QUALITY CHANGES THE WORLD

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For our consistent improvement in techonology, specifications may change without notice.
The machines illustrated may show optional equipment which can be supplied at additional cost.

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SANY

SANY TOWER CRANE
SFT258(T7021-12)

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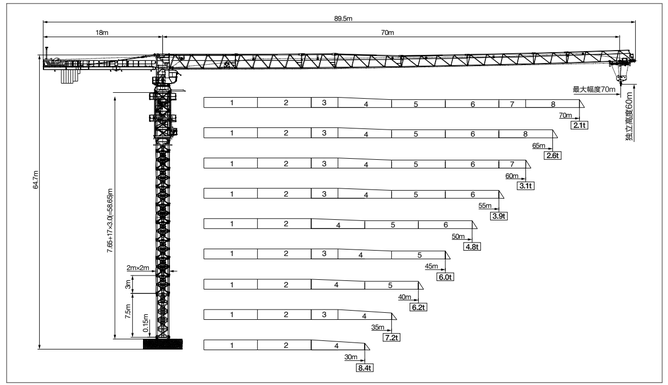
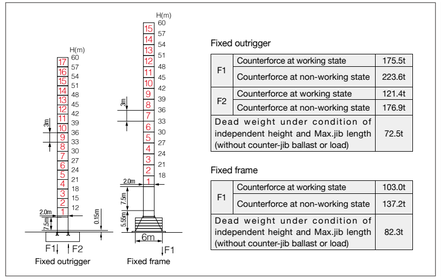
Jib Length & Tip Load



Counter-jib Ballast

Jib length (m)	Total weight of counterweight (t)	3.2t counterweight (blocks)	2.8t counterweight (blocks)	1.8t counterweight (blocks)
70	23.40	5	2	1
65	21.60	5	2	0
60	20.60	5	1	2
55	18.80	5	1	0
50	17.00	3	2	1
45	17.00	3	2	1
40	13.80	2	2	1
35	12.80	4	0	0
30	9.60	3	0	0

Masts



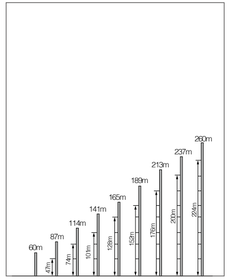
Fixed outrigger

F1	Counterforce at working state	175.5t
	Counterforce at non-working state	223.6t
F2	Counterforce at working state	121.4t
	Counterforce at non-working state	176.9t
Dead weight under condition of independent height and Max.jib length (without counter-jib ballast or load)		72.5t

Fixed frame

F1	Counterforce at working state	103.0t
	Counterforce at non-working state	137.2t
Dead weight under condition of independent height and Max.jib length (without counter-jib ballast or load)		82.3t

Anchorages

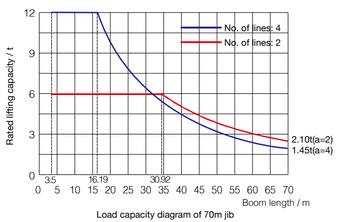


Load diagrams

Range (m)	Max. lifting capacity	3.50	18	20	22	25	28	30	32	35	38	40	42
70	3.5-30.92/6t	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.76	5.17	4.68	4.40	4.14
	3.5-16.19/12t	12.00	10.57	9.30	8.27	7.05	6.10	5.57	5.11	4.53	4.04	3.75	3.49
65	3.5-33.39/6t	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.68	5.14	4.83	4.56
	3.5-17.45/12t	12.00	11.57	10.19	9.08	7.76	6.73	6.16	5.66	5.03	4.50	4.19	3.91
60	3.5-35.15/6t	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.47	5.14	4.85
	3.5-18.35/12t	12.00	12.00	10.83	9.65	8.26	7.17	6.57	6.05	5.38	4.82	4.50	4.20
55	3.5-38.53/6t	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.74	5.42
	3.5-20.07/12t	12.00	12.00	12.00	10.76	9.23	8.03	7.37	6.80	6.07	5.45	5.09	4.77
50	3.5-41.46/6t	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.91
	3.5-21.56/12t	12.00	12.00	12.00	11.72	10.06	8.78	8.07	7.45	6.66	6.00	5.61	5.26
45	3.5-45.00/6t	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	3.5-23.36/12t	12.00	12.00	12.00	12.00	11.08	9.68	8.91	8.24	7.38	6.65	6.24	5.86
40	3.5-40.00/6t	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	
	3.5-23.27/12t	12.00	12.00	12.00	12.00	11.03	9.63	8.87	8.20	7.34	6.62	6.20	
35	3.5-35.00/6t	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00			
	3.5-22.92/12t	12.00	12.00	12.00	12.00	10.83	9.46	8.71	8.05	7.20			
30	3.5-30.00/6t	6.00	6.00	6.00	6.00	6.00	6.00	6.00					
	3.5-22.27/12t	12.00	12.00	12.00	12.00	10.47	9.14	8.40					

Range (m)	Max. lifting capacity	45	48	50	52	55	58	60	63	65	68	70
70	3.5-30.92/6t	3.80	3.50	3.32	3.15	2.93	2.73	2.61	2.44	2.33	2.19	2.10
	3.5-16.19/12t	3.15	2.85	2.67	2.51	2.28	2.08	1.96	1.79	1.69	1.54	1.45
65	3.5-33.39/6t	4.18	3.86	3.67	3.49	3.25	3.03	2.90	2.71	2.60		
	3.5-17.45/12t	3.54	3.21	3.02	2.84	2.60	2.38	2.25	2.07	1.95		
60	3.5-35.15/6t	4.46	4.12	3.91	3.73	3.47	3.24	3.10				
	3.5-18.35/12t	3.81	3.47	3.27	3.08	2.82	2.59	2.45				
55	3.5-38.53/6t	4.99	4.61	4.39	4.18	3.90						
	3.5-20.07/12t	4.34	3.97	3.74	3.53	3.25						
50	3.5-41.46/6t	5.45	5.04	4.80								
	3.5-21.56/12t	4.80	4.40	4.15								
45	3.5-45.00/6t	6.00										
	3.5-23.36/12t	5.35										

Load Capacity Diagram



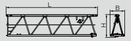
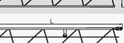
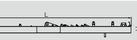
Load capacity diagram of 70m jib

Transmission Mechanism

		Model	Power	Speed
Slewing	↻	SHJ100A7.5P	2×7.5kw	0~0.8r/min
Luffing	← →	SXJ55.70P	5.5kw	0~75m/min
Lifting	↑ ↓	55QP30A	55kw	0~88m/min

Note: if working rope capacity is greater than 640m, please contact manufacturer.

Packing List

No.	Name	Shape	L(m)	B(m)	H(m)	Weight of single piece (t)	Qty.
1	The tip of jib		1.71	0.86	1.36	0.15	1
2	Jib system I		10.26	1.64	2.56	3.70	1
3	Jib system II		10.37	1.46	2.48	2.75	1
4	Jib system III		5.33	1.46	2.45	1.14	1
5	Jib system IV		10.28	1.46	2.43	1.67	1
6	Jib system V		10.23	1.46	1.95	1.30	1
7	Jib system VI		10.18	1.46	1.91	0.97	1
8	Jib system VII		5.15	1.46	1.88	0.40	1
9	Jib system VIII		10.12	1.46	1.88	0.67	1
10	Jib system IX		4.90	1.62	2.48	3.77	1
11	Strengthen Section assembling		1.52	0.32	1.79	0.54	1
12	Hook		2.59	2.59	2.46	4.13	1
13	Slewing assembly		1.92	1.25	2.25	0.75	1
14	Trolley assembly		3.24	2.35	1.30	0.67	1
15	Counter- jib sectionI		6.10	1.55	0.97	1.47	1
16	Counter- jib sectionII		11.15	1.55	1.01	3.07	1
17	Counter- jib Section III		7.81	2.09	2.09	4.38	1
18	Basic section		3.31	2.13	2.13	1.46	17
19	Standard section		7.67	2.61	2.91	4.93	1