

WTP20

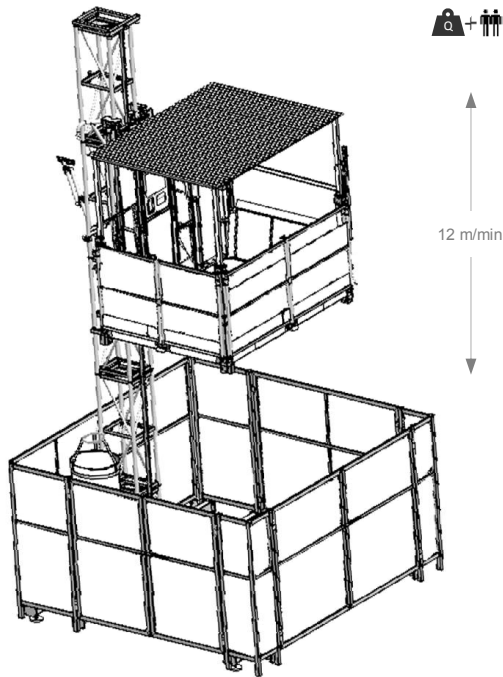


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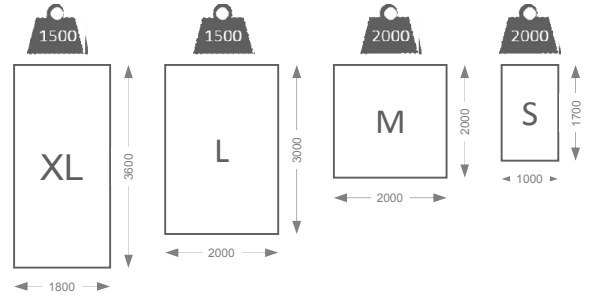


- Machinery Directive
2006/42/CE
- Material Hoist
EN-12158-1:2001
- Builders hoists for persons and materials with vertically guided cages
EN-12159:2000
- Mast Climbing Working Platforms
EN-14195:98
- Electromagnetic Compatibility Directive
89/336/EC
- Low voltage Directive
73/23/EC
- Safety of machinery – Electrical equipment of machines - Part 1: General requirements
EN 60204-1

LOADS AND CONFIGURATIONS



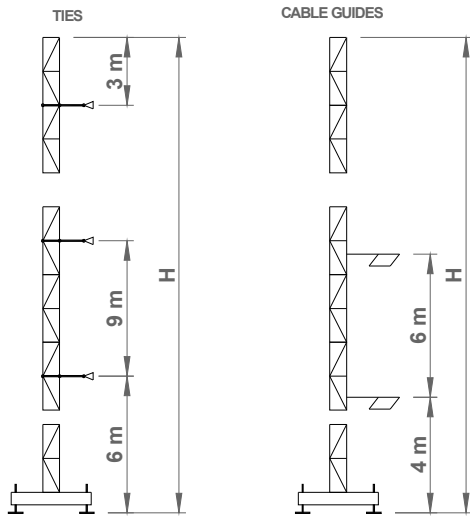
Standard internal car dimensions



Possibility of installation of the machine right or left hand

For other dimensions and capacities, contact Motto Elevation S.L.

TIES AND CABLE GUIDES DISTANCES

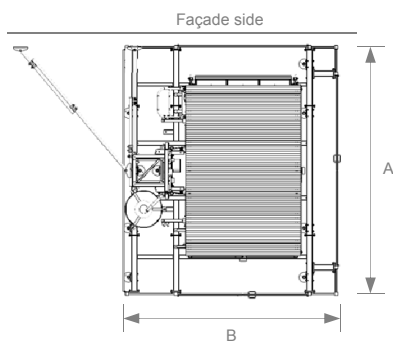


MTP20-XL maximum distance between ties = 6m

MAXIMUM HEIGHT (H)	
Standard mast	150 m
Reinforced	250 m

Interchangeable mast sections with other Motto's machines:
MM50 - MH20 - ML20

BASIC UNIT WEIGHT AND DIMENSIONS

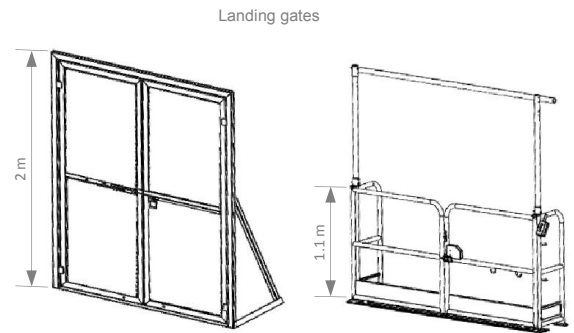
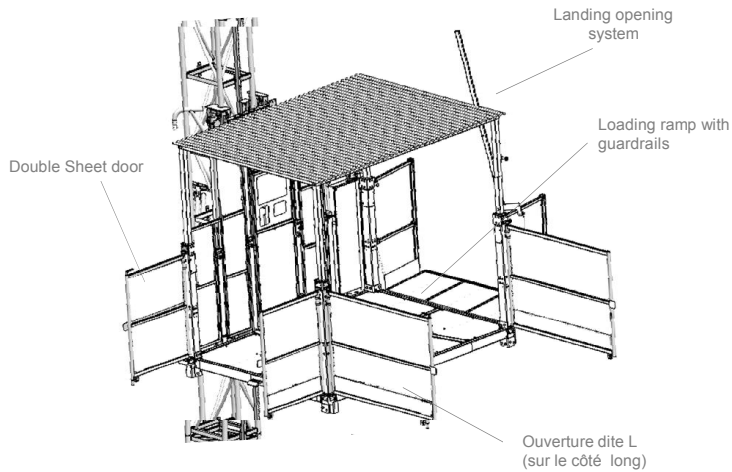


Base with levelling jacks

Basic Unit : Base + drive unit + car + mast section

Car size	A (mm)	B (mm)	Car height (mm)	Weight (kg)
XL	4850	3330	2100	2750
L	4250	3630	2100	2680
M	3250	3630	2100	2390
S	2250	2630	2100	1950

CAR DOORS AND LANDING GATES



Landing gates with electromechanical blocking device

Car doors, with electromechanical blocking device, are easy and quickly interchangeable
 Possibility of choosing the type of door of each access to the car
 Three lateral openings

TECHNICAL CHARACTERISTICS

GENERAL DATA

Maximum rated load	2000 kg
Max. number of people	7
Maximum height	Standard mast = 150 m Reinforced mast = 250 m
Mast sections	Square 560 x 560mm x 1,5m - 80 kg
Drive unit weight	700 kg
Maximum wind speed	Anchored = 72 km/h Anchored XL = 60 km/h Freestanding / installation=45 km/h
Hot dip galvanized main components	

For other required characteristics, contact Motto Elevation S.L.

ELECTRICAL DATA

Power supply (*)	400V (±5%) – 50Hz – 3ph+N+E
Hand tools power supply (*)	230V and 16A – 50Hz – 1ph+N+E
Control voltage	48 VAC
Motors power	2 x 5,5 kw
Min. required power	16,5 kw
Nominal current	22 A
Starting current	115 A
Minimum three phase generator	80 KVA

(*) Other power supplies available (voltage and 60 Hz frequency) according to national conditions of power supply

MAIN SAFETY DEVICES

STANDARD MECHANICAL SAFETIES
2 motors with gearbox and electromechanical brakes
Safety device or parachute
Floating motor plate
Top and bottom mechanical stops with buffers
Anti overturn devices
Mast protector
Anti slippery floor
Motor protecting cover
Emergency descent
Door opening system of double movement

STANDARD ELECTRICAL SAFETIES
Electromechanical blocking devices on car, enclosure, landing gates
Erection platform interlocking device
Top, bottom and emergency stops
Rack detector
Emergency stops (on car, control boxes, landing panels ...)
Movement acoustic buzzer
Power supply main switch
Phases control and differential and magneto-thermic relays
Safety device triggering detector
Manual erection jib detector
Low voltage control

MAIN OPTIONAL DEVICES



OPERATION

Base enclosure of 2m height
3 access doors in base enclosure
Adjustable rollers
Translation wheels
Landing control panels
Time and hours counter
Frequency inverter system
Material Hoist conversion kit



SAFETY

Anemometer
Floating mechanical stop
Overload device and power comparator
Safety device control panel
2m stop



TOOLS

Jib
Manual winch
Erection tool set
Support for drive unit manipulation



APPLICATION

Cold climate
High temperatures
Explosion proof
Offshore / Marine proof
Special materials



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