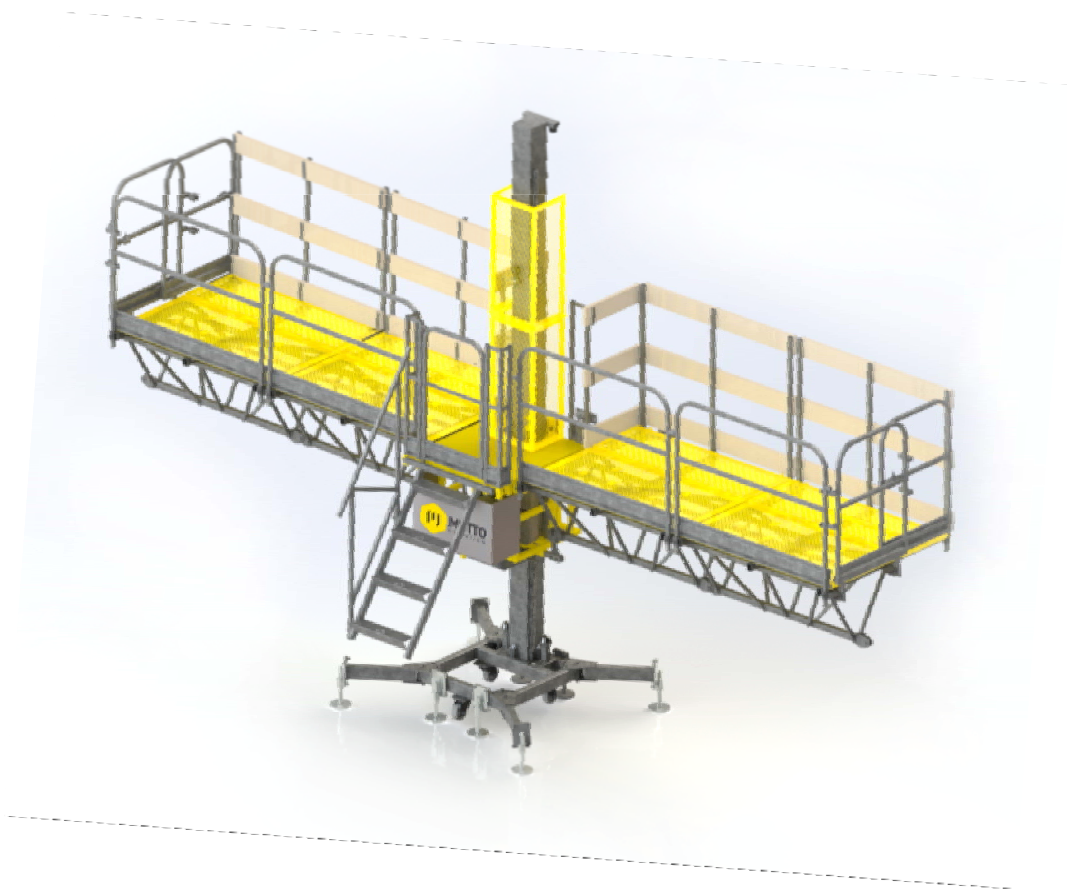


*MM20*

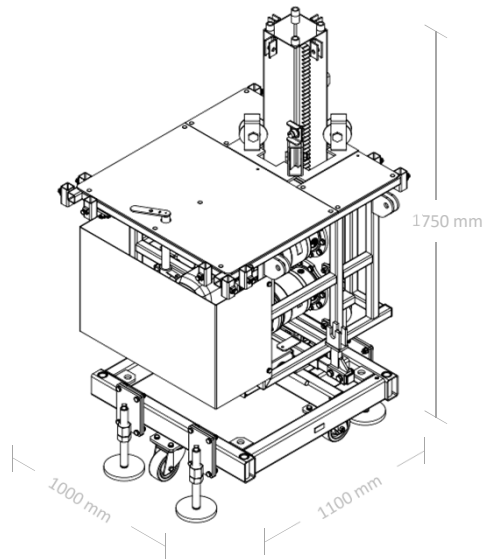


EN 1495

CE

- Machinery Directive  
2006/42/CE
- Electromagnetic Compatibility Directive  
89/336/EC.
- Low Voltage Directive  
73/23/EC
- Safety of machinery  
EN ISO 12100
- Safety of machinery – Electrical equipment of machines – Part 1 : General requirements  
EN 60204-1

# DIMENSIONS AND OPTIMIZED TRANSPORT



Compact MCWP optimized for reduce installation and transport costs

40 'HC container : 352 mast sections

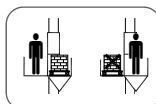
# LOADS AND CONFIGURATIONS

SINGLE MAST			
L (m)	Total Length Configuration	Total Service Load Q (kg)	
		0,5m	
6,9		550	650
5,6		650	730
3,9		780	830
2,6		880	910

TWIN MAST			
L (m)	Total Length Configuration	Total Service Load Q (kg)	
		0,5m	
21,3		800	1120
18,3		1030	1300
15,3		1260	1480
13,8		1375	1570
12,3		1490	1660
9,3		1720	1840
8,12		1810	1910
6,5		1935	2010

Load must be evenly distributed over the whole length of the platform.

Other available configurations : contact Motto Elevation S.L.



Extensions are for the exclusive use of workers. Never place any load on an extension.

# TECHNICAL CHARACTERISTICS

GENERAL DATA	SINGLE MAST	TWIN MAST
Lifting speed	6 m/min	
Maximum height	100 m	
Max. distance between anchors	6 m	
Freestanding maximum height	4,5 m	
Maximum platform length	6,9 m	21,3 m
Max. distance between mast axis	-	14,4 m
Platform width	0,83 m	
Standard telescopic extensions width	0,5 m	
Decks (without floor)	0,83m = 40 kg / 1,5 m =65 kg	
Mast section	Square pipe 180 x 180mm x 1,5m - 50 kg	
Drive unit weight (without stabilizers)	550 kg	
Maximum wind speed	Anchored = 55 km/h Freestanding / installation = 45 km/h	
Temperature range	-10 / +55 degrees Celsius	
Noise level in service	< 80 Db (A) IEC51	
Main components hot dip galvanized		





## 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 (per drive unit)	6 m/min = 2 x 1,85 kw
Min. required power (per drive unit)	6 m/min = 6 kw
Nominal current (per drive unit)	6 m/min = 9 A
Starting current (per drive unit)	6 m/min = 43 A
Min. three phase generator (per drive unit)	6 m/min = 25 KVA

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

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

## MAIN OPTIONALS DEVICES

			
OPERATION	SAFETY	TOOLS	APPLICATION
Drive unit extensions	Overload device	Jib	Cold climate
Special higher dimensions	Parachute	Manual winch	High temperatures
Special ties for other configurations	Obstacle detection device	Erection tool set	Explosion proof
Optimum transport configuration of mast sections	Communication device		Offshore / Marine proof
			Special materials

## MAIN SAFETY DEVICES

STANDARD MECHANICAL SAFETIES
2 motors with gearbox and electromechanical brakes
2 centrifugal brakes per drive unit
Floating motor plate
Automatic self levelling in twin mast
Emergency descent
Top and bottom stops with buffers
Mast protector
Anti slippery floor
Motor protecting cover
Metallic railing and telescopic railing on sides

STANDARD ELECTRICAL SAFETIES
Interlocking device on access door
Top, bottom and emergency stops
Rack detector
Emergency stops
Low voltage control
Movement acoustic buzzer
Right / left drive unit selector
Phases control relay
Emergency stop pushbuttons at control panel and drive units
Delayed starting, with acoustic signalling



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