

## KLEEMANN SOLUTIONS

### COMPLETE LIFT SYSTEMS

Machine Room Hydraulic/Traction Systems  
Machine Room Less Hydraulic/Traction Systems  
MaisonLIFT PLUS  
MaisonLIFT BASIC, according to machine directive  
Earthquake Resistant Lift  
Compact, Dumbwaiter

### LIFT ASSEMBLIES

**Cabins**  
Passenger Cabins  
Freight/Goods Cabins  
Firefighting Cabins  
Panoramic Cabins

**Doors**  
Automatic Doors with VVVF Operator  
Folding Doors  
Semi-automatic Landing Doors  
Circular Doors  
Modernization Doors

**Electronics**  
Controllers  
Car & Landing Operating Panels  
Pre-wiring

**Hydraulic Elevation Systems**  
Piston & Cylinder Assembly  
Power Units  
Car Frames  
Guide Rails  
Wire Ropes  
Hydraulic Oil

**Traction Elevation Systems**  
Traction Machines  
Car Slings  
Counterweight Slings  
Governors  
Guide Rails  
Wire Ropes

### COMPLETE ELEVATION SYSTEMS

KleemannPark  
Parking and Car Lifting Systems  
Freestair  
Chair or Platform Stair Lifting Systems  
Escalators and Moving Walks

### SHAFT STRUCTURES

Steel  
Aluminium

# Atlas MRL

Traction Gearless MRL Lift

KL7ATLASMRLNG0911

Atlas MRL

ATLAS MRL is the ideal traction Machine Roomless (MRL) solution for rated loads up to 5000 kg. It is equipped with a premium quality gearless motor and a state of the art inverter that lead to an outstanding ride quality, eliminate noise and achieve very low energy consumption. Furthermore, all lift components are cleverly designed to achieve efficient use of space inside the shaft as well as ease of installation and maintenance.

Advantages

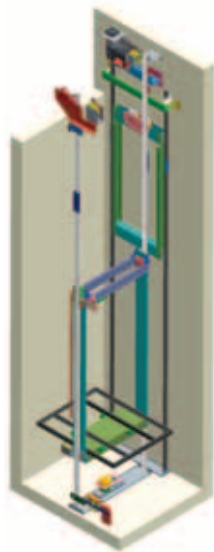
- Wide range of application (from 180 kg / 2 persons up to 5000 kg / 66 persons)
- Premium ride quality through state of the art technology
- High energy efficiency (especially for high-rise buildings)
- Ease of installation
- Minimal requirements for pit and headroom dimensions (Atlas 2:1 RPH)
- Type Examination Certificate according to Directive 95/16EC and in compliance with EN81.1/A2, prEN 81.A3 and EN 81.21



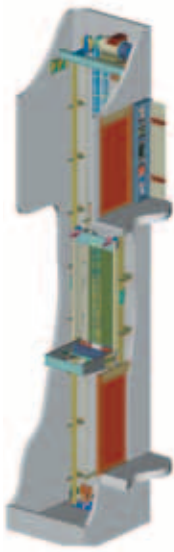
Atlas Mini



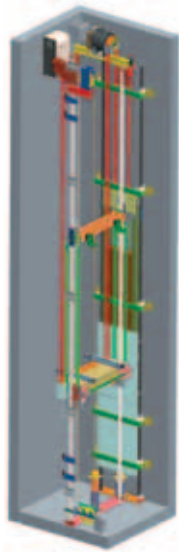
Atlas 2:1 - L



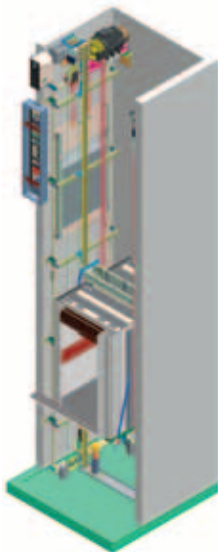
Atlas 2:1 RPH



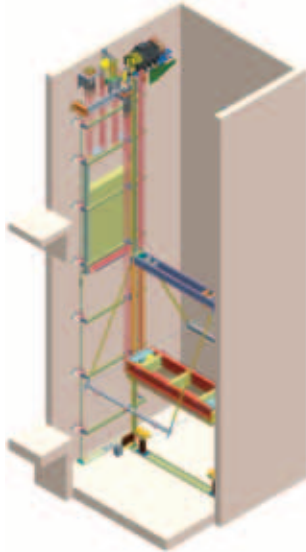
Atlas 1:1



Atlas 2:1 Atlas Basic



Atlas Gigas



Atlas Super Gigas

Technical Specifications

Range of use	Atlas Mini																				
			Atlas 2:1 & 1:1		Atlas 2:1 - L																
				Atlas 2:1 RPH																	
	Atlas Basic								Atlas Gigas					Atlas Super Gigas							
Rated Load (Kg)	180	225	300	375 <sup>(6)</sup>	450	630	750	1000 <sup>(2)(4)(6)</sup> / 1050 <sup>(1)</sup>	1275	1600	1800	2000	2500	3000	3500	4000	4500	5000			
Persons	2	3	4	5	6	8	10	13 <sup>(2)(4)</sup> / 14 <sup>(1)</sup>	17	21	24	26	33	40	46	53	60	66			
Roping	1:1 <sup>(1)</sup> or 2:1 <sup>(2)(3)(4)(5)(6)</sup>								2:1					4:1							
Max Travel (m)*	30 <sup>(4)</sup> 45 <sup>(2)(3)(5)(6)</sup> 70 <sup>(1)</sup>								45					45							
Max Number of Stops*	11 <sup>(4)</sup> 16 <sup>(2)(3)(5)(6)</sup> 24 <sup>(1)</sup>								16					16							
Max Speed (m/sec)*	1.6 <sup>(1)(2)(6)</sup> 1.0 <sup>(3)(4)(5)</sup>								1.6					1.0							
Min Pit Depth (mm)	370 <sup>(3)(5)</sup> 1200 <sup>(2)(4)</sup> 1300 <sup>(1)(6)</sup>								1200					1400							
Min Headroom (mm)	2900 <sup>(3)(5)</sup> 3450 <sup>(2)(4)</sup> 3600 <sup>(1)(6)</sup>								3450					3800							
Cabin Guide Rails	T75 x 62 x 10 <sup>(2)(3)(4)(5)</sup> T89 x 62 x 16 <sup>(1)(6)</sup>						T125 x 82 x 16 <sup>(1)(6)</sup> T89 x 62 x 16 <sup>(2)(3)(4)</sup> T90 x 75 x 16 <sup>(1)(6)</sup>		T125 x 82 x 16					T125 x 82 x 16							
Counterweight Guide Rails	T50 x 50 x 5								T75 x 62 x 10 or T89 x 62 x 16					T75 x 62 x 10 or T89 x 62 x 16							
Vertical Distance Between Guide Brackets (vDBG) (mm)	1250mm (T90 x 75 x 16 / T50 x 50 x 5) <sup>(6)</sup> 1500mm (T89 x 62 x 16 / T50 x 50 x 5) <sup>(6)</sup> 1500mm (T125 x 82 x 16 / T50 x 50 x 5) <sup>(6)</sup>							1500 <sup>(1)(5)</sup> 2000 <sup>(2)(3)(4)</sup>	2000					2000							
Number and Diameter of Ropes	12 x Ø4 <sup>(3)</sup> 6 x Ø6.5 <sup>(2)(4)(5)(6)</sup> 6 x Ø8 <sup>(1)</sup>							8 x Ø6.5 <sup>(2)(3)(4)(6)</sup> 10 x Ø8 <sup>(1)</sup>	6 x Ø10	7 x Ø10		8 x Ø10		8 x Ø10		10 x Ø10					
Max Number of Cabin Doors	2 <sup>(2)(3)(4)</sup> 3 <sup>(1)(5)(6)</sup>								2					2							
Motor Type	Gearless, VVVF, Permanent Magnet, Closed Loop with Inverter <sup>(1)(2)(3)(4)(5)(6)</sup>								Gearless, VVVF, Permanent Magnet, Closed Loop with Inverter <sup>(1)(2)(3)(4)(5)(6)</sup>												

<sup>(1)</sup> Atlas 1:1    <sup>(2)</sup> Atlas 2:1    <sup>(3)</sup> Atlas 2:1 RPH    <sup>(4)</sup> Atlas Basic    <sup>(5)</sup> Atlas Mini    <sup>(6)</sup> Atlas L  
\* Maximum car travel, number of stops & car speed may exceed the respective figures. Contact us for further details.