

Product catalogues



POWERSTON



Loading platforms



Construction hoists



*Industrial
hoists*



*Material
hoists*



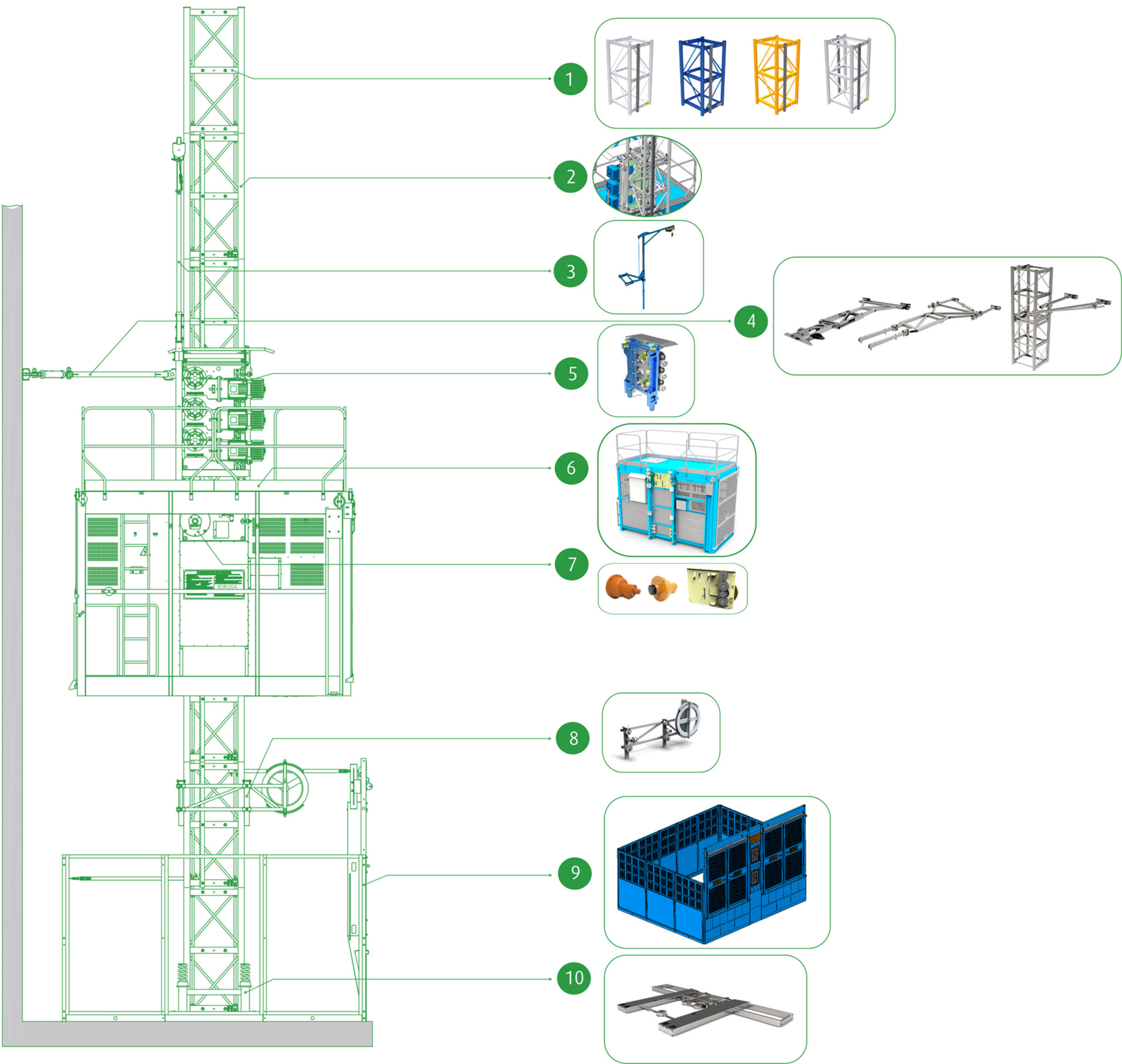
Work platforms

**SAFETY
EFFICIENT
ECONOMIAL
INNOVATION**

**LOADING PLATFORMS
CONSTRUCTION HOISTS
INDUSTRIAL HOISTS
MATERIAL HOISTS
WORK PLATFORMS**

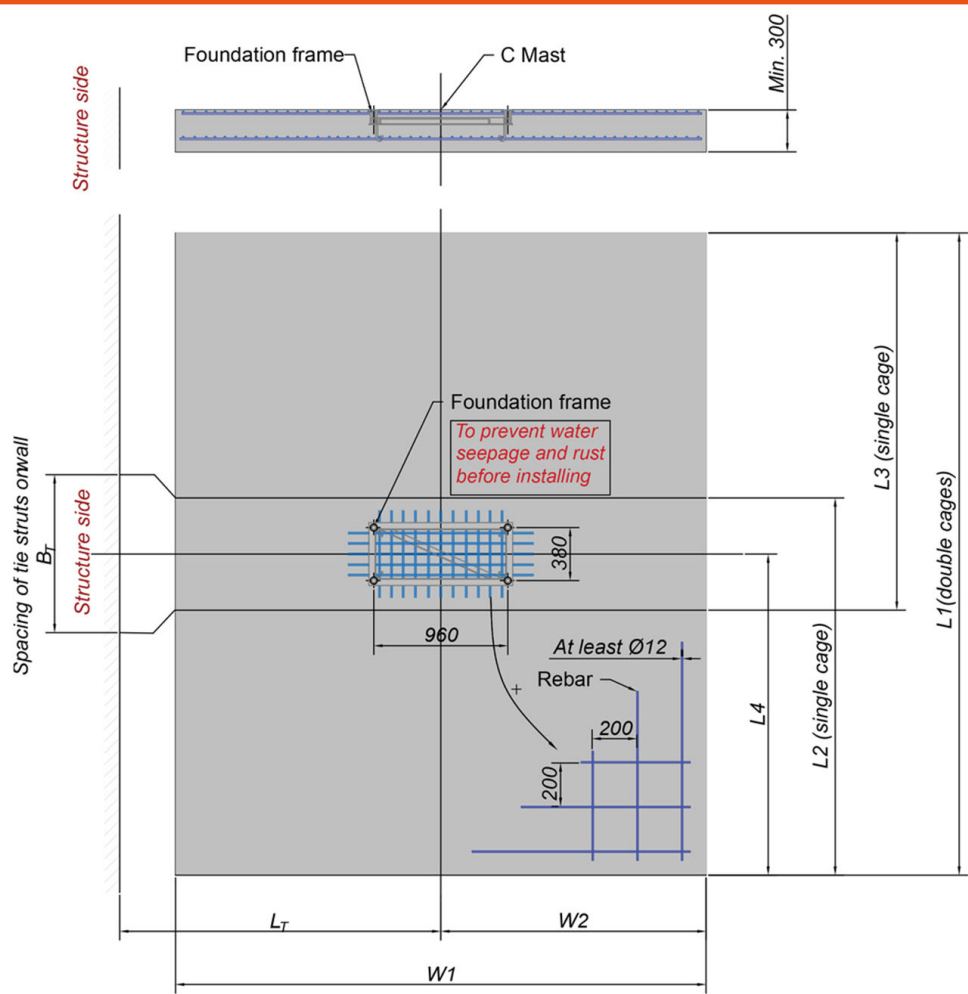
SC SERIES CONSTRUCTION HOISTSPOWERSTON

SC Series construction hoists are the one of domestically leading technology that well designed and manufactured by POWERSTON, and your best choice for efficient construction logistics. Since the launch in 2011, close to 800 SC Series construction hoists have been delivered. The modular system offers flexibility, efficiency, safety, productivity, low energy consumption and low cost of ownership, making it the ultimate choice for both construction and rental companies.



SC Series Construction Hoists Sketch

- | | | |
|-----------------|--------------------------------|---------------------------|
| 1 MAST | 2 DERAILMENT PREVENTION DEVICE | 3 ELECTRIC LIFTING DEVICE |
| 4 MAST-TIE | 5 DRIVING SYSTEM | 6 CAGE |
| 7 SAFETY DEVICE | 8 CABLE TROLLY | 9 ENCLOSURE |
| 10 BASE FRAME | | |



- Concrete foundation with steel grid, is placed in top and bottom layers. The steel angle of embedded frame is wedged to the top layer of teal grid, while the hook of embedd frame hooks up the bottom layer of steel grid.
- The earth endurance shall satisfy as below
When tower eight < 100m, the earth bearing capacity > 0.1MPa
When 100m < tower height < 300m, the earth bearing capacity > 0.15MPa
When 300m < tower height < 500m, the earth bearing capacity > 0.2MPa
- The cement used in concrete foundation shall apply concrete >C30
- The surface of concrete foundation shall be even with horizontal deviation not more than 1mm/m
- In case of the surface of the concrete foundation lower the ground level, water says (drains) shall be equipped around the foundation.

Mast - tie	Distance from foundation center to building wall L_T (mm)	Spacing of tie struts on wall B_T (mm)
Type A	2800~3200	1550
Type B	3000~3600	1750
Type C	2800~3200	2000

Technical Data
(DOL control type)



Cages colour with customer's requirement



Designation Series	SC100	SC100/100	SC150	SC150/150	SC200	SC200/200	SC200E	SC200/200E	Note
Rate load (kg)	1000/12person	2×1000/12person	1500/18person	2×1500/18person	2000/24person	2×2000/24person	2000/24person	2×2000/ 24person	
Erecting payload (kg)	800	2x800	900	2x900	1000	2x1000	1000	2x1000	
Rated speed (m/min)	30	30	36	36	36	36	36	36	
Reduction ratio	1:16	1:16	1:16	1:16	1:16	1:16	1:16	1:16	
Max.lifting height(m)	150	150	250	250	250	250	250	250	
Cage size(L x W x H)(m)	3.0×1.3×2.5	3.0×1.3×2.5	3.2×1.4×2.5	3.2×1.4×2.5	3.2×1.5×2.5	3.2×1.5×2.5	3.2×1.5×2.5	3.2×1.5×2.5	
Power supply (V)	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz	
Motor power (kW)	2×11	2×2×11	2×13	2×2×13	3×11	2×2×11	2×13	2×2×13	
Rated current (A)	2×24	2×2×24	2×27	2×2×27	3×24	3×2×24	2×27	2×2×27	JC=25%
Power capacity (KVA)	34	2×34	42	2×42	49	2×49	42	2×42	
Mast section	Wall thickness of corner bar(chord member)(mm)		Weight of mast section(kg)				Dimension of mast section(m)		
	T=4.5		142				0.65×0.65×1.508		
	T=6.0		160						
	T=8.0		180						
	T=10.0		195						
Cage weight (incl. driving system)(kg)	1750	2×1750	1820	2×1820	1950	2×1950	1950	2×1950	
Safety device type	SAJ30 - 1.2	SAJ30 - 1.2	SAJ40 - 1.2	SAJ40 - 1.2	SAJ40 - 1.2	SAJ40 - 1.2	SAJ40 - 1.2	SAJ40 - 1.2	

Technical Data(Frequency Control type) POWERSTON

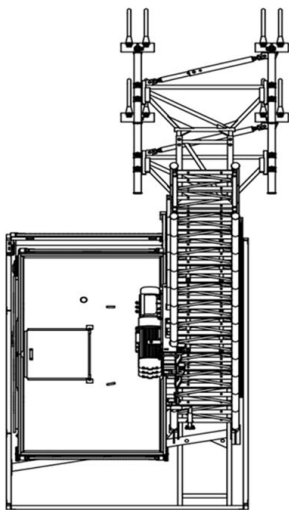
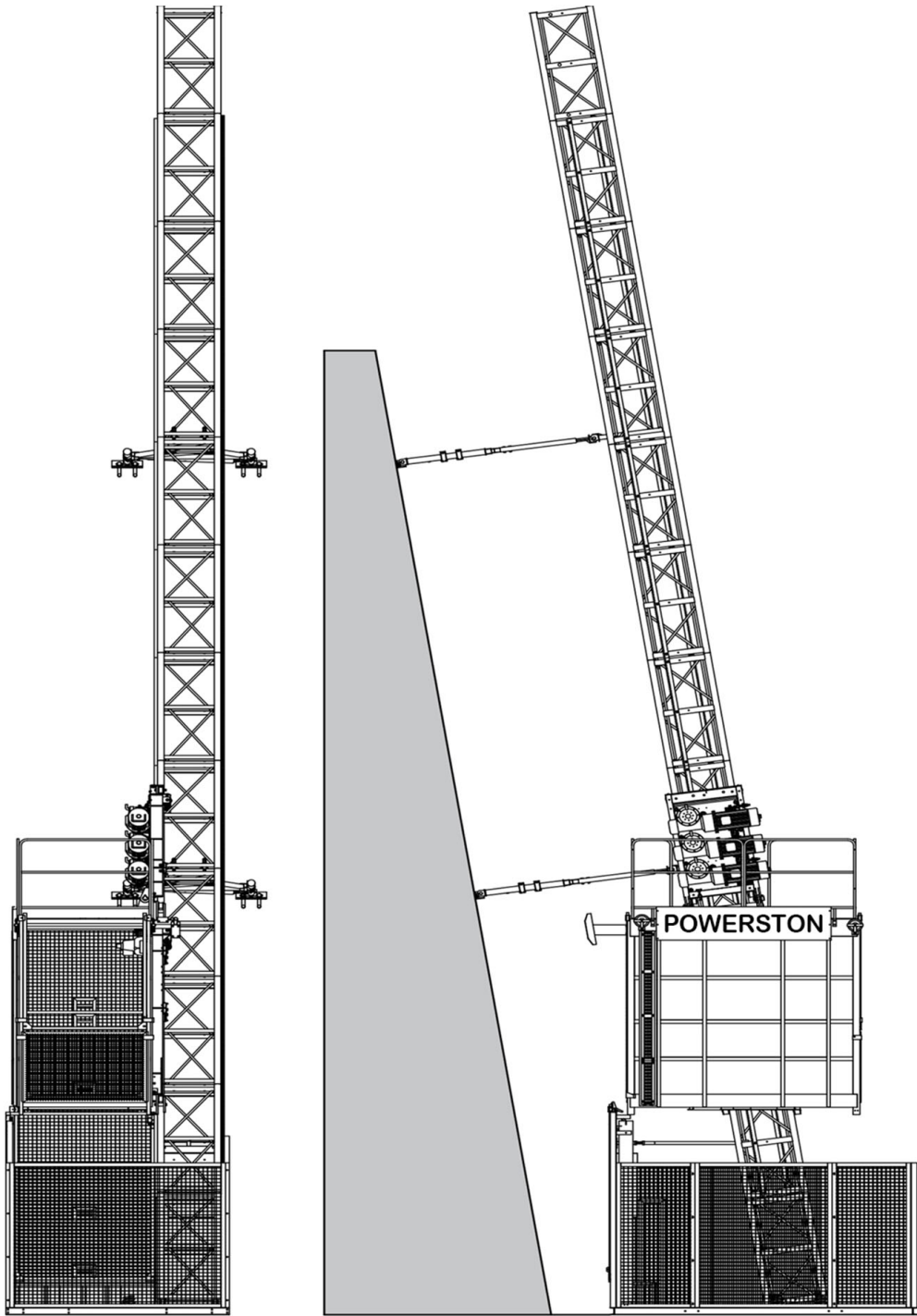
Main Advantage:

- Compact design and comfortable operation environment
- Single and dual cage configurations、interchangeable
- Design without counterweight
- Multiple choices of doors
- Simple and easy operation system
- PLC control as an option
- Durable material: high quality steel for increased strength and weight reduction, hot dip galvanized mast section and tie-in
- Wide range of tie-in
- Wide range of optional equipment and functions



Designation Series	SC150	SC150/150	SC200	SC200/200	SC270	SC270/270	SC320	SC320/320	Note
Rate load (kg)	1500/18person	2×1500/18person	2000/24person	2×2000/24person	2700/28person	2×2700/28person	3200/28person	2×3200/ 28person	
Erecting payload (kg)	900	2×900	1000	2×1000	1200	2×1200	1300	2×1300	
Rated speed (m/min)	0~40	0~40	0~55	0~55	0~63	0~63	0~96	0~96	
Reduction ratio	1:16	1:16	1:14	1:14	1:10	1:10	1:8	1:8	
Max.lifting height(m)	150	150	250	250	450	450	450	450	
Cage size(L x W x H)(m)	3.0×1.3×2.5	3.0×1.3×2.5	3.2×1.4×2.5	3.2×1.4×2.5	3.2×1.5×2.5	3.2×1.5×2.5	3.2×1.5×2.5	3.2×1.5×2.5	
Power supply (V)	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz	
Motor power (kW)	2×12	2×2×12	3×13	2×3×13	3×18.5	2×3×18.5	3×22	2×3×22	
Rated current (A)	2×28	2×2×28	3×34	2×3×34	3×38.5	3×2×38.5	3×43	2×3×43	JC=25%
Power capacity (KVA)	42	2×42	49	2×49	55	2×55	63	2×63	
Mast section	Wall thickness of corner bar(chord member)(mm)		Weight of mast section(kg)				Dimension of mast section(m)		
	T=4.5		142				0.65×0.65×1.508		
	T=6.0		160						
	T=8.0		180						
	T=10.0		195						
Cage weight (incl. driving system)(kg)	1750	2×1750	1820	2×1820	2250	2×2250	2350	2×2350	
Safety device type	SAJ40 - 1.2	SAJ40 - 1.2	SAJ40 - 1.2	SAJ40 - 1.2	SAJ60 - 2.0	SAJ60 - 2.0	SAJ70 - 2.0	SAJ70 - 2.0	

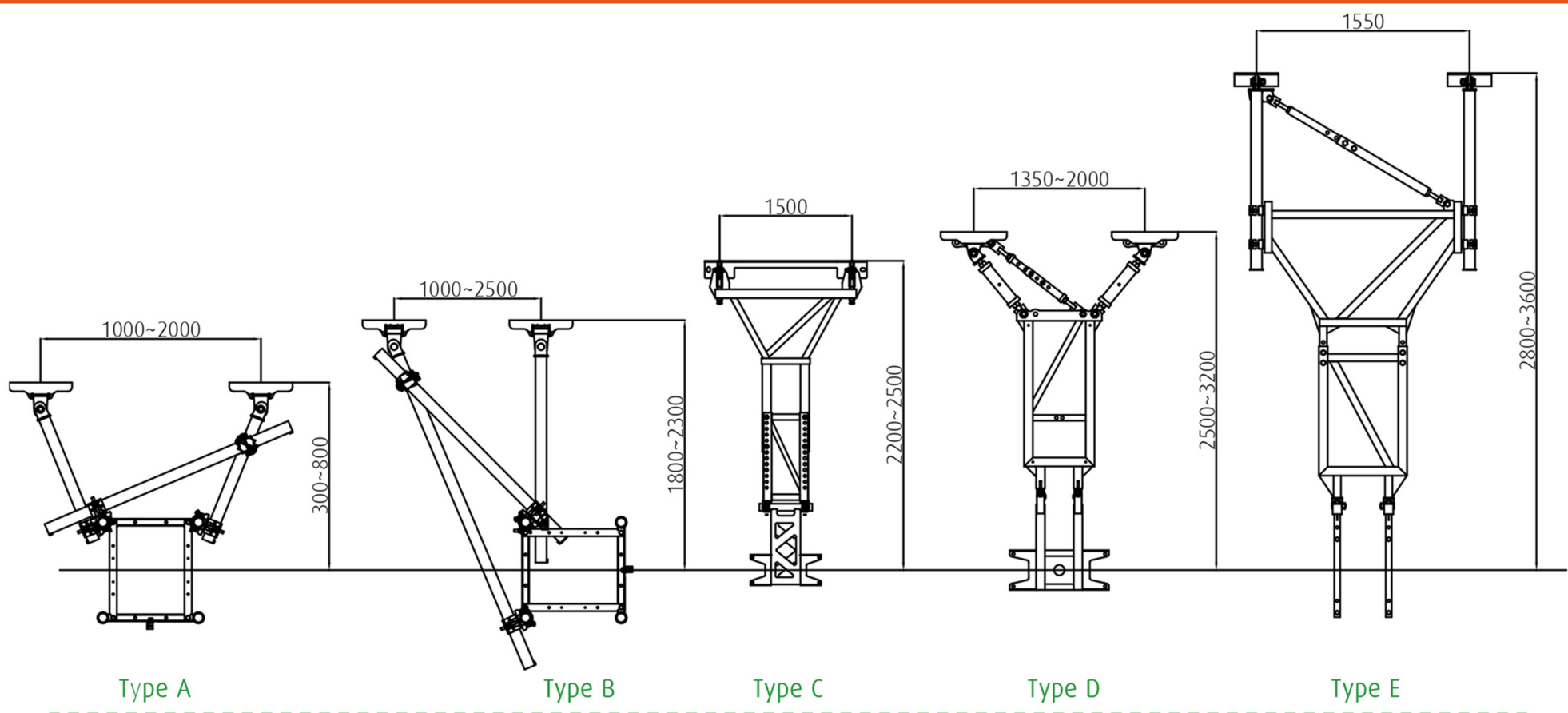




Designation Series	SCQ150	SCQ150/150	SCQ200	SCQ200/200
Rate load (kg)	1500/18person	2×1500/18person	2000/24person	2×2000/24person
Erecting payload (kg)	900	2×900	1000	2×1000
Rated speed (m/min)	0~40	0~40	0~55	0~55
Reduction ratio	1:16	1:16	1:14	1:14
Max.lifting height(m)	150	150	250	250
Cage size(L x W x H)(m)	3.0×1.3×2.5	3.0×1.3×2.5	3.2×1.4×2.5	3.2×1.4×2.5
Power supply (V)	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz	380V,50Hz or 60Hz
Motor power (kW)	2×12	2×2×12	3×13	2×3×13
Rated current (A)	2×28	2×2×28	3×34	2×3×34
Power capacity (KVA)	42	2×42	49	2×49
Mast section	Wall thickness of corner bar(chord member)(mm)			Weight of mast section(kg)
	T=4.5			142
	T=6.0			160
	T=8.0			180
	T=10.0			195
Cage weight (incl. driving system)(kg)	1750	2×1750	1820	2×1820
Safety device type	SAJ40 - 1.2	SAJ40 - 1.2	SAJ40 - 1.2	SAJ40 - 1.2

MAX. TIE-IN INTERVAL AND
MAX.CANTILEVER HRIGHT

POWERSTON

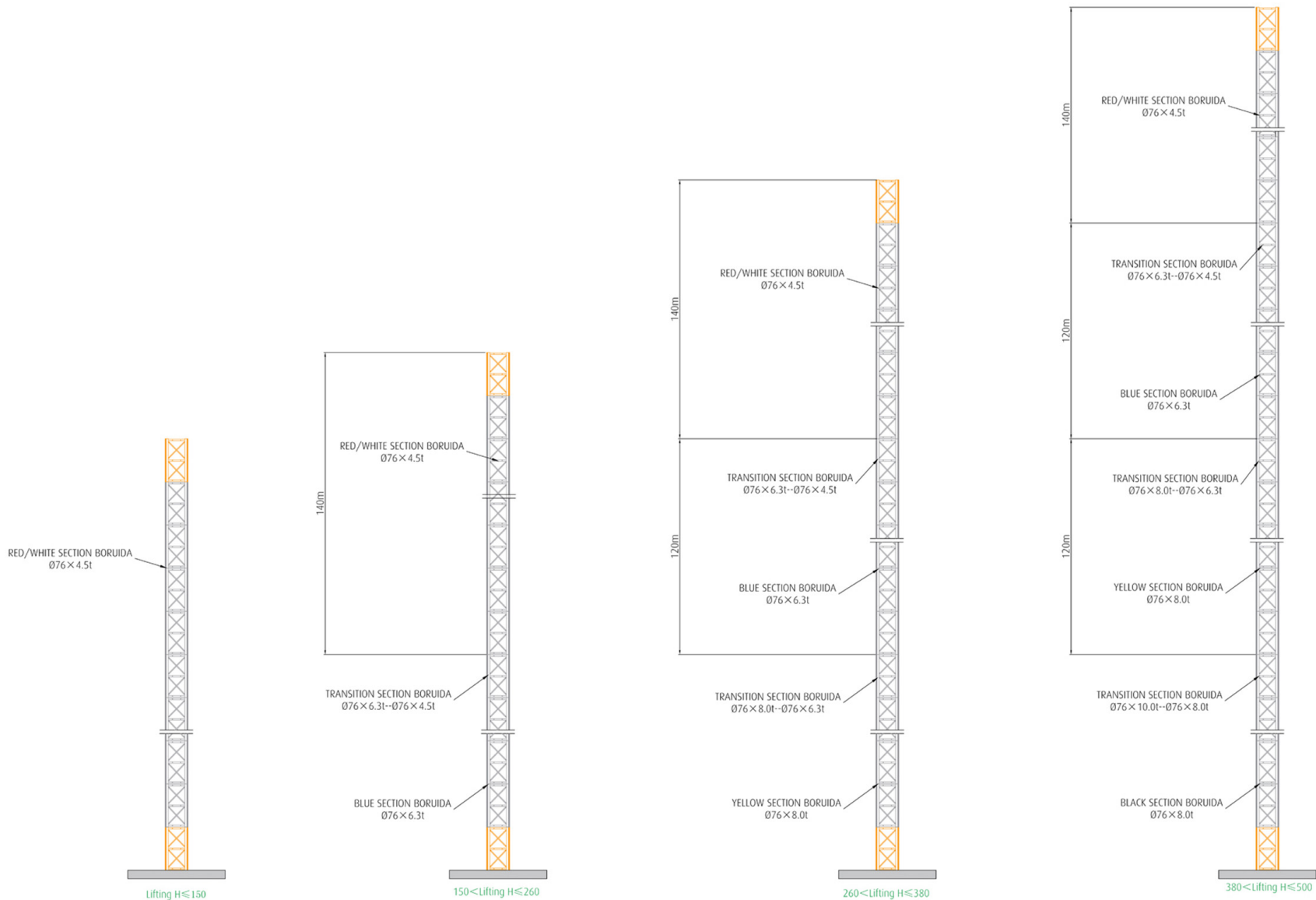


Mast - tie are recommended for its wide application

Technical Data
(DOL control type)



Dimension of mast section	No.of mast section	Erecting height	150m	260m	380m	500m
	76 x 4.5 mm		100	93	93	93
	76 x 6.0 mm		0	80	80	80
	76 x 8.0 mm		0	0	79	80
	76 x 10.0 mm		0	0	0	79
Total of mast sections			100	173	252	332

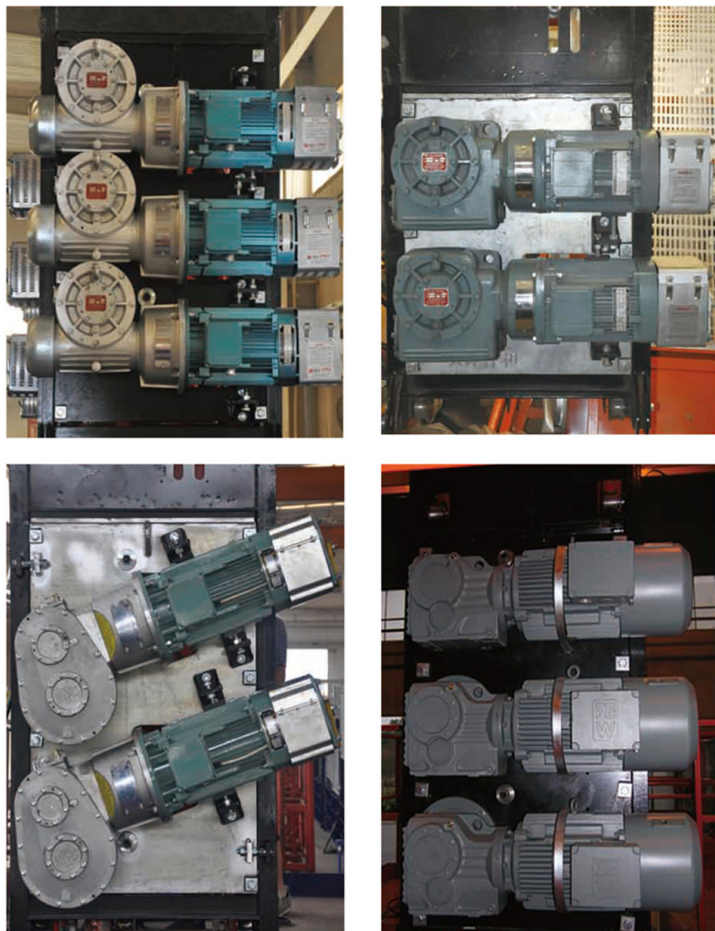


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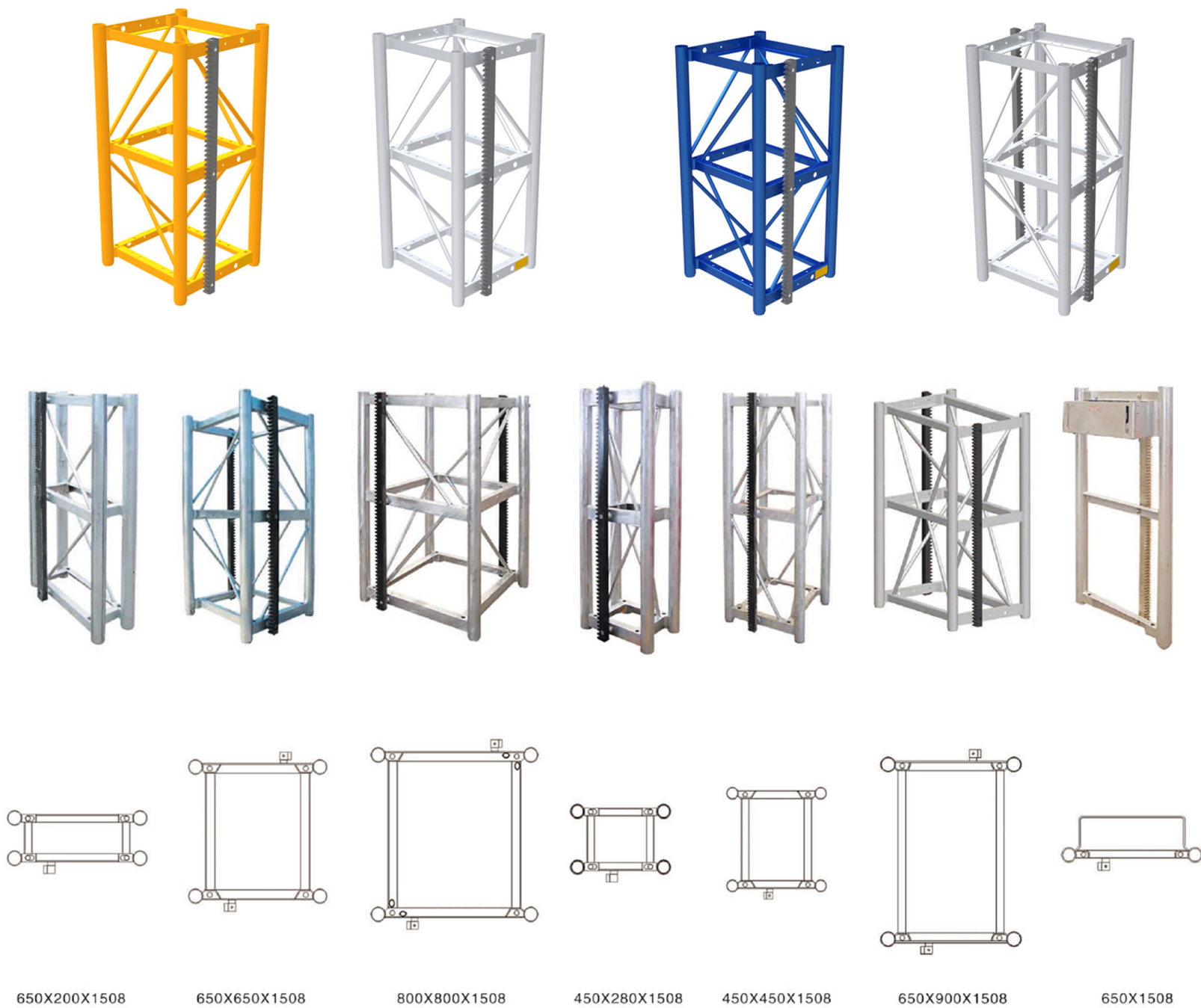
DRIVING SYSTEM



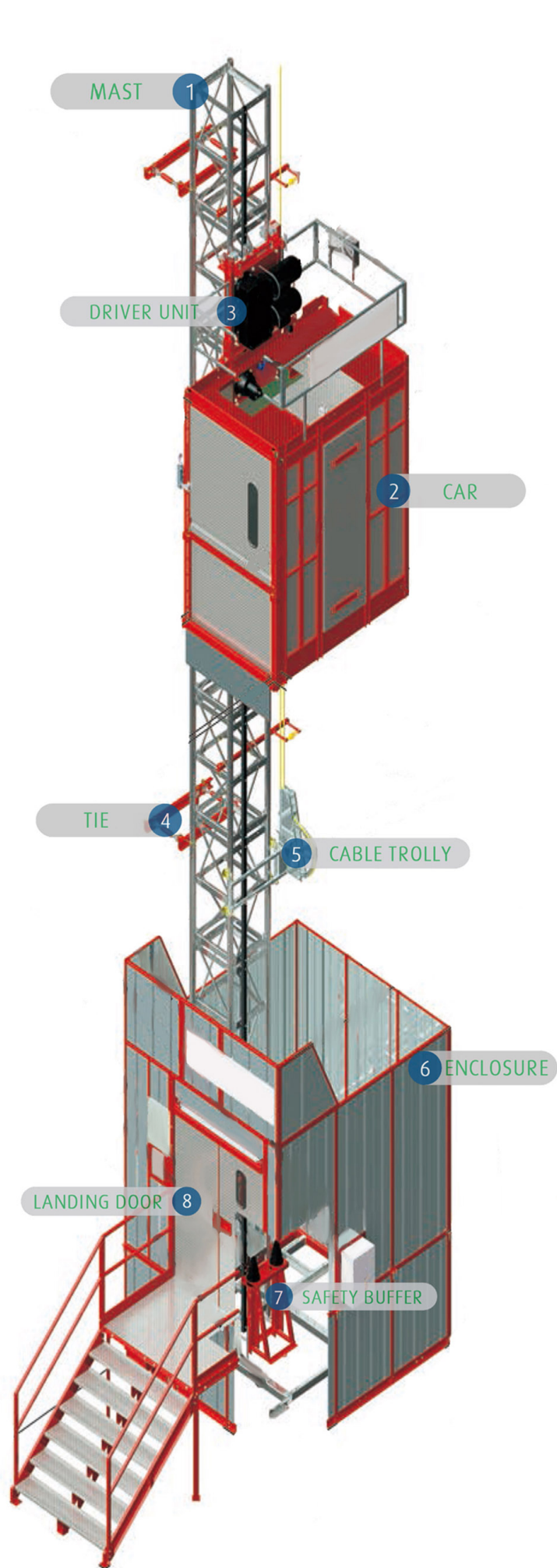
CAGE



MAST



POWERSTON industrial hoists are used in all kinds of industries. With these elevators, customers are better able to access, monitor and service key processes in their plants. Developed to withstand the extreme conditions of the world's most hostile environments, Alimak industrial elevators have proven invaluable in many industries including Oil & Gas, Metals & Steel, Ports & Shipyards, Cement and Power industries.



Parameter Rated	CH300	CH500	CH750
loading capacity (kg)	300	500	750
Rated lifting speed(m/min)	0~40	0~40	0~40
Rated passenger number	12	18	24
Max. lifting height(m)	150	200	200
Engine power(kW)	1×5	2×5	2×7.5
Car inner dimension(L×W×H)(m)	1×0.8×2.2	1.2×0.8×2.2	1.5×1×2.2
Car weight (kg)	527	595	689
Mast section weight(kg)	55	55	125
Mast section dimension (mm)	450×1508	450×1508	450×450×1508
Safety device type	SAJ30-1.2	SAJ30-1.2	SAJ30-1.2
Hanger rated lifting capacity(kg)	125	125	125
Rack module	5	5	5

Industrial Hoists Sketch