

***Movimenti in Sicurezza***

*Movements in sureness*



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**SYSTEMS FOR THE FUTURE**

**MRL  
ELEVATORS**

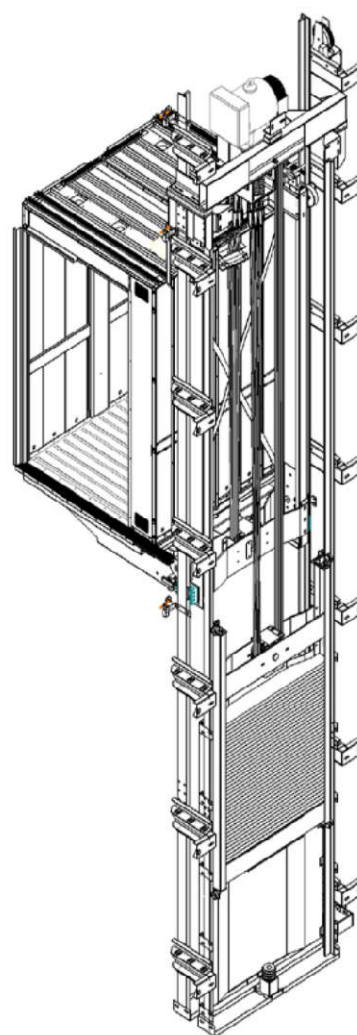
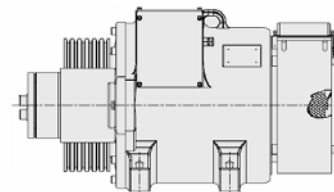


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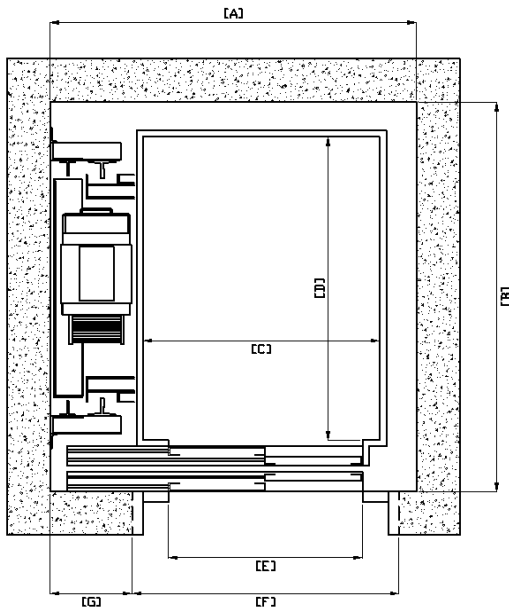


The Paravia **MONOFIT** is a standard elevator with pre-engineered layout solutions. **MONOFIT** is aimed at residential buildings and general purpose buildings (offices or small hotels) for domestic and export markets.

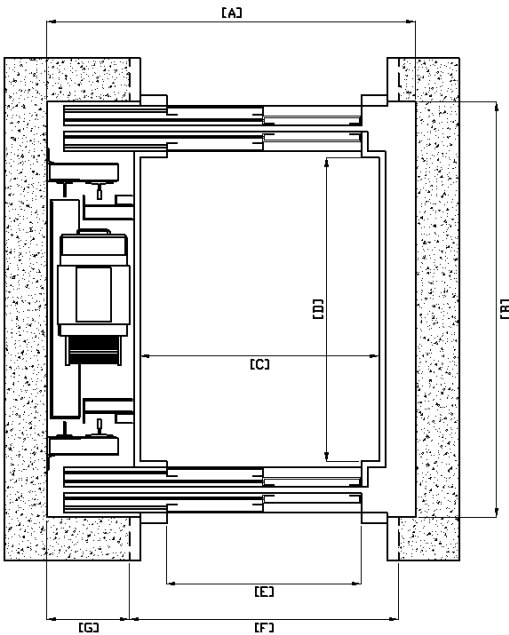
NORM	EN81-1	
Drive Technology	GEARLESS	
Rated Load [kg]	400, 480, 630, 1000, 1600	
Rated Speed [m/s]	1.0 (400-1600 kg) 1.6 (400-1600 kg)	
Max. Travel [m]	50	
Headroom / Pit [m]	3800 / 1500 (1.0 m/s) 4000 / 1800 (1.6 m/s)	
Max number of floors	16 (1.0 m/s, 1.6 m) for triplex	
Location of machine	Shaft top	
Max. duty cycle [starts/h]	180/ED40%	
Door type	Side/Center opening	
Door Width [mm]	Side Opening	750 ÷ 900
	Center opening	1100 ÷ 1300
Door Height [mm]	2000 ÷ 2400	
Max. sill load [kg]	400	
Car internal height[mm]	2200 ÷ 2400	
Min. interfloor distance between floors on same side [mm]	2550	
Max. interfloor distance[mm]	In case the distance between the floors is greater than 11,000 mm then at least one emergency door is required, in order to reduce this distance.	



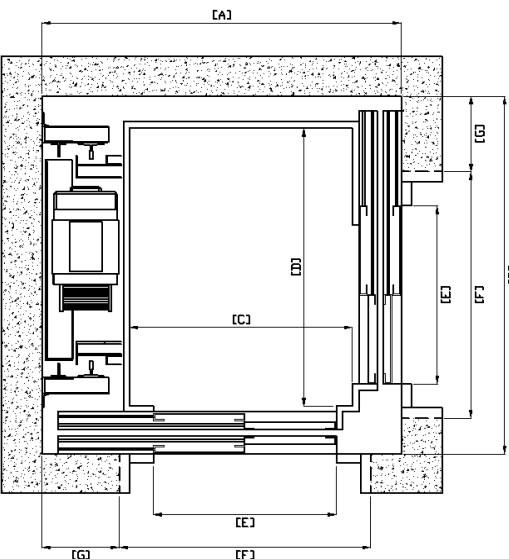
**Note :** To ensure proper working conditions for our maintenance / service personnel, it is essential that the topmost floor is protected from bad weather conditions like blowing wind, rain, etc. The well overhead temperature shall be within +5 to +40 °C.



1 Car Service								
		A	B	C	D	E	F	G
Load [kg]	Persons	Shaft	Shaft deep	Car width	Car dept	Door op.	Crude door opening	Wad side door
400	5	1370	1600	800	1200	750	1070	300
480	6	1500	1700	950	1300	800	1120	350
630	8	1650	1800	1100	1400	900	1220	400
1000	13	1750	2500	1100	2100	900	1220	490

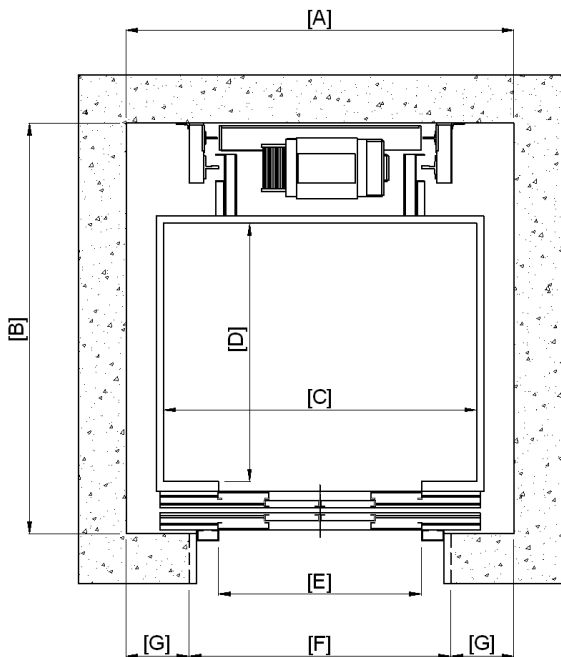


2 Car Services - Opposite								
		A	B	C	D	E	F	G
Load [kg]	Persons	Shaft	Shaft deep	Car width	Car dept	Door op.	Crude door opening	Wad side door
400	5	1370	1740	800	1200	750	1070	300
480	6	1500	1840	950	1300	800	1120	340
630	8	1650	1940	1100	1400	900	1220	390
1000	13	1750	2460	1100	2100	900	1220	490



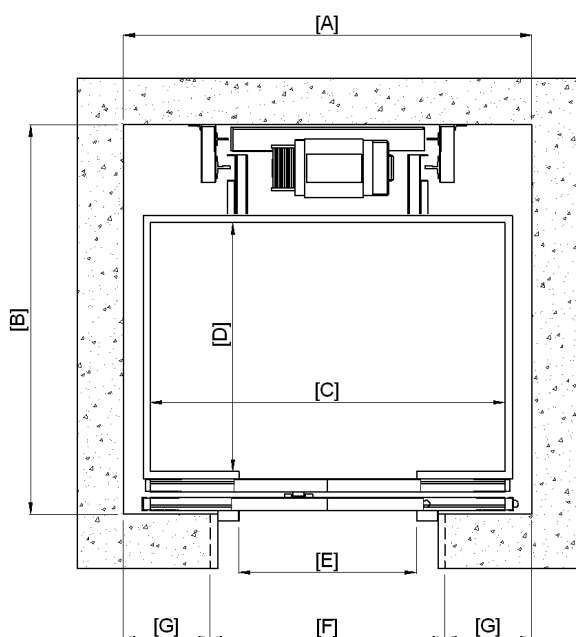
2 Car Services - Side								
		A	B	C	D	E	F	G
Load [kg]	Persons	Shaft	Shaft deep	Car width	Car dept	Door op.	Crude door opening	Wad side door
400	5	1500	1600	800	1200	750	1070	330
480	6	1650	1690	950	1300	800	1120	350
630	8	1810	1820	1400	1100	900	1220	410
1000	13	1900	2500	1100	2100	900	1220	520

Power and Operating Current					
Load [kg]	Speed [m / s]	Power [kW]	Nominal current [A]	Starting current [A]	Cable thickness [mmq]
400	1	3	8,7	11,31	4x4 + gnd
480	1	3,5	10,1	13,13	4x4 + gnd
630	1	4,5	12,4	16,12	4x6 + gnd
1000	1	7	20,6	26,78	4x10 + gnd



1 Car Service								
Load [kg]	Persons	A	B	C	D	E	F	G
1000	13	1900	2220	1600	1400	1100 (*)	1420	240
1250	16	2300	2220	2000	1400	1100 (*)	1420	440

(\*) door 4 central panels



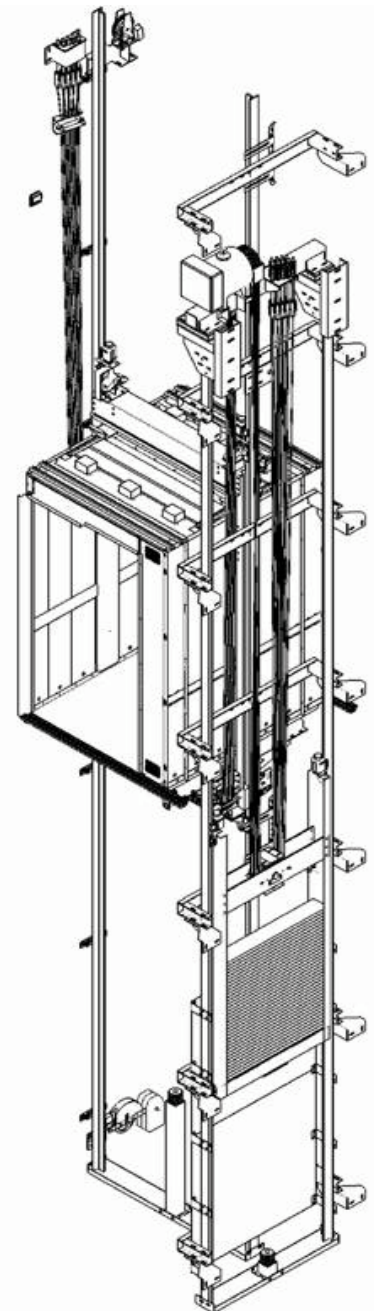
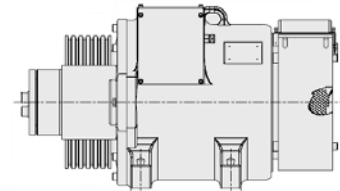
1 entrée en ligne								
Load [kg]	Persons	A	B	C	D	E	F	G
1250	16	2300	2220	2000	1400	1000 (**)	1320	490
1600	21	2800	2200	1850	1800	1300 (**)	1620	590

(\*\*) door 2 central panels

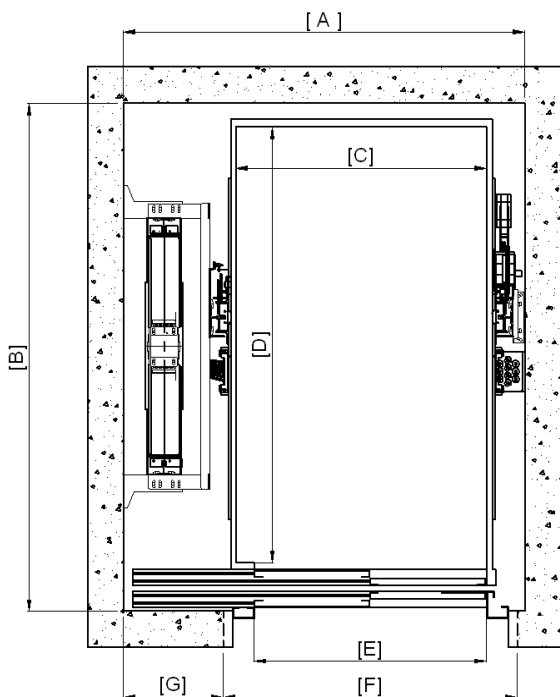
Power and Operating Current					
Load [kg]	Speed [m / s]	Power [kW]	Nominal current [A]	Starting current [A]	Cable thickness [mmq]
1000	1	7	20,6	26,78	4x10 + gnd
1250	1	8,6	26,4	34,32	4x10 + gnd
1600	1	11,1	35,8	46,54	4x16 + gnd

The MONORING of Paravia Srl is a standard lift with pre-engineered solutions. MONORING finds its application in residential buildings and in general for public use (hotels, banks, shopping centres) and in the local and foreign market.

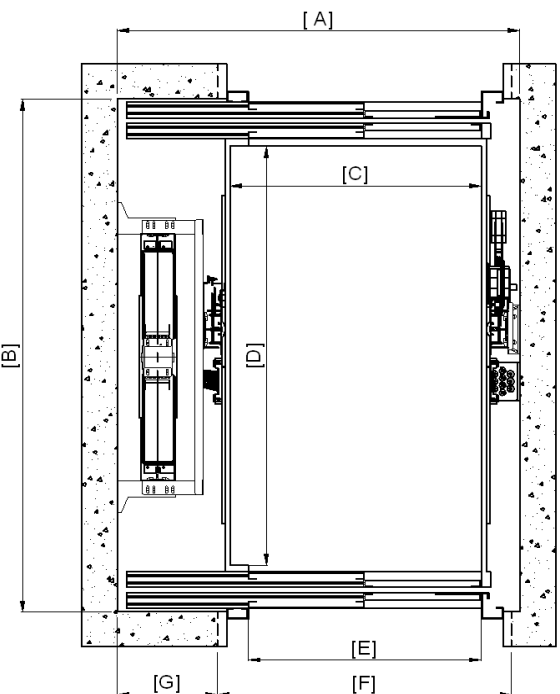
NORMES	EN81-1	
Operating technology	GEARLESS	
Rated capacity [kg]	1000, 1600, 2000	
Rated speed [m/s]	1.00, 1.60, 2.00	
Max course [m]	50	
Headroom / Pit [m]	3800 / 1500 (1.0 m/s) 4000 / 1800 (1.6 m/s) 4300 / 2000 (2.0 m/s)	
Maximum number of floors	16 for triplex	
Machine location	In the shaft	
Max. cyclic [starts / h]	180/ED40%	
Door type	Side opening	
Door width [mm]	Lateral	900 × 1300
Door height [mm]	2000 × 2400	
maximum capacity on the threshold [kg]	400	
Internal cabin height [mm]	2100 × 2400	
Distance between two floors on the same side [mm]	2550	
Maximum distance between landings [mm]	If the distance between two consecutive plans is more than 11000 mm, it is necessary to put at least one emergency door in order to reduce this distance.	



**Note:** In order to ensure good working conditions for our maintenance / service staff, it is essential that the top floor is protected against bad weather conditions such as wind, rain, etc.... The temperature at the top of the shaft should be between +5 and +40°C.



1 Car Service								
		A	B	C	D	E	F	G
Load [kg]	Persons	Shaft	Shaft deep	Car width	Car dept	Door op.	Crude door opening	Wad side door
1000	13	1750	2500	1100	2100	900	1220	440
1600	21	2300	2800	1400	2400	1300	1620	620
2000	26	2400	3100	1500	2700	1300	1620	620

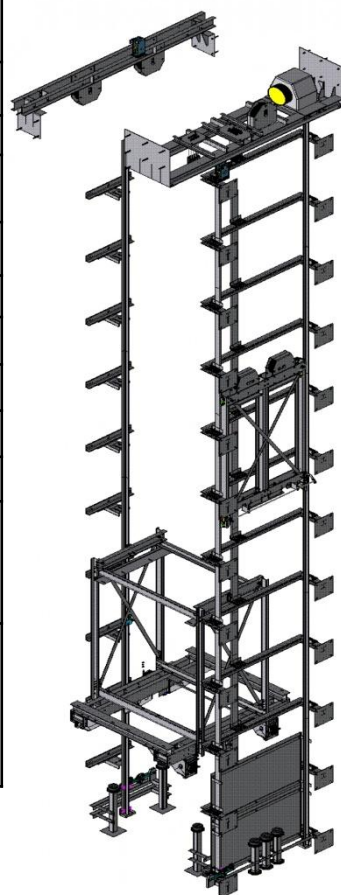
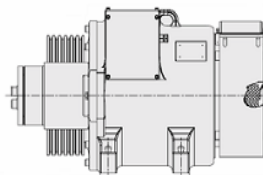


2 Car Services - Opposite								
		A	B	C	D	E	F	G
Load [kg]	Persons	Shaft	Shaft deep	Car width	Car dept	Door op.	Crude door opening	Wad side door
1000	13	1750	2650	1100	2100	900	1220	440
1600	21	2300	2950	1400	2400	1300	1620	620
2000	26	2400	3250	1500	2700	1300	1620	620

Power and Operating Current					
Load [kg]	Speed [m / s]	Power [kW]	Nominal current [A]	Starting current [A]	Cable thickness [mmq]
1000	1	7	20,6	26,78	4x10 + gnd
1600	1	11,1	35,8	46,54	4x16 + gnd
2000	1	13,6	42,1	54,73	4x16 + gnd

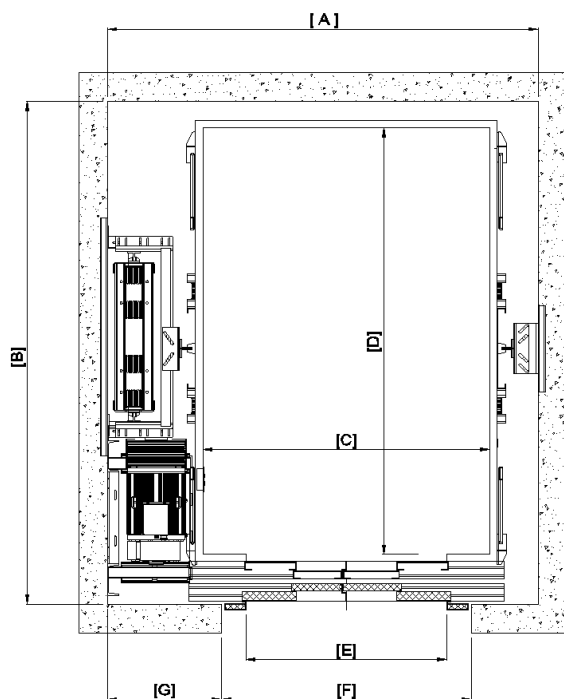
**ERCULES** is a standard elevator with pre-engineered layout solutions. It is dedicated to heavy duty applications such as Warehouses, shopping malls, industrial plants or big hotels for Public and Service use.

<b>NORM</b>	EN81-20
<b>Drive Technology</b>	GEARLESS - permanent magnet motor
<b>Rated Standard Load [kg]</b>	Up to 3200
<b>Rated Speed [m/s]</b>	0,60 – 1,00
<b>Max. Travel [m]</b>	40
<b>Headroom [m] (Min headroom based on cabin max. height 2200 mm)</b>	4600
<b>Pit [m]</b>	1800
<b>Max number of floors</b>	16 for triplex
<b>Location of machine</b>	MRL - Down in the pit MRL – Upper in headroom
<b>Max. duty cycle [starts/h]</b>	180/ED40%
<b>Door opening</b>	Center/ telescopic
<b>Door Width [mm]</b>	1400 ÷ 2000
<b>Door Height [mm]</b>	2100 ÷ 2400
<b>Max. sill load [kg]</b>	400 ÷ 1000
<b>Car internal height[mm]</b>	2200 ÷ 2900
<b>Min. interfloor distance between floors on same side [mm]</b>	2550 ÷ 3450
<b>Max. interfloor distance[mm]</b>	If the distance between two consecutive floor is greater than 11000 mm it is necessary to put one emergency door to reduce the distance into this limit

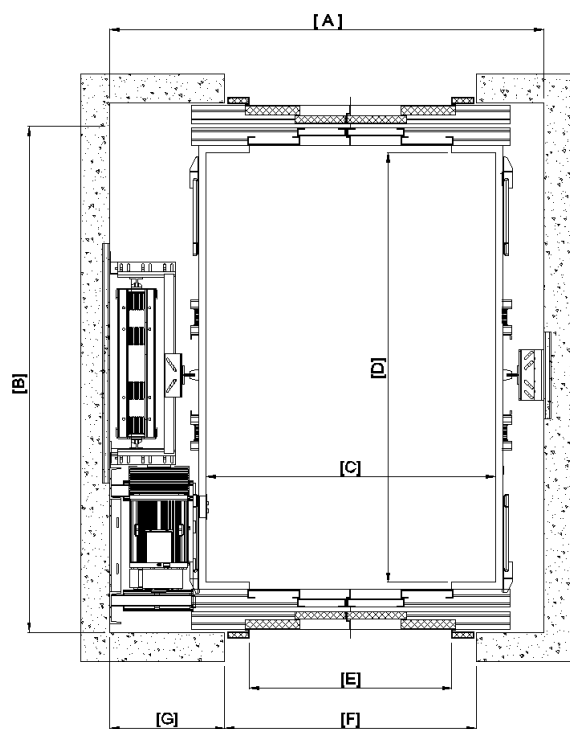


**Note: Ambient working temperature must be between +5 and +40,0 C**  
In case of different figures, an appropriate acclimatization must be provided.





1 Car Service								
		A	B	C	D	E	F	G
Load [kg]	Persons	Shaft	Shaft deep	Car width	Car dept	Door op.	Crude door opening	Wad side door
<b>3200</b>	<b>42</b>	<b>3000</b>	<b>3500</b>	<b>2100</b>	<b>2950</b>	<b>1400</b>	<b>1740</b>	<b>795</b>



2 Car serices - Opposite								
		A	B	C	D	E	F	G
Load [kg]	Persons	Shaft	Shaft deep	Car width	Car dept	Door op.	Crude door opening	Wad side door
<b>3200</b>	<b>42</b>	<b>3000</b>	<b>3650</b>	<b>2100</b>	<b>2950</b>	<b>1400</b>	<b>1740</b>	<b>795</b>

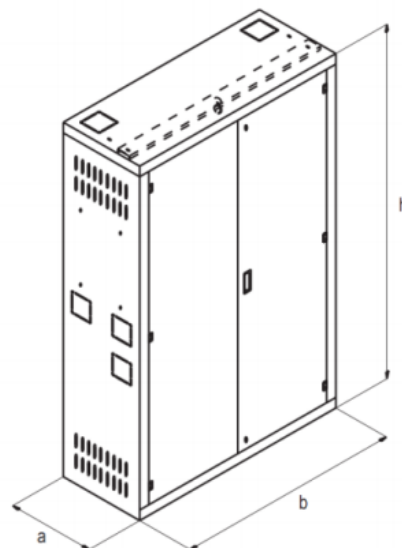
Power and Operating Current					
Load [kg]	Speed [m / s]	Power [kW]	Nominal current [A]	Starting current [A]	Cable thickness [mmq]
<b>3200</b>	<b>1</b>	<b>21</b>	<b>53</b>	<b>69</b>	<b>4x25 + gnd</b>

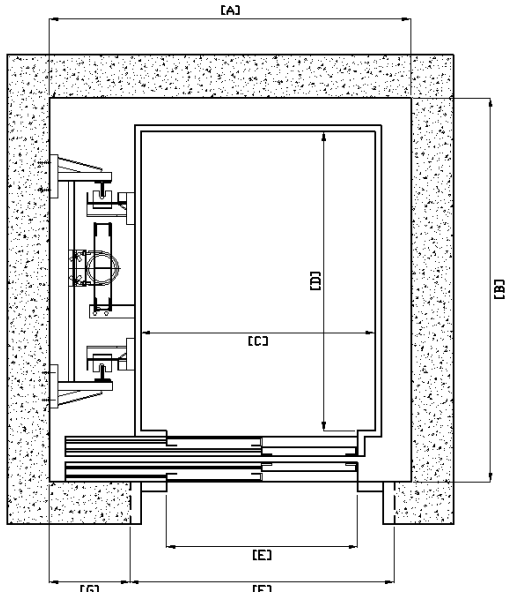


HYDRALITE is a standard elevator with pre-engineered layout solutions, it is used for residential buildings and general purpose buildings (offices or small hotels).

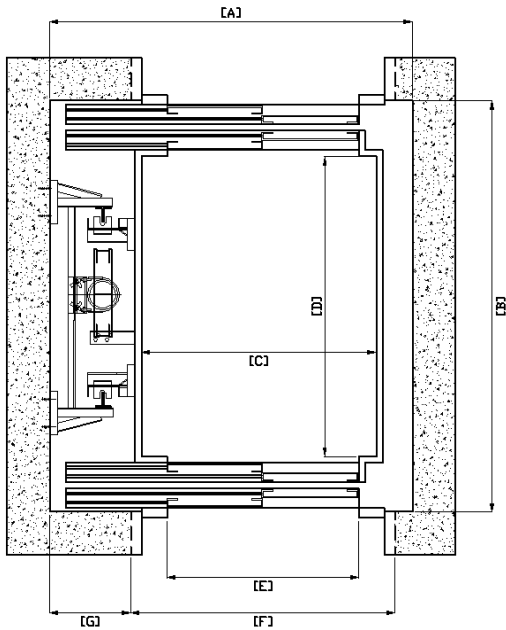
<b>NORM</b>	EN81-20	
<b>Drive Technology</b>	Hydraulic	
<b>Rated Standard Load [kg]</b>	400, 480, 630, 900, 1000	
<b>Rated Speed [m/s]</b>	0,63 (400-1000 kg)	
<b>Max. Travel [m]</b>	24	
<b>Headroom [m] (Min headroom based on cabin max. height 2100 mm)</b>	3800	
<b>Pit [m]</b>	1500	
<b>Max number of floors</b>	8	
<b>Acting of cylinder</b>	2:1 / 1:1	
<b>Max. duty cycle [starts/h]</b>	60/ED40% 90/ED40% with oil cooler or VVVF system	
<b>Door type</b>	Side/Central opening	
<b>Door Width [mm]</b>	Side Opening	750 ÷ 900
<b>Door Height [mm]</b>	2000 ÷ 2400	
<b>Max. sill load [kg]</b>	400	
<b>Car internal height[mm]</b>	2100 ÷ 2400	
<b>Min. interfloor distance between floors on same side [mm]</b>	2550 ÷ 3150	
<b>Max. interfloor distance[mm]</b>	If the distance between two consecutive floor is greater than 11000 mm it is necessary to put one emergency door to reduce the distance into this limit.	

**Note:** Ambient working temperature must be between +5 and +40,0 C°. In case of different figures, an appropriate acclimatization must be provided.

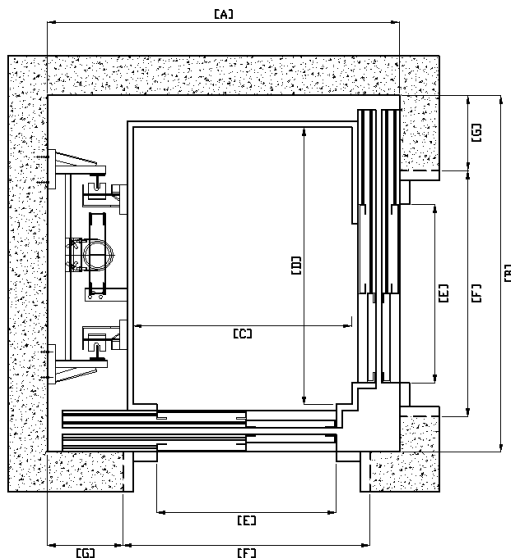




1 Car Service								
		A	B	C	D	E	F	G
Load [kg]	Persons	Shaft	Shaft deep	Car width	Car dept	Door op.	Crude door opening	Wad side door
400	5	1400	1600	800	1200	750	1070	290
480	6	1500	1700	950	1300	800	1120	340
630	8	1700	1800	1100	1400	900	1220	390
900	12	2000	1900	1370	1500	900	1220	570
1000	13	2060	2000	1400	1600	900	1220	570
1000	13	1760	2500	1100	2100	900	1220	455



2 Car Services - Opposite								
		A	B	C	D	E	F	G
Load [kg]	Persons	Shaft	Shaft deep	Car width	Car dept	Door op.	Crude door opening	Wad side door
400	5	1400	1720	800	1200	750	1070	290
480	6	1500	1820	950	1300	800	1120	340
630	8	1700	1920	1100	1400	900	1220	390
900	12	2000	2020	1370	1500	900	1220	555
1000	13	2060	2120	1400	1600	900	1220	570
1000	13	1760	2620	1100	2100	900	1220	455



2 Car Services - Side								
		A	B	C	D	E	F	G
Load [kg]	Persons	Shaft	Shaft deep	Car width	Car dept	Door op.	Crude door opening	Wad side door
400	5	1500	1600	800	1200	750	1070	330
480	6	1640	1690	950	1300	800	1120	370
630	8	1790	1820	1100	1400	900	1220	390
900	12	2120	1920	1370	1500	900	1220	470

Power and Operating Current					
Load [kg]	Speed [m / s]	Power [kW]	Nominal current [A]	Starting current [A]	Cable thickness [mmq]
400	0,6	7,7	18	54	4x6 + gnd
480	0,6	7,7	18	54	4x6 + gnd
630	0,6	11	27	81	4x10 + gnd
900	0,6	14,7	33	49,5	4x16 + gnd
1000	0,6	18,4	42	63	4x16 + gnd
1000	0,6	18,4	42	63	4x16 + gnd