

# ATLAS mini

## PLANNING DATA

### Technical specifications

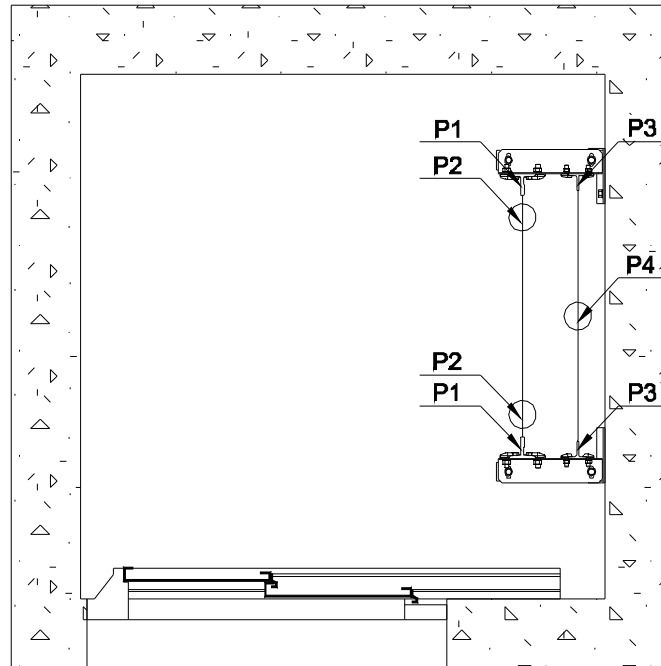
<b>Rated Load (Kg)</b>	<b>180 έως 450</b>
<b>Number of Passengers</b>	2 έως 6
<b>Suspension</b>	2:1
<b>max Travel (m)</b>	30
<b>Number of Stops</b>	11
<b>max Car Speed (m/sec)</b>	1.0
<b>min Pit Height (mm) *</b>	350
<b>min Headroom Height (mm) *</b>	2950
<b>Car Sling Weight (Kg)</b>	~ 136
<b>max Empty Car Weight P (Kg) (Sling + Cabin + Car Door)</b>	630
<b>Car Guide Rails / Cwt Guide Rails</b>	T75x62x10 / T50x50x5
<b>max Vertical Distance between Brackets (mm)</b>	1500
<b>Wire Ropes</b>	DRAKO 250T Ø6,5
<b>Number of Wire Ropes</b>	6
<b>Machine Type</b>	ZIEHL-ABEGG <b>SM160</b>
<b>Current (Nominal) (A)</b>	9
<b>Power (kW)</b>	3.3
<b>Car DBG (mm)</b>	700 / 800 / 900
<b>Cwt dbg (mm)</b>	724 / 824 / 924

### Traction Gearless Lift certified according to 95/16/EC Lift Directive

- Under certain circumstances (with the use of safety measures for low pit and/or headroom).  
Contact KLEEMANN Export Sales department for further details

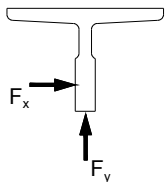
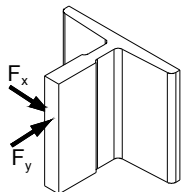
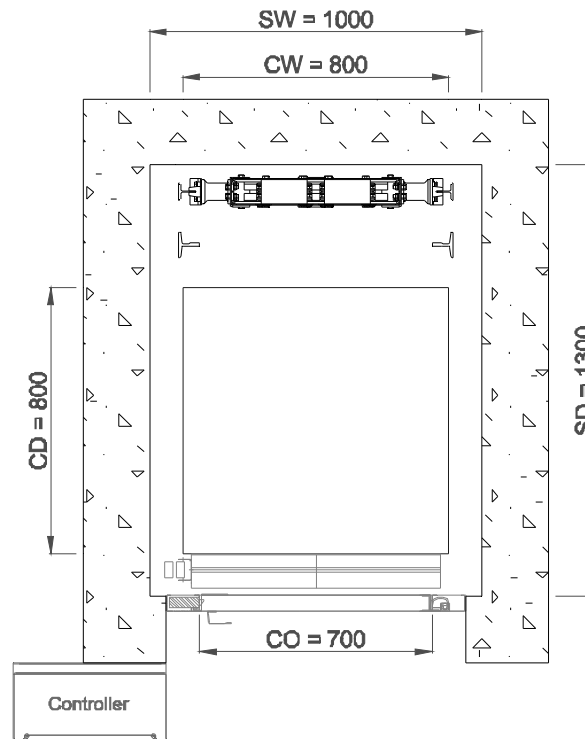
## FORCES ON SHAFT

### Forces on pit floor



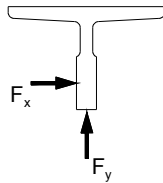
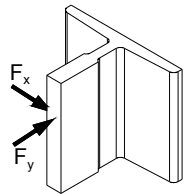
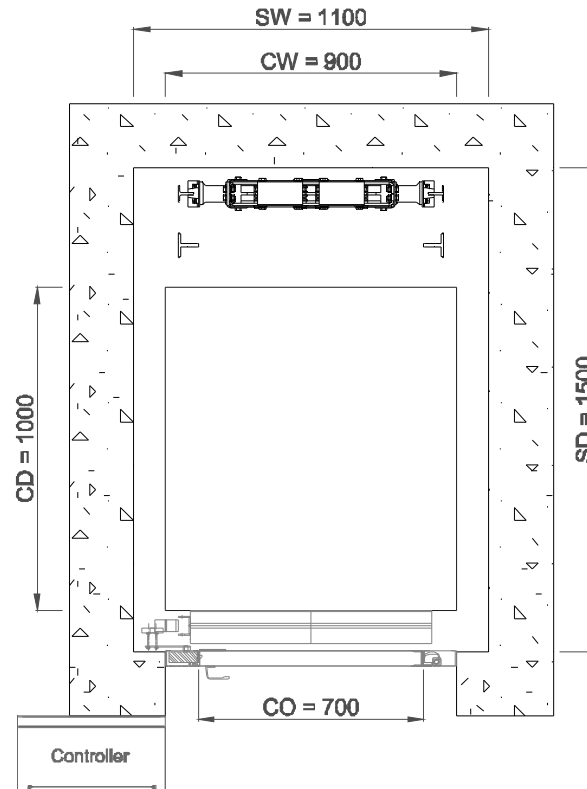
Rated Load [kg]	180	225	320	375	450
P1 [kN]	16.2	17.5	18.8	20.6	22.1
P2 [kN]	15.6	17.1	18.6	20.1	21.6
P3 [kN]	8.5	9.1	9.6	10.2	10.8
P4 [kN]	28.2	29.7	31.2	32.7	34.2

**ATLAS mini (225 kg / 3 Passengers / Available car area 800x800)  
Semi - Automatic Door**



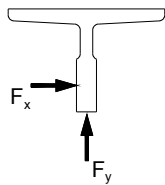
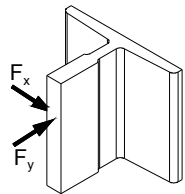
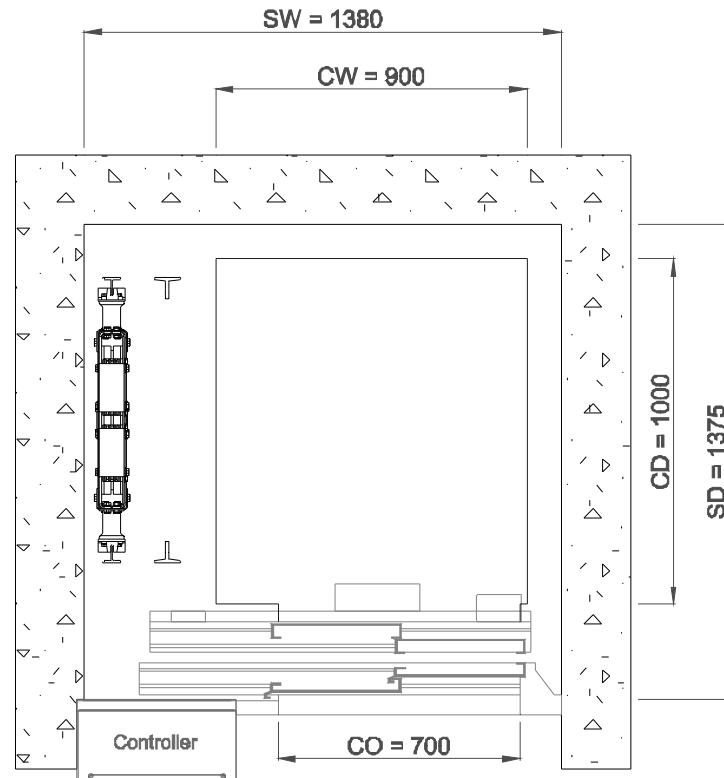
$F_x$	2527 N
$F_y$	200 N

**ATLAS mini (320 kg / 4 Passengers / Available car area 900x1000)**  
**Semi - Automatic Door**



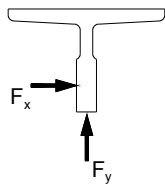
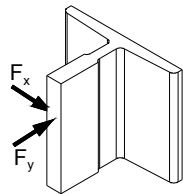
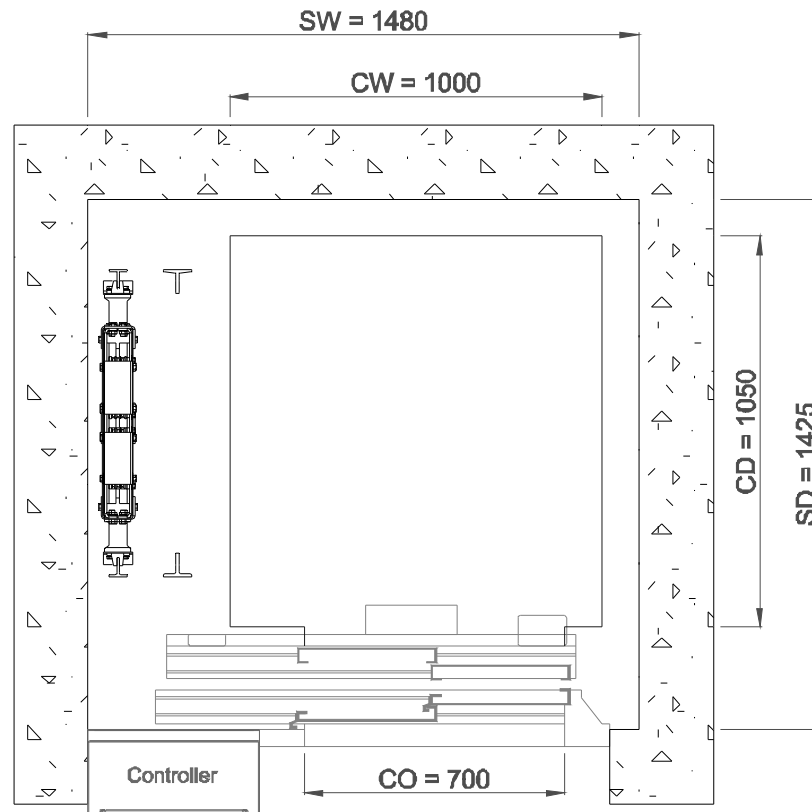
$F_x$	2780 N
$F_y$	300 N

**ATLAS mini (320 kg / 4 Passengers / Available car area 900x1000)  
Side-opening Door**



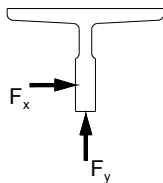
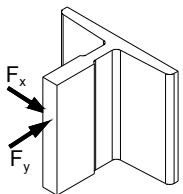
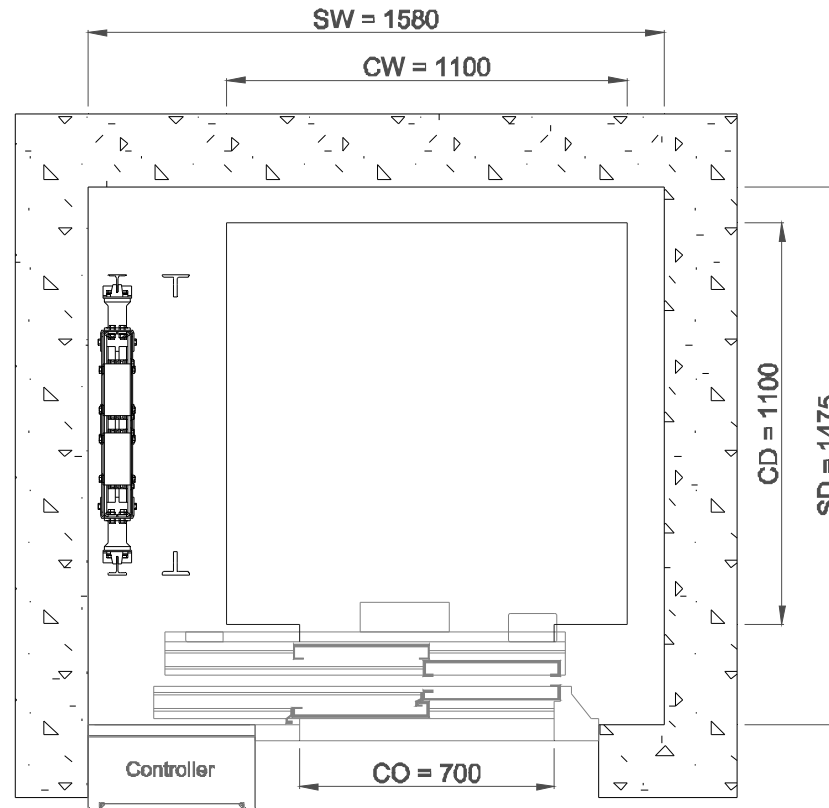
$F_x$	2556 N
$F_y$	334 N

**ATLAS mini (375 kg / 5 Passengers / Available car area 1000x1050)  
Side-opening Door**



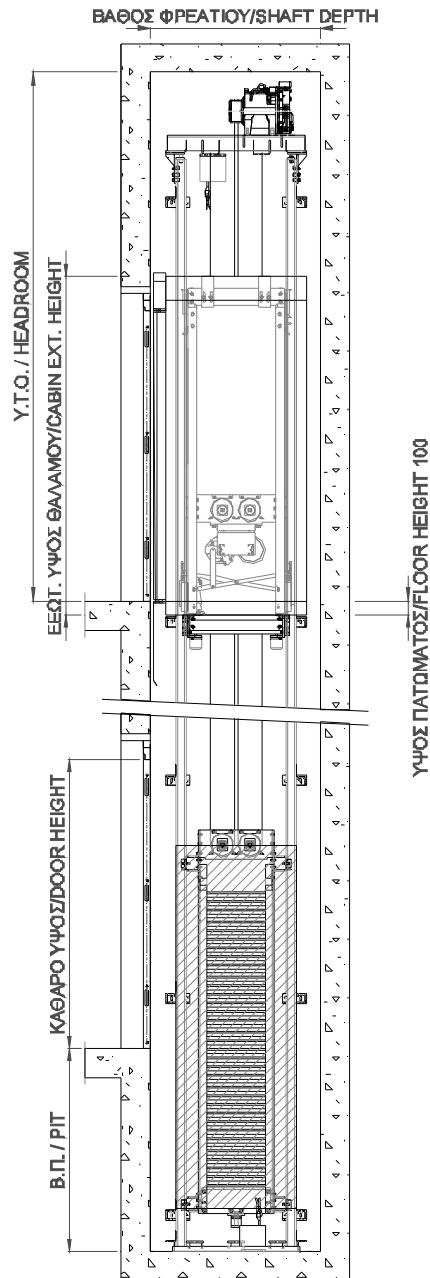
$F_x$	3032 N
$F_y$	460 N

**ATLAS mini (450kg / 6 Passengers / Available car area 1100x1100)  
Side-opening Door**



$F_x$	3285 N
$F_y$	577 N





Side frame height h [mm]	max. External Cabin Height = h - 60 [mm]	Pit Height [mm] (min. 350mm)	Headroom Height (min. 2950mm)
2400	2340	Floor Height + 285	h + 550
2490	2430		
2550	2490		