

Tower Crane



Company Profile



China National Building Materials (Group) Corporation (CNBM), established in 1984, now is one of the largest state-owned group corporation in China, dealing with building materials & industrial equipment. Up to year 2009, CNBM Group's total asset is 13.5 billion USD and total staff is 80,000.

CNBM International Corporation, specializes in designing & manufacturing of various kinds of construction machinery, including tower crane, building hoist, etc. All the equipment produced by CNBM are compliant with the National level quality standard, and wins great reputation for their enduring performance in worldwide markets.

Key reason for CNBM's achievements:

• Research and Development (R&D)

- Our own systems of production engineering.
- Production design from the concept to the engineering details.
- National level research academy for various building equipment for over 30 years.
- Continuous development of new solutions and products adapted to the requirements of our clients.
- Technical experts with abundant experience in relative fields.

• Production

- Complete quality control system.
- Nearly 20 years experiences in manufacturing fields.
- Full production capacity up to 800 tower cranes annually (with various load from 4tons to 25tons).

• Commercial & marketing

- Customer-oriented philosophy.
- Full international business experiences.
- Global network & localization strategy.
- Professional & high efficiency team.

• Service

Under the guidance of "globalization + localization" strategy, in most of our main markets, the marketing operations & after sales services are carried out by CNBM's local partner companies.

To provide enough & timely support to the local partners, CNBM has set up 6 branches in the world (with more to c, ensuring the best services to the end-users along with high quality equipment.

Our Service Branch

CNBM INTERNATIONAL CORPORATION U.A.E BRANCH

CNBM INTERNATIONAL CORPORATION K.S.A BRANCH

CNBM INTERNATIONAL CORPORATION IRAN BRANCH

CNBM (U.S.A) CORPORATION

CNBM INTERNATIONAL(RUSSIA)CORPORATION

CNBM INDIA CORPORATION

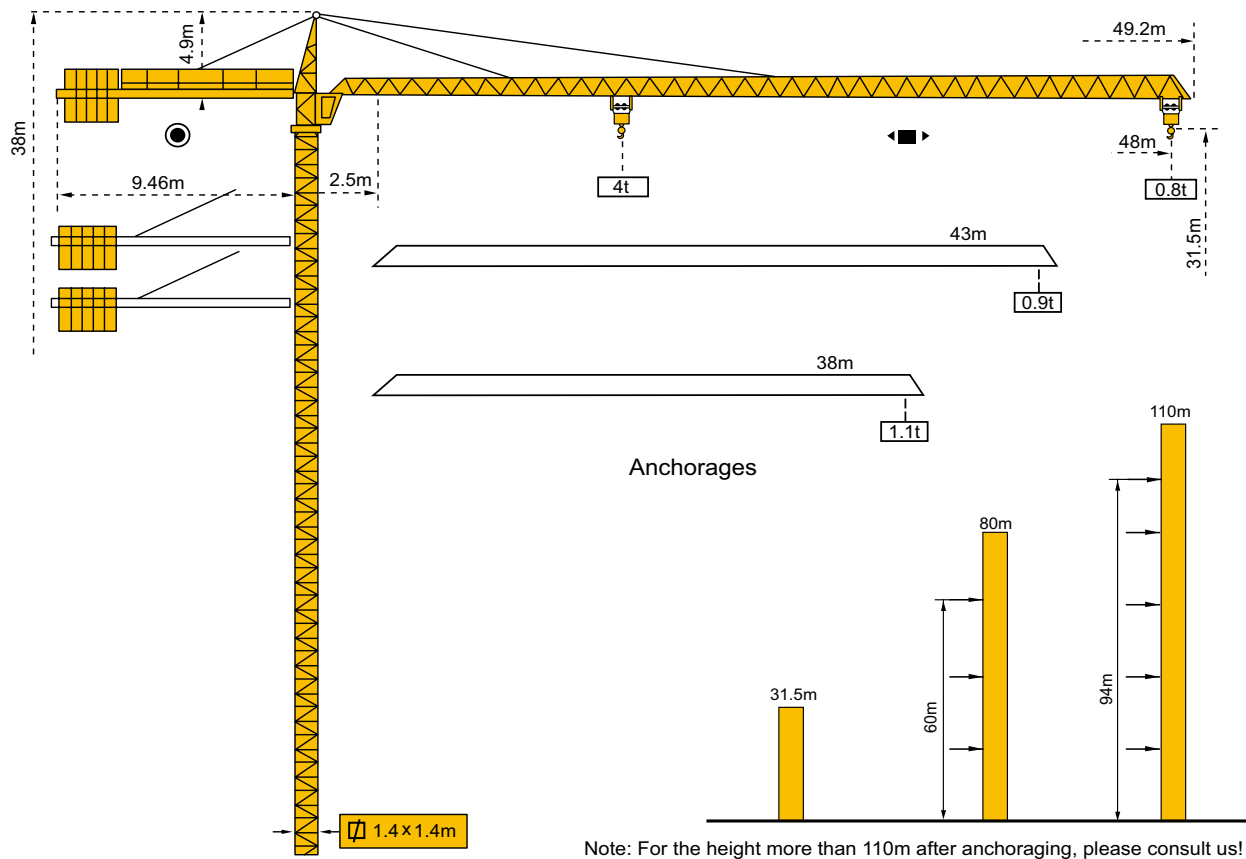
CNBM NIGERIA CORPORATION

CNBM KAZAKHSTAN BRANCH

UNDER CONSTRUCTION OTHER PLACES



TC4808



LOADING DIAGRAM

48m jib length:

R				12	14	16	18	20	22	24	26
a=2 (t)	2t—20.7m								1.87	1.70	1.56
a=4 (t)	4t—10.95m			3.61	3.04	2.62	2.30	2.04	1.84	1.67	1.53
R	28	30	32	34	36	38	40	42	44	46	48
a=2 (t)	1.44	1.34	1.24	1.17	1.09	1.03	0.98	0.93	0.88	0.84	0.80
a=4 (t)	1.41	1.31	1.21	1.14	1.06	1.00	0.95	0.9	0.85	0.81	0.77

43m jib length:

R				12	14	16	18	20	22	24	26
a=2 (t)	2t—21.2m								1.92	1.75	1.61
a=4 (t)	4t—11.25m			3.72	3.13	2.7	2.37	2.10	1.89	1.72	1.58
R	28	30	32	34	36	38	40	42	43		
a=2 (t)	1.48	1.37	1.28	1.20	1.13	1.06	1.01	0.95	0.93		
a=4 (t)	1.45	1.34	1.25	1.17	1.10	1.03	0.98	0.92	0.9		

38m jib length:

R				12	14	16	18	20	22	24	26
a=2 (t)	2t—21.9m								1.99	1.81	1.66
a=4 (t)	4t—11.58m			3.84	3.23	2.78	2.44	2.17	1.96	1.78	1.63
R	28	30	32	34	36	38					
a=2 (t)	1.53	1.42	1.32	1.24	1.16	1.10					
a=4 (t)	1.50	1.39	1.29	1.21	1.13	1.07					

- Max. working range 40m, tip lifting weight 0.8T and Max lifting weight 4T.
- Hoisting mechanism fitted with three speed motor, stable braking and less shock when shifting.
- Trolleying mechanism can provide two operation speeds.

Technical Sheet for TC4808

Item		Parameter						
Independent height (m)		31.5						
Max height with attachment (m)		110						
Working range can be adjusted (m)		38、43、48						
Min working range (m)		2.25						
Max lifting capacity (t)		4						
Tip load @ 48m (t)		0.8						
Hoist mechanism	Falls	2			4			
	Lifting capacity (t)	1	2	2	2	4	4	
	Speed (m/min)	70	35	7	35	17.5	3.5	
	Motor	YZTD225M2-4/8 /32 15/15/3.5KW						
Trolleying mechanism	Speed (m/min)	20/40						
	Motor	YDEJ100-4/8 2.4/1.5KW						
Slewing mechanism	Speed (r/min)	0-0.6						
	Motor	YD132S-6/8 2.4/1.8KW						
Climbing speed (m/min)		0.4						
Counterweight (t)		7.6						
Mast section size (L×W×H) m		1.4×1.4×2m						
Working temperature		-40—+60℃						
Total power (KW)		23						
Cable type (within 30 meters from site power source to lower electric box of tower crane)		25mm ² (3+2, 5 cores)						
Startup voltage & current		380V×95%=361V			180A			
Rated working voltage & current		380V			65A			



CNBM CNBM International Corporation

17th Floor, NO.4 Building, Zhu Yu Business Center,
NO.9 Shou Ti South Road, Hai Dian Dist., Beijing, 100048, China

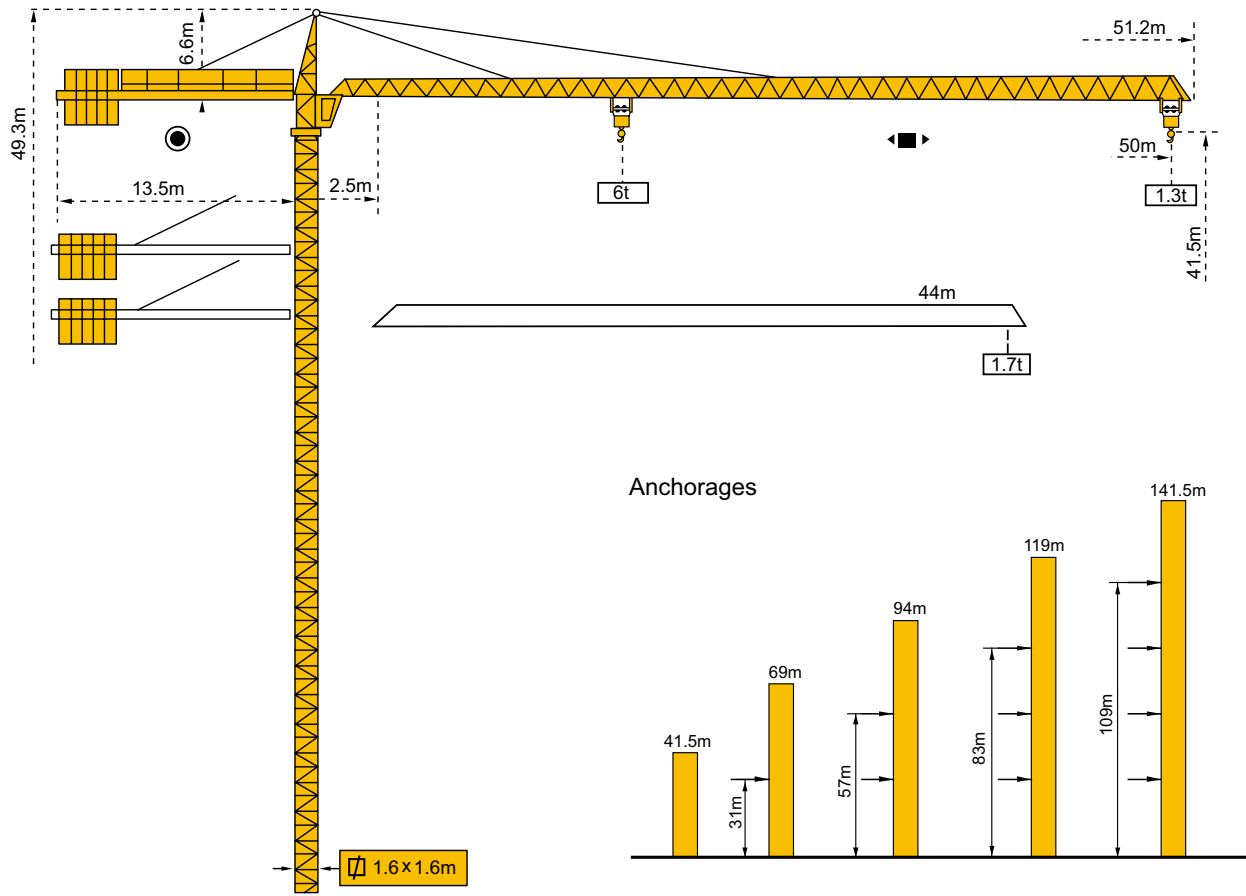
Tel: (0086-10)6879 6340

Fax: (0086-10)6879 6677

Website: www.cnbm.com.cn www.cnbmmech.com www.cmaxmachinery.com

E-mail: cnbmmech@icnbn.com

TC5013



Note: For the height more than 141.5m after anchoring, please consult us!

LOADING DIAGRAM

50m jib length											
Radius (m)	2.5-15.5	17	20	23	26	28.1	29	35	41	44	50
2 falls (t)	3.00	3.00	3.00	3.00	3.00	3.00	2.91	2.32	1.90	1.73	1.33
4 falls (t)	6.00	5.40	4.48	3.80	3.29	2.99	2.88	2.29	1.87	1.70	1.30
44m jib length											
Radius (m)	2.5-15.7	17	20	23	26	28.7	29	32	35	38	44
2 falls (t)	3.00	3.00	3.00	3.00	3.00	3.00	2.97	2.63	2.36	2.13	1.73
4 falls (t)	6.00	5.49	4.56	3.87	3.35	2.97	2.94	2.60	2.33	2.10	1.70

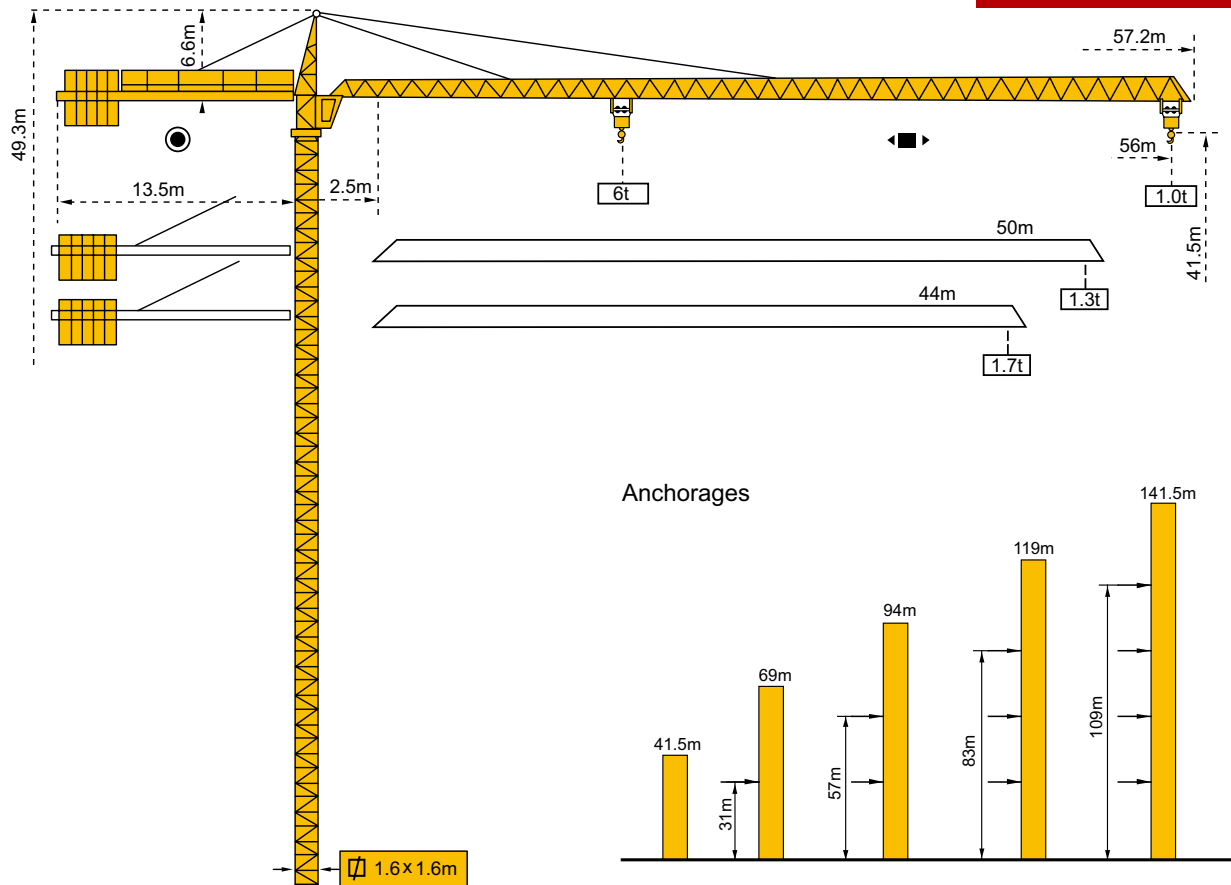
- Max. working range 50m, tip lifting weight 1.3T and Max lifting weight 6T.
- Hoisting mechanism fitted with three speed motor, stable braking and less shock when shifting.
- Trolleying mechanism can provide two operation speeds.

Technical Sheet for TC5013

Item		Parameter	
Free standing height (m)		41.5	
Max height with attachment (m)		141.5	
Working range can be adjusted (m)		44、 50	
Min working range (m)		2.5	
Max lifting capacity (t)		6	
Tip load @ 50m (t)		1.3	
Hoist mechanism	Falls	2	4
	Lifting capacity (t)	1.5-3	3-6
	Speed (m/min)	0-80	0-40
	Motor	YZRDWF225M-4/8-24/24KW	
Trolleying mechanism	Speed (m/min)	12/27/53	
	Motor	YZTDE132L-4/8/16-3.3/2.2/1.1KW	
Slewing mechanism	Speed (r/min)	0-0.6	
	Motor	YZR132M2-6-3.7KW×2	
Climbing speed (m/min)		0.58	
Counterweight (t)		44m jib length	50m jib length
		12	13.05
Mast section size (L×W×H) mm		1600×1600×2500	
Working temperature		-40—+60℃	
Max working wind (m/s)		20	
Total power (KW)		37	
Rated working voltage & current		380V / 108A	



TC5610



Note: For the height more than 141.5m after anchoring, please consult us!

LOADING DIAGRAM

56m jib length											
Radius (m)	2.5-26.35				28	30	32	38	44	50	56
2 falls (t) 	3.00				2.778	2.542	2.336	1.851	1.502	1.237	1.03
Radius (m)	2.5-14.82	16	18	20	22	26	32	38	44	50	56
4 falls (t) 	6.00	5.478	4.757	4.187	3.725	3.022	2.306	1.821	1.472	1.207	1.00
50m jib length											
Radius (m)	2.5-27.6					28	30	36	40	44	50
2 falls (t) 	3.00					2.946	2.698	2.124	1.839	1.607	1.330
Radius (m)	2.5-15.5	18	20	22	26	28	30	36	40	44	50
4 falls (t) 	6.00	5.023	4.426	3.941	3.203	2.916	2.668	2.094	1.809	1.577	1.30
44m jib length											
Radius (m)	2.5-29.05						30	32	36	38	44
2 falls (t) 	3.00						2.880	2.653	2.275	2.117	1.73
Radius (m)	2.5-16.29	18	20	24	26	28	30	32	36	38	44
4 falls (t) 	6.00	5.333	4.703	3.770	3.414	3.112	2.850	2.623	2.245	2.087	1.70

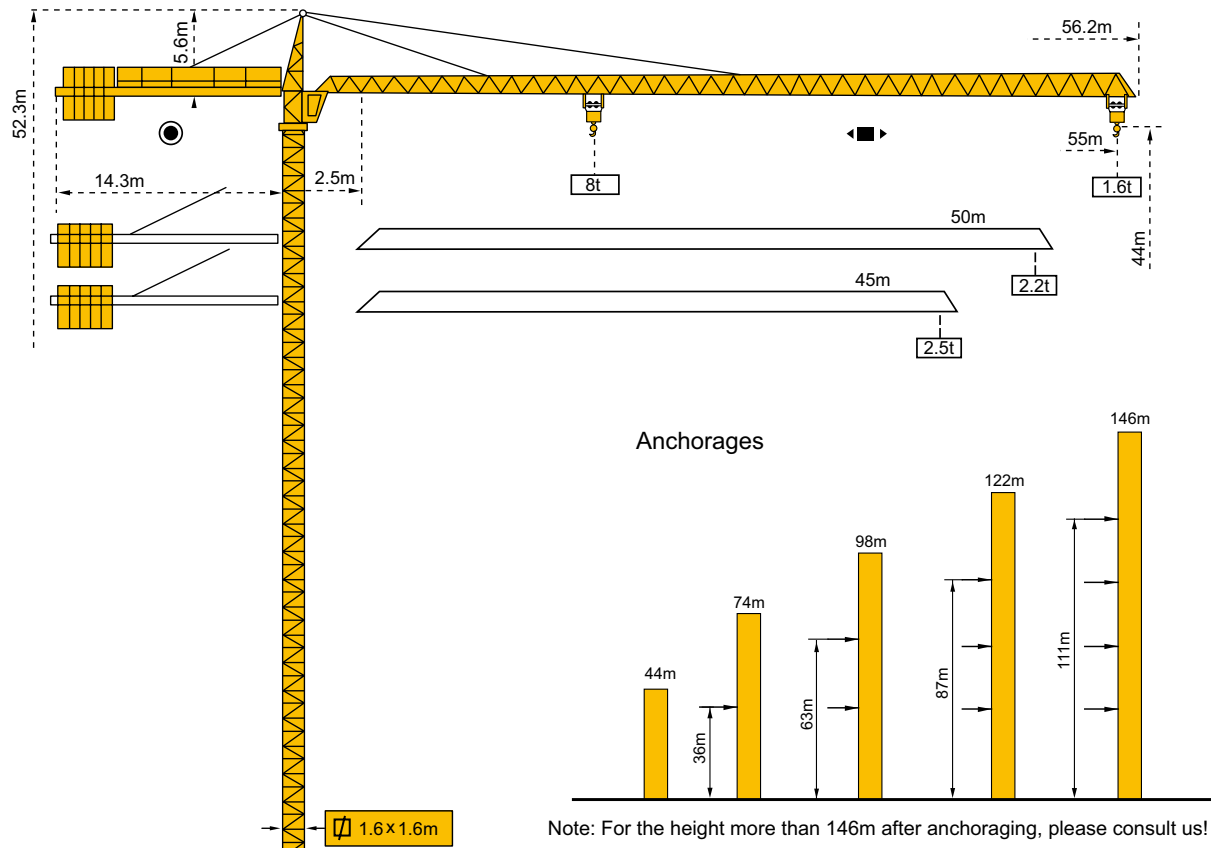
- Max. working range 56m, tip lifting weight 1T and Max lifting weight 6T.
- Hoisting mechanism fitted with three speed motor, stable braking and less shock when shifting.
- Slewing mechanism equipped with 4-speed motor, stable and reliable, can provide stepless speed regulation.
- Trolleying mechanism can provide two operation speeds.

Technical Sheet for TC5610

Item		Parameter		
Free standing height (m)		41.5		
Max height with attachment (m)		141.5		
Working range can be adjusted (m)		44、50、56		
Min working range (m)		2.5		
Max lifting capacity (t)		6		
Tip load @ 56m (t)		1		
Hoist mechanism	Falls	2	4	
	Lifting capacity (t)	1.5-3	3-6	
	Speed (m/min)	0-80	0-40	
	Motor	YZRDWF225M-4/8-24/24KW		
Trolleying mechanism	Speed (m/min)	12/27/53		
	Motor	YZTDE132L-4/8/16-3.3/2.2/1.1KW		
Slewing mechanism	Speed (r/min)	0-0.6		
	Motor	YZR132M2-6-3.7KW×2		
Climbing speed (m/min)		0.58		
Counterweight (t)		44m jib length	50m jib length	56m jib length
		12	13.05	14.1
Mast section size (L×W×H) mm		1600×1600×2500		
Working temperature		-40—+60℃		
Max working wind (m/s)		20		
Total power (KW)		37		
Rated working voltage & current		380V / 108A		



TC5516



LOADING DIAGRAM

55m jib length:

R m	3.1—13.5	17	22	27	33	37	45	47	50	52	55
a=2	4t—24.65m			3.61	3	2.61	2.38	1.95	1.8	1.72	1.6
a=4	8t	6.2	4.62	3.41	3	2.61	2.38	1.95	1.8	1.72	1.6

50m jib length:

R m	2.5—15.17	19.65	22	25	27.4	33	38.5	42	47	50
a=2	4t—27.6m					3.22	3	2.71	2.37	2.2
a=4	8t	6.2	5.53	4.76	4	3.22	3	2.71	2.37	2.2

45m jib length:

R m	2.5—15.17	22	25	27.4	29.8	33	38.5	40	42	45
a=2	4t				3.65	3.22	3	2.87	2.71	2.5
a=4	8t—15.17m	5.53	4.76	4.2	3.65	3.22	3	2.87	2.71	2.5

- Max. working range 55m, tip lifting weight 1.6T and Max lifting weight 8T.
- Provide stepless speed regulation. Outstanding in working efficiency, operating stability and reliability.
- Reduce future maintenance cost.

Technical Sheet for TC5516

Item		Parameter			
Free standing height (m)		44			
Max height with attachment (m)		150 (200)			
Working range can be adjusted (m)		45、50、55			
Min working range (m)		2.5			
Max lifting capacity (t)		8			
Tip load @ 56m (t)		1.6			
Hoist mechanism	Falls	2		4	
	Lifting capacity (t)	0—2	0—4	0—4	0—8
	Speed (m/min)	0—80	0—40	0—40	0—20
	Motor	YZRWfc250M-4/8 30/30KW			
Trolleying mechanism	Speed (m/min)	12/27/53			
	Motor	YZTDE132L-4 /8/16 3.3/2.2/1.1KW			
Slewing mechanism	Speed (r/min)	0~0.6			
	Motor	YZR132M2-6-3.7KW×2			
Climbing speed (m/min)		0.5			
Counterweight (t)		17.6			
Mast section size (L×W×H) m		1.6×1.6×3.0			
Working temperature		-40—+60℃			
Total power (KW)		42			
Cable type (within 40 meters from site power source to lower electric box of tower crane)		50mm ² (3+2, 5 cores)			
Startup voltage & current		380V×95%=361V 179A			
Rated working voltage & current		380V 128A			



CNBM CNBM International Corporation

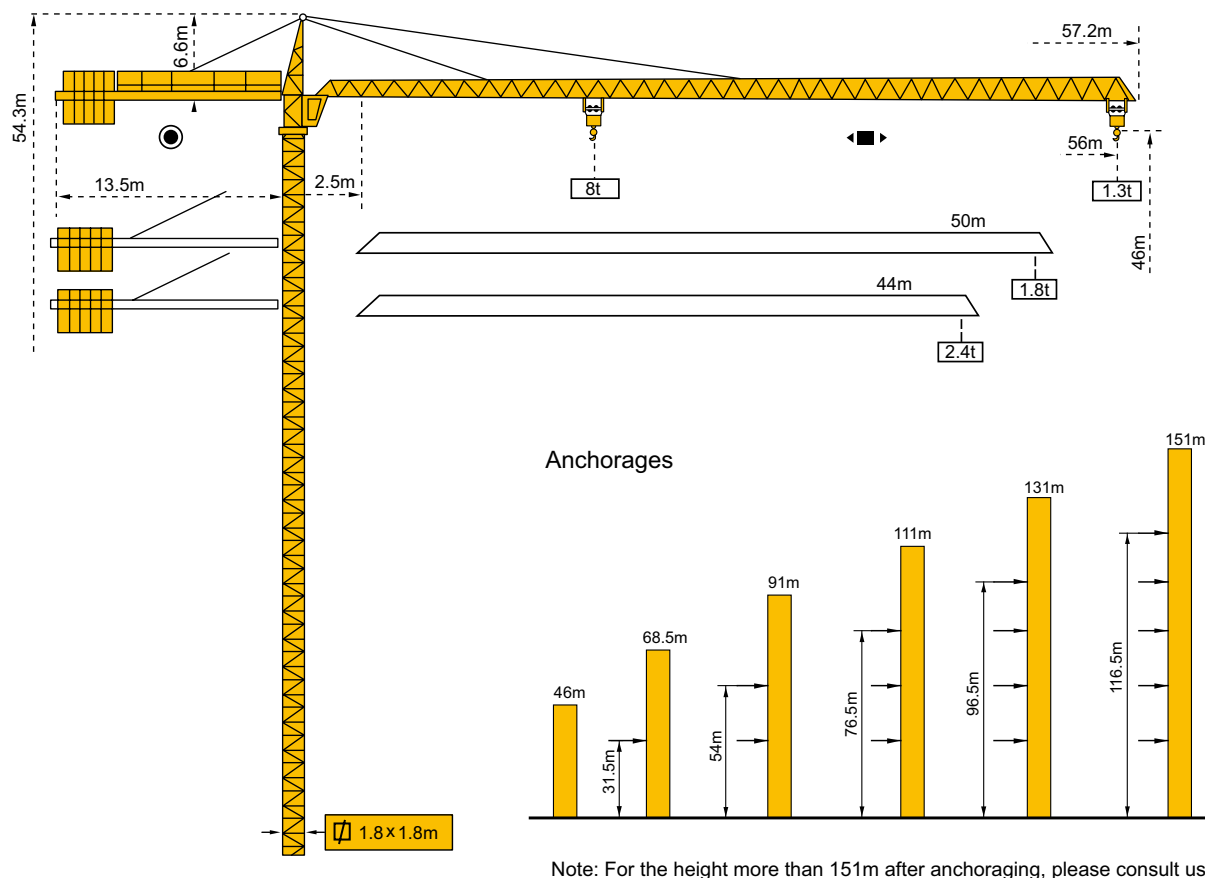
17th Floor, NO.4 Building, Zhu Yu Business Center,
NO.9 Shou Ti South Road, Hai Dian Dist., Beijing, 100048, China

Tel: (0086-10)6879 6340 Fax: (0086-10)6879 6677

Website: www.cnbm.com.cn www.cnbmmech.com www.cmaxmachinery.com

E-mail: cnbmmech@icnbn.com

TC5613



LOADING DIAGRAM

56m jib length											
Radius (m)	2.5-13.7	14	20	24.9	26	32	35	38	44	50	56
2 falls (t)	4.00				3.80	2.94	2.63	2.36	1.94	1.63	1.38
4 falls (t)	8.00	7.79	4.12	3.92	3.72	2.86	2.55	2.28	1.86	1.55	1.30
50m jib length											
Radius (m)	2.5-15.1	16	22	26	27.6	32	35	38	42	50	
2 falls (t)	4.00					3.34	2.99	2.70	2.37	1.88	
4 falls (t)	8.00	7.48	5.15	4.22	3.92	3.26	2.91	2.62	2.29	1.80	
44m jib length											
Radius (m)	2.5-16.3	20.9	26	29.8	32	35	38	40	42	44	
2 falls (t)	4.00				3.69	3.31	2.99	2.79	2.63	2.48	
4 falls (t)	8.00	6.0	4.64	3.93	3.61	3.23	2.91	2.72	2.55	2.40	

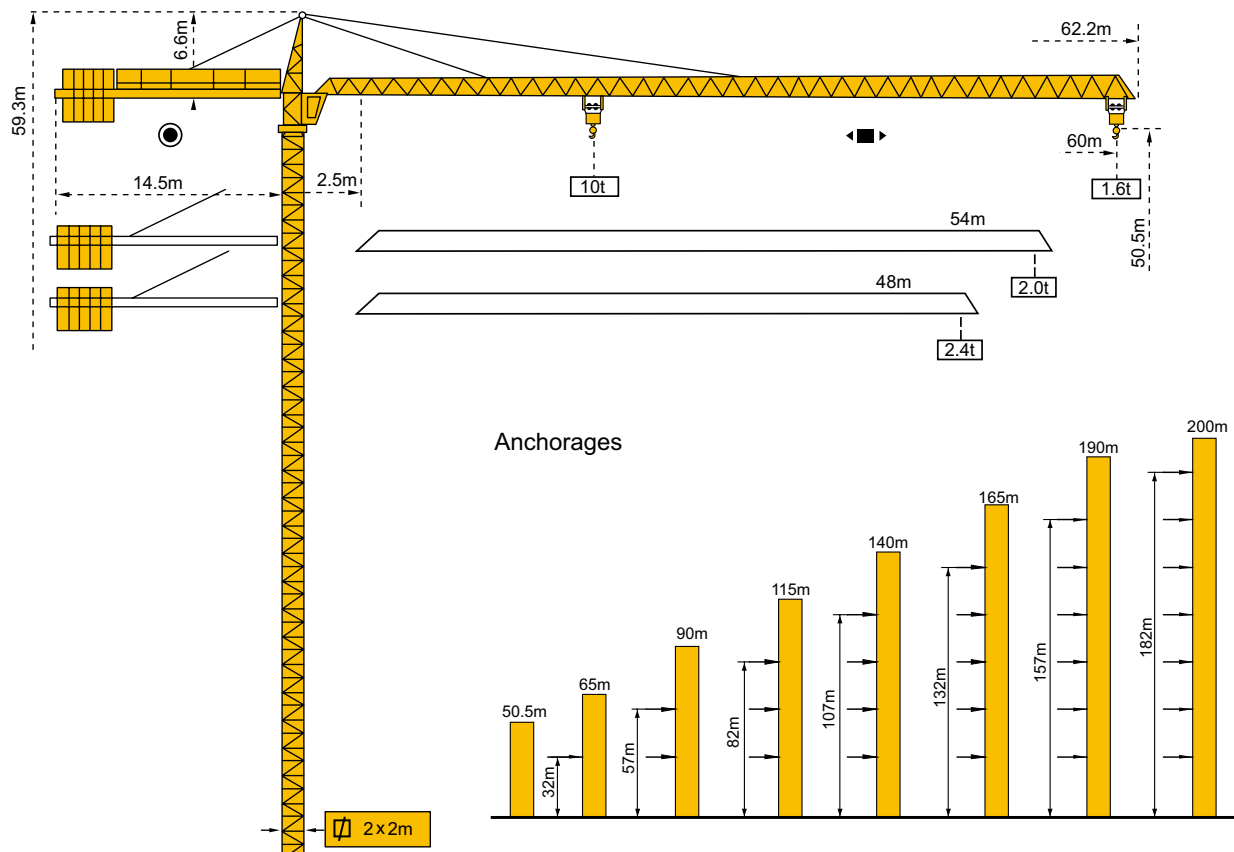
- Max. working range 56m, tip lifting weight 1.3T and Max lifting weight 8T.
- Provide stepless speed regulation. Outstanding in working efficiency, operating stability and reliability.
- Reduce future maintenance cost.

Technical Sheet for TC5613

Item		Parameter			
Free standing height (m)		46			
Max height with attachment (m)		150 (200)			
Working range can be adjusted (m)		44、50、56			
Min working range (m)		2.5			
Max lifting capacity (t)		8			
Tip load @ 56m (t)		1.3			
Hoist mechanism	Falls	2		4	
	Lifting capacity (t)	0—2	0—4	0—4	0—8
	Speed (m/min)	0—80	0—40	0—40	0—20
	Motor	YZRWFc250M-4/8 30/30KW			
Trolleying mechanism	Speed (m/min)	12/27/53			
	Motor	YZTDE132L-4 /8/16 3.3/2.2/1.1KW			
Slewing mechanism	Speed (r/min)	0~0.6			
	Motor	YZR132M2-6-3.7KW×2			
Climbing speed (m/min)		0.5			
Counterweight (t)		14.1			
Mast section size (L×W×H) mm		1800×1800×2500			
Working temperature		-40—+60℃			
Max working wind (m/s)		20			
Total power (KW)		42			
Rated working voltage & current		380V / 128A			



TC6016



Note: For the height more than 200m after anchoring, please consult us!

LOADING DIAGRAM

60m jib length						
Radius (m)	2.5-22.4	2.5-22.4	30	40	50	60
2 falls (t)	5.00	5.00	3.646	2.63	2.014	1.60
Radius (m)	2.5-11.245	20	30	40	50	60
4 falls (t)	10.00	5.564	3.573	2.56	1.944	1.53
54m jib length						
Radius (m)	2.5-24.55	2.5-24.55	30	40	50	54
2 falls (t)	5.00	5.00	4.028	2.919	2.246	2.046
Radius (m)	2.5-12.36	20	30	40	50	54
4 falls (t)	10.00	6.13	3.958	2.849	2.176	1.976
48m jib length						
Radius (m)	2.5-25.69	2.5-25.69	30	40	48	
2 falls (t)	5.00	5.00	4.232	3.073	2.488	
Radius (m)	2.5-12.96	20	30	40	48	
4 falls (t)	10.00	6.431	4.162	3.003	2.418	

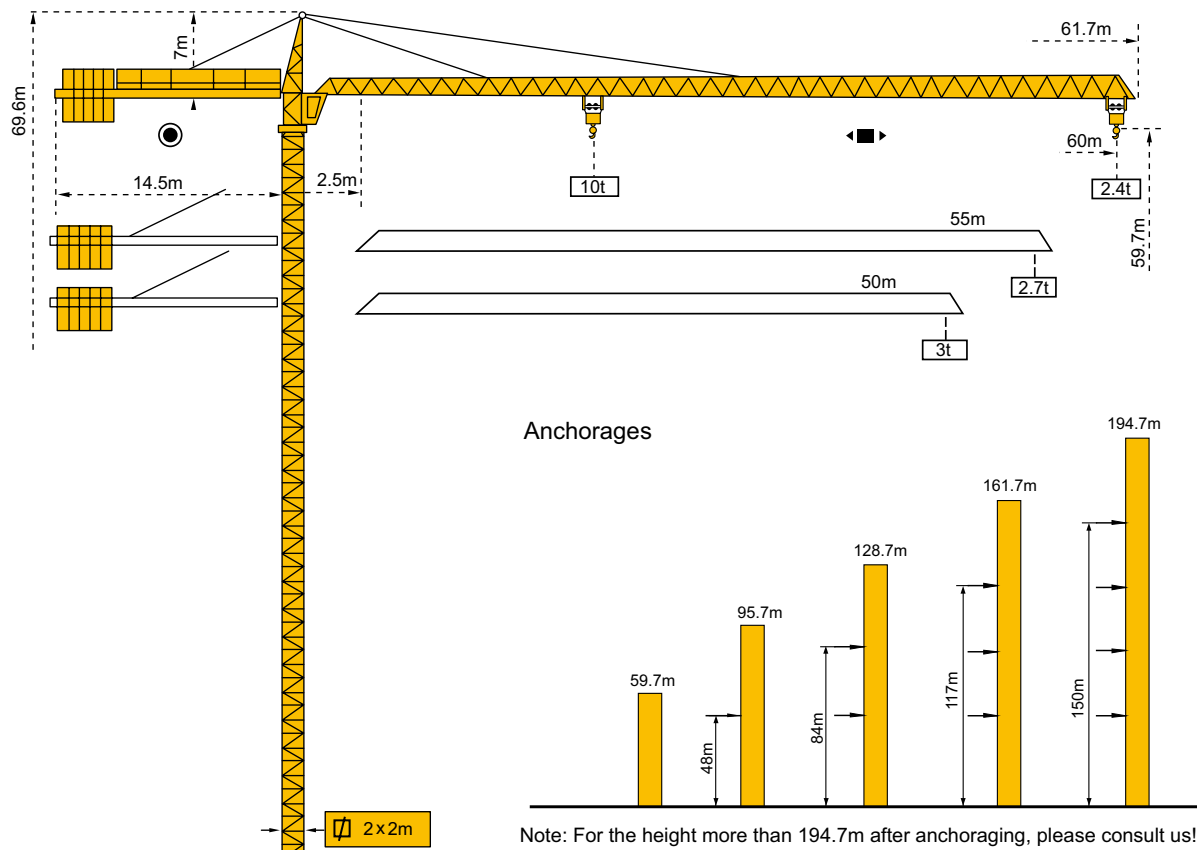
- Max. working range 60m, tip lifting weight 1.6T and Max lifting weight 10T.
- Slewing mechanism and trolleying mechanism equipped with VVVF technical control, stable and reliable, can provide stepless speed regulation.
- Outstanding in working efficiency, operating speed and stability. Reduce future maintenance cost.

Technical Sheet for TC6016

Item		Parameter			
Free standing height (m)		50.5			
Max height with attachment (m)		200			
Working range can be adjusted (m)		48、54、60			
Min working range (m)		2.5			
Max lifting capacity (t)		10			
Tip load @ 60m (t)		1.6			
Hoist mechanism (VFD+PLC)	Falls	2		4	
	Lifting capacity (t)	0—2.5	0—5	0—5	0—10
	Speed (m/min)	0—80	0—40	0—40	0—20
	Motor	YZPBF250M1-6-45KW			
Trolleying mechanism (VFD+PLC)	Speed (m/min)	0-56			
	Motor	YPBE132S-4-5.5KW			
Slewing mechanism (VFD+PLC)	Speed (r/min)	0-0.6			
	Motor	YTW112M-4-4KW×2			
Climbing speed (m/min)		0.5			
Counterweight (t)		48m jib	54m jib		60m jib
		15.45	17.85		18.9
Mast section size (L×W×H) mm		2000×2000×3000			
Working temperature		-40—+60℃			
Max working wind (m/s)		20			
Total power (KW)		60			
Rated working voltage & current		380V / 116A			



TC6024



LOADING DIAGRAM

60m jib length:

R	2.5-16.6	20	32	37	42	47	52	57	60
a=2 (kg)	5000 (2.5-31.25)		4874	4301	3700	3216	2971	2604	2400
a=4 (kg)	10000	7987	4804	4251	3651	3166	2901	2534	2330

55m jib length:

R	2.5-16.25	20	30	35	37	40	45	50	55
a=2 (kg)	5000 (2.5-32m)			4600	4300	3900	3400	3054	2700
a=4 (kg)	10000	8099	5289	4557	4285	3860	3360	2984	2671

50m jib length:

R	2.5-35	37	45	50
a=2 (kg)	5000	4300	3400	3000
	2.5-19	30		
a=4 (kg)	10000	7890	4285	3385

- Max. working range 60m, tip lifting weight 2.4T and Max lifting weight 10T.
- Slewing mechanism and trolleying mechanism equipped with VVVF technical control, stable and reliable, can provide stepless speed regulation.
- Outstanding in working efficiency, operating speed and stability. Reduce future maintenance cost.

Technical Sheet for TC6024

Item		Parameter			
Free standing height (m)		50.5			
Max height with attachment (m)		200			
Working range can be adjusted (m)		48、54、60			
Min working range (m)		2.5			
Max lifting capacity (t)		10			
Tip load @ 60m (t)		2.4			
Hoist mechanism (VFD+PLC)	Falls	2		4	
	Lifting capacity (t)	0—2.5	0—5	0—5	0—10
	Speed (m/min)	0—80	0—40	0—40	0—20
	Motor	YZPBF250M1-6-45KW			
Trolleying mechanism (VFD+PLC)	Speed (m/min)	0-56			
	Motor	YZPBE132S-4-5.5KW			
Slewing mechanism (VFD+PLC)	Speed (r/min)	0-0.6			
	Motor	YTW112M-4-5.5KW×2			
Climbing speed (m/min)		0.5			
Counterweight (t)		48m jib	54m jib		60m jib
		15.45	17.85		18.9
Mast section size (L×W×H) m		2×2×3			
Working temperature		-40—+60℃			
Total power (KW)		63			
Cable type (within 35 meters from site power source to lower electric box of tower crane)		50mm2 (3+2, 5 cores)			
Startup voltage & current		380V×95%=361V 219A			
Rated working voltage & current		380V 121A			



CNBM CNBM International Corporation

17th Floor, NO.4 Building, Zhu Yu Business Center,
NO.9 Shou Ti South Road, Hai Dian Dist., Beijing, 100048, China

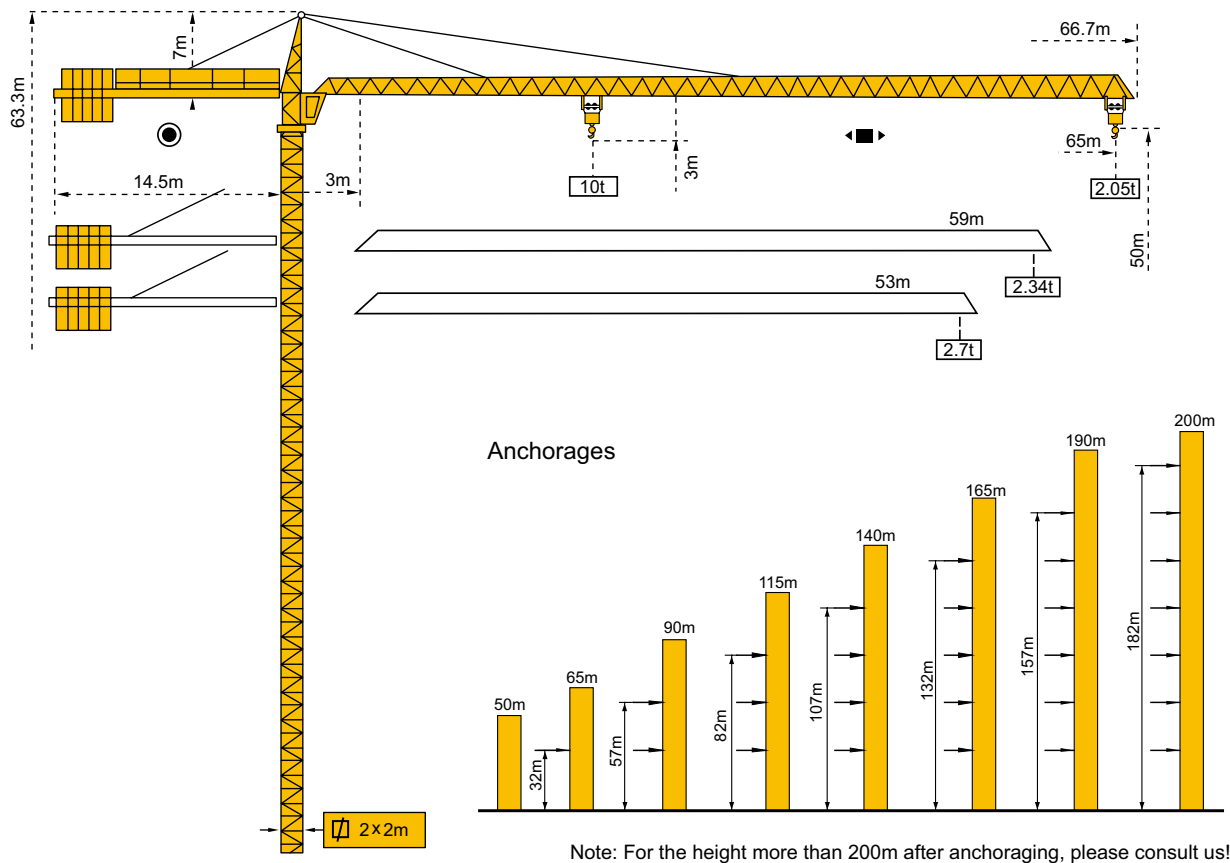
Tel: (0086-10)6879 6340

Fax: (0086-10)6879 6677

Website: www.cnbm.com.cn www.cnbmmech.com www.cmaxmachinery.com

E-mail: cnbmmech@icnbn.com

TC6520



Note: For the height more than 200m after anchoring, please consult us!

LOADING DIAGRAM

65m jib length									
Radius (m)	2.5-14.73m		20	29	30	35	40	46	48
2 falls (t) 	5.00				4.84	4.1	3.53	3.02	2.87
4 falls (t) 	10.00		7.33	5.8	4.77	4.03	3.46	2.95	2.8
Radius (m)	50	52	54	56	58	60	62	64	65
2 falls (t) 	2.74	2.62	2.5	2.4	2.3	2.21	2.12	2.04	2.00
4 falls (t) 	2.67	2.55	2.43	2.33	2.23	2.14	2.05	1.97	1.93
60m jib length									
Radius (m)	18.15		20	25	30	36	38	40	42
2 falls (t) 	5.00					4.95	4.67	4.42	4.19
4 falls (t) 	10.00		9.06	7.2	5.94	4.88	4.6	4.35	4.12
Radius (m)	44	46	48	50	52	54	56	58	60
2 falls (t) 	3.98	3.79	3.61	3.45	3.3	3.16	3.03	2.91	2.8
4 falls (t) 	3.91	3.72	3.54	3.38	3.23	3.09	2.96	2.84	2.73
55m jib length									
Radius (m)	19.23		20	25	30	32	34	37.75	38
2 falls (t) 	5.00								4.97
4 falls (t) 	10.00		9.61	7.64	6.31	5.89	5.52	5.19	4.90
Radius (m)	40	42	44	46	48	50	52	54	55
2 falls (t) 	4.70	4.45	4.23	4.03	3.85	3.67	3.52	3.47	3.3
4 falls (t) 	4.63	4.38	4.16	3.96	3.78	3.6	3.45	3.3	3.23

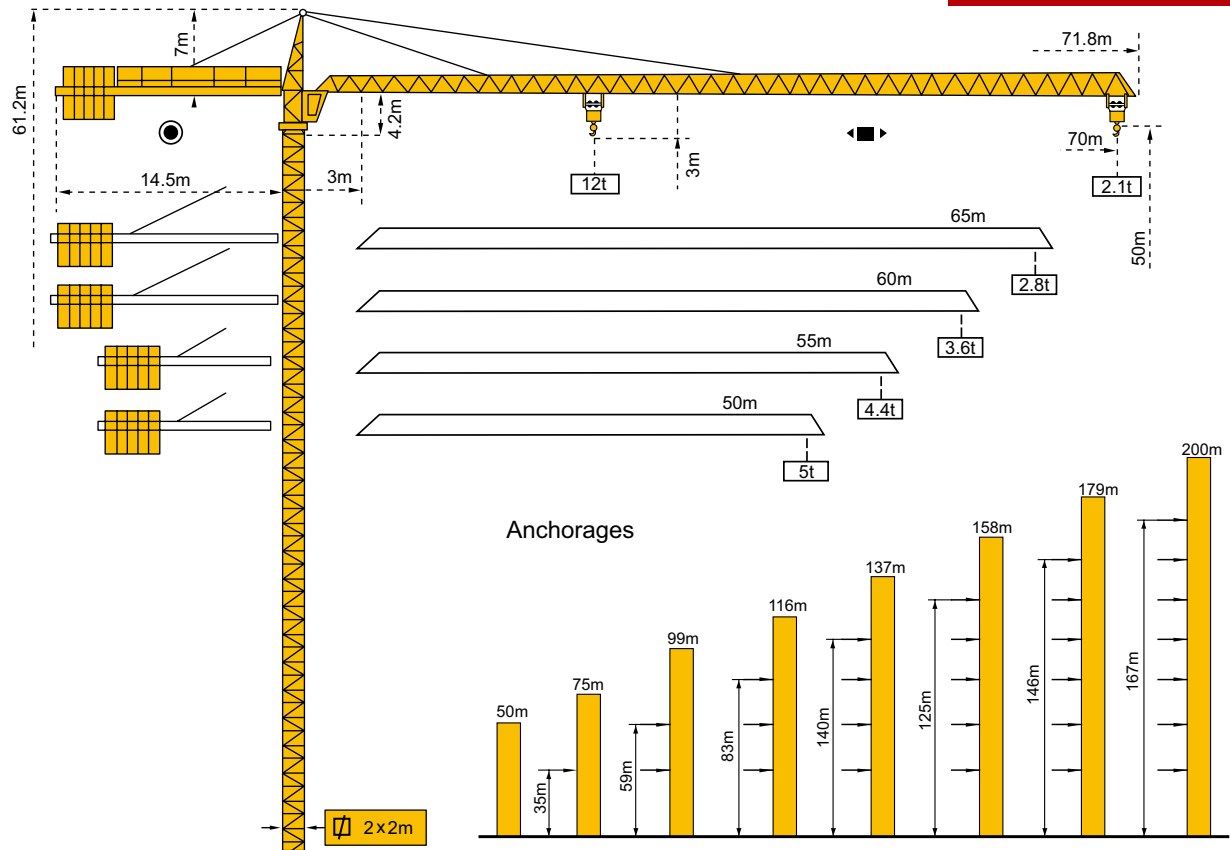
- Max. working range 65m, tip lifting weight 2.0T and Max lifting weight 10T.
- Slewing mechanism and trolleying mechanism all take VVVF+PLC technical control.
- Outstanding in working efficiency, operating speed and stability. Reduce future maintenance cost.

Technical Sheet for TC6520

Item		Parameter			
Free standing height (m)		50			
Max height with attachment (m)		200			
Working range can be adjusted (m)		55、60、65			
Min working range (m)		2.5			
Max lifting capacity (t)		10			
Tip load @ 65m (t)		2			
Hoist mechanism (VFD+PLC)	Falls	2		4	
	Lifting capacity (t)	0—2.5	0—5	0—5	0—10
	Speed (m/min)	0—80	0—40	0—40	0—20
	Motor	YZPBF250M1-6-45KW			
Trolleying mechanism (VFD+PLC)	Speed (m/min)	0-56			
	Motor	YZPBE132S-4-5.5KW			
Slewing mechanism (VFD+PLC)	Speed (r/min)	0-0.6			
	Motor	YTW112M-4-5.5KW×2			
Climbing speed (m/min)		0.5			
Counterweight (t)		21.3			
Mast section size (L×W×H) mm		2000×2000×3000			
Working temperature		-40—+60℃			
Max working wind (m/s)		20			
Total power (KW)		63			
Rated working voltage & current		380V / 121A			



TC7021



Note: For the height more than 200m after anchoring, please consult us!

LOADING DIAGRAM

70m jib length:

R			18	22	24.5	27.7	28.3	30	32	35	37	40
a=2 (t)	6t—31.8m								5.96	5.35	5.00	4.54
a=4 (t)	12t—17.8m		11.29	8.99	7.94	6.86	6.69	6.23	5.76	5.15	4.80	4.34
R	42	45	47	50	52	55	57	60	62	65	67	70
a=2 (t)	4.27	3.91	3.69	3.40	3.23	2.99	2.84	2.64	2.52	2.35	2.25	2.10
a=4 (t)	4.07	3.71	3.49	3.20	3.03	2.79	2.64	2.44	2.32	2.15	2.05	1.90

65m jib length:

R			20	22	25	27.7	30	31.8	32.4	35	35.9	37
a=2 (t)	6t—35.9m											5.79
a=4 (t)	12t—19.23m		11.49	10.32	8.92	7.92	7.21	6.72	6.57	5.99	5.80	5.59
R	40	42	45	47	50	52	55	57	60	62	65	
a=2 (t)	5.27	4.96	4.56	4.31	3.99	3.79	3.52	3.35	3.13	2.99	2.80	
a=4 (t)	5.07	4.76	4.36	4.11	3.79	3.59	3.32	3.15	2.93	2.79	2.60	

- Max. working range 70m, tip lifting weight 2.1T and Max lifting weight 12T.
- Slewing mechanism and trolleying mechanism all take VVVF+PLC technical control.
- Outstanding in working efficiency, operating speed and stability. Reduce future maintenance cost.

LOADING DIAGRAM

60m jib length:

R		22	25	27	30.6	31.8	32.4	35	37	40
a=2 (t)	6t—39.85m									5.98
a=4 (t)	12t—21.35m	11.60	10.05	9.21	7.96	7.61	7.45	6.79	6.35	5.78
R	42	45	47	50	52	55	57	60		
a=2 (t)	5.64	5.18	4.91	4.55	4.33	4.03	3.85	3.60		
a=4 (t)	5.44	4.98	4.71	4.35	4.13	3.83	3.65	3.40		

55m jib length:

R		23	25	27	29	32.8	33.7	34.3	35	37	39
a=2 (t)	6t—42.70m										
a=4 (t)	12t—22.87m	11.92	10.86	9.96	9.18	7.96	7.71	7.55	7.37	6.90	6.48
R	41	43	45	47	49	51	53	55			
a=2 (t)	6t—42.70m	5.95	5.63	5.34	5.08	4.84	4.61	4.40			
a=4 (t)	6.10	5.75	5.43	5.14	4.88	4.64	4.41	4.20			

50m jib length:

R		24	26	28	30	33.1	34.7	35.4	38
a=2 (t)	6t—43m								
a=4 (t)	12t—23.04m	11.46	10.48	9.63	8.90	7.94	7.51	7.34	6.74
R	40	42	44	46	48	50			
a=2 (t)	6t—43m	5.84	5.53	5.26	5.00				
a=4 (t)	6.34	5.97	5.64	5.33	5.06	4.80			



Technical Sheet for TC7021

Item		Parameter			
Free standing height (m)		50			
Max height with attachment (m)		200			
Working range can be adjusted (m)		40、45、50、55、60、65、70			
Min working range (m)		2.5			
Max lifting capacity (t)		12			
Tip load @ 70m (t)		2.1			
Hoist mechanism (VFD+PLC)	Falls	2		4	
	Lifting capacity (t)	0—3	0—6	0—6	0—12
	Speed (m/min)	0—80	0—40	0—40	0—20
	Motor	YZPBF250-4-55KW			
Trolleying mechanism (VFD+PLC)	Speed (m/min)	0-56			
	Motor	YPBE132M-4-7.5KW			
Slewing mechanism (VFD+PLC)	Speed (r/min)	0-0.6			
	Motor	YLEW112M-6-120N.M×2			
Climbing speed (m/min)		0.5			
Counterweight (t)		23.6			
Mast section size (L×W×H) m		2×2×3			
Working temperature		-40—+60℃			
Total power (KW)		95			
Cable type (within 30 meters from site power source to lower electric box of tower crane)		50mm ² (3+2, 5 cores)			
Startup voltage & current		380V×95%=361V 260A			
Rated working voltage & current		380V 146A			



CNBM CNBM International Corporation

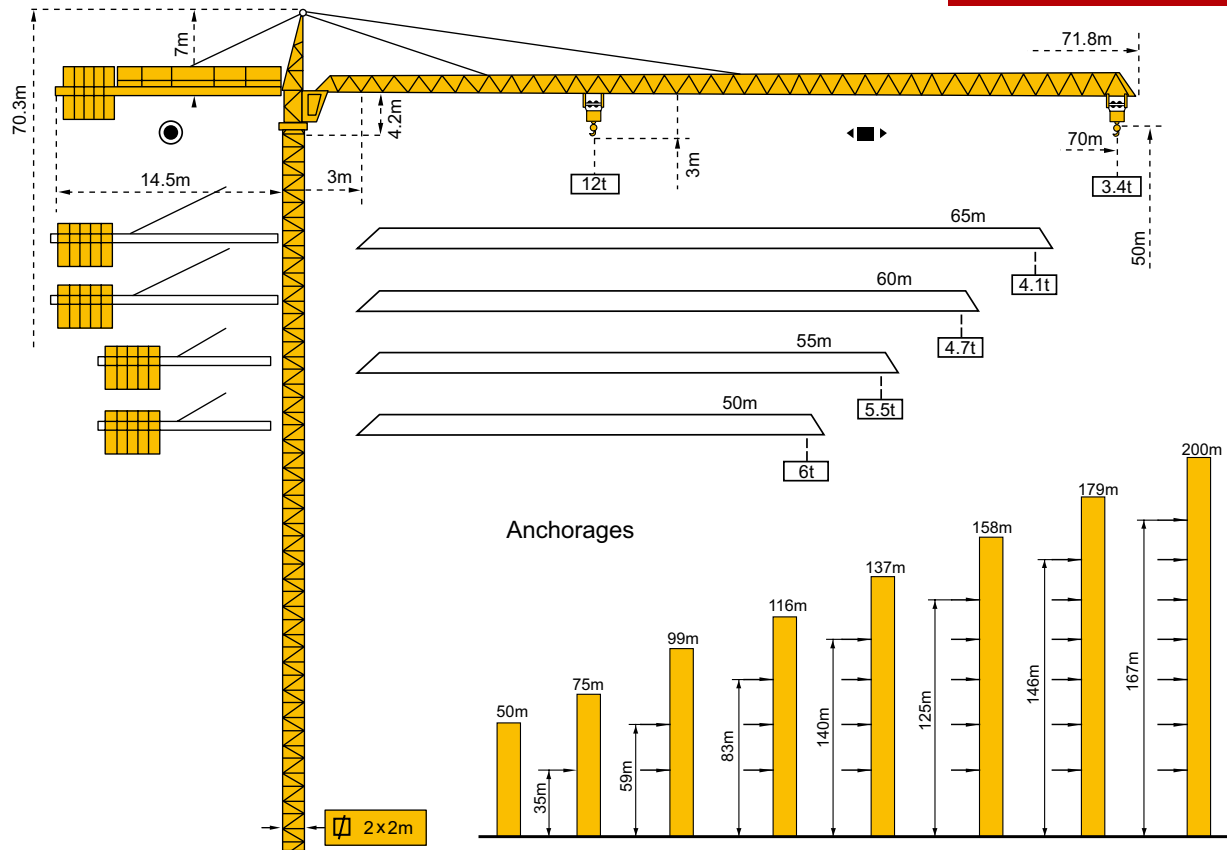
17th Floor, NO.4 Building, Zhu Yu Business Center,
NO.9 Shou Ti South Road, Hai Dian Dist., Beijing, 100048, China

Tel: (0086-10)6879 6340 Fax: (0086-10)6879 6677

Website: www.cnbm.com.cn www.cnbmmech.com www.cmaxmachinery.com

E-mail: cnbmmech@icnbn.com

TC7034



Note: For the height more than 200m after anchoring, please consult us!

LOADING DIAGRAM

70m jib length											
Radius (m)	23.92	25	30	35	40	45	50	55	60	65	70
2 falls (t) 	6.00					5.75	5.33	4.75	4.09	3.71	3.40
4 falls (t) 	12.00	11.4	9.18	7.62	6.45	5.25	4.83	4.25	3.59	3.2	3.00
65m jib length											
Radius (m)	25	30	35	40	47.4	50	55	60	65		
2 falls (t) 	6.00					5.6	5.02	4.51	4.08		
4 falls (t) 	12.00	9.68	8.05	6.83	5.88	5.13	4.52	4.01	3.48		
60m jib length											
Radius (m)	25.75	30	35	40	45	50	55	60			
2 falls (t) 	6.00					5.84	5.20	4.68			
4 falls (t) 	12.00	10.3	8.34	7.08	6.11	5.34	4.70	4.18			
55m jib length											
Radius (m)	25.87	30	35	40	45	48	50.85	53	55		
2 falls (t) 	6.00							5.73	5.5		
4 falls (t) 	6.00	10.16	8.52	7.31	6.36	5.9	5.62	5.23	5.0		
50m jib length											
Radius (m)	26.755	30	35	40	43	45	48	50			
2 falls (t) 	6.00										
4 falls (t) 	6.00	10.55	8.86	7.6	6.99	6.63	6.14	5.85			

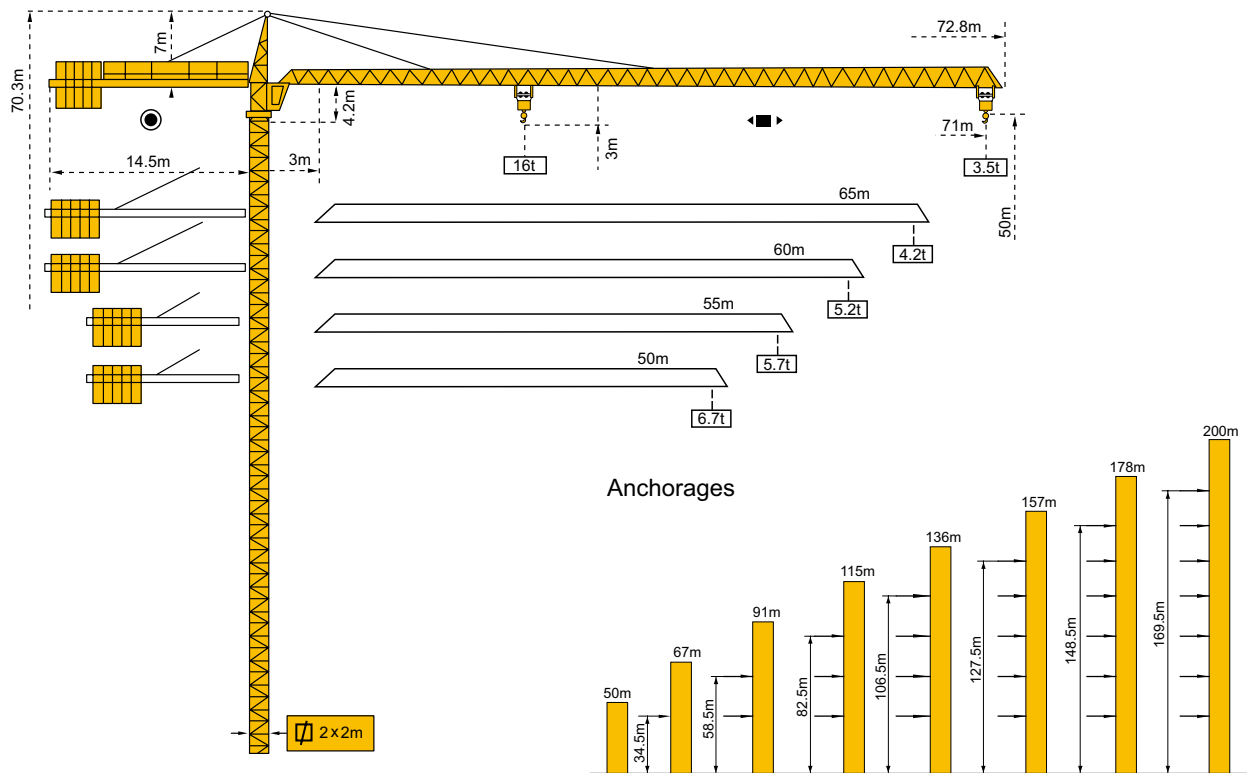
- Max. working range 70m, tip lifting weight 3.4T and Max lifting weight 12T.
- Slewing mechanism and trolleying mechanism all take VVVF+PLC technical control.
- Outstanding in working efficiency, operating speed and stability. Reduce future maintenance cost.

Technical Sheet for TC7034

Item		Parameter			
Free standing height (m)		50			
Max height with attachment (m)		200			
Working range can be adjusted (m)		50、55、60、65、70			
Min working range (m)		2.5			
Max lifting capacity (t)		12			
Tip load @ 70m (t)		3.4			
Hoist mechanism (VFD+PLC)	Falls	2		4	
	Lifting capacity (t)	0—3	0—6	0—6	0—12
	Speed (m/min)	0—80	0—40	0—40	0—20
	Motor	YZPBF250-4-55KW			
Trolleying mechanism (VFD+PLC)	Speed (m/min)	0-56			
	Motor	YPBE132M-4-7.5KW			
Slewing mechanism (VFD+PLC)	Speed (r/min)	0-0.6			
	Motor	YLEW112M-6-120N.M×2			
Climbing speed (m/min)		0.5			
Counterweight (t)		26			
Mast section size (L×W×H) mm		2000×2000×3000			
Working temperature		-40—+60℃			
Max working wind (m/s)		20			
Total power (KW)		95			
Rated working voltage & current		380V / 146A			



TC7135



LOADING DIAGRAM

Note: For the height more than 200m after anchoring, please consult us!

70m jib length										
Radius (m)	3.7~18.26	20	26	32	38	44	50	56	64	70
4 falls (t)	16	14.48	10.77	8.45	6.87	5.71	4.84	4.15	3.43	3
Radius (m)	4.7~35.36	36	42	48	54	60	66	71		
2 falls (t)	8	7.98	6.58	5.64	4.9	4.32	3.84	3.5		
65m jib length										
Radius (m)	3.7~19.55	21	27	33	39	45	51	57	61	65
4 falls (t)	16	14.79	11.15	8.83	7.23	6.05	5.15	4.44	4.05	3.7
Radius (m)	4.7~38	39	45	51	57	63	66			
2 falls (t)	8	7.77	6.61	5.72	5.02	4.45	4.2			
60m jib length										
Radius (m)	3.7~21.45	22	28	34	40	46	52	56	60	
4 falls (t)	16	15.57	11.89	9.51	7.84	6.61	5.67	5.15	4.7	
Radius (m)	4.7~41.9	44	50	56	58	61				
2 falls (t)	8	7.58	6.56	5.75	5.52	5.2				
55m jib length										
Radius (m)	3.7~21.54	23	29	35	41	47	51	53	55	
4 falls (t)	16	14.89	11.48	9.24	7.65	6.47	5.84	5.56	5.3	
Radius (m)	4.7~41.6	43	45	47	49	51	53	55	56	
2 falls (t)	8	7.71	7.33	6.98	6.65	6.35	6.08	5.82	5.7	
50m jib length										
Radius (m)	3.7~22.4	24	30	36	38	42	46	50		
4 falls (t)	16	14.85	11.56	9.37	8.79	7.8	6.99	6.3		
Radius (m)	4.7~43.6	44	46	48	50	51				
2 falls (t)	8	7.92	7.53	7.18	6.85	6.7				

- Max. working range 71m, tip lifting weight 3.5T and Max lifting weight 16T.
- Slewing mechanism and trolleying mechanism all take VVVF+PLC technical control.
- Take double-trolley type, greatly enhance lifting performance.

Technical Sheet for TC7135

Item		Parameter			
Free standing height (m)		50			
Max height with attachment (m)		200			
Working range can be adjusted (m)		50、55、60、65、71			
Min working range (m)		2.5			
Max lifting capacity (t)		16			
Tip load @ 71m (t)		3.5			
Hoist mechanism (VFD+PLC)	Falls	2		4	
	Lifting capacity (t)	0—4	0—8	0—8	0—16
	Speed (m/min)	0—80	0—40	0—40	0—20
	Motor	YZPBF280-8-55KW			
Trolleying mechanism (VFD+PLC)	Speed (m/min)	0-56			
	Motor	YPBE132M-4-7.5KW			
Slewing mechanism (VFD+PLC)	Speed (r/min)	0-0.6			
	Motor	YLEW112M-6-120N.M×2			
Climbing speed (m/min)		0.5			
Counterweight (t)		26			
Mast section size (L×W×H) mm		2000×2000×3000			
Working temperature		-40—+60℃			
Max working wind (m/s)		20			
Total power (KW)		95			
Rated working voltage & current		380V / 146A			

Safety Monitor & Management System For Option

Our tower crane is equipped with Safety Monitor & Management System. It can do:

- Keep records of 1600 working recycles
- Auto-reject misoperation and keep the record
- LCD display working condition for avoiding misoperation
- CAN based communication
- Non-contact measurement, easily fixed
- Overload protection


CNBM
CNBM International Corporation

17th Floor, NO.4 Building, Zhu Yu Business Center,
NO.9 Shou Ti South Road, Hai Dian Dist., Beijing, 100048, China

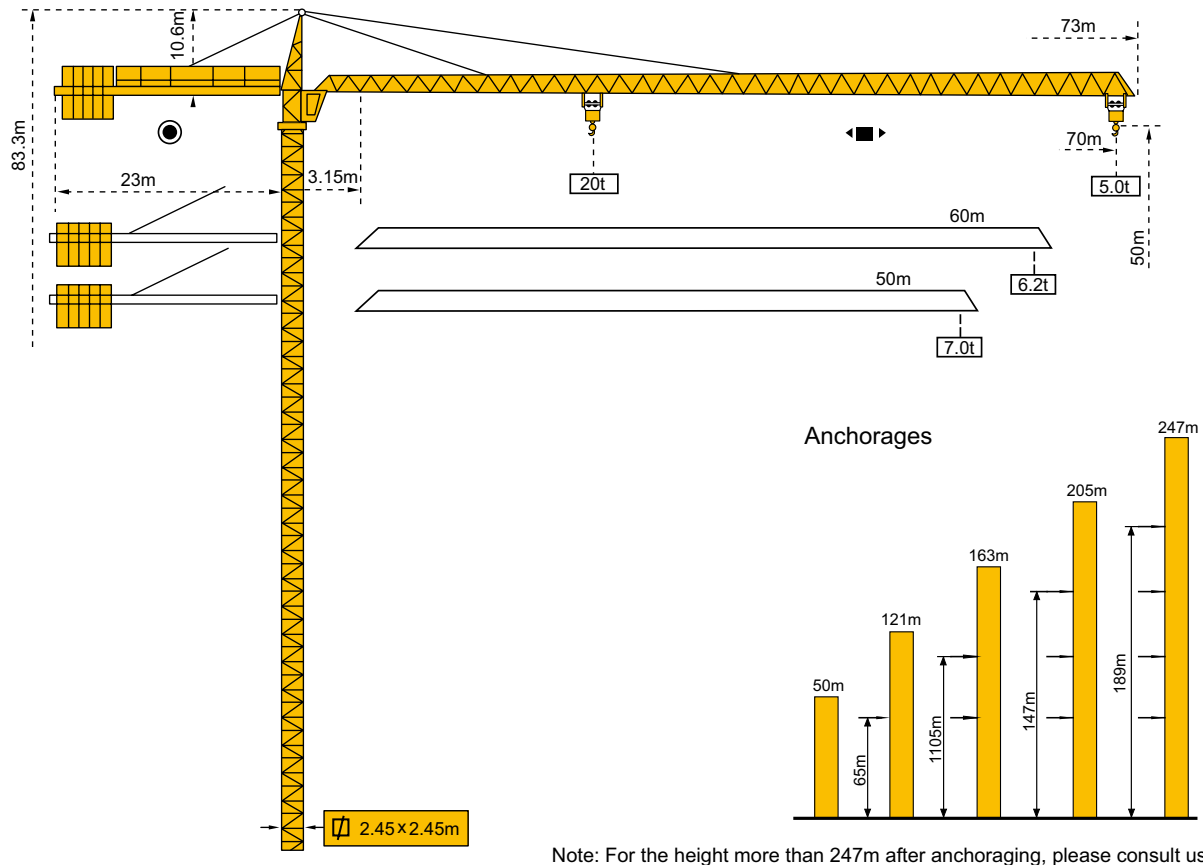
Tel: (0086-10)6879 6340

Fax: (0086-10)6879 6677

Website: www.cnbm.com.cn www.cnbmmech.com www.cmaxmachinery.com

E-mail: cnbmmech@icnbn.com

TC7050



LOADING DIAGRAM

70m jib length											
R	3.7~22.72	24	30	36	42	48	54	60	66	68	70
a=4 (t) 	20	18.74	14.35	11.47	9.44	7.93	6.77	5.84	5.08	4.86	4.65
R	4.7~41.3	42	48	54	60	66	68	70			
a=2 (t) 	10	9.79	8.28	7.12	6.19	5.43	5.21	5			
60m jib length											
R	3.7~22.75	24	30	36	42	48	54	56	58	60	
a=4 (t) 	20	18.78	14.38	11.49	9.46	7.95	6.78	6.45	6.14	5.85	
R	4.7~41.36	42	48	50	54	56	58	60			
a=2 (t) 	10	9.81	8.3	7.88	7.13	6.8	6.49	6.2			
50m jib length											
R	3.7~22.8	24	30	36	42	48	50				
a=4 (t) 	20	18.83	14.73	11.84	9.49	7.97	7.55				
R	4.7~41.45	42	44	46	48	50					
a=2 (t) 	10	9.84	9.29	8.78	8.32	7.9					

- Max. working range 70m, tip lifting weight 5.0T and Max lifting weight 20T.
- Slewing mechanism equipped with two sets moment motor of HL 185.250.195 mechanism, stable braking and less shock when shifting.
- Trolley mechanism equipped with moment motor of 12DVF mechanism.

Technical Sheet for TC7050

Item		Parameter			
Free standing height (m)		50			
Max height with attachment (m)		200			
Working range can be adjusted (m)		50、55、60、65、70			
Min working range (m)		2.5			
Max lifting capacity (t)		20			
Tip load @ 70m (t)		5			
Hoist mechanism (VFD+PLC)	Falls	2		4	
	Lifting capacity (t)	0—5	0—10	0—10	0—20
	Speed (m/min)	0—80	0—40	0—40	0—20
	Motor	YZPBF280S-4-75KW			
Trolleying mechanism (VFD+PLC)	Speed (m/min)	0-60			
	Motor	YPBE132M-4-11KW			
Slewing mechanism (VFD+PLC)	Speed (r/min)	0-0.6			
	Motor	YTRVF 132M2-4-9KW×3			
Climbing speed (m/min)		0.45			
Counterweight (t)		25			
Mast section size (L×W×H) mm		2450×2450×5000 / 2500 x 2500 x 6000			
Working temperature		-40—+60℃			
Max working wind (m/s)		20			
Total power (KW)		115			
Rated working voltage & current		380V 273A			

Safety Monitor & Management System For Option

Our tower crane is equipped with Safety Monitor & Management System. It can do:

- Keep records of 1600 working recycles
- Auto-reject misoperation and keep the record
- LCD display working condition for avoiding misoperation
- CAN based communication
- Non-contact measurement, easily fixed
- Overload protection


CNBM
CNBM International Corporation

17th Floor, NO.4 Building, Zhu Yu Business Center,
NO.9 Shou Ti South Road, Hai Dian Dist., Beijing, 100048, China

Tel: (0086-10)6879 6340

Fax: (0086-10)6879 6677

Website: www.cnbm.com.cn www.cnbmmech.com www.cmaxmachinery.com

E-mail: cnbmmech@icnbn.com



Tower Crane
www.cnbmmech.com



Tower Crane



CNBM INTERNATIONAL CORPORATION

17th Floor, NO.4 Building, Zhu Yu Business Center,
NO.9 Shou Ti South Road, Hai Dian Dist., Beijing, 100048, China

Tel: (0086-10)6879 6340

Fax: (0086-10)6879 6677

Website: www.cnbm.com.cn www.cnbmmech.com

www.cmaxmachinery.com

E-mail: cnbmmech@icnbn.com



CNBM

CNBM International Corporation