



Quality Changes The World

SLT160H(T5522-12)

SANY Tower Crane

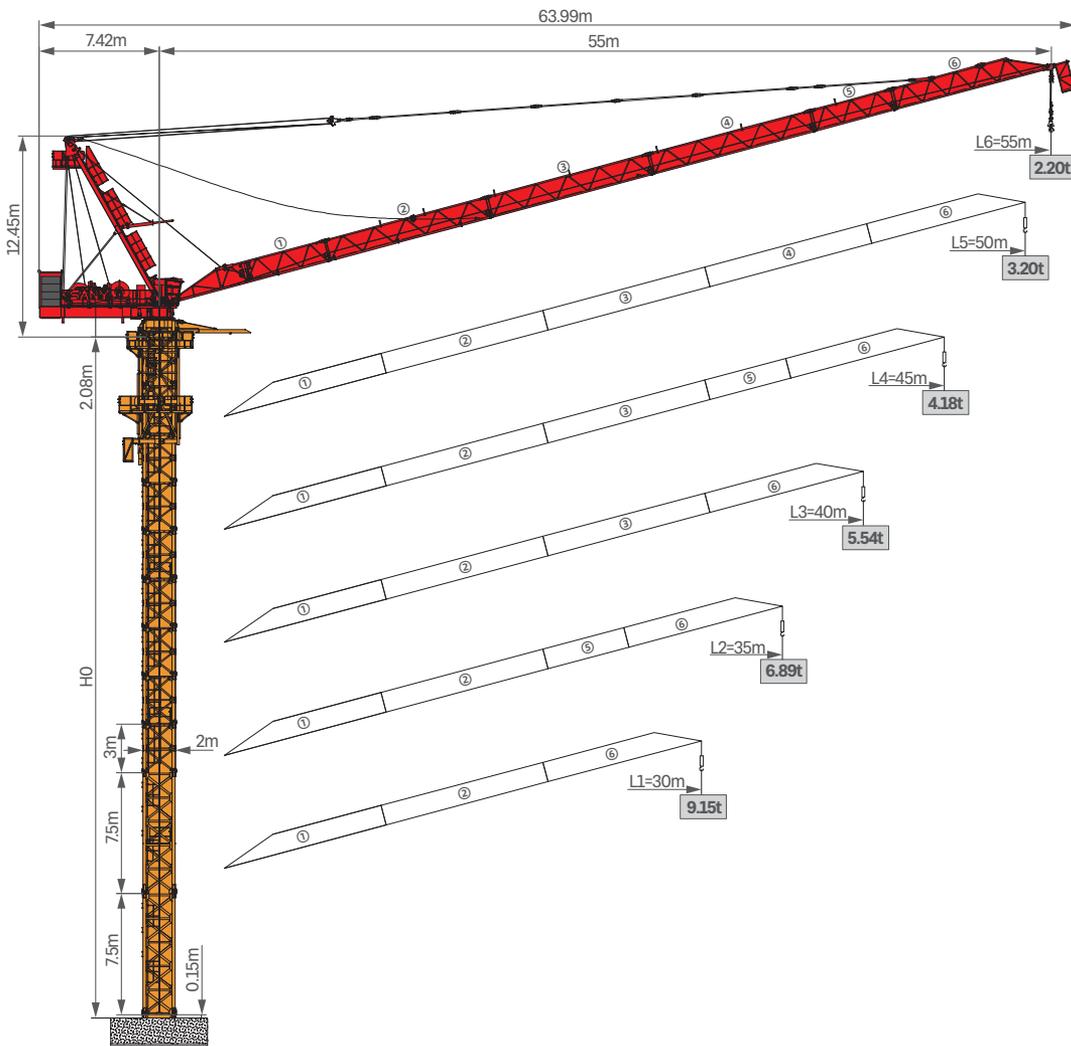


**Better World
Better SANY Crane**

SANY CRANE



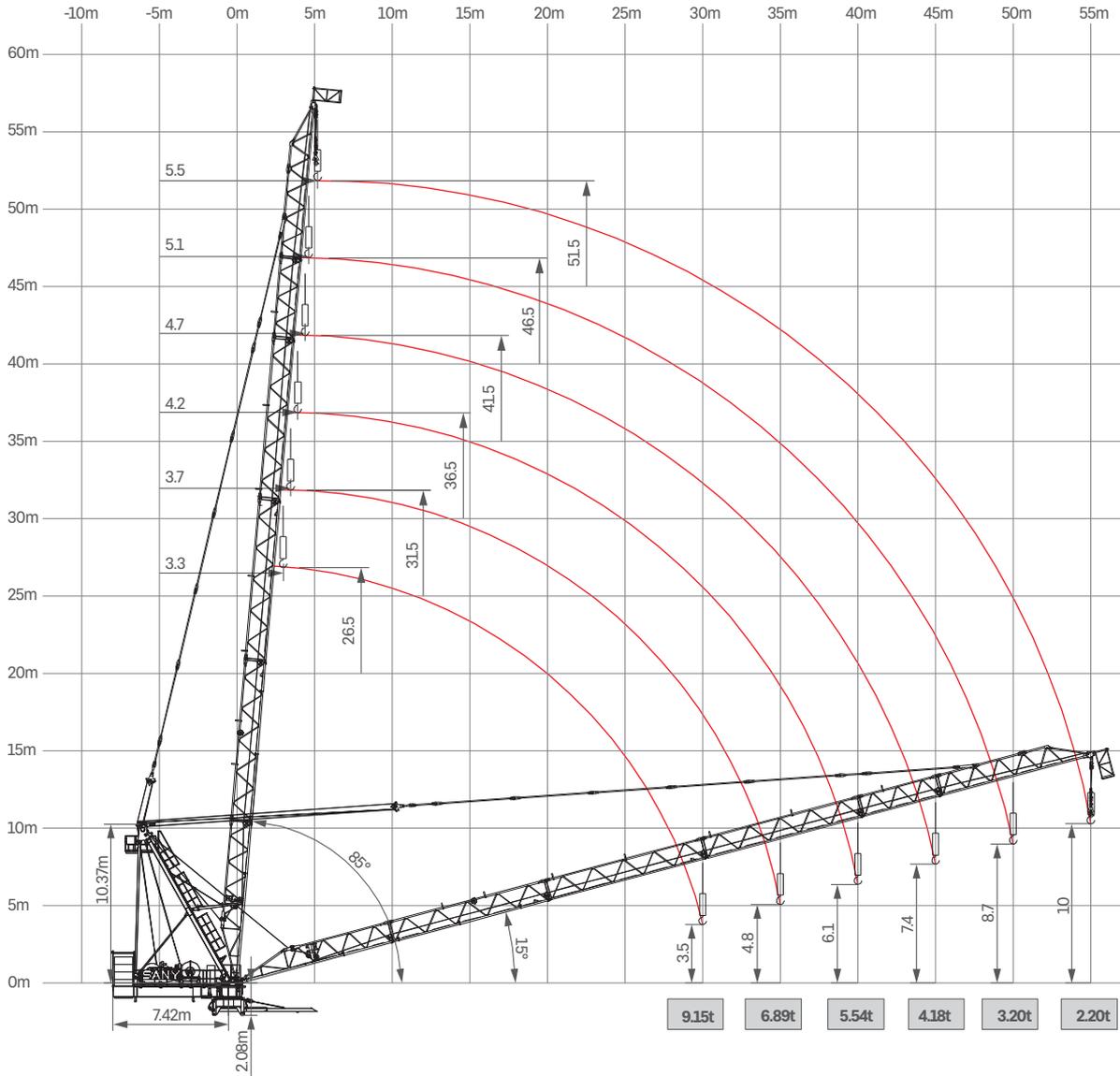
Jib Length & Tip Load



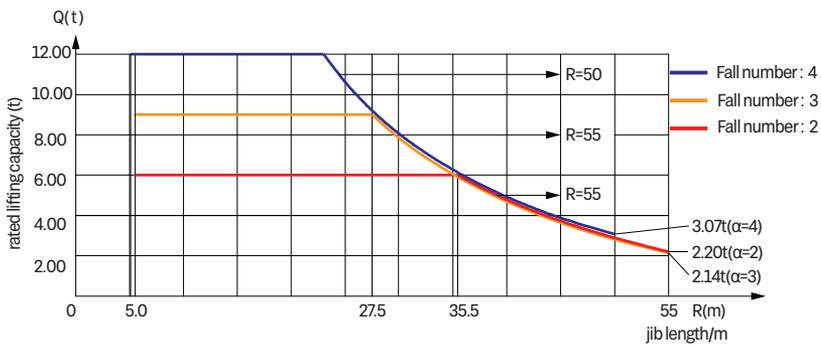
Counter-jib Ballast

counter-jib length (m)	jib length (m)	total counter weight (t)	5.5t counter weight	5.0t counter weight
6.2	55	20.5	1	3
6.2	50	20.5	1	3
6.2	45	20.5	1	3
6.2	40	20.5	1	3
6.2	35	20.5	1	3
6.2	30	20.5	1	3

luffing



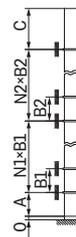
Curve of Lifting Capacity



Anchorage

H (jib root hinge)

Height of tie at different jib length



The max. radius	0(m)	A(m)	B1(m)	N1	B2(m)	N2	C(m)	H(m)
30m	0.2	49.5	30	4	27	2	33.5	257.2
35m	0.2	46.5	24	5	21	3	27.5	257.2
40m	0.2	43.5	21	6	18	3	24.5	248.2
45m	0.2	40.5	18	4	15	7	21.5	239.2
50m	0.2	37.5	18	4	15	7	21.5	236.2
55m	0.2	37.5	15	5	12	9	18.5	239.2

Note: height of jib root hinge $H=0+A+B1 \times N1+B2 \times N2+C$

Load Diagrams

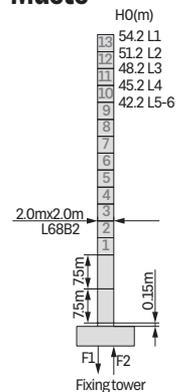
Range	Max. lifting capacity	15	20	25	30	35	40	45	50	55
55	5.5-35.5/6t	6.00	6.00	6.00	6.00	6.00	4.78	3.73	2.89	2.20
	5.5-27.5/9t	9.00	9.00	9.00	7.86	6.05	4.69	3.64	2.81	2.14
50	5.1-36.6/6t	6.00	6.00	6.00	6.00	6.00	5.10	4.04	3.20	
	5.1-28.2/9t	9.00	9.00	9.00	8.18	6.36	5.01	3.96	3.13	
	5.1-23.0/12t	12.00	12.00	10.62	8.08	6.27	4.92	3.88	3.07	
45	4.7-37.0/6t	6.00	6.00	6.00	6.00	6.00	5.24	4.18		
	4.7-28.5/9t	9.00	9.00	9.00	8.31	6.50	5.15	4.11		
	4.7-23.2/12t	12.00	12.00	10.76	8.21	6.41	5.06	4.04		
40	4.2-38.0/6t	6.00	6.00	6.00	6.00	6.00	5.54			
	4.2-29.2/9t	9.00	9.00	9.00	8.63	6.81	5.46			
	4.2-23.6/12t	12.00	12.00	11.08	8.53	6.72	5.38			
35	3.7-35.0/6t	6.00	6.00	6.00	6.00	6.00				
	3.7-29.3/9t	9.00	9.00	9.00	8.70	6.89				
	3.7-23.7/12t	12.00	12.00	11.15	8.61	6.81				
30	3.3-30.0/6t	6.00	6.00	6.00	6.00					
	3.3-30.0/9t	9.00	9.00	9.00	9.00					
	3.3-24.5/12t	12.00	12.00	11.69	9.15					

Transmission Mechanisms

	Model	Power	Speed
	YPEF132M1-4-F1 YPF132M1-4-B	2 × 7.5kW	0~0.7r/min
	YZTP250M-6	45kW	≤2min
	YZTP250M3-4	55kW	0~126m/min
	380V(±10%), 50Hz		

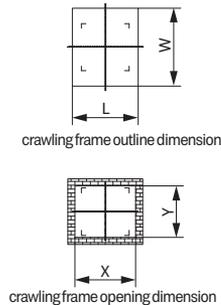
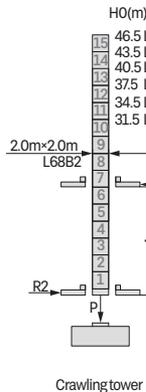
Note: Contact with us when hoisting rope capacity is larger than 600m

Masts



F1	counter force on working condition	165t
	counter force on non-working condition	315t
F2	counter force on working condition	124t
	counter force on non-working condition	277t
independent height, dead weight at the max.jib length (counter weight, lifting weight and ballast excluded)		63t

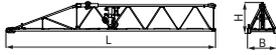
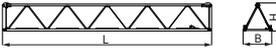
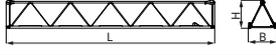
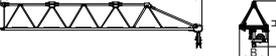
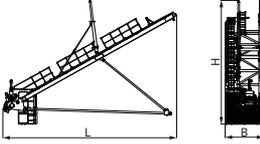
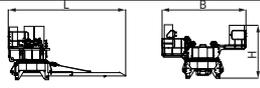
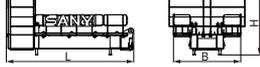
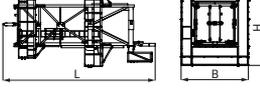
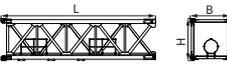
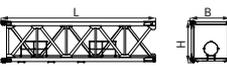
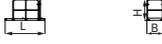
jib length (m)	H(m)	mark
30m	56.2	L1
35m	53.2	L2
40m	50.2	L3
45m	47.2	L4
50m	44.2	L5
55m	44.2	L6



Hmax=239m L=2.78m W=3.29m X=2.58m Y=2.17m				
mark	P	A	R1	R2
L1	85.6t	18.0m	32.1t	15.1t
L2	84.8t	21.0m	31.1t	13.7t
L3	83.8t	21.0m	31.4t	14.0t
L4	83.0t	21.0m	31.3t	14.3t
L5	81.9t	21.0m	31.4t	14.8t
L6	78.1t	18.0m	37.8t	20.6t

jib length (m)	H(m)	mark
30m	48.5	L1
35m	45.5	L2
40m	42.5	L3
45m	39.5	L4
50m	36.5	L5
55m	33.5	L6

Packing List

NO.	Description	Sketch	L(m)	B(m)	H(m)	Weight of single piece	Q.T.Y
1	Jib section I		10.56	1.44	1.56	1.621	1
2	Jib section II		10.51	1.43	1.41	1.129	1
3	Jib section III		10.51	1.43	1.40	0.995	1
4	Jib section IV		10.51	1.43	1.40	0.952	1
5	Jib section V		5.34	1.43	1.40	0.527	1
6	Jib section VI		10.06	1.43	2.31	1.364	1
7	A frame assembly		10.47	2.32	7.49	3.941	1
8	Counter jib strut		7.06	5.06	4.10	7.574	1
9	Counter jib		6.41	3.39	3.24	4.480	1
10	Telescoping cage		9.19	4.08	4.57	6.111	1
11	Standard mast L6882		3.27	2.11	2.11	1.458	9
12	Basic mast		7.76	2.11	2.11	4.385	1
13	Basic mast		7.76	2.11	2.11	5.394	1
14	Platform		2.01	0.81	1.06	0.069	4
15	Hook		1.04	0.39	2.03	0.356	1
16	Cabin		2.28	1.41	2.18	0.400	1
17	Hoisting Mechanism		2.59	2.08	1.54	3.225	1
18	Luffing Mechanism		2.95	2.32	1.42	3.459	1



SANY GROUP CRANE BU

SANY Tower Crane Industrial Park, No.168 Jinzhou Avenue, Jinzhou Development Zone, Changsha City,
Hunan Province, P.R. China Zip 410600
Consulting sanycrane@sanygroup.com (Crane BU) / crd@sany.com.cn (IHQ)
After-sales Service 0086-400 6098 318

Reminder:

Any change in the technical parameters and configuration due to product modification or upgrade may occur without prior notice. The machine in the picture may include additional equipment. This brochure is for reference only, and goods in kind shall prevail.

Copyright at SANY. No part of this brochure may be copied or used for any purpose without written approval from SANY.

© Edited in October 2021

