



Product Portfolio

- Construction Equipments
- Infrastructure Equipments
- CNC Rebar Processing Machines

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2025 EDITION



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The Everest

ABOUT US

An organization that comprises of qualified and experienced engineering professionals with over 40 years of exposure. Equipped with immense expertise in our domain, we are able to handle many tailor-made projects in India. Our dexterous team has enabled us to successfully offer a complete range of vertical lifting solutions. We are India's only CRISIL-rated service provider

We strive to provide high-quality products, timely service support, and spare parts to attain total customer satisfaction. Our aim is to provide advanced technologies, proper training to all customers and their employees, follow the highest safety standards, and avoid accidents. We emphasize on proper evaluation of machine performance & quality through customer feedback.

OUR JOURNEY SO FAR

With the establishment of the firm in 2012, we have come a long way. Since our first machine sold in May 2012, we have sold 700+ machines in India to date. The quality of the machinery that we provide and the strong support the customers can get from our service team is the main reason why even an ex-tower crane manufacturer bought our tower cranes. M/s. B G Shirke was the largest manufacturer of tower cranes in India for 25 years and has purchased 335 tower cranes from us in 10 years. The level of trust that the Indian market has in Everest has resulted in closing 7 out of the TOP 10 tower crane orders in India. We started an R&D center in 2021 to produce high-quality construction equipment in India.

Post the Covid-19 pandemic, Everest has signed with GJJ USA LLC to be their joint venture partners for manufacturing GJJ-EEE passenger-cum-material hoists in India for the Indian market and exports.

RENTAL DIVISION

Everest ventured into the rental business of Passenger Hoists and Anti-Collision Devices in 2020. In just 5 short years, the company has rapidly grown its fleet to over 70 units, establishing itself as a trusted name in vertical mobility solutions. With a strong service team and high-quality machinery from GJJ, Everest has rightfully gained momentum among the top contractors of India.

OUR PROGRESS RATING

Everest received its first CRISIL rating of SE-3B in 2014 and, within just five years, achieved a CRISIL rating of MSE-3* for high operational performance. This is a testament to our consistent growth and reliability. Today, Everest stands as the only CRISIL-rated company in India offering construction equipment services. In pursuit of excellence, we adopted the implementation of the ISO framework from TÜV Austria. The continuous review of each and every process led us to become a well-organized firm with the ability to monitor and achieve desired outputs. Our commitment to efficiency and quality earned us the BEST MSME INDIA 5000 Award in February 2020.

700+
Machines
Sold in India

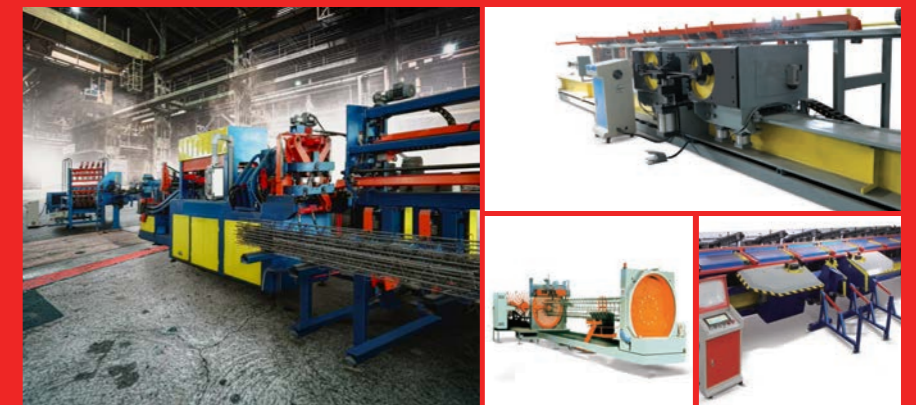


**Made In India,
For The World**

Construction Equipments



CNC Rebar Processing Machines



Infrastructure Equipments





Construction Equipments

Passenger
Hoist

Rope Suspended
Platform

Tower
Cranes

Anti-Collision Devices
For Tower Cranes



Passenger Hoist



Twin Cage Hoist

Description	Unit	Specification			
Pay Load	Kg	2000			
Speeding Code		F	S	G	GG
Speed with Full Load	M/Min	46	63	96	120
VFD Rating	KW	45	75	110	150
Motor	KW	2x11	3x11	3x18.5	3x22
Standard Cage Size	LxWxH in (m)	3.2 x 1.5 x 2.35*			

*Other sizes available as per site requirements



Single Cage Hoist

Rope Suspended Platform

ESRP 800

- Model : ESRP 800 (Hot dip galvanized / Aluminum alloy)
- Cradle size : 7500 x 690 x 1180mm (Pin type connections)
- Cradle Configuration : 2.5m x 2 + 1.5m x 1 + 1m x 1
- Lifting speed : 8~10 m/min
- Lifting height : 250m
- Hoisting : 1.8kW x 2, 415V / 50Hz, 15Nm braking.
- Front beam over hang : 1.3~1.5m Adjustable
- Support height : 1.44~2.14m Adjustable
- Galvanized wire ropes
- Nylon Safety rope
- Overload device with load cells & display
- Anti-tilting device with limit switches
- Anti-Swing



ESRP 800

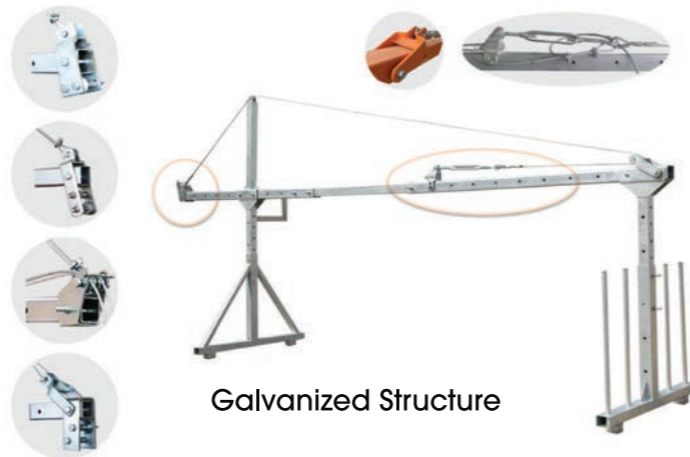


Standard Suspension Mechanism

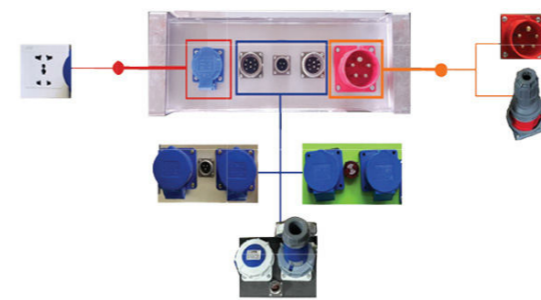


HOIST

- Model : LDT 800
- Mechanism : YEJ100L-4
- Rated Lifting : 800 Kg
- Lifting Speed : 8 - 10 m/min
- Power : 1.8 KW X 2
- Breaking Moment : 15 N.m



Galvanized Structure



Control Panel
Galvanized with cover



SAFETY LOCK

- Model : LSB 30
- Type : Anti-tilting types
- Allowable force : 30kN
- Cable Locking Distance : <100mm
- Cable Locking Angle : 3~8 Degrees



Concrete Weights



Wire Rope
(Galvanized)
9.1mm Diameter



Cable
3*2.5 + 2*1.5mm²
Copper



Overload Device
with load cells



Safety Rope
Nylon



Wall Roller



Cradle Wheel
with brake

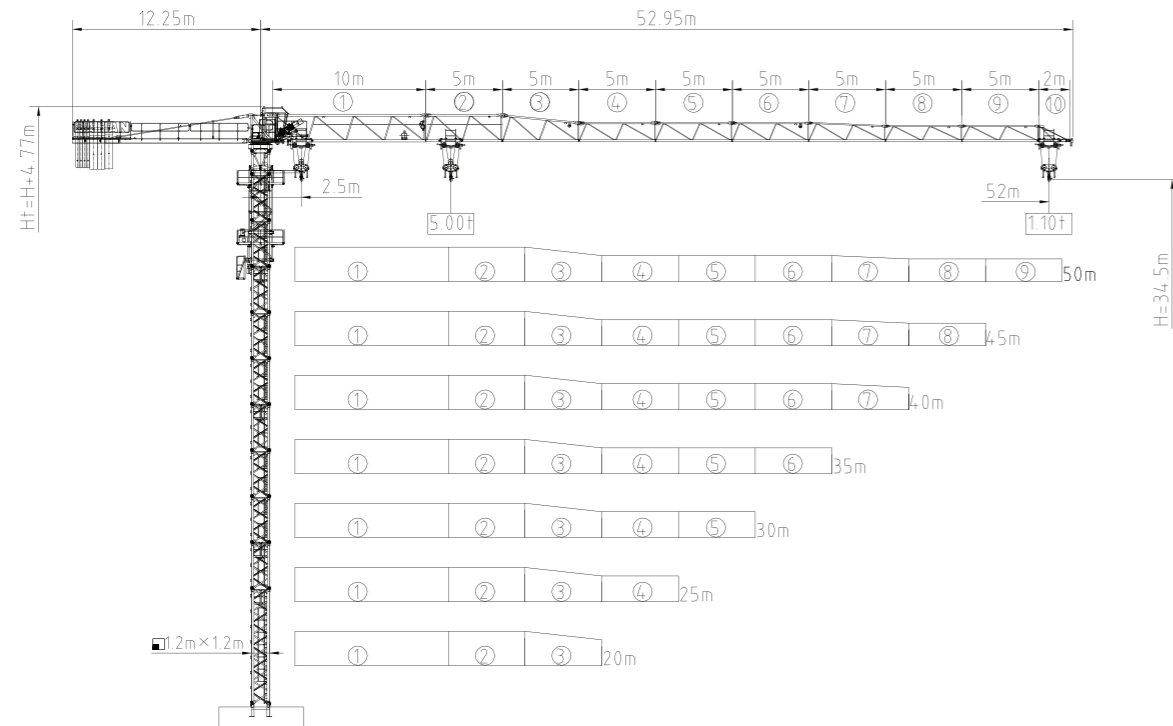


Tower Cranes

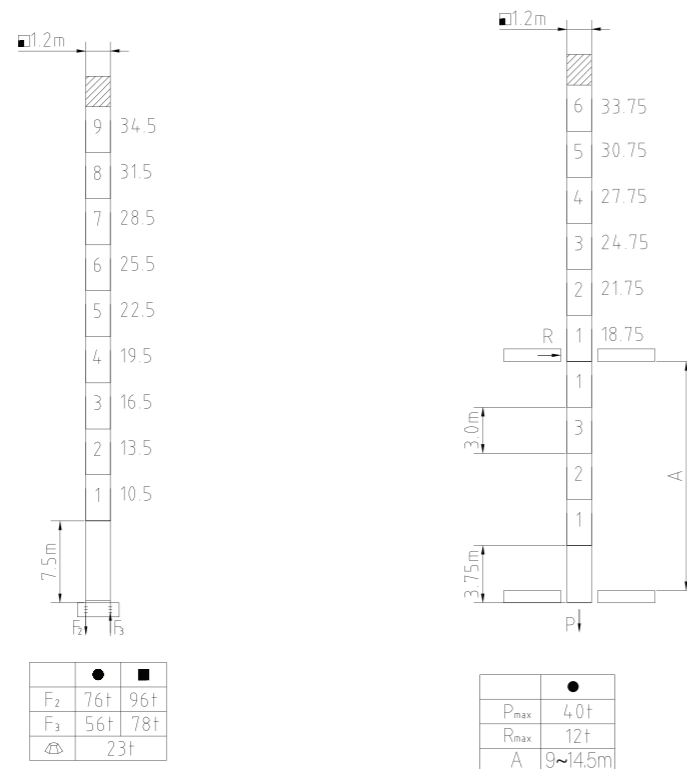


EFTC 5211-5

Outline Dimensions



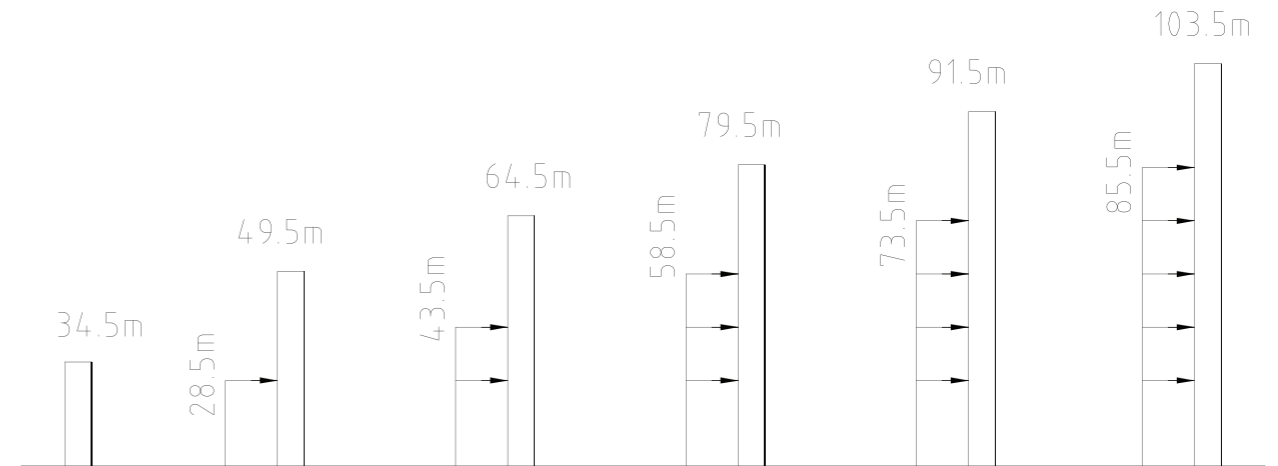
Mast



- In service Reaction ■ Out of service Reaction
- ⚖ Total weight of free standing crane (excluding counter weight & ballast)

EFTC 5211-5

Anchorage



Load Diagrams

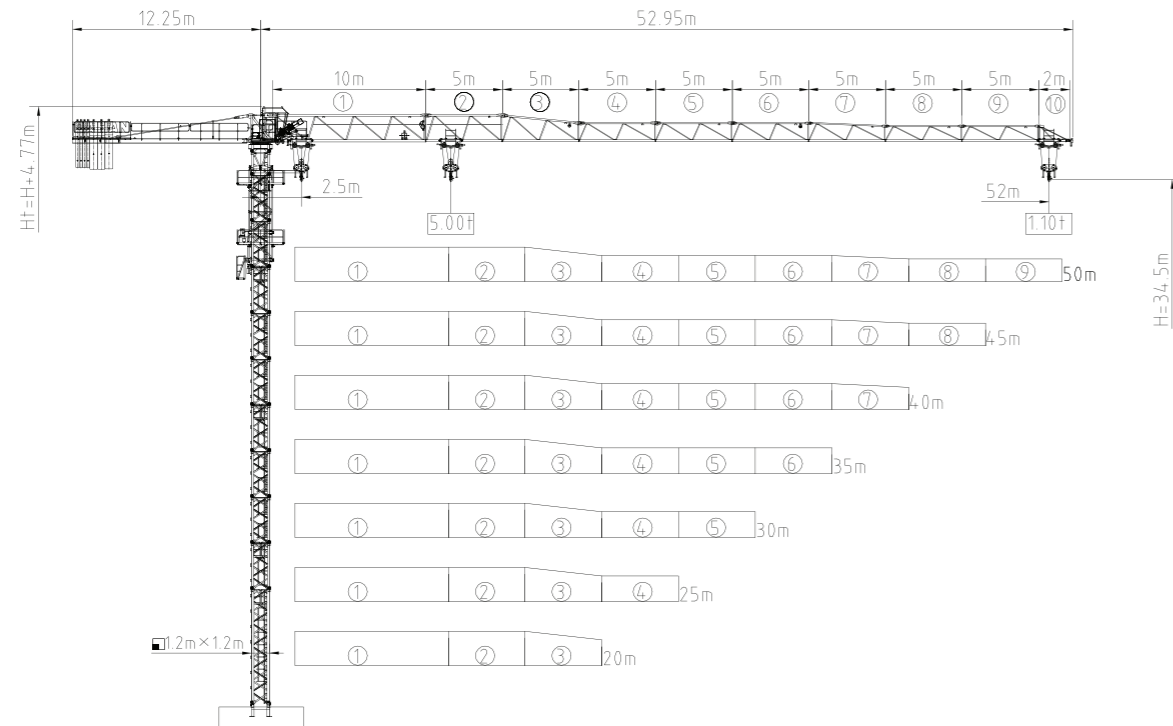
R _{min}	Fall	R(min/max)	15	17	20	22	25	27	30	31	32	35	40	45	50	52
52m	⚖	2.5-13.7	4.53	3.95	3.30	2.97	2.56	2.34	2.07	1.99	1.92	1.72	1.46	1.25	1.09	1.03
	⚖	2.5-26.2	2.50	2.50	2.50	2.50	2.50	2.41	2.14	2.06	1.99	1.79	1.53	1.32	1.16	1.10
50m	⚖	2.5-16.0	5.0	4.68	3.92	3.53	3.06	2.80	2.48	2.39	2.30	2.07	1.76	1.52	1.33	
	⚖	2.5-30.6	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.46	2.37	2.14	1.83	1.59	1.40	
45m	⚖	2.5-16.5	5.0	4.84	4.05	3.65	3.16	2.90	2.57	2.47	2.38	2.15	1.83	1.58		
	⚖	2.5-31.4	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.45	2.22	1.90	1.65		
40m	⚖	2.5-16.5	5.0	4.84	4.05	3.65	3.16	2.90	2.57	2.48	2.39	2.15	1.83			
	⚖	2.5-31.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.46	2.22	1.90			
35m	⚖	2.5-16.5	5.0	4.97	4.17	3.75	3.26	2.99	2.65	2.55	2.46	2.22				
	⚖	2.5-31.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.45	2.37	2.29				
30m	⚖	2.5-16.3	5.0	4.81	4.03	3.63	3.16	2.89	2.57							
	⚖	2.5-30.0	2.50	2.50	2.50	2.50	2.50	2.50	2.50							
25m	⚖	2.5-16.3	5.0	4.78	4.00	3.60	3.12									
	⚖	2.5-20.0	2.50	2.50	2.50	2.50	2.50									
20m	⚖	2.5-16.3	5.0	4.76	3.95											
	⚖	2.5-20.0	2.50	2.50	2.50											

Mechanisms

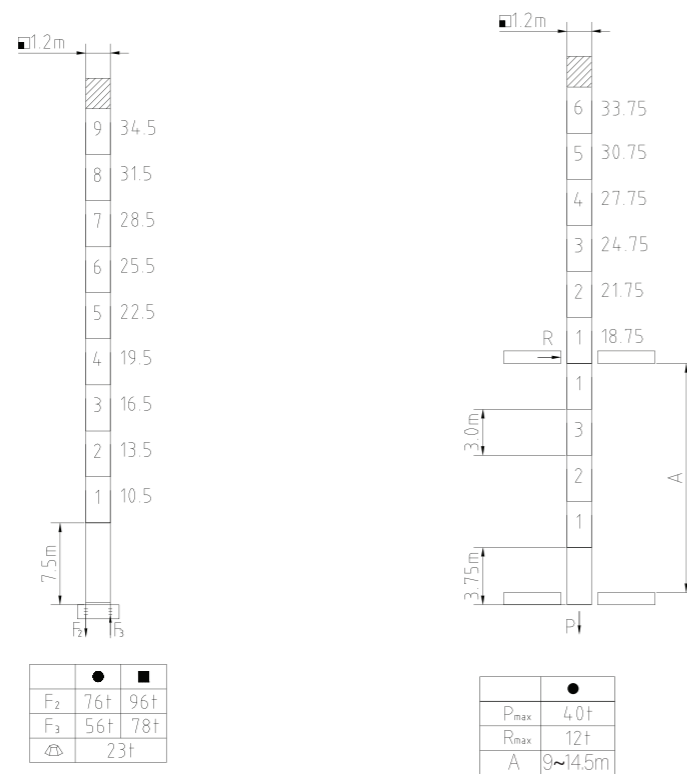
Name		⚖		⚖		⚙	Motor power kW
		m/min	t	m/min	t	m	
Hoisting	D18PFC13D	0-70	1.1	0-17.5	5.0	380	18.5
Trolleying	BP4030X	0-4.0 m/min					3.0
Slewing	RVF5.5	0-0.6 rpm					5.5
Power	380~415V/50Hz						Total Power 27kW

EFTC 5211A-5

Outline Dimensions



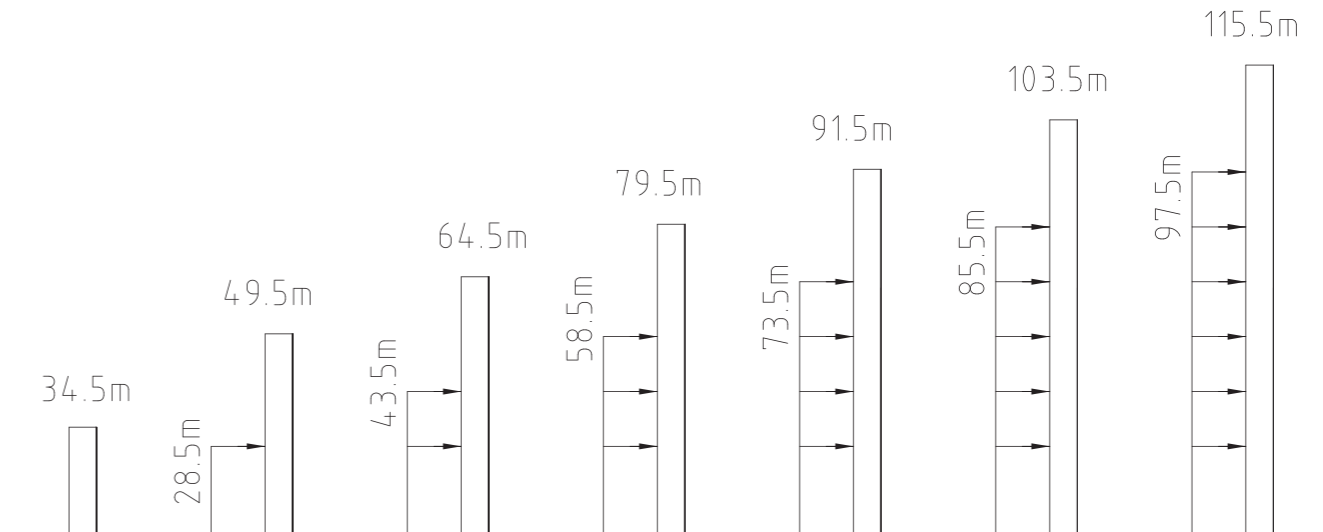
Mast



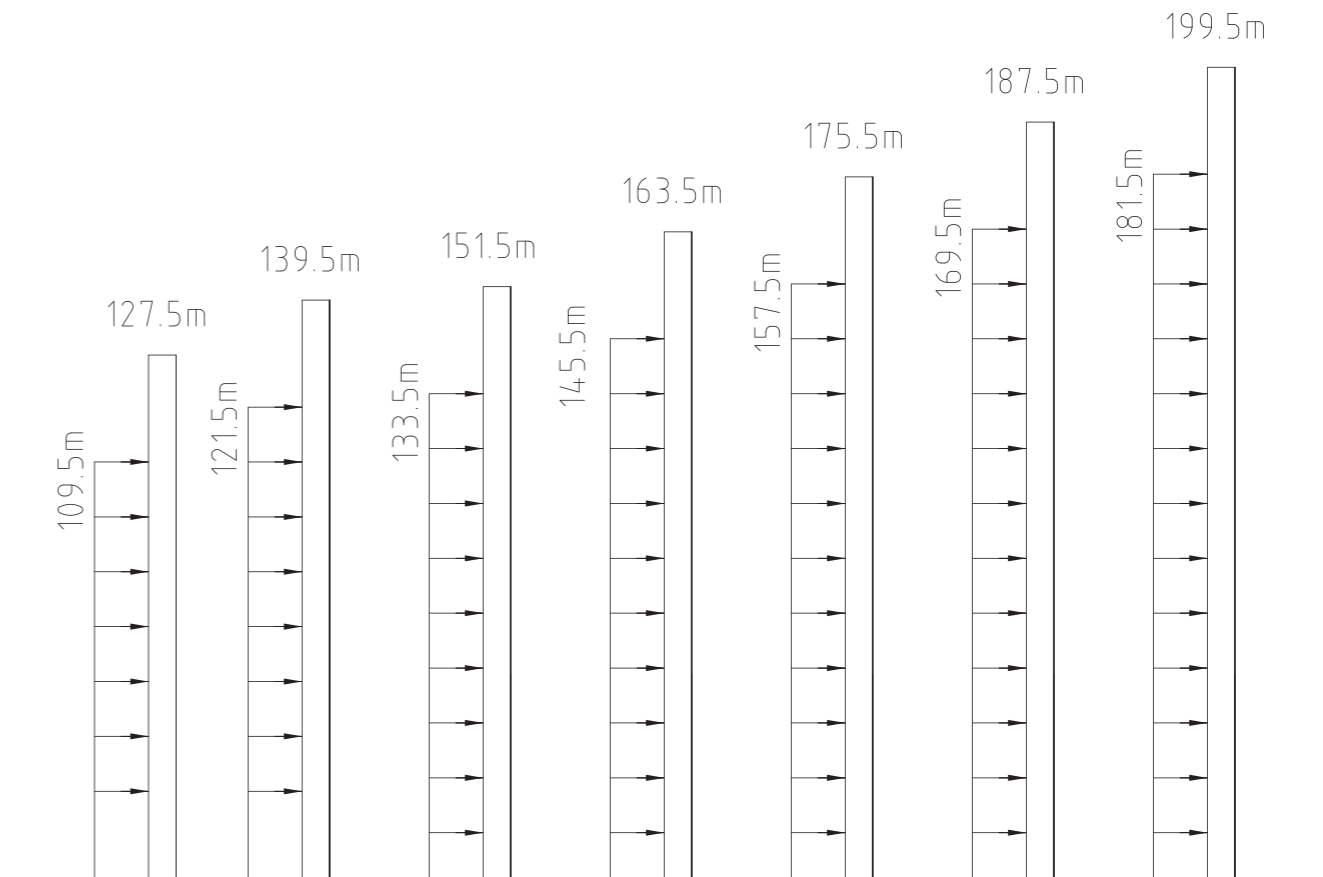
- In service Reaction
- Out of service Reaction
- ⚖ Total weight of free standing crane (excluding Counter weight & ballast)

EFTC 5211A-5

Anchorage



Anchorage



EFTC 5211A-5

Load Radius Chart

R _m	Fall	R(min/max)	15	17	20	22	25	27	30	31	32	35	40	45	50
50m		2.5~16.8	5.0	4.94	4.14	3.73	3.24	2.97	2.63	2.54	2.45	2.20	1.88	1.63	1.43
		2.5~32.1	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.27	1.95	1.70	1.50
45m		2.5~16.8	5.0	4.94	4.14	3.73	3.24	2.97	2.63	2.54	2.45	2.20	1.88	1.63	
		2.5~32.1	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.27	1.95	1.70	
40m		2.5~16.8	5.0	4.94	4.14	3.73	3.24	2.97	2.63	2.54	2.45	2.20	1.88		
		2.5~32.1	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.27	1.95		
35m		2.5~16.9	5.0	4.97	4.17	3.75	3.26	2.99	2.65	2.55	2.46	2.22			
		2.5~32.3	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.45	2.37	2.29			
30m		2.5~16.3	5.0	4.81	4.03	3.63	3.16	2.89	2.57						
		2.5~30.0	2.50	2.50	2.50	2.50	2.50	2.50	2.50						
25m		2.5~16.3	5.0	4.78	4.00	3.60	3.12								
		2.5~20.0	2.50	2.50	2.50	2.50	2.50								
20m		2.5~16.3	5.0	4.76	3.95										
		2.5~20.0	2.50	2.50	2.50										

Mechanisms

Mechanism							Motor Power	
		m/min	t	m/min	t	m	kW	
Hoisting	D18PFC13D	0-70	125	0-17.5	5.0	540	22	
Trolleying	BP4030X	0-40 m/min					3.0	
Slewing	RCV95	0-0.6 rpm					5.5	
Power	415V \pm 10% / 50Hz		Total Power: 30.5 kW					

EFTC 5211A-5

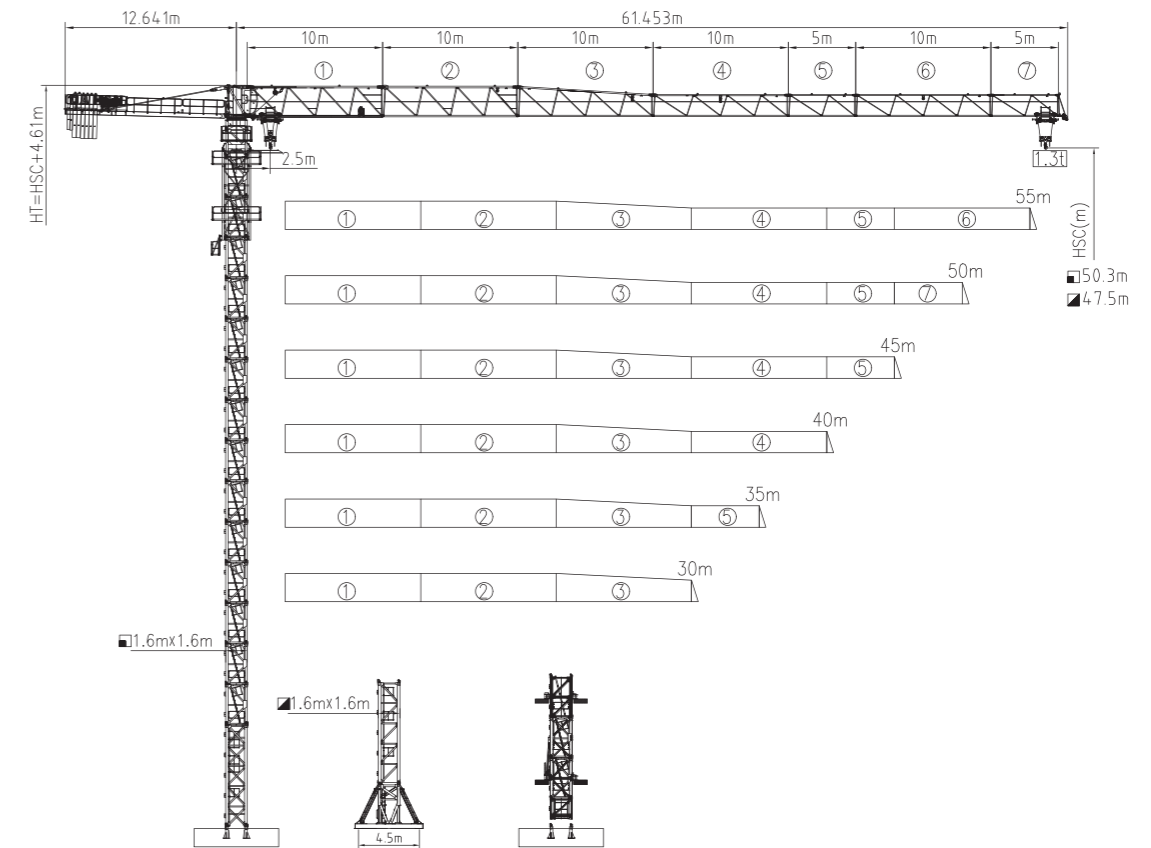
Name		L(m)	W(m)	H(m)	G(kG)
Embedded leg		0.3	0.3	1.03	88
Base section		7.7	1.26	1.29	2049
Mast section		3.2	1.26	1.29	759
Mast section		3.2	1.26	1.29	780
Climbing cage assembly		7.41	3.08	3.08	2639
Jacking section		1.7	1.61	1.53	691
Lower table assembly		1.51	1.51	0.54	873
Upper table assembly		3.86	2.71	2.47	2207
Counter jib assembly I		11.53	1.99	1.40	1711
Flat tie bar assembly		8.19	0.07	0.15	163

EFTC 5211A-5

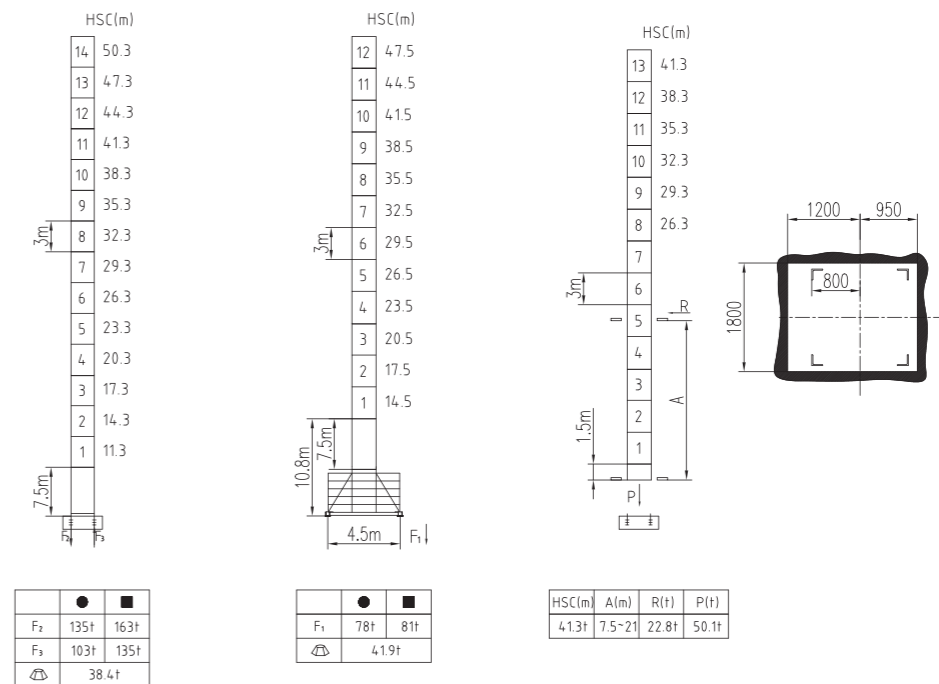
Name		L(m)	W(m)	H(m)	G(kG)
Hoisting jib 1		10.21	2.01	2.08	2177
Hoisting jib 2		5.23	0.80	1.82	592
Hoisting jib 3		5.16	0.80	1.82	553
Hoisting jib 4		5.22	0.80	1.32	493
Hoisting jib 5		5.20	0.80	1.31	414
Hoisting jib 6		5.17	0.80	1.29	349
Hoisting jib 7		5.15	0.80	1.27	299
Hoisting jib 8 and 9		5.15	0.80	1.06	252
Hoisting jib 10		2.13	0.80	1.06	115
Jib end section		0.99	0.75	0.49	59
Trolley		1.67	1.53	1.30	218
Hook		1.0	0.63	1.17	247

EFTC 6013-6/8

Outline Dimensions



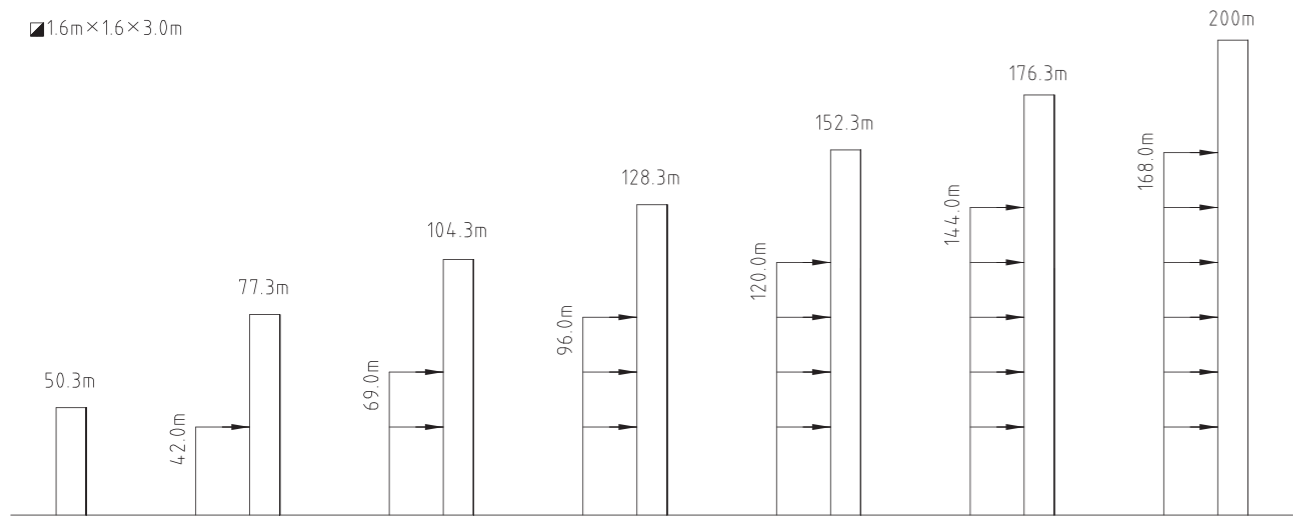
Masts



- In service Reaction
- Out of service Reaction
- ⚖ Total weight of free standing crane (excluding Counter weight & ballast)

EFTC 6013-6/8

Anchorage



Load Radius Chart 6T

R(m)	Fall	R(C _{max} /m)	C _{max} (t)	15.0	20	25	30	35	40	45	50	55	60
60m		18.0	6.0	6.0	5.35	4.11	3.29	2.70	2.26	1.92	1.64	1.42	1.23
		33.0	3.0	3.0	3.0	3.0	3.0	2.77	2.33	1.99	1.71	1.49	1.30
55m		19.8	6.0	6.0	5.96	4.60	3.69	3.04	2.56	2.18	1.88	1.63	
		36.0	3.0	3.0	3.0	3.0	3.0	3.0	2.63	2.25	1.95	1.70	
50m		20.0	6.0	6.0	6.0	4.65	3.75	3.10	2.61	2.23	1.93		
		36.5	3.0	3.0	3.0	3.0	3.0	3.0	2.68	2.30	2.0		
45m		20.3	6.0	6.0	6.0	4.70	3.77	3.11	2.62	2.23			
		36.7	3.0	3.0	3.0	3.0	3.0	3.0	2.69	2.30			
40m		20.4	6.0	6.0	6.0	4.71	3.78	3.12	2.63				
		36.8	3.0	3.0	3.0	3.0	3.0	3.0	2.70				
35m		20.6	6.0	6.0	6.0	4.77	3.81	3.13					
		35.0	3.0	3.0	3.0	3.0	3.0	3.0					
30m		20.7	6.0	6.0	6.0	4.78	3.83						
		30.0	3.0	3.0	3.0	3.0	3.0						

Load Radius Chart 8T

R(m)	Fall	R(C _{max} /m)	C _{max} (t)	15.0	20	25	30	35	40	45	50	55	60
60m		14.0	8.0	7.41	5.35	4.11	3.29	2.70	2.26	1.92	1.64	1.42	1.23
		26.0	4.0	4.0	4.0	4.0	3.36	2.77	2.33	1.99	1.71	1.49	1.30
55m		15.4	8.0	8.0	5.96	4.60	3.69	3.04	2.56	2.18	1.88	1.63	
		28.5	4.0	4.0	4.0	4.0	3.76	3.11	2.63	2.25	1.95	1.70	
50m		15.5	8.0	8.0	6.02	4.65	3.75	3.10	2.61	2.23	1.93		
		28.8	4.0	4.0	4.0	4.0	3.82	3.17	2.68	2.30	2.0		
45m		15.7	8.0	8.0	6.09	4.70	3.77	3.11	2.62	2.23			
		29.0	4.0	4.0	4.0	4.0	3.84	3.18	2.69	2.30			
40m		15.7	8.0	8.0	6.0	4.71	3.78	3.12	2.63				
		29.0	4.0	4.0	4.0	4.0	3.85	3.19	2.70				
35m		16.0	8.0	8.0	6.21	4.77	3.81	3.13					
		29.0	4.0	4.0	4.0	4.0	3.86	3.20					
30m		16.0	8.0	8.0	6.21	4.78	3.83						
		29.0	4.0	4.0	4.0	4.0	3.9						

EFTC 6013-6/8

Mechanisms 6T/8T

Mechanism			Hoist Drum		Motor Power	
Mechanism			Mechanism		Hoist Drum	Motor Power
			m/min	t	m	kW
Hoisting	6t	D22PFC15	0-70	15	400	22
			0-35	3.0	540	
	8t	30LVF20	0-80	2.0	540	30
			0-40	4.0		
Trolleying	6t	BP4030X	0-40 m/min			3.0
	8t	BP4033X	0-40 m/min			3.3
Slewing	RVF4		0-0.6 rpm			4.0×2
行走	SB41-1.6m-RT443		0-25 m/min			5.2×2
Power	415 V (±10%) / 50 Hz		Total Power 33kW (6t), 41.3 kW (8t)			

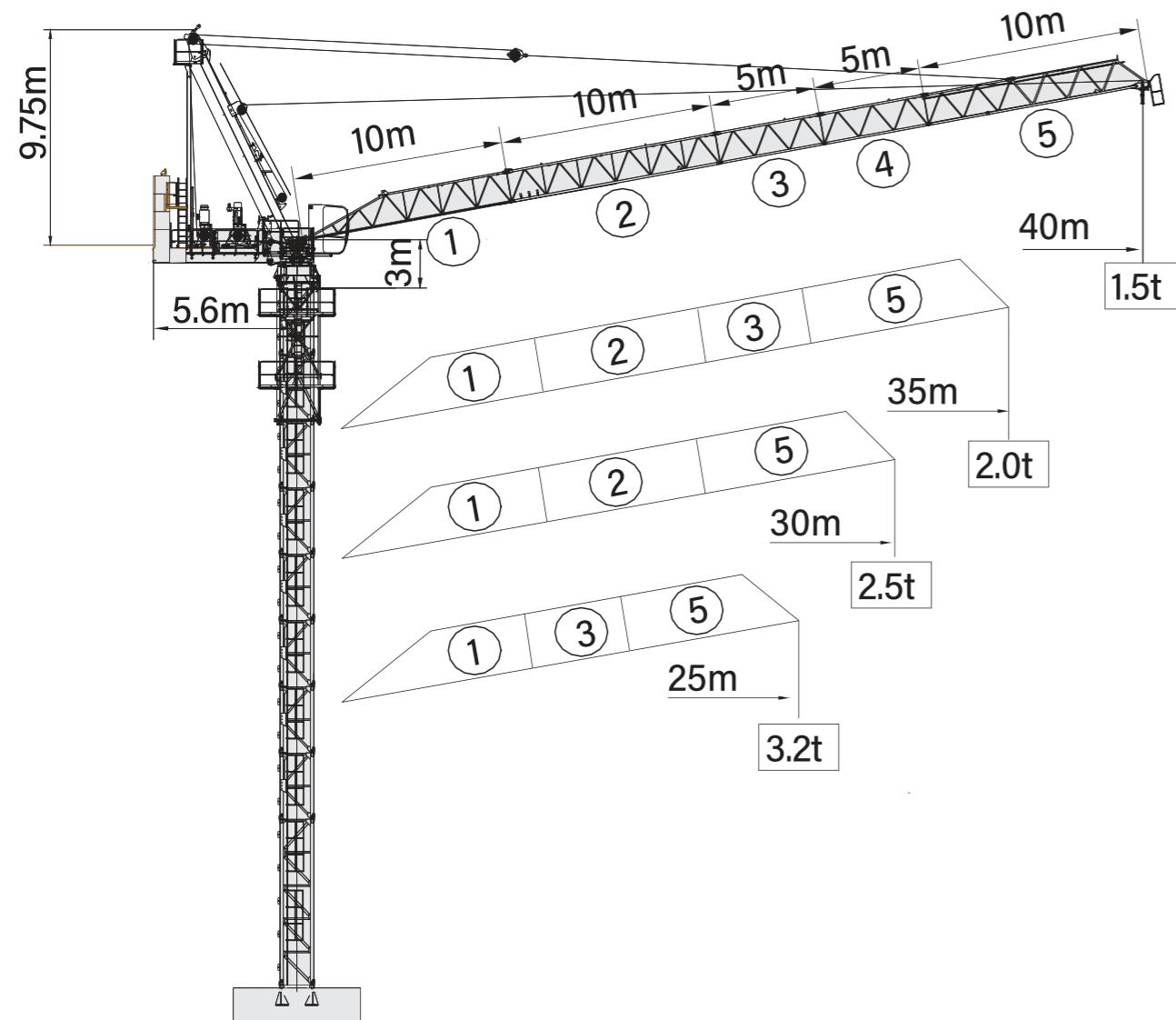
Counter Weight

				PHZ2600	PHZ1000
60m	60m	12.641m	17600kG	6	2
55m	55m	12.641m	16600kG	6	1
50m	50m	12.641m	15600kG	6	/
45m	45m	12.641m	14000kG	5	1
40m	40m	12.641m	13000kG	5	/
35m	35m	12.641m	11400kG	4	1
30m	30m	12.641m	10400kG	4	/

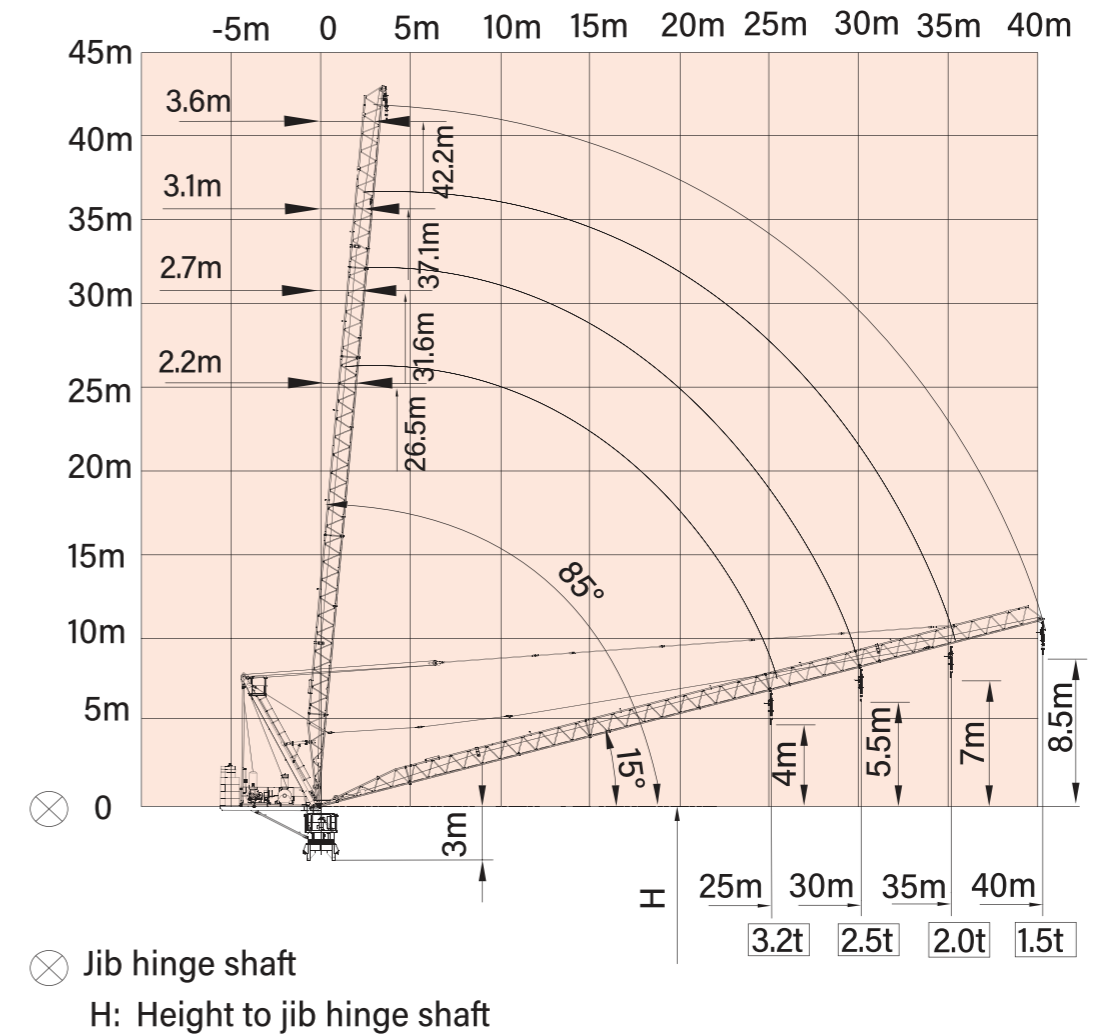
ELTC 4015-5

LUFFING CRANE

Outline Dimensions



ELTC 4015-5



Load Radius chart

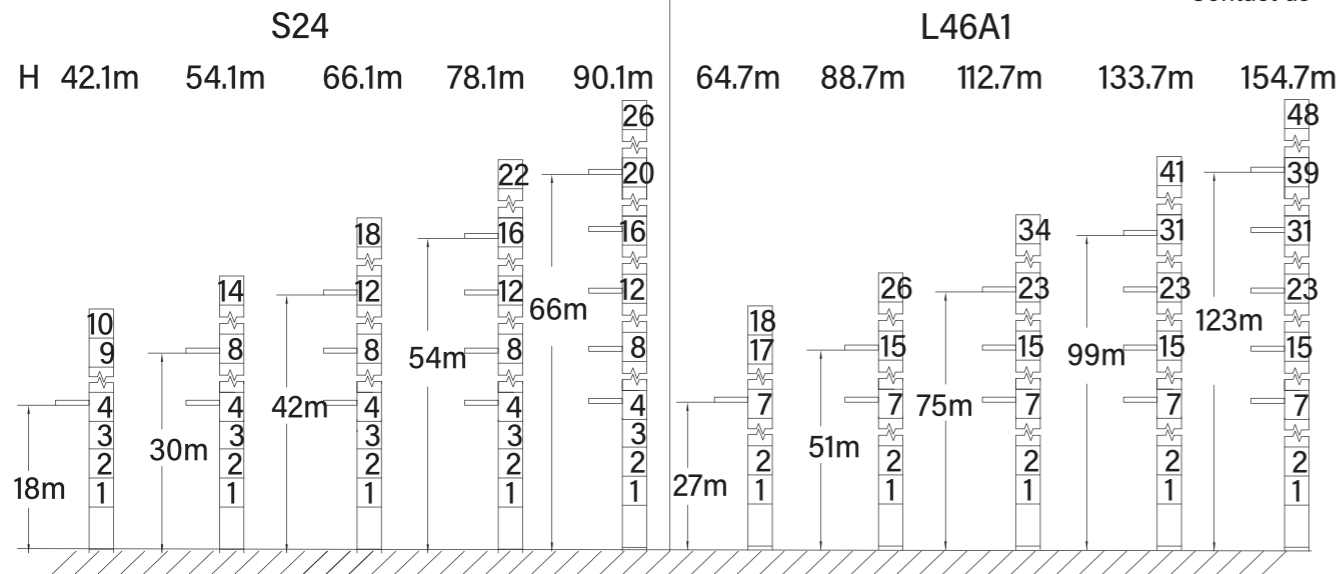
Radius		Max Load		m/t									
m	rope	t	m	15	18	20	23	25	28	30	32	35	40
40		2.5	29.5							2.50	2.20	1.90	1.50
		5.0	17.0	5.00	4.30	3.95	3.12	2.67	2.40	2.30	2.00	1.70	1.30
35		2.5	30.4							2.50	2.30	2.00	
		5.0	17.6	5.00	4.35	4.03	3.16	2.72	2.43	2.26	2.10	1.80	
30		2.5	30.0							2.50			
		5.0	18.0		5.00	4.30	3.55	3.15	2.67	2.40			
25		2.5	25.0					2.50					
		5.0	18.2		5.00	4.35	3.60	3.20					

ELTC 4015-5

Mechanisms

Mechanisms specification				2 Two fall		4 Four fall				Drum capacity	Motor power
Hoisting	18LVF	m/min	0-71	0-36	0-36	0-18	360m		18.5kW		
		t	1.3	2.5	2.5	5.0	>360*				
	25PC13	m/min	64	32	8	32	16	4	360m	18.5kW	
		t	1.3	2.5	2.5	2.5	5	5			>360*
	18DVF	min	3 (15° - 85°)						18.5kW		
Slewing	RCV95	r/min	0-0.68						95Nm		
	4SVF	r/min	0-0.68						4kW		
Travelling	RT324	m/min	12.5-25						3.4kWx2		
Power Supply				415V 50Hz /Total Power 41 kW							
Necessary Electric Power				75kVA							

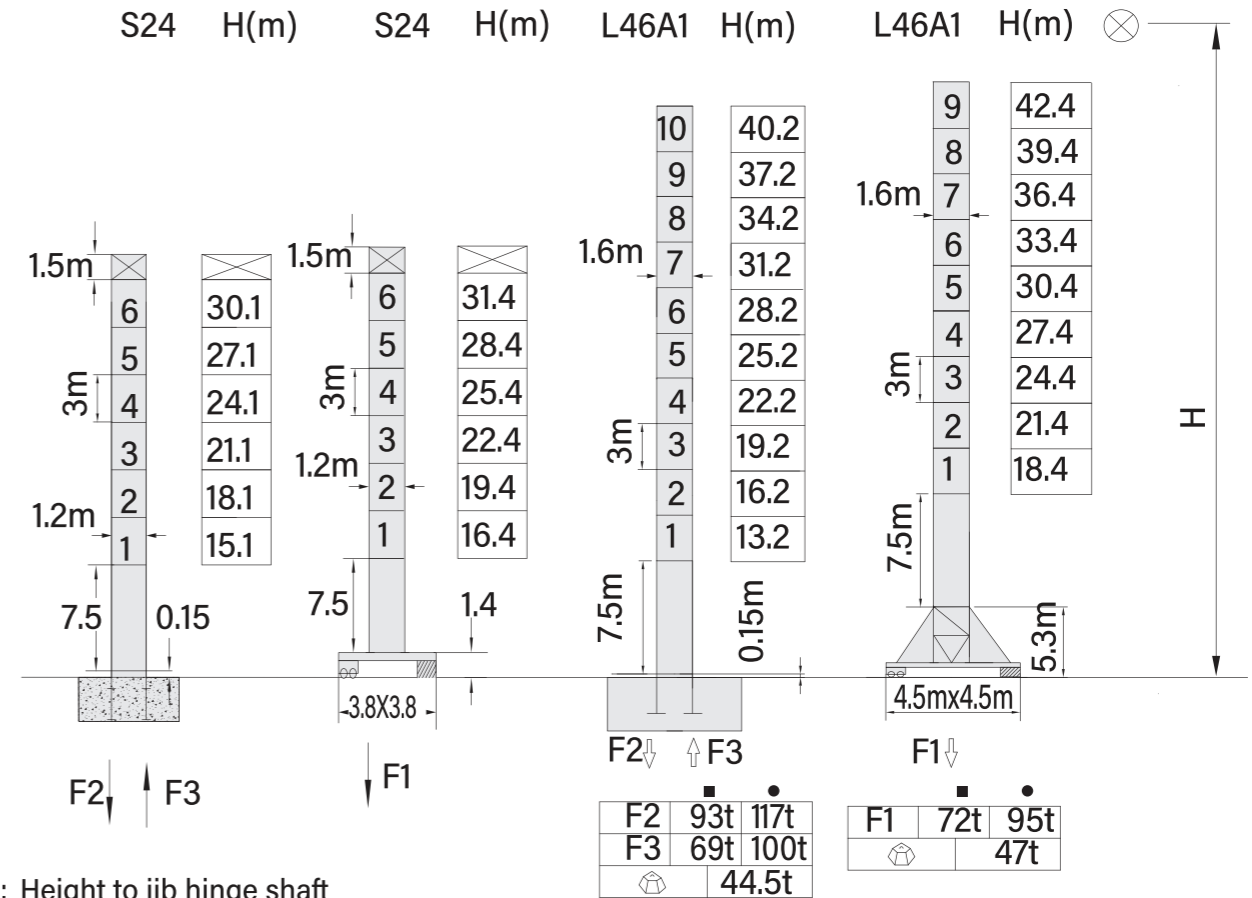
Anchorage



Contact us

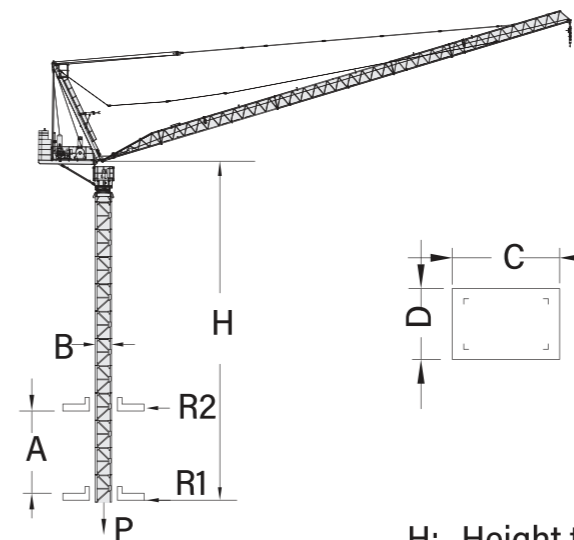
ELTC 4015-5

Mast 1.2x1.2m / 1.6x1.6m



H: Height to jib hinge shaft

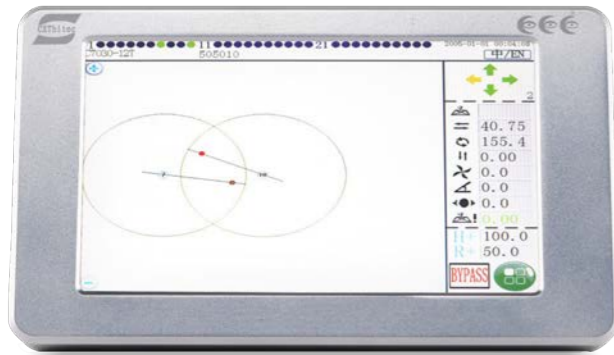
F Reactions	■ Out of service	● In service	⊗ self-load
	Without load and ballast with longest jib and self-weight in standard height.		



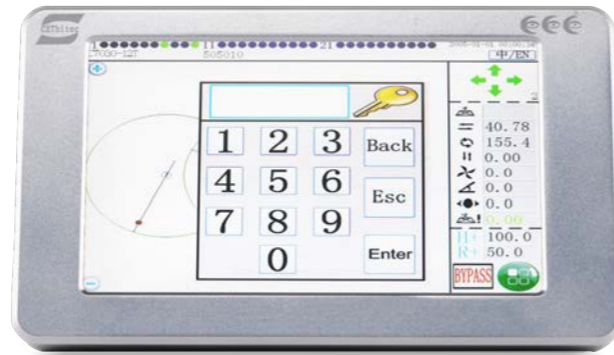
H: Height to jib hinge shaft

	B125A	BA45A
A	9m	9-11m
B	1.2m	1.6m
C	1.5m	2.15m
D	1.38m	1.77m
H	29.2m	29.2m
R1	15t	15-21t
R2	12t	12-17t
P		45t

Anti-Collision Device With Built In SLI



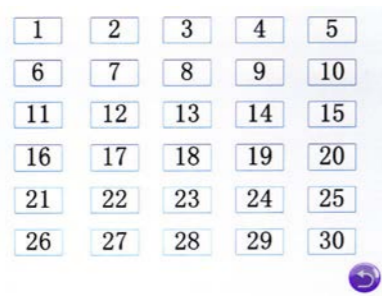
Main screen visible to operator



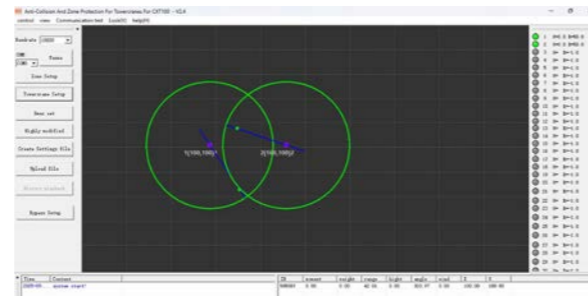
ACD Setting is password locked

Anchor	Distance
X1 = 110.00	Slewin Alarm 8.00
Y1 = 100.00	Slewin Warn 12.00
X2 = 90.00	Trolley Alarm 1.00
Y2 = 100.00	Trolley Warn 1.50
Reverse Time 0.00	Limited Speed 0.70
Inertial Angle 0.00	Increase Distance 0.00
Brake Distance 0.00	

Configuration of ACD cut-off system



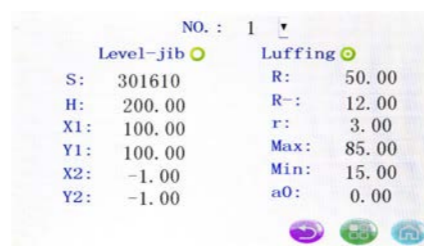
The ground monitoring system can handle up to 30 cranes within 1km radius



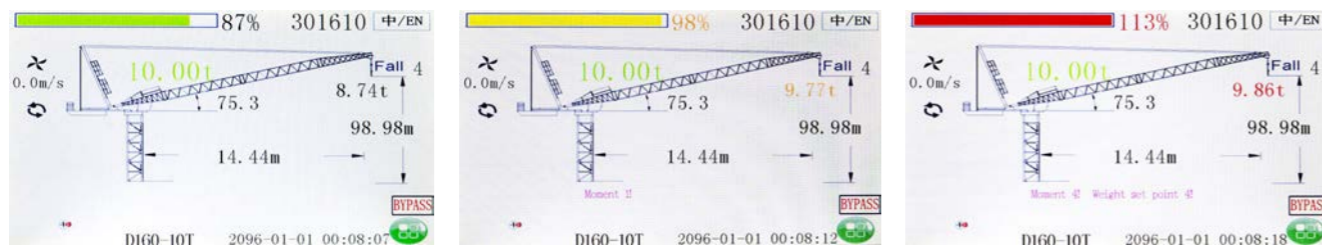
The ground monitoring main screen view



ACD set-up screen



Tower crane set-up screen



Safe Load Indicator working screen



1 ACD CPU with Touch Display



2 Radio



3 Slewing Sensor



4 Anemometer



5 Load Cell



6 Trolley Limit Switch/Azimuth Sensor (For Luffing)



7 Hoisting Limit Switch



8 Antenna

Works with any make & model



CNC Rebar Processing Machines

Stirrup Bender

Double Bender

Pile Cage Making Machine

Bending Centre

Shear Line

Weld Mesh Plant

Lattice Girder Machine



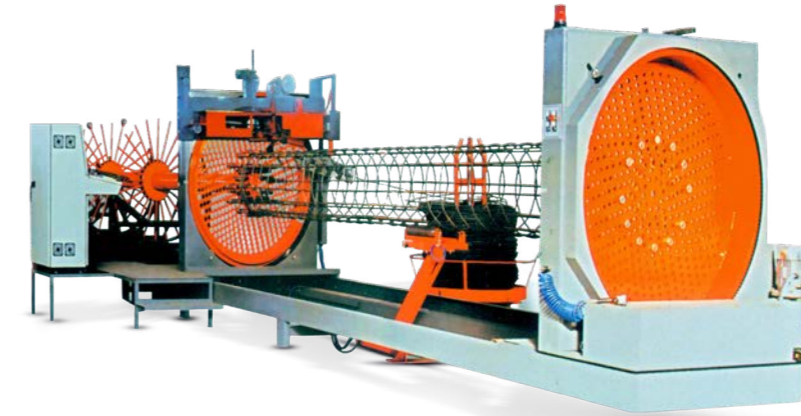
Stirrup Bender



Model	YFB12D	YFB14	YFB16
Single Rod	5~12	5~14	5~16
Double Rod	5~10	5~10	5~12
Max Bending Angle	± 180	± 180	± 180
Max traction Speed (m/min)	130	130	100
Max Bending Speed (°/sec)	1450	1450	1400
Length Accuracy (mm)	± 1	± 1	± 1
Angle Accuracy	± 1	± 1	± 1
Weight (Kg)	2950	2960	3100
Average Power Consumption	4 kw	4.5 kw	5.5 kw
(LXBXH) in mm	3500X1400X2100	3500X1400X2100	3500X1500X2300

- Reduce the rebar processing time.
- Number of labourers can be drastically reduced.
- Rebar processing cost is reduced.
- Rebar wastage by using coiled rebars.
- Labor compliance costs like EPF, PT, ESIC, labor camp, etc., along with the cost of PPE.

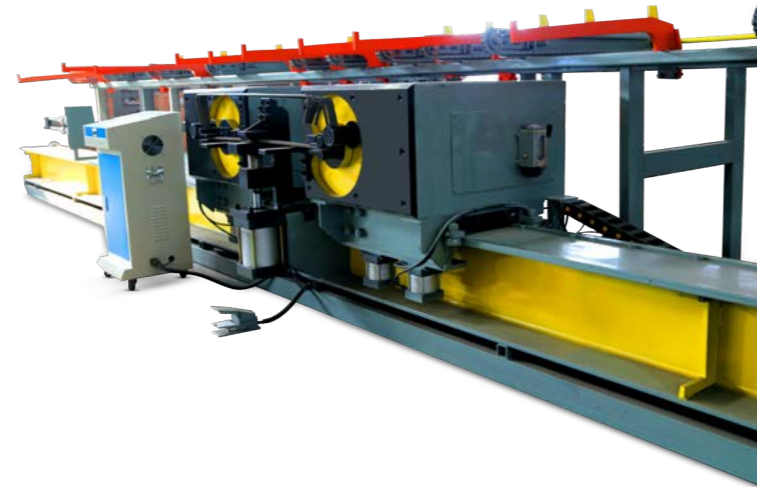
Pile Cage Making Machine



Model	YFM1500	YFM2000	YFM2500
Cage dia. (mm)	ø500-1500	ø500-2000	ø500-2500
Longitudinal bar dia. (mm)	ø12-40	ø12-50	ø12-50
Coiling bar dia. (mm)	ø5-16	ø5-16	ø5-16
Rated power (Kw)	23	23	23
Cage length (m)	2-12 (Customisable)	2-12 (Customisable)	2-12 (Customisable)
Stirrup space (mm)	50-500 (Adjustable)	50-500 (Adjustable)	50-500 (Adjustable)
Welding type	Automatic/Manual	Automatic/Manual	Automatic/Manual
PLC & VFD	Innovance	Innovance	Innovance
Touch screen	Innovance	Innovance	Innovance

Double Bender

- The telescopic bending axis can work well on double-sided bending, which is beneficial for quick processing of complex graphics.
- The mobile device is powered by an imported servo motor, whose advanced position control system ensures precise and reliable resetting.
- Process several rebars together to improve work efficiency.



Model	YFH - 32		YFH - 32 C	
	Specification	Bending Angle	Specification	Bending Angle
Bending Capacity	Φ 6 - Φ 28	+ 180° - 180°	Φ 6 - Φ 28	+ 180° - 180°
	Φ 32	+ 180° - 180°	Φ 32	+ 180° - 180°
Max Speed (m/s)	0.6		0.6	
Bending Speed	60 (°/sec)			
Bend Length Precision	+ 1			
Min Length (mm)	90		90	
Installed Power	15		15	
(L X W X H) Size	12X2.15X1.6 (m)			
Total Weight (Kg)	6		6.5	

- Different kinds of graphs can be pre-stored in the database, along with a graph system for individual editing.
- Automated moving and bending eliminates manual intervention, resulting in increased safety and efficiency.

Bending Centre



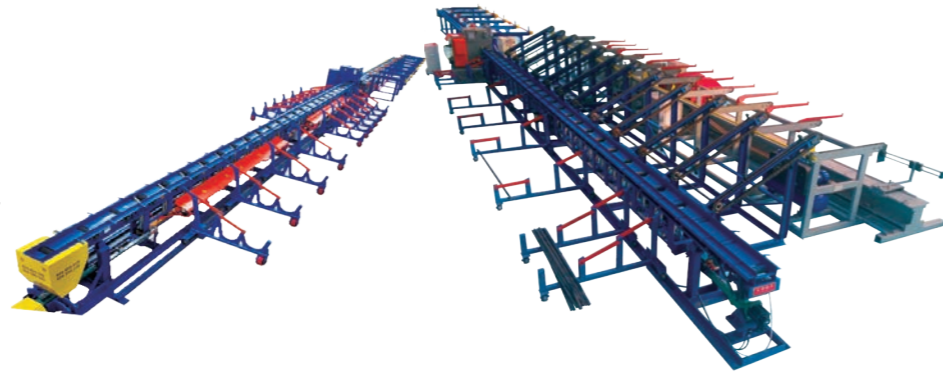
- High automation reduces labour intensity.
- Double bending device, fast positioning, enhanced productivity.
- Raw material lift device and quick loading mode.
- Advanced control system operations.
- Refined rack positioning device and bending length.
- Encoder counting systems and refined bending angles.

Model	GW - Robot 40	GW - Robot 50
Bending Capacity	1 * Φ 40 / 32 mm	1 * Φ 50 / 40 / 32 mm
	2 * Φ 25 mm	2 * Φ 25 mm
	3 * Φ 20 mm	4 * Φ 20 mm
	4 * Φ 16 mm	5 * Φ 16 mm
	5 * Φ 12 mm	6 * Φ 12 mm
Max. Bending Angle	180°	180°
Control	Controlled by Computer	
Drive Technology	Electric and Hydraulic System	

Shear Line

Characters

- The CNC Control system automatically cuts, stocks, and distributes bars. Each unit can operate independently or be integrated with others for coordinated manual line operations.
- High cutting capacity and flexibility that meets client requirements.
- The whole hydraulic header can move forward and backward, driven by a servo motor.



MODEL	JQ - 120						JQ - 200					
Rated cutting capacity	1,200 (Kn)						2,000 (Kn)					
Conveying speed	40 - 80 (m/min)						40 - 80 (m/min)					
Cutting speed	20 - 29 (times / min)						14 (times / min)					
Cutting tolerance	± 2 (mm)						± 2 (mm)					
Cutting length	750 - 12,000 (mm)						1500 - 12,000 (mm)					
Blade availability width	200 (mm)						410 (mm)					
Conveyor load capacity	800 (kg)						800 (kg)					
Air operational pressure	0.6 (Mpa)						0.6 (Mpa)					
Collecting pockets nos. (units)	6*2						6*2					
Installed power	8 (KW)						55 (KW)					
Bar diameter	10	12	16	20	25	30-32	10-14	16-20	22-25	28-30	32	40-50
Cutting bars no	10	6	6	4	2	1	20	12	8	4	2	1

- Gradient header with high capacity for cutter.
- Multiple baffles for quick positioning and high efficiency.

Lattice Girder Machine



No.	Items	Unit	Data	Notes
1	Pay-off rack load-bearing	Kg	2000	
2	Quantity of pay-off rack	pcs	5	
3.	Straightening speed	m/min	20	
4.	Power of side bar forming motor	kw	13	Servo motor
5.	Power of welding transformer	KVA	200X4	
6.	Power of Hydraulic station motor	kw	15 KW	
7.	Max Working pressure of hydraulic station	MPa	20	
8.	Max Bar diameter to cut	mm	12	
9.	Power of collecting lifting and falling rack motor	kw	3	Converter motor, Intermittent work
10	Bending Pitch/node	mm	200	
11	Lattice Girder height	mm	70-350	
12	Lattice Girder width	mm	60-110	
13	Top & Bottom wire diameter	mm	5-12	
14	Diagonal wire Ø	mm	4-8	
15	Lattice Girder length	m	2~12	
16	Production speed	m/min	6-20	Cold-rolled diagonal wire 10-20 m/Hot-rolled wire 6-8 m
17	Pneumatic pressure	Map	0.6	
18	Gas Consumption	m3/min	0.9	
19	External transformer capacity	KVA	≥315	Buyer to provide
20	External power cable Specification (Copper cable)	mm ²	≥120	Buyer to provide
21.	Ground cable specification (Copper cable)	mm ²	≥150	Buyer to provide
22	Weight	Kg	28000	
23	Dimension	LxWxH	43x5x4.5	
24	Total power		67KW=4*200KVA	

Weld Mesh Plant



TYPE	YFC - ZA / ZB	YFC - PA / PB
Width (mm)	1250 / 2050 / 2600 / 2800 / 3300 / 4000	
Longitudinal Wire Spacing (mm)	50 / 100 / 150 / 200 / 250 / 300 / 350 / 400	
Latitudinal Wire Spacing (mm)	25 - 600	
Longitudinal Wire Diameter (mm)	5 - 12 (16)	
Latitudinal Wire Diameter (mm)	5 - 12 (16)	
Welding capacity (mm)	12 + 12	
Working Speed (cws / min)	60 (120)	
Rated Power (KVA)	400-2000	

YFC - PA longitudinal wire feed for wire rod, Latitudinal wire feed for line. It is used for light industrial mesh mass production and for protective net.

YFC - PB Longitudinal wire feed for wire rod, Latitudinal Wire feed for line. High production, mesh turning function. It is used to project standard mesh mass production.

YFC - ZA is used to process rebar, cut and straighten. Simple and concise welding line, for small or medium sizes rebar mesh mass production.

YFC - ZB is used to process rebar, cut and straighten. For small or medium sized rebar mesh mass production. High efficiency with automatic stocking and collecting net unit.



Infrastructure Equipments

Girder
Launchers

Gantry
Cranes

Straddle
Carrier

Self Propelled
Modular Transporters



Girder Launchers

Our offerings include segmental, beam, and U-girder type launchers designed for large-scale infrastructure projects. The Full Span Construction Method (FSM), widely employed in the construction of metros, bridges, and high-speed railways of the HJ-A series, utilizes a dedicated FSM Launching Gantry for full-span precast bridge erection. These gantries handle spans ranging from 30 to 60 meters and weights from 600 to 2000 tons, ensuring precision, safety, and efficiency in every lift.

HJ-A Series LG could position and install the complete span of the precast bridge in 3 simple steps. Upon completion of bridge installation, it will self-advance to the next span without the help of additional machinery. The delivery of the precast girder is to be carried out by the Multiple-Axle Trolley. The Multiple-Axle Trolleys will deliver the precast girder all the way from the precast yard to the installation front point. Multiple-Axle Trolley is part of the full package.

Gantry Cranes

Gantry cranes are used to handle the activities in the precast yard. Larger capacity gantry cranes are used to lift, relocate, load, and unload the completed precast product, while smaller capacity gantry cranes are used to handle the reinforcement production and formwork. A complete solution involves a combination of larger and smaller capacity gantry cranes.

Each casting yard has its unique geometrical layout and limitations, and the gantry cranes provided have to be custom-made for each casting yard to maximize the production speed and minimize the handling cost.



Hangzhou-Shaotai Expressway



Gantry Crane lifting up DJ1000 for HSR



Straddle Carrier

Ranging from 50 tons to 2000 tons in capacity, the Straddle Carrier is very useful machinery for casting yard operation. The main advantage of the straddle carrier lies in its manoeuvring flexibility in the casting yard compared to the gantry crane. Therefore, it is relatively easy for the casting yard to extend in the future as part of the contingency plan if the contractor is using a straddle carrier. Alternatively, a combination of a straddle carrier with a gantry crane can be a

better solution for some of the projects. The straddle carrier can be used to transport the segments directly to the back of the launching gantry for balanced cantilever construction if the casting yard is near to the bridge. The straddle carrier has a very high reuse and resale value; therefore, it is a sound investment as well. HCR provides resell services upon inquiry from our customer.



HCR 700t 40m span Straddle Carrier for HSR

Self Propelled Modular Transporters

This hydraulically powered Multi-Axle-Trolley is used for the transportation of precast full-span girders. Trolley capacity ranges from 300 tons to 2000 metric tons. MATs are custom-made to suit the geometrical and capacity requirements of precast girders. The trolley is self-motorized by means of hydraulic motor reducers installed directly on the wheels; therefore, there will be no chain transmission involved.

Standard MATs are designed for a longitudinal gradient of 3% & a transverse gradient of 3%. A larger gradient can be supplied upon request. All wheel groups are steerable. The steering type is controlled by the PLC. The wheel groups are mounted on hydraulically driven slewing rings. Two endless screws connected to hydraulic motors activate the rotation of the slewing ring. One encoder registers the rotation and sends the data to the PLC. The PLC system precisely aligns each wheel, ensuring optimal steering control. Every wheel group adjusts to its individual steering angle, allowing smooth and accurate trolley maneuvering.



Self Propelled Multi-Axle Trolley TYLC1000



Service & Safety Training



Exhibitions



Certification



