Star Crane

STT 5513-6S

Experts in the field

www.starcranes.com info@starcranes.com

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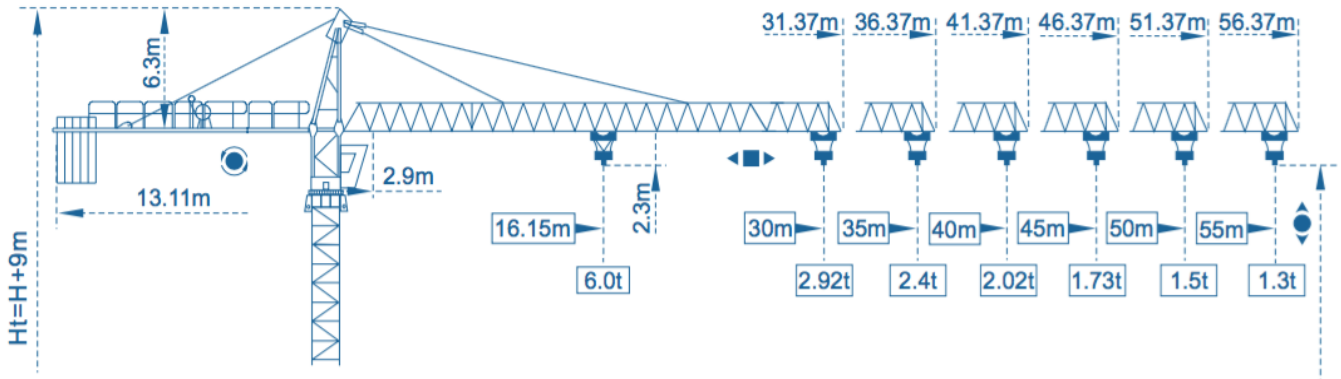
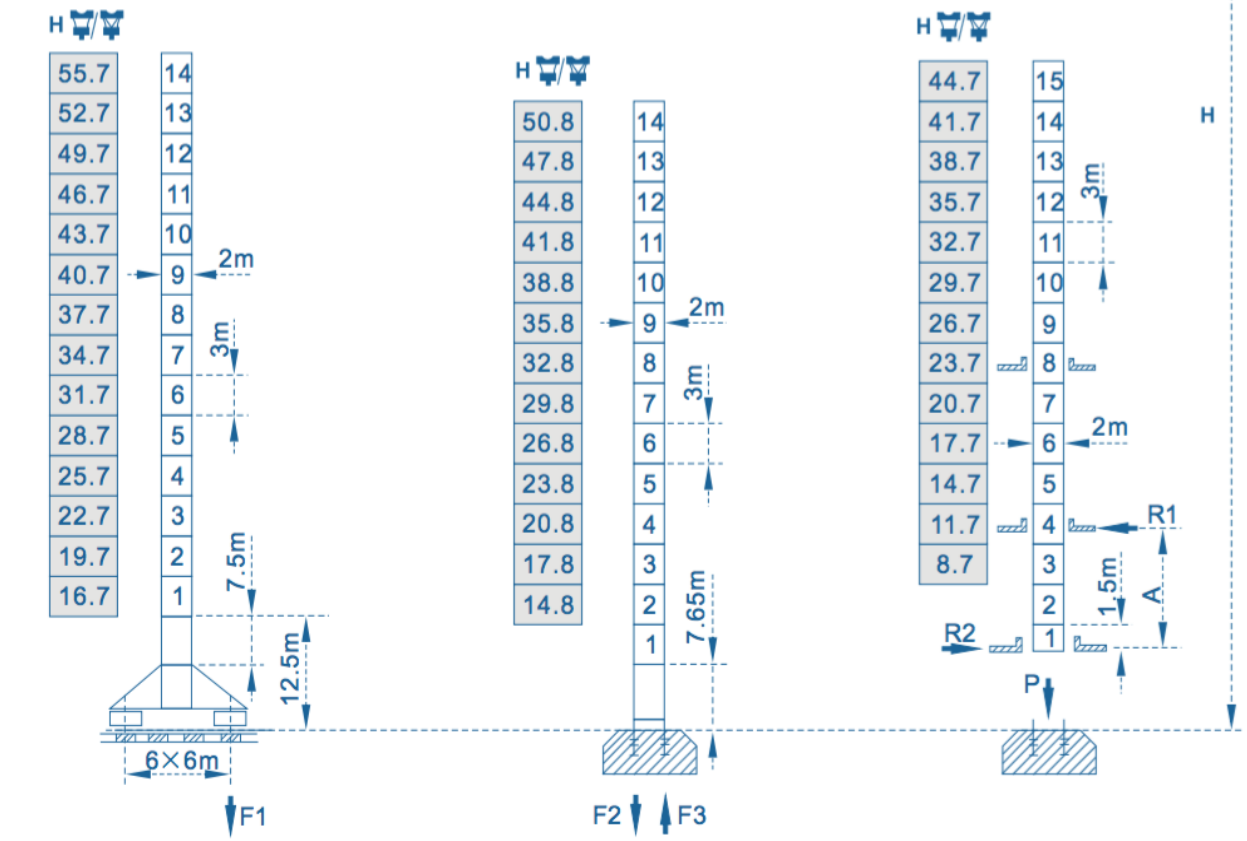
Outline Dimensions



Mast ⍁2m x 2m



F1	●93t	■117t
	75t	

F2	●110t	■180t
F3	● 66t	■146t
	65t	

P	R1	R2
80t	25t	21.5t
	68.5t	

● In service ■ Out of service

Without load and ballast with longest jib and maximum height

F= Reactions

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Load diagrams

Jib

55m

m	2.9→16.15	18	20	22	24	26	28	28.5	29.3	32	34	35	38	40	42	45	48	50	52	55
t	6	5.27	4.65	4.14	3.72	3.37	3.07	3	3	2.69	2.50	2.40	2.16	2.02	1.90	1.73	1.58	1.50	1.41	1.30

50m

m	2.9→16.15	18	20	22	24	26	28	28.5	29.3	32	34	35	38	40	42	45	48	50
t	6	5.27	4.65	4.14	3.72	3.37	3.07	3	3	2.69	2.50	2.40	2.16	2.02	1.90	1.73	1.58	1.50

45m

m	2.9→16.15	18	20	22	24	26	28	28.5	29.3	32	34	35	38	40	42	45
t	6	5.27	4.65	4.14	3.72	3.37	3.07	3	3	2.69	2.50	2.40	2.16	2.02	1.90	1.73

40m

m	2.9→16.15	18	20	22	24	26	28	28.5	29.3	32	34	35	38	40
t	6	5.27	4.65	4.14	3.72	3.37	3.07	3	3	2.69	2.50	2.40	2.16	2.02

35m

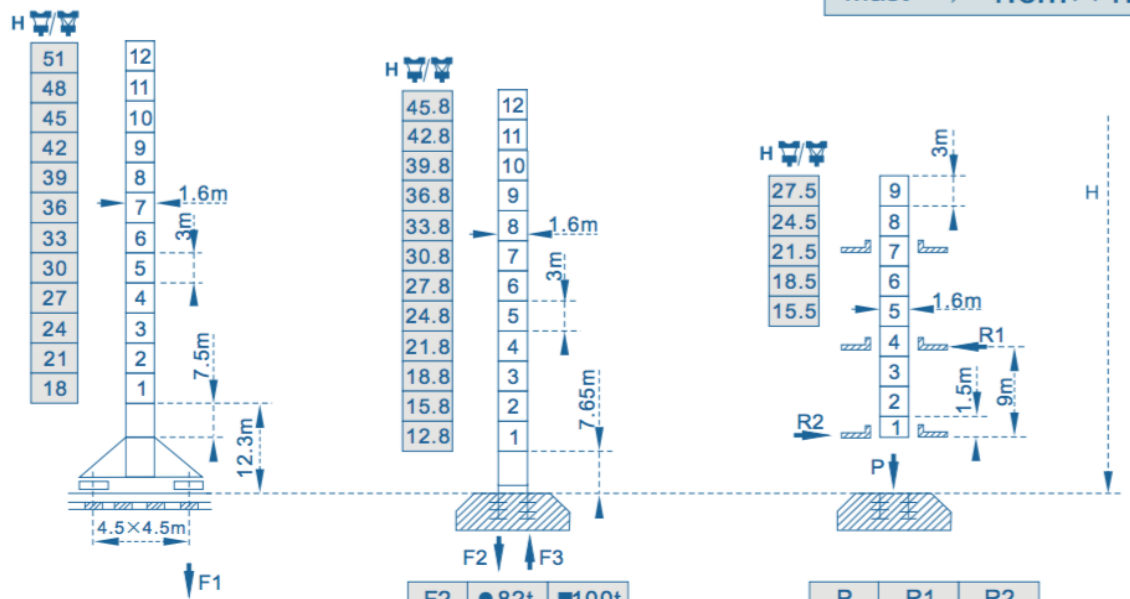
m	2.9→16.15	18	20	22	24	26	28	28.5	29.3	32	34	35
t	6	5.27	4.65	4.14	3.72	3.37	3.07	3	3	2.69	2.50	2.40

30m

m	2.9→16.15	18	20	22	24	26	28	28.5	29.3	30
t	6	5.27	4.65	4.14	3.72	3.37	3.07	3	3	2.92

Standard trolley 2/4 fall (When using subtract 0.1t from the loads)

Mast ⍁ 1.6m×1.6m



F1	●65t	■78t
	45t	

F2	●82t	■100t
F3	●55t	■75t
	39.4t	

P	R1	R2
36.2t	18.8t	16.8t
	39.8t	

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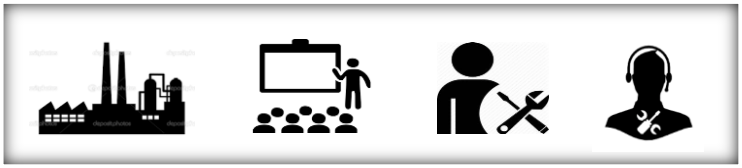
Specifications Mechanisms						
Mechanisms	Motor type	Speeds m/min		Capacity t.	Rope lenght	Motor kW
Hoisting	33LVF15B ▲ ● ▼	2 fall	0-40	3	500m >500m★	24
			0-80	1.5		
		4 fall	0-20	6		
			0-40	3		
	33RPC15D ▲ ● ▼	2 fall	0-40	3	500m >500m★	24
			0-80	1.5		
		4 fall	0-20	6		
			0-40	3		
Trolleying	XD55L ◂■▸	0-58				55N.m
	4D2V4 ◂■▸	20/40				2.2/3.3
	4DCV ◂■▸	0-58				3.3
Slewing	OMD45 ◉	0-0.7r/min				2×4.4
	RCV95 ◉	0-0.7r/min				2×95N.m
Travelling	RT443 ◂●▸	0-12.5-25				4×1.7/3.4
	18TVF ◂●▸	0-25				4×3.4

★ To be supplied according to client's specific requirements

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