KLEEMANN Engineering

Category			Parking Systems						
Product Name			KleemannPark KPS	KleemannPark KTS					
Product									
Use			=	← + †					
Advantages			Best value for money	Excellent value for money					
			Robust & Reliable	Small shaft dimensions					
			Premium technical support	Operation with attendant					
			Fully Certified / CE mark						
General Specs	Туре		Mechanical car park system	Vehicle lifting system					
	Installation		Indoor	•					
	Mechanism		Hydraulic						
	Number of Vehicles		2 or 4	1					
	Machine room		Minimal space requirements						
	Standard		EN 14010	Machinery Directive (2006 / 42)					
Technical Specs	Rated Load [kg]		4000 (2 vehicles) 8000 (4 vehicles)	2200 / 3000					
	Travel [m]		max 1.9	2 - 12 / 2-10					
	Speed [m/sn]		0.05	0.15 / 0.13					
	Pit Debth [mm]		1750 / 1900 / 2000	400 / 500					
	Headroom [mm]		3250 / 3400 / 3500	2400 - 2700					
Special	Valve Block		Electro-hydraulic	<u> </u>					
Features	Operation Mode		Constant pressure button (Hold to run)	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	Motion	Hold to run	Hold to run / Light Curtains (2pcs)					
	-	Overload	Standard						
	Remote control		Not available	Standard outside calls only					

The ideal solutions for maximum utilisation of parking spaces







KLEEMANN Engineering

Category			STAIRLIFT SYSTEMS							
Product name			FreeSTAIR	orm)						
Product			(with seat)							
						TO P				
Jse					(<u> </u>				
Advantages			German quality - Robust p	Kleemann quality						
				Reliable & Secure operation						
			Manufacture according to	Minimum space requirements						
			Fully certified product							
General Specs	Туре		Freestair seat	Freestair T80	Freestair T100	Scissor Platform	VERTPLAT			
	Ideal for		Disabled persons / Elderly people	Disabled pe	ersons	•	•			
	Installation		Indoor or Outdoor							
	Staircase Type		Straight / Circular	Straight / Circular	Only straight	Not available				
	Machine room		Machine Roomless (MRL)	•	Required					
	Standard		Type Examination Certifica		Decleration of conformity - CE label					
Technical	Rated Load [kg]		130	300	300	250	300			
Specs	Inclination [degrees]		0-70	0-60	15-45	0	0			
	Travel [levels or meters]		4 levels	4 levels	30 m	0,9 m	max 3 m			
	Speed [m/s]		max 0,1	max 0,15	max 0,08	max 0,027	max 0,10			
	Operation principle		Rack and pinnion system	Special chain system with rollers	Rack and pinion	Scissor lift with worm-screw	Hydraulic 2:1			
Special	Power Supply		Single phase (Rechargable	e battery)	Single phase					
Features	Operation		Hold to run buttons							
	Security User Systems Movement		Seat security belt	Semi automatic door with locking device						
			Hold to run button / Emer							
	Platforms surface		-	Anti-slip floor						
	Extra		Fall back chair	Automatic I of the platf	back folding orm	Automatic ramp - Without pit	With or without pit (Only 80mm)			
	Additional equip	oment	Remote Control	Moveable surface under the platform with sensors						



Freedom to move!

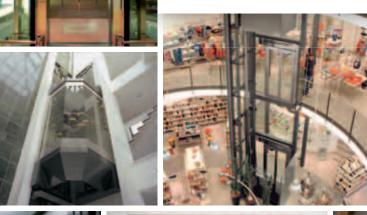




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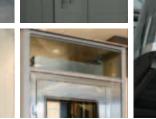


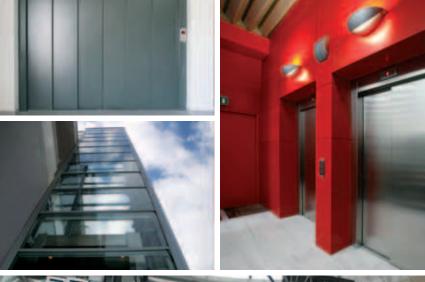
















KLEEMANN Engineering

Category		MRL Solutions					Reduced Pit / Headroom Solutions Ideal for existing buildings					Special Solutions Unique Fully certified products			Freight Solution		
		Traction			Hydraulic	Traction		Hydraulic		Traction		Hydraulic	Traction	Hydraulic			
Product Name		Atlas 1:1	Atlas 2:1	Atlas Gigas	Atlas Super Gigas	FlexyLIFT MRL	Atlas Mini	Atlas 2:1 - L	Atlas 2:1 RPH	MaisonL I FT Basic	MaisonLIFT Plus	FlexyLIFT MR	MegaSpace	Earthquake Resistant	Earthquake Resistant	Dumbwaiter	Compact
Product		2										THE PARTY OF THE P			- NEW - 11		
Use		† ↑	† / ↑			† / ↑	† / ↑	† / ↑	† / ↑	Ť	Ť	† *	†	† *	† / ↑	0 0	0 0
Advantages		Premium ride qua through state of t	lity he art technology			Premium ride quality (electr.valve)	Premium ride qual through state of th	lity he art technology	Premium ride quality	Low noise & vibration	Premioum ride quality (electr. valve)	Premioum ride quality (electr. valve)	Max. area / load ratio	Innovation award v Patented	vinner.	Ideal for malls & restaurants	Ideal for warehouse
		High energy efficie (especially for hig	ency h-rise buildings)			1550mm wide shaft for 1100mm wide car	High energy efficie (especially for high	ency n-rise buildings)	High energy efficiency	Best value for money	Stylish car & shaft	1550 mm wide shaft for 1100 mm wide car	Excellent value for money	Pre-earthquake ev	acuation (****)	Low noise & vibrations	
		Up to 5 tons		Insensitive to load & temperature	Ideal solution for modernisation of older lifts or narrow shafts.		PD: 370mm H:2900mm	PD: 80mm H:2300mm	PD: 200mm /180mm H: 2450mm	/180mm H:2600mm		Maximum safety		High hygiene standards	Up to 2 tons(****)		
		No exquisite materials (e.g. belts etc) used			High energy efficiency	Up to 3 cabin doors installation (cantilever car frame) Sa		Safety standards EN81.1+A3 EN81.21	Safety standards EN81.41	Safety standards EN81.21	afety Safety tandards standards N81.21 EN81.21		Fieldtested		Safety standards EN81.3	Safety standards EN81.31	
General Specs	Suspension	1:1	2:1	2:1	4:1	1:2	2:1	2:1	2:1	1:2	1:2	1:2	2:1 (max 2500 kg) 4:1	1:1 (max 1000 kg) 2:1	1:2	1:1	1:2
	Machine Room	MRL					MRL			MRL (with controller cabinet)			MR (above) MR (anywhere near the shaft)		MRL (with controller cabinet)		
	Directive: Lifts (95/16) or Machinery (2006/42)	Lifts (95/16)					Lifts (95/16)		Machinery (2006/42)	Machinery (2006/42) Lifts (95/16)				Machinery (2006/42)			
Technical Specs*	Maximum Car Travel [m]	70	45	45	45	25 (450 Kg) 22 (630 Kg) 30 (1000 Kg)	45	45	45	15	15	25 (450 Kg) 22 (630 Kg) 30 (1000 Kg)	45	45	30	35	11.5
	Maximum Number of Stops	24	16	16	16	10 (450 Kg) 8 (630 Kg) 11 (1000 Kg)	16	16	16	4	6	9 (450 Kg) 8 (630 Kg) 11 (1000 Kg)	16	16	11	8	4
	Maximum Car Speed [m/s]	1.6	1.6	1.6	1.0	1.0	1.0	1.6	1.0	0.15	0.52	1.0	1.0 (max 2500 kg) 0.80	1.6	0.99	0.32 (0.25 or 0.48 upon request)	0.15
	Rated Load [range in kg]	375 - 1050	375 - 1000	1275 - 2500	3000 - 4500	450 -1000	450	400 - 1000	300 - 630	200 - 450	180 - 630	450 - 1000	1000 - 3500	450 - 1250	300 - 1000	50 - 200	200 - 2000
	Motor (Traction only) Valve Block (Hydraulic only)	Gearless VVVF			Electronic	Gearless VVVF		Electrohydraulic	Electronic or Electrohydraulic	Electronic	Geared or Gearless VVF	Geared or Gearless AC2 or VVVF	Electronic or Electrohydraulic	GearedAC1	Electrohydraulic		
	Shaft Structure: Aluminium / Steel	Not available / Optional				Not available / Optional	Not available / Optional		Optional / Not available / Optional Optional		Not available / Optional Not available / Optional						
	Pit depth [mm]	1300	1200 (max u =1.0 mps) 1300	1200 (max u =1.0 mps) 1350	1400	900 (max 630 kg) 1000	350	1300 (max u =1.0 mps) 1400	370	80	200 (450 Kg) 180 (for 525 & 630 Kg)	350 (max 630 Kg) 400	1000 (max1000 Kg) 1400	1100 (max u =1.0 mps) 1200	1000	700	220 - 450
	Clear Headroom [mm]	3600 (max u =1.0 mps) 3700	3450	3450 (max u =1.0 mps) 3600 (**)	3800	2600	3000	3600 (max u =1.0 mps) 3750 (u >1 mps)	2900	2300	2450	2600	3600 (max 1000 Kg) 3800	3450 (max u =1.0 mps) 3600	3500	1950	2200 - 2260
	Maximum Car Entrances	3	2	2	2	3	3	3	2	3	3	3	2	2	3	3	3

Also, high-rise / high-speed traction solutions and hydraulic solutions for up to 30 tons

4 weeks ex-works delivery for all KLEEMANN products *** Easy and fast installation

Fully customised solutions

















KLEEMANN Engineering

Category		Escalators & Moving Walks								
Product Name		E	scalators	Movin	Moving Walks					
Product										
Use			ń		İ					
Advantages		Longterm experience	Longterm experience /Installed units all over the world							
		Readily available spa								
		Fast ex-works delivery								
		Robust construction of high standards								
General Specs	Туре	Commercial	Heavy Duty	Commercial	Heavy Duty					
	Installation	Indoor / Outdoor	I		1					
	Max. Workload [hours per day]	16 - 20	20 - 24	16 - 20	20 - 24					
	Transportation ability [passenger / hour]	6000	7300	6000	6000					
	Machine Room	MRL (inside the frame)								
	Standard	EN 115								
Technical Specs	Maximum vertical travel [m]	2 - 7.5	2 - 35	2-8	0-8					
	Speed [m/sn]	0.50	0.65	0,50	0,50					
	Inclination [degrees]	30 or 35 degrees	30 or 35 degrees	10 or 11 or 12 degrees	0-6 or 10 or 11 or 12 degree					
	Pallet width [mm]	600 / 800 / 1000	600 / 800 / 1000	800 /1000	800 /1000 /1200 /1400					
	Motor type	AC1 or VVVF								
Special Features	Connection with building management system (BMS)	Optional								
	Firefighting system	Optional								
	Balustrade material	Safety glass	Safety glass / Stainless Steel	Safety glass	Safety glass / Stainless Steel					
	Start / Stop by:	Photocell / Contact mats / Diffuse sensors								
	LED Lighting	Optional								
	Galvanised frame	Optional								
	Claddings	Class or St/St or Pain	ted or Galvanised Steel She	alle						

Safe solutions for demanding buildings



Passengers



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

^{**} According to EN81.1. Also available with reduced headroom [3000 (max u=1.0 mps) / 3200 mm]. Contact us for futher details.

^{***} Special solutions & Atlas Super Gigas MRL excluded.

^{****} Under conditions