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Tower crane

KH310-14

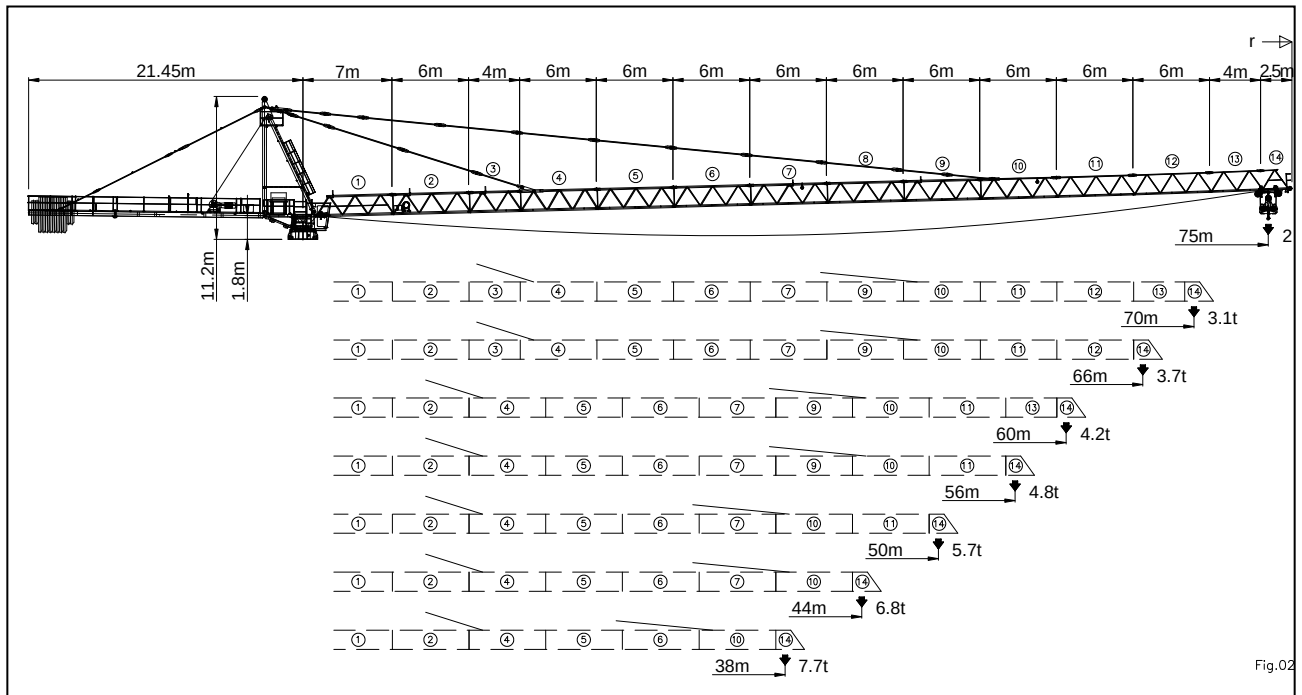


GOST – R/RTN

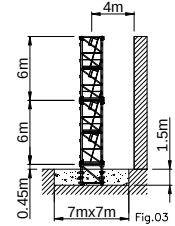
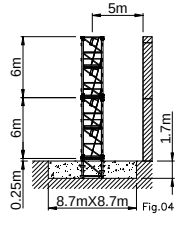
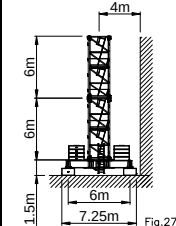
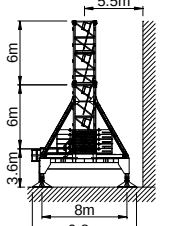
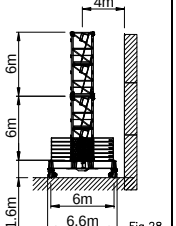
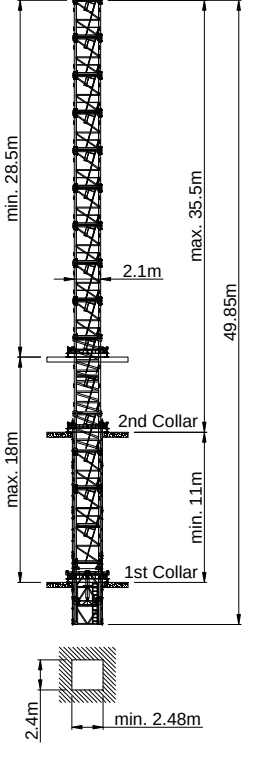
*HUH : Height under hook

01. Jib combination

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02. Hoisting height

20		72				
19		69				
18		66				
17		63				
16	60	60				
15	57	57		60		
14	54	54		57		
13	51	51	52	54		
12	48	48	49	51		
11	45	45	46	48		
10	42	42	43	45	43.3	
9	39	39	40	42	40.3	
8	36	36	37	39	37.3	
7	33	33	34	36	34.3	
6	30	30	31	33	31.3	
5	27	27	28	30	28.3	
4	24	24	25	27	25.3	
3	21	21	22	24	22.3	
2	18	18	19	21	19.3	
1	15	15	16	18	16.3	
0	12	12	13	15	13.3	
3m Mast	m	m	m	m	m	
						
	Concrete foundation A	Concrete foundation B	Undercarriage	Portal	Traveling	Internal climbing

03. Radius and capacity

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Jib length m r	Max capacity (m/kg)		Radius & Hoisting capacity													
			m / kg	15	20	25	30	38	40	44	50	56	60	66	70	75
75 (r = 77.4)	2.5 – 28.0 7,000	2.5 – 15.0 14,000	4 fall	14,000	10,020	7,680	6,350	4,770	4,470	3,970	3,360	2,890	2,630	2,290	2,100	1,900
			2 fall	7,000	7,000	7,000	6,650	5,070	4,770	4,270	3,660	3,190	2,930	2,590	2,400	2,200
70 (r = 72.4)	2.5 – 34.0 7,000	2.5 – 18.0 14,000	4 fall	14,000	12,530	9,670	7,800	6,060	5,700	5,080	4,340	3,760	3,430	3,030	2,800	
			2 fall	7,000	7,000	7,000	7,000	6,360	6,000	5,380	4,640	4,060	3,730	3,330	3,100	
66 (r = 68.4)	2.5 – 38.0 7,000	2.5 – 19.0 14,000	4 fall	14,000	13,790	10,670	8,630	6,700	6,310	5,630	4,820	4,190	3,840	3,400		
			2 fall	7,000	7,000	7,000	7,000	7,000	6,610	5,930	5,120	4,490	4,140	3,700		
60 (r = 62.4)	2.5 – 38.0 7,000	2.5 – 19.0 14,000	4 fall	14,000	13,960	10,800	8,740	6,790	6,390	5,710	4,890	4,250	3,900			
			2 fall	7,000	7,000	7,000	7,000	7,000	6,690	6,010	5,190	4,550	4,200			
56 (r = 58.4)	2.5 – 40.0 7,000	2.5 – 20.0 14,000	4 fall	14,000	14,000	11,370	9,200	7,060	6,720	6,020	5,170	4,500				
			2 fall	7,000	7,000	7,000	7,000	7,000	7,000	6,320	5,470	4,800				
50 (r = 52.4)	2.5 – 41.0 7,000	2.5 – 21.0 14,000	4 fall	14,000	14,000	11,840	9,590	7,260	6,950	6,280	5,400					
			2 fall	7,000	7,000	7,000	7,000	7,000	7,000	6,580	5,700					
44 (r = 46.4)	2.5 – 42.0 7,000	2.5 – 22.0 14,000	4 fall	14,000	14,000	12,270	9,920	7,450	7,000	6,500						
			2 fall	7,000	7,000	7,000	7,000	7,000	7,000	6,800						
38 (r = 40.4)	2.5 – 38.0 7,000	2.5 – 22.0 14,000	4 fall	14,000	14,000	12,350	10,090	7,700								
			2 fall	7,000	7,000	7,000	7,000	7,000								

04. Driving performance

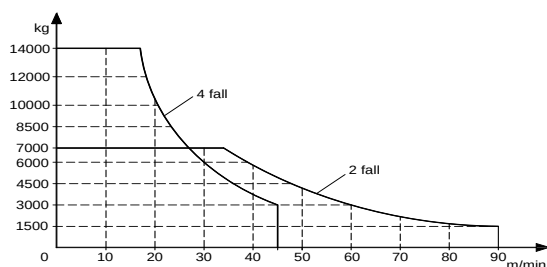
Hoist winch 45kW - 45HF550 - AC- Stepless



2 Part	1,500kg	0 ~ 90m/min
Line	7,000kg	0 ~ 34m/min



4 Part	3,000kg	0 ~ 45m/min
Line	14,000kg	0 ~ 17m/min



Hoist wire rope - standard 450m

Necessary wire length according to height under hook

$$W = (H \times P) + R + 35$$

- W (Wire length)
- H (Height under hook)
- P (Part line) = 2 or 4
- R (Jib length)

Electrical information

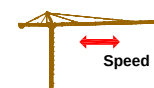
Power supply	3ph x 380V, 50/60Hz (Standard) 3ph x 440V, 50/60Hz (Option)
Control circuit	24Vdc
Power consumption	100kVA, 130kVA(Traveling)
Power cable	PNCT x 50SQ x 4Core

Slewing machinery - 4Drive units - AC - Stepless



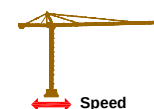
4 x 4kW – AC
0 ~ 0.67rpm

Trolley winch 6.6kW - AC - Stepless



0 ~ 7,000kg 0 ~ 70m/min
14,000kg 0 ~ 35m/min

Traveling machinery - 4Drive units - AC - Stepless

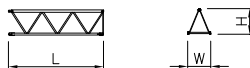
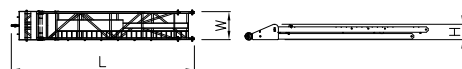
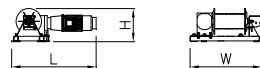


4 x 6.6kW – AC
0 ~ 20m/min

05. Packing list I continued I

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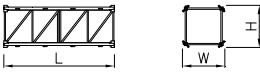
Upper part

Description		Q'ty	Sketch	Demension(m)			Weight(kg)		
				L	W	H	Unit	Total	
Jib single element	No. 1	1		6.220	1.500	1.670	940	-	
	No. 2	1		6.220	1.500	1.670	855	-	
	No. 3	1		6.220	1.500	1.670	565	-	
	No. 4	1		4.220	1.500	1.670	970	-	
	No. 5	1		6.220	1.500	1.670	880	-	
	No. 6	1		6.220	1.500	1.670	710	-	
	No. 7	1		6.220	1.500	1.670	700	-	
	No. 8	1		6.220	1.500	1.670	700	-	
	No. 9	1		6.220	1.500	1.670	700	-	
	No. 10	1		6.220	1.500	1.670	900	-	
	No. 11	1		6.220	1.500	1.670	610	-	
	No. 12	1		6.220	1.500	1.670	540	-	
	No. 13	1		4.220	1.500	1.670	360	-	
	No. 14	1		2.590	1.500	1.670	220	-	
Top tower		1		9.925	1.520	0.835	3,500	-	
Hoist winch		1		2.295	1.945	0.893	1,610	-	
Turn table ass'y		1		2.540	2.298	2.268	5,500	-	
Panel frame & electric panel		1		2.410	2.120	2.850	2,125	-	
Operating cabin		1		2.118	1.600	2.205	930	-	
Trolley		1		1.720	1.810	0.870	410	-	
Hook block		1		1.350	0.250	1.380	580	-	
Counter weight block		8		Aw	1.190	0.275	2.700	2,000	16,000
		Bw		1.190	0.275	1.770	1,300	5,200	
Initial counter jib		1		11.830	1.595	0.460	1,615	-	
End counter jib		1		6.800	2.195	0.460	1,185	-	
Counter jib ass'y, Tie rod, Hoist winch, Handrail etc.		1		18.630	2.835	1.505	5,360	-	

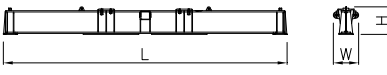
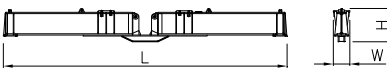
Climbing equipment

Description	Q'ty	Sketch	Demension(m)			Weight(kg)	
			L	W	H	Unit	Total
Climbing cage ass'y	1		7.900	3.180	2.820	7,670	-

Mast

6m Mast section	-		6.000	2.298	2.298	3,280	-
3m Mast section	-		3.000	2.298	2.298	1,810	-
Foundation anchor	1		1.960	2.400	2.400	1,440	-

Undercarriage

Main frame; male	1		8.935	0.800	0.866	3,715	-
Main frame; female	1		8.935	0.520	1.046	3,755	-
Support block	4		2.500	1.250	0.700	5,000	20,000
Ballast weight	-		5.900	1.500	0.360	7,500	-
Drive bogie	4		1.240	0.820	0.835	1,400	5,600

Internal climbing equipment

Climbing section ass'y	1		4.850	2.298	2.298	6,750	-
Climbing frame(Collar)	6		2.730	1.555	0.500	1,060	6,360
Resting beam	4		2.040	0.210	0.375	225	900
Ladder	8 4		3.820 2.920	0.180 0.180	0.080 0.080	115 90	920 360
6m Special Mast	1		6.000	2.298	2.298	6,750	-

max HUH 234m

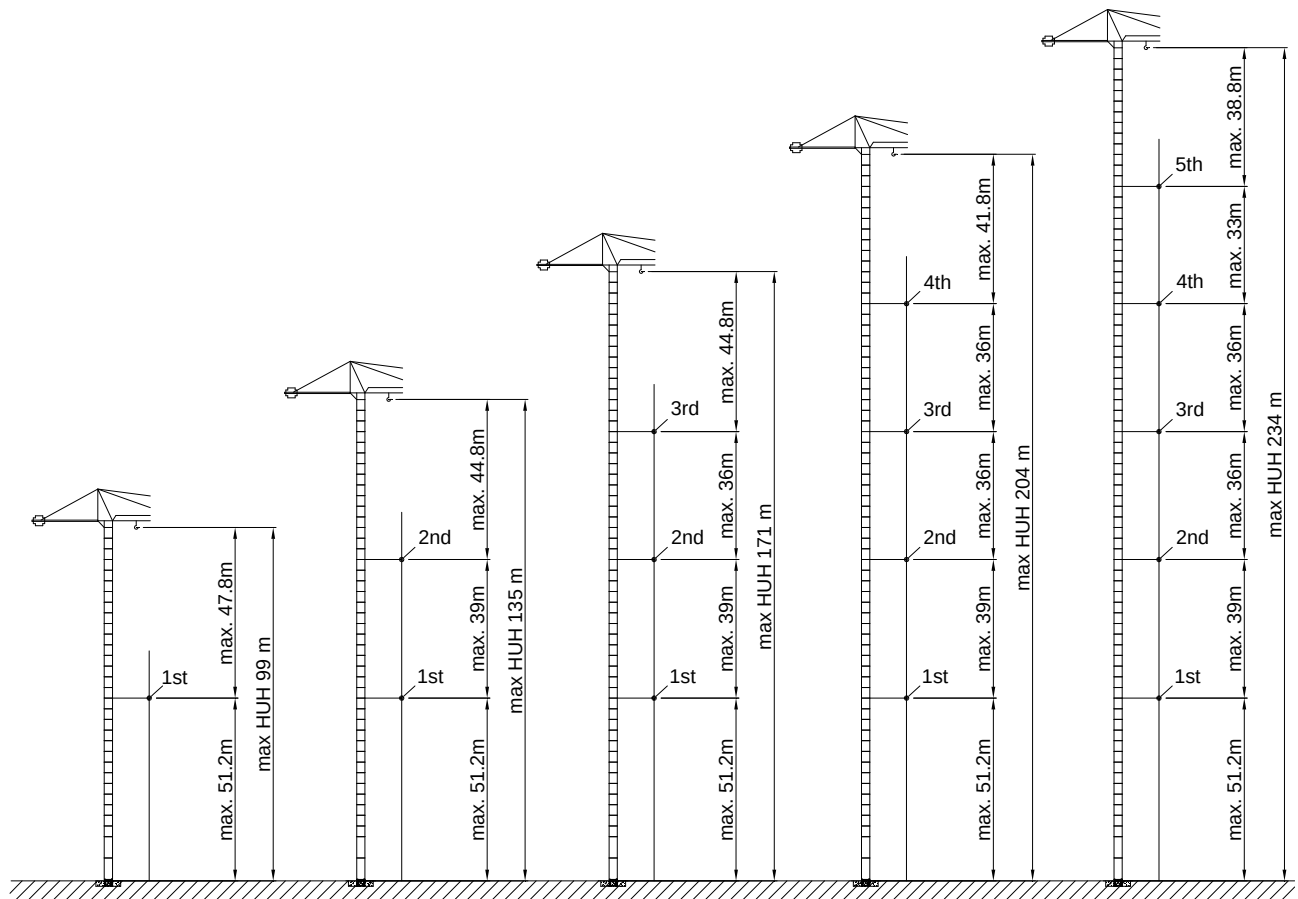


Fig.08

* Specifications contained in the catalogue may be changed without prior notice for improvement of quality and performance