Orona 3G

X-22C

Solution for heavy loads and high performance

Electrical solution for heavy loads.
High-performance capacity.

General specifications

Load / Capacity	2,550 to 3,500 / 3,550 to 5,000 kg
Speed	0.5 - 1 m/s / 0.5 m/s
Maximum travel	30 m to 50 m / 30 m
Maximum floors served	14 floors
Entrances	1 front / 2 open through
Drive system	Direct gearless
Controller	ARCA III controller, low energy consumption multiprocessor
Door types	Automatic side-opening / Automatic central-opening
Clear door opening	From 900 to 2,900 mm (in increments of 100 mm)
Door height	2,000 / 2,100 / 2,200 / 2,300
Car dimensions	Parametric car dimensions
Internal car height	2,100 / 2,200 / 2,300 / 2,400
Aesthetic solutions	Heavy loads Aesthetics

Standard Optional

1 DRIVE

Compact, quiet, gearless, energy efficient, speed regulated (VVVF) permanent magnetic electric motor.

2 MACHINE-ROOM

A traditional solution simplifying lift maintenance.

3 ACCESSIBLE SPACE BELOW THE PIT

Adapts the lift to suit buildings which have an accessible space below the pit (optional).

4 ROBUST LIFT CAR

Provides greater comfort during lift travel, with reduced vibration and noise.

5 PARAMETRIC/FLEXIBLE

Flexible car and door configurations ensure available shaft dimensions can be optimised (optional).

6 CARS

Special car dimensions, with extra depth and wider doors.
Designed with reinforced panels and floors for multiple and intensive uses.

ECO-EFFICIENCY ADAPTABILITY DESIGN AND ACCESSIBILITY CONTROL AND SAFETY

19/05

Customised solution, examples of dimensions*

Load / Capacity		Car				Lift shaft[0]				
Speed	Q Load	AC Width	FC Depth	PL Clear opening	Doors[2]	Entrances	AH[3] Width	FH Depth	HF Min. pit	HUP[4] Headroom
0.5 m/s	2,550 kg	2,300	1,900	900 - 2,900	PL < 2,100 HH PL > 2,200 MM	1	3,300	2,260	1,350	3,875
						2x180[0]		2,470		
		1,900	2,500			1	2,975	2,770		
						2x180[0]		2,890		
	3,000 kg	2,500	2,200			1	3,520	2,560		
						2x180[0]		2,770		
	3,500 kg	2,500	2,500			1	3,520	2,860		
						2x180[0]		3,070		
		2,100	3,000			1	3,225	3,270		
						2x180[0]		3,390		
	4,000 kg	2,500	2,800			1	3,520	3,160		
						2x180[0]		3,370		
	4,500 kg	2,700	2,800			1	3,750	3,160		
						2x180[0]		3,370		
	5,000 kg	3,000	2,800			1	4,060	3,160		
						2x180[0]		3,370		
1 m/s	2,550 kg	2,300	1,900	900 - 2,900	PL < 2,100 HH PL > 2,200 MM	1	3,250	2,260	1,350	3,900
						2x180[0]		2,470		
		1,900	2,500			1	2,975	2,770		
						2x180[0]		2,890		
	3,000 kg	2,500	2,200			1	3,520	2,560		
						2x180[0]		2,770		
	3,500 kg	2,500	2,500			1	3,520	2,860		
						2x180[0]		3,070		
		2,100	3,000			1	3,225	3,270		
						2x180[0]		3,390		

0 Minimum plumb measurements

1 The possible car dimensions vary by 50 mm increments only

2 Two and three panel telescopic door also possible

3 Shaft width calculated for maximum PL and central doors, telescopic doors also available

4 HUP for internal car height of 2,200 mm
HUP will be reduced by 70 mm for LED lighting

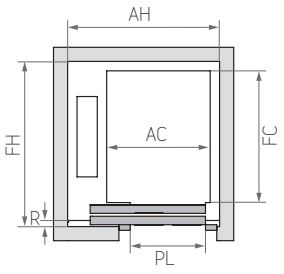
HH - Four panel central door

MM - Six panel central door

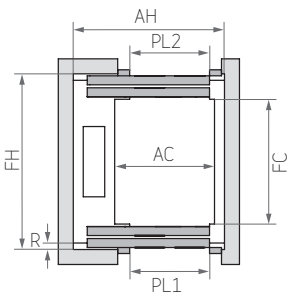
* The information is not contractually binding and is subject to the conditions of the shaft

Layout*

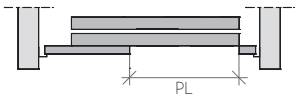
1 ENTRANCE side counterweight



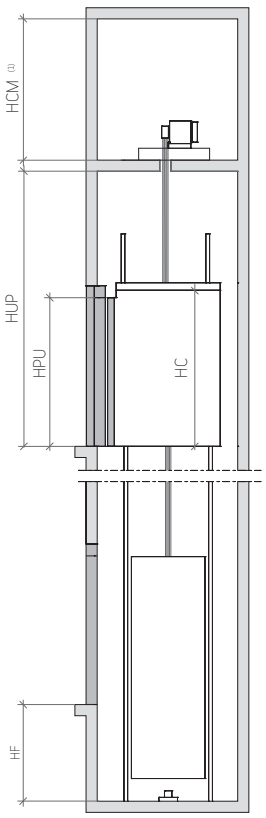
2 ENTRANCES (OPEN THROUGH)



WIDE-FRAMED DOOR DETAIL



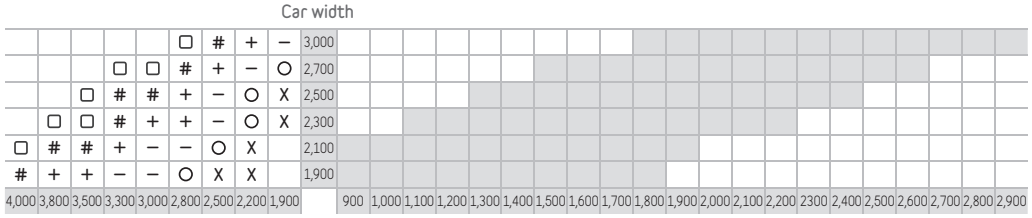
VERTICAL SECTION



(1) HCM - minimum 2,000 mm

* Note: The diagrams are for guidance only.

Customised car dimensions



X = 2,500 - 2,950 kg / O = 3,000 - 3,450 kg / – = 3,500 - 3,950 kg
+ = 4,000 - 4,450 kg / # = 4,500 - 4,950 kg / □ = 5,000 kg

Note: Dimensions considering 1 entrance.
Car width and depth variable, in increments of 5 mm.
For simplification, table samples show increments of 100 mm and s = 0.5 m/s.