

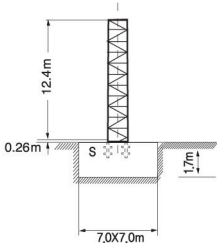
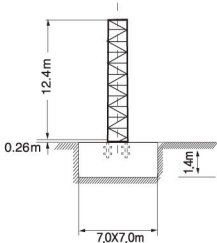
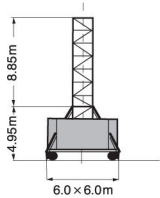
The drawing illustrates a crane system with the following specifications:

- Side View (Left):** Shows the crane's vertical structure with a total height of 56.2m. The jib is 70.0m long. The counterweight is 3000kg. The main body is 23.1m wide. The crane is mounted on a 7.0m wide base with a 0.26m offset. The counterweight is 8x4, 14m long and 18.1m wide. The main body is 2x4, 14m long and 12.4m wide. The counterweight is 2x4, 14m long and 12.4m wide. The main body is 2x4, 14m long and 12.4m wide.
- Front View (Right):** Shows the crane's horizontal structure with a total width of 70.0m. The jib is 70.0m long. The counterweight is 3000kg. The main body is 23.1m wide. The crane is mounted on a 7.0m wide base with a 0.26m offset. The counterweight is 8x4, 14m long and 18.1m wide. The main body is 2x4, 14m long and 12.4m wide. The counterweight is 2x4, 14m long and 12.4m wide. The main body is 2x4, 14m long and 12.4m wide.
- Dimensions and Weights:**
 - Counterweight: 3000kg
 - Main body: 3500kg
 - Counterweight: 4100kg
 - Main body: 4800kg
 - Counterweight: 5900kg
 - Main body: 7000kg
 - Counterweight: 8800kg
 - Main body: 11000kg
- Labels:**
 - H.U. H=56.2m
 - Max Hook Height 205m
 - 2S-T/S+7T/S

HANKOOK CRANE & TECH

290HC-E TOWER CRANE

290HC-E / 65kW

Number of tower sections	Hoisting height		
	m	m	m
0	14,7	14,7	15,9
1	S 18,9	S 18,9	S 20,0
2	S 23,0	S 23,0	S 24,2
3	27,2	27,2	28,3
4	31,3	31,3	32,4
5	35,4	35,4	36,6
6	39,6	39,6	40,7
7	43,7	43,7	44,9
8	47,9	47,9	49,0
9*	52,0	52,0	53,1
10*	56,2	—	—
			

S = Tower section reinforced

* = Lower guide section after erection

Technical data

Data for rail-going crane

Wheel gauge	6,0m
Track gauge	6,0m

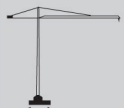
Interior curve radius(6m-undercarriage)	12,5m
Dead weight(6m-undercarriage)	85,000kg

※Max. hoisting height + max. radius.

Radius and capacity

Length of jib (Slewing radius) m	MAX Capacity m/kg	Radius and capacity																			
		25,0	28,0	31,7	34,0	36,7	38,0	40,0	42,0	43,3	45,0	48,3	51,0	53,0	55,0	57,0	60,0	62,0	65,0	67,0	70,0
70,0(R=71,36)	2,6-19,1 12000	10000	9277	8050	7420	6785	6510	6130	5780	5570	5310	4870	4550	4330	4130	3950	3690	3540	3320	3190	3000
65,0(R=66,36)	2,6-22,4 12000	10000	9700	8420	7770	7110	6820	6420	6060	5840	5575	5110	4780	4560	4350	4150	3890	3730	3500		
60,0(R=61,36)	2,6-24,1 12000	11352	10160	8820	8140	7450	7160	6740	6360	6130	5860	5380	5030	4800	4580	4380	4100				
55,0(R=56,36)	2,6-25,0 12000	12000	10595	9210	8500	7790	7480	7045	6650	6420	6130	5630	5270	5030	4800						
48,33(R=49,7)	2,6-26,0 12000	12000	11070	9625	8890	8145	7820	7370	6960	6720	6420	5900									
43,33(R=44,7)	2,6-27,0 12000	12000	11500	10010	9250	8480	8145	7680	7250	7000											
36,67(R=38,0)	2,6-27,8 12000	12000	11930	10390	9600	8800															
31,67(R=33,0)	2,6-29,3 12000	12000	12000	11000																	

Speeds

	0.7 sl./min	2X6,3kW
	8,0 / 16,0 / 50,0 / 95,0m/min	5,5kW
	25,0m/min with 6m-undercarriage	2X7,5kW

Hoist gear	Gear	kg	m/min
65,0kW, WIW 271 (Rx155-K) Elmag, WSB Hoisting height 205m (7 layers)	1	12000	1,4/15,1
	2	5350	5,1/53,9
	3	2200	10,1/106,3

※Total motor output

100kW

※Total power requirement(with a simultaneity factor of 0,8)

92kVA

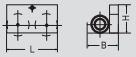
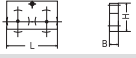
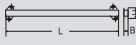
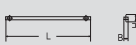
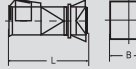
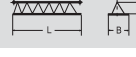
※This specification is subject to change without prior notice for high efficiency.

※In case of generator : Min. 250kVA above

HANKOOK CRANE & TECH CO., LTD.



290HC-E Packing List

Item	Quantity	Description	This list cannot be used for the calculation of the smallest transport volume.	Length m	Width m	Height m	Unit weight kg	Total weight kg
1	2	Rail bogie with drive		1,63	0,92	0,95	1450	2900
2	2	Rail bogie without drive		1,37	0,62	0,95	1280	2510
3	1	Support arm long		9,10	0,80	0,80		1650
4	2	Support arm short		4,45	0,77	0,77	800	1600
5	2+2	Border support		5,46-5,40	0,11-0,18	0,16-0,38	175-525	1400
6	4	Support strut		4,14	0,18	0,25	320	1320
7	1	Guide section cpl		8,39	2,80	2,50		4070
8	1	Undercarriage tower section		3,73	2,62	2,62		2550
9	8	Tower section		4,14	2,30	2,30	2260	18080
10	2	S / Tower section		4,14	2,30	2,30	2600	5200
11	1	Slewing platform cpl. with ball slewing ring and ring support		5,49	2,74	2,68		10120
12	1	Tower head section		8,88	1,64	1,80		2700
13	1	Counter-jib head		9,10	2,42	0,92		3260
14	1	Counter-jib heel section and guying		8,44	1,77	0,92		2800
15	1	Intermediate counter-jib section		5,22	1,76	0,92		1580
16	1	Jib heel section and guying		12,02	1,84	1,96		2980
17	3	Intermediate jib section		12,02	1,63	1,87	2165 2070 1200	5435
18	2	Intermediate jib section		5,36 7,03	1,63	1,87	925 1015	1940
19	1	Intermediate jib section		10,36	1,63	1,87		1864
20	1	Jib head		2,21	1,84	1,14		330
21	1	Trolley, Hook		1,89	1,83	1,57		1150
22	1	Base tower section		12,42 (8,85)	2,30 (2,30)	2,30 (2,30)		7800 (4580)
								
24	1	Hydraulic system, supporting and climbing cross members		2,10	1,25	1,00		800
25	1	Hoist gear frame (Wiw271 Rx155-K)		4,12	2,40	1,66		4790
26	1	Crate with small parts, ropes and foundation angle irons		1,1	1,0	1,24		3000