

Mast climber

POWERSTON

MC 650

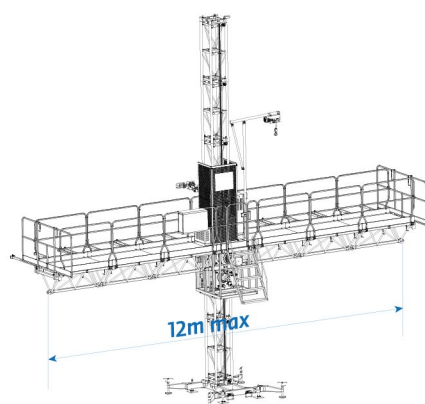
According to the following directive and standards

2006/42/CE Directive on Machinery

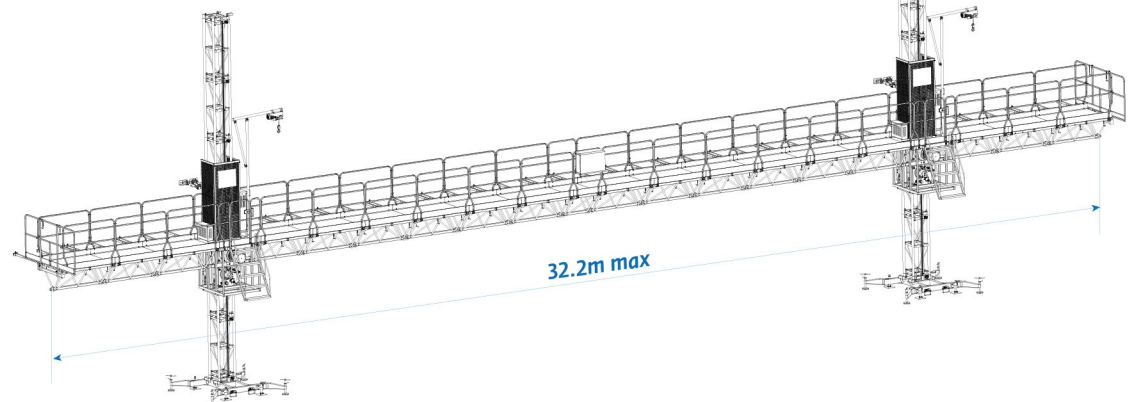
2006/95/CE Low Voltage Directive

2004/108/CE Electromagnetic Compatibility Directive

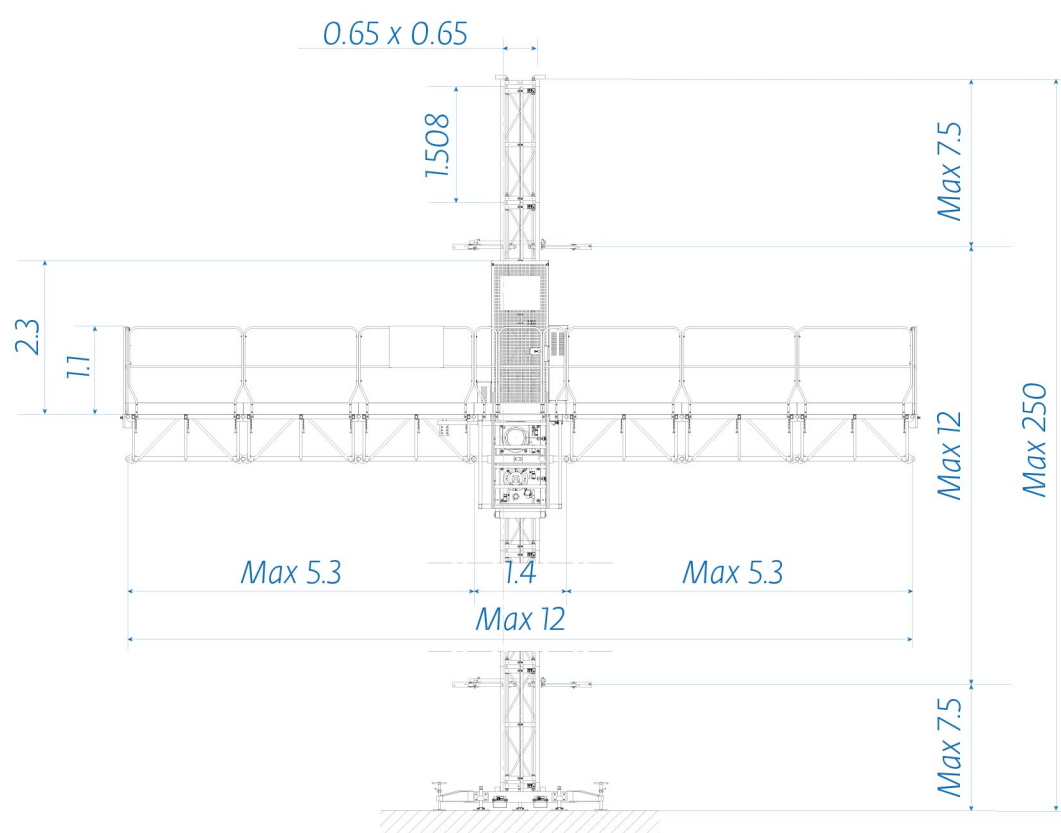
EN 1495 Mast Climbing Work Platforms



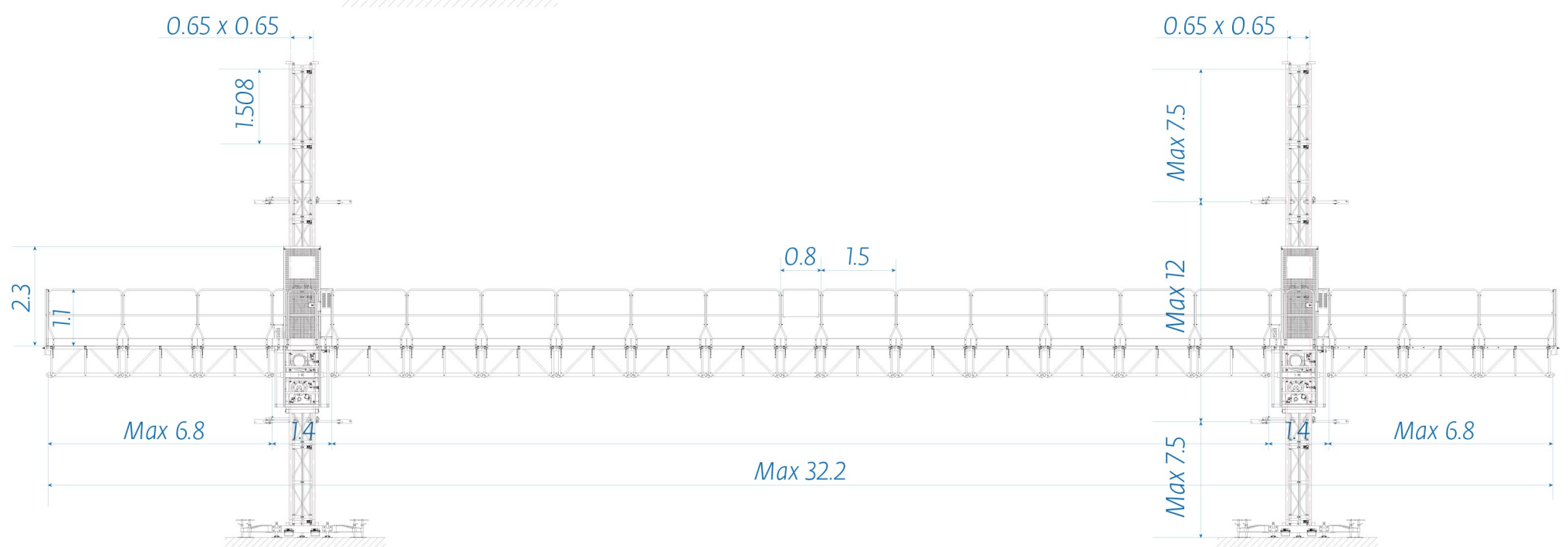
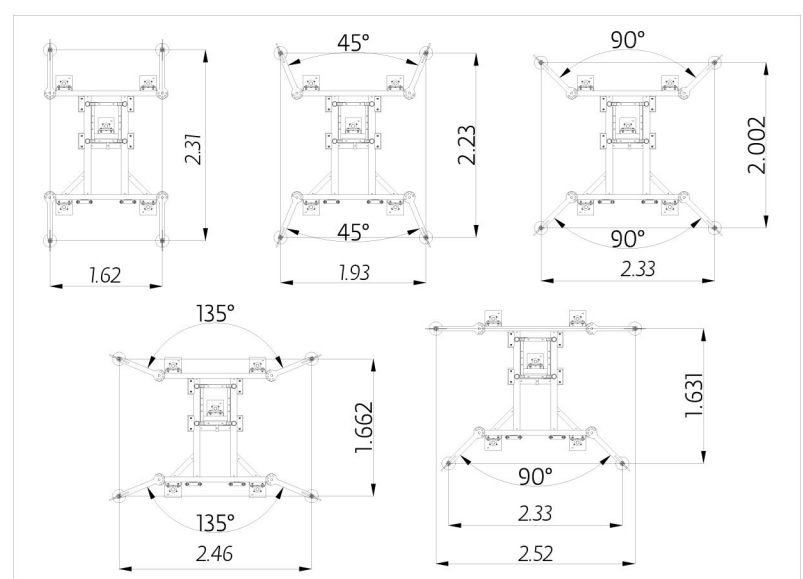
MC 650 single



MC 650 twin



BASE FRAME CONFIGURATIONS



POWERSTON

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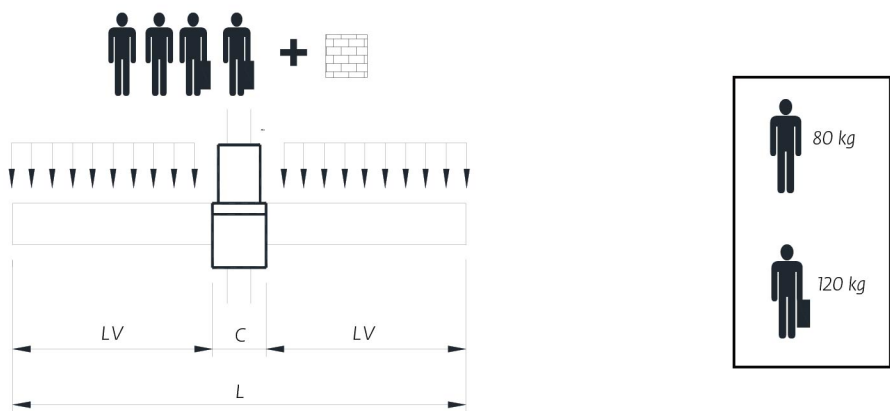
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Mast climber

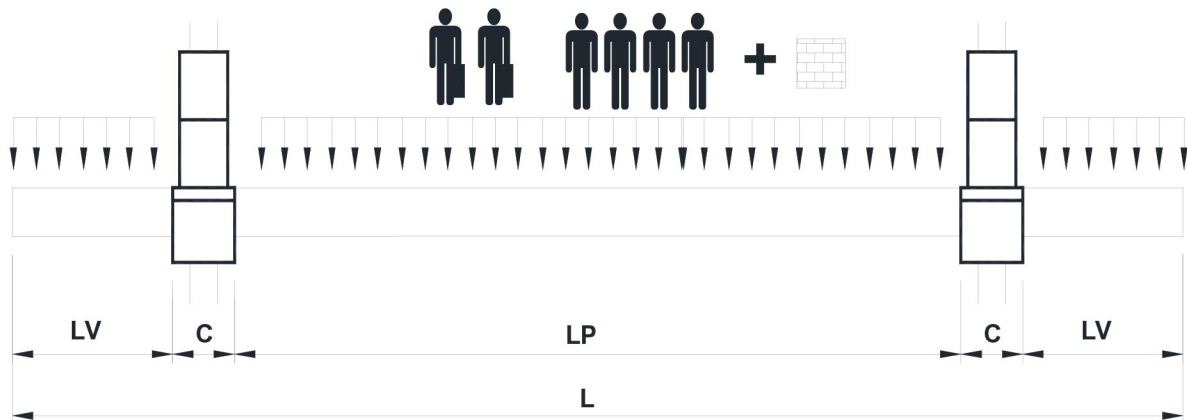
CONFIGURATION SIZE AND LOAD

POWERSTON

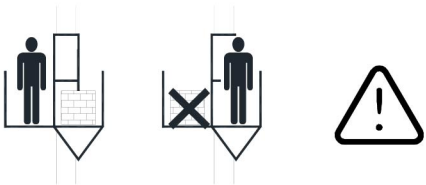
MC 650



Mast Climber		Single Mast								Max. load capacity	
L (m)		LV (m)			C (m)	LV (m)				   (kg)	
2.8				0.8	1.2	0.8				3250	
4.2				1.5	1.2	1.5				3000	
5.8			0.8	1.5	1.2	1.5	0.8			2810	
7.2			1.5	1.5	1.2	1.5	1.5			2550	
8.8		0.8	1.5	1.5	1.2	1.5	1.5	0.8		2300	
10.2		1.5	1.5	1.5	1.2	1.5	1.5	1.5		2050	
12	0.8	1.5	1.5	1.5	1.2	1.5	1.5	1.5	0.8	1800	



C	L   											
	1.5 (LV)		1.5 + 0.8 (LV)		1.5 + 1.5 (LV)		1.5 + 1.5 + 0.8 (LV)		1.5 + 1.5 + 1.5 (LV)		1.5 + 1.5 + 1.5 + 0.8 (LV)	
	L / m	kg	L / m	kg	L / m	kg	L / m	kg	L / m	kg	L / m	kg
2.8	10.3	5270	11.9	5152	13.3	5050	14.9	4932	16.3	4830	17.9	4692
	11.1	5211	12.7	5093	14.1	4991	15.7	4873	17.1	4771	18.7	4633
	11.8	5160	13.4	5042	14.8	4940	16.4	4822	17.8	4720	19.4	4582
	12.6	5101	14.2	4983	15.6	4881	17.2	4763	18.6	4661	20.2	4523
	13.3	5050	14.9	4932	16.3	4830	17.9	4712	19.3	4610	19.3	4472
	14.1	4991	15.7	4873	17.1	4771	18.7	4653	20.1	4551	21.7	4413
	14.8	4940	16.4	4822	17.8	4720	19.4	4602	20.8	4500	22.4	4362
	15.6	4881	17.2	4763	18.6	4661	20.2	4543	21.6	4441	23.2	4303
	16.3	4830	17.9	4712	19.3	4610	20.9	4492	22.3	4404	23.9	4252
	17.1	4771	18.7	4653	20.1	4551	21.7	4433	23.1	3981	24.7	3893
	17.8	4720	19.4	4602	20.8	4500	22.4	4082	23.8	3930	25.4	3842
	18.6	4661	20.2	4543	21.6	4441	23.2	4023	24.6	3871	26.2	3783
	19.3	4610	20.9	4492	22.3	4390	23.9	3922	25.3	3770	26.9	3682
	20.1	4551	21.7	4433	23.1	4331	24.7	3863	26.1	3711	27.7	3623
	20.8	4500	22.4	4382	23.8	4280	25.4	3812	26.8	3660	28.4	3572
	21.6	4441	23.2	4323	24.6	4221	26.2	3703	27.6	3601	29.2	3463
	22.3	4390	23.9	4272	25.3	4170	26.9	3652	28.3	3450	29.9	3412
	23.1	4331	24.7	4213	26.1	4111	27.7	3593	29.1	3391	30.7	3353
	23.8	4280	25.4	4162	26.8	3660	28.4	3442	29.8	3340	31.4	3202
	24.6	4221	26.2	4103	27.6	3601	29.2	3383	30.6	3280	32.2	3000



The load must be evenly distributed on the platform deck and never laid on the extension area.

Mast climber

TECHNICAL DATA

POWERSTON

MC 650

	SINGLE MAST	TWIN MAST
Maximum platform length	12 m	32.2 m
Minimum platform length	2.8 m	4.8 m
Central deck maximum length		18.8 m
platform width	1.2 m	
Maximum telescopic extension width	1 m / 1,5 m / 2 m (*)	
Maximum lifting height(freestanding)	7.5 m	
Maximum lifting height(anchored)	250m (*)	
Maximum distance between ties	12 m	
Lifting speed	6.4 m/min / 8.8 m/min	
Deck module length	1,5 m / 0,8m	
Maximum number of persons	4	6
Maximum allowed wind speed during ser-vice.Ancored	55 km/h	
Mast section / Rack Modulus	1,508 m / 8	
Rated power drive units	1*13 kw / 2*7.5kw(**) 2*13 kw / 2*2*7.5kw(**)	
Input power range 50Hz or 60Hz	380 V	
Power Supply	22kVA / 26kVA	22kVA / 28.5kVA

(*) For higher values please contact POWERSTON

(**) Optional

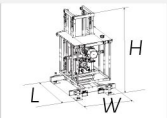
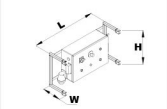
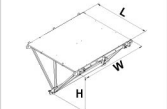
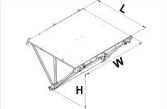
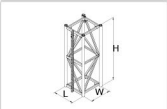
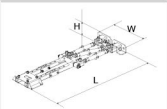
SAFETY DEVICES	OPTIONAL
One motor reducer links two gears output to mesh with the rack	Metalic floor extensions
Each motor reducer contains an electric brake	Booms and hoist assembly
Overspeed emergency brakes	Cable storage bucket
Automatic horizontal regulation system	Right-angle corner kit
Emergency manual descending	Obstacle detection kit
Access doors with closed limit switch	Power unit floor extension
Mast protector	Reduced space base
Limit switches for maximum and minimun height	Floating mechanical buffer stop (lower)
Rack detector limit switch	Debris safety net
Shock absorbers at the base and at the top of the mast	Anemometer
Manoeuvre acoustic signal	Emergency anti-fall braking system
Full safety tractor group with specific design to provide an optimal power transfer	Overload detector
Mechanical stop at the top of the last mast	Glide rail extension
Control voltage 24V AC	Expansion Double-Decker
Non sliding floor	Top Crane Extension

Mast climber

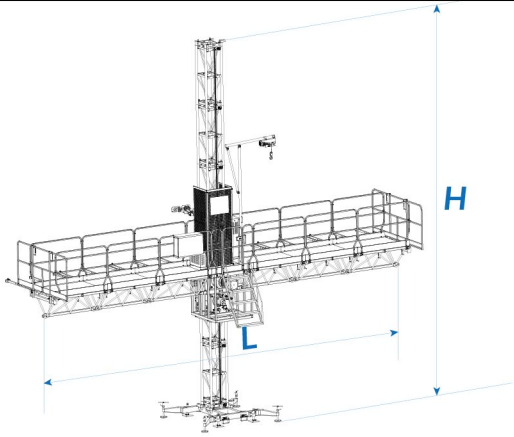
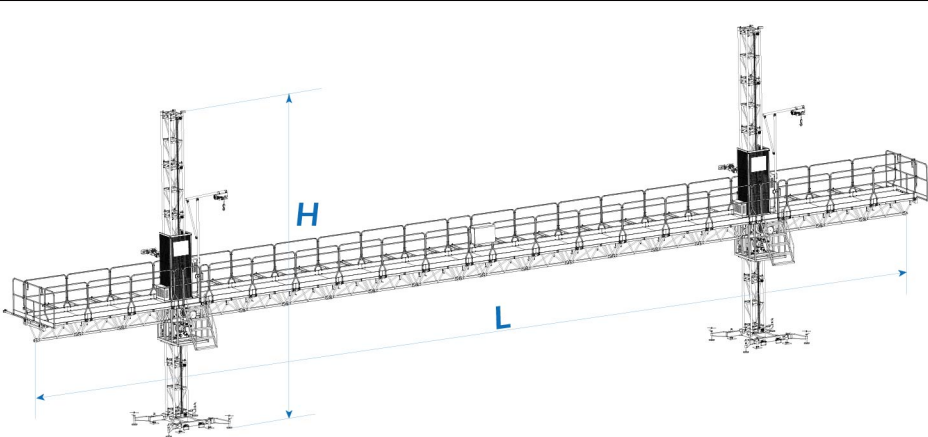
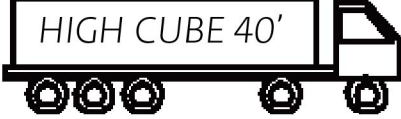
PACKING LIST

POWERSTON

MC 650

DESCRIPTION		L (mm)	W (mm)	H (mm)	W (kg)
Drive unit		1800	1560	2250	1156
Access ladder		850	1030	1500	37.4
Telescopic lateral guard-rail		2400	116.5	1313.5	38.2
Electric control cupboard		960	275	510	48
1.5 m deck module		1200	1500	640	142
0,8 m deck module		1200	800	640	78.3
1,5m Guard-rail		1498	45	1200	11.5
0,8 Guard-rail		798	45	1200	7.9
650 Mast section		650	650	1508	125
Mast tie		Max 3200	Max 1150	110	115

TRANSPORT CONFIGURATION

	
1x  L=12m H=50m	1x  L=32.2m H=12m

Transport by container