

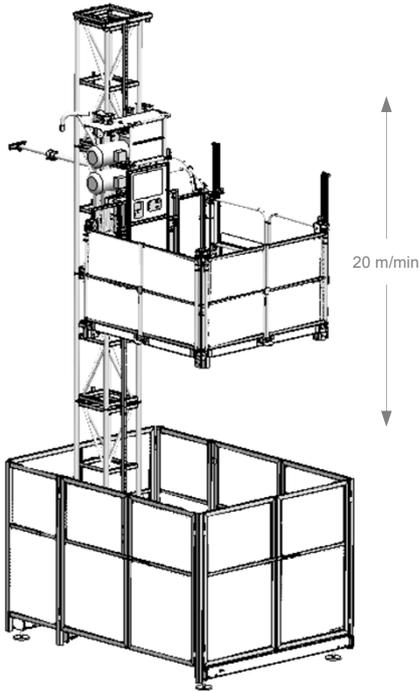
*MH20*



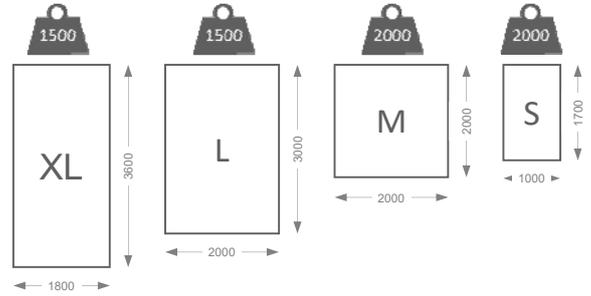
EN 12158-1:2001 **CE**

- Machinery Directive  
2006/42/CE
- 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



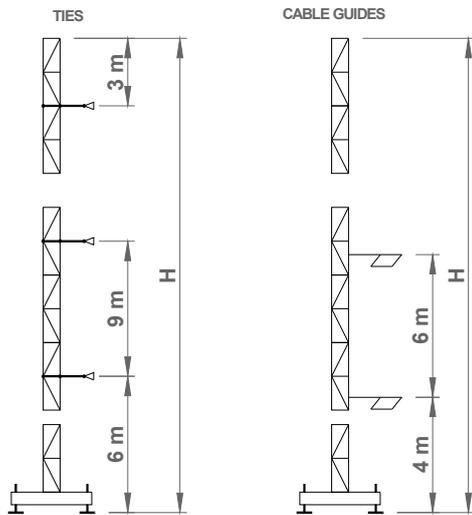
Standard internal car dimensions



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

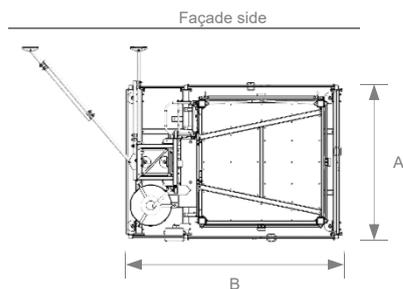


MH20-XL maximum distance between ties = 6m

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

Interchangeable mast sections with other Motto's machines:  
MM50 - MTP20 - ML20

# BASIC UNIT WEIGHT AND DIMENSIONS

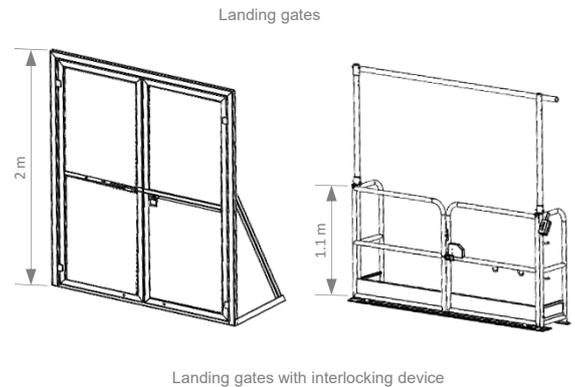
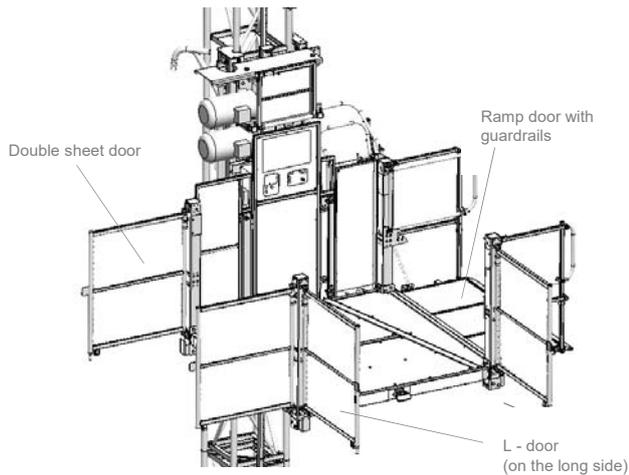


Base with levelling jacks

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

Car size	A (mm)	B (mm)	Weight (kg)
XL	3850	2830	2330
L	3250	3130	2260
M	2250	3130	1990
S	1250	2130	1550

# CAR DOORS AND LANDING GATES



Car doors are easy and quickly interchangeable  
 Possibility of choosing the type of door for each access to the car  
 Three lateral openings

## TECHNICAL CHARACTERISTICS

### GENERAL DATA

Maximum rated load	2000 kg
Maximum height	Standard mast = 150 m Reinforced mast = 250 m
Mast section	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 60Hz 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

STANDARD ELECTRICAL SAFETIES
Interlocking 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  
Translations wheels  
Landing control panels  
Time and hours counter  
Transport Platform conversion kit



### SAFETY

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



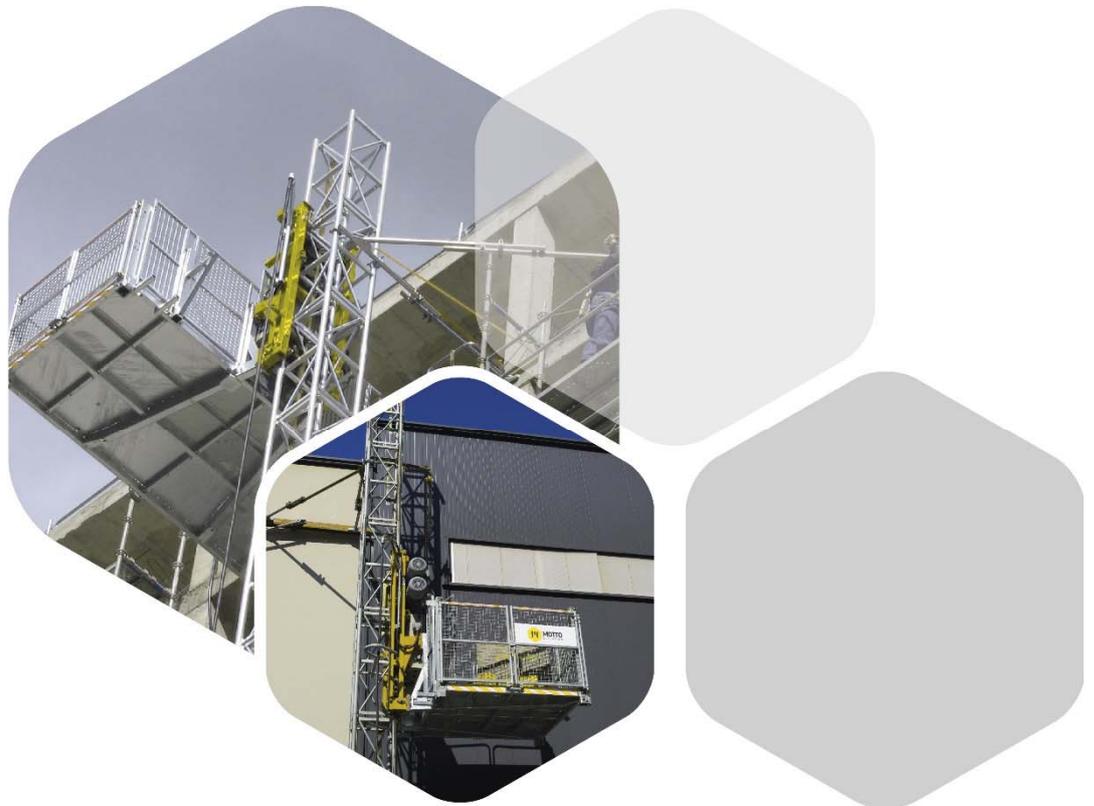
### TOOLS

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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