robust construction of high standards			
General Specs	Type	Commercial	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

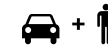


Category		Parking Systems	
Product Name		KleemannPark KPS	KleemannPark KTS
Products			
Use			
Advantages		Best value for money	Excellent value for money
		Robust & Reliable	Small shaft dimensions
		High quality controller	
		Technical support on site	
		Premium ride quality and low noise operation	
		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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