

Build the future

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Tower crane

ED300L-16

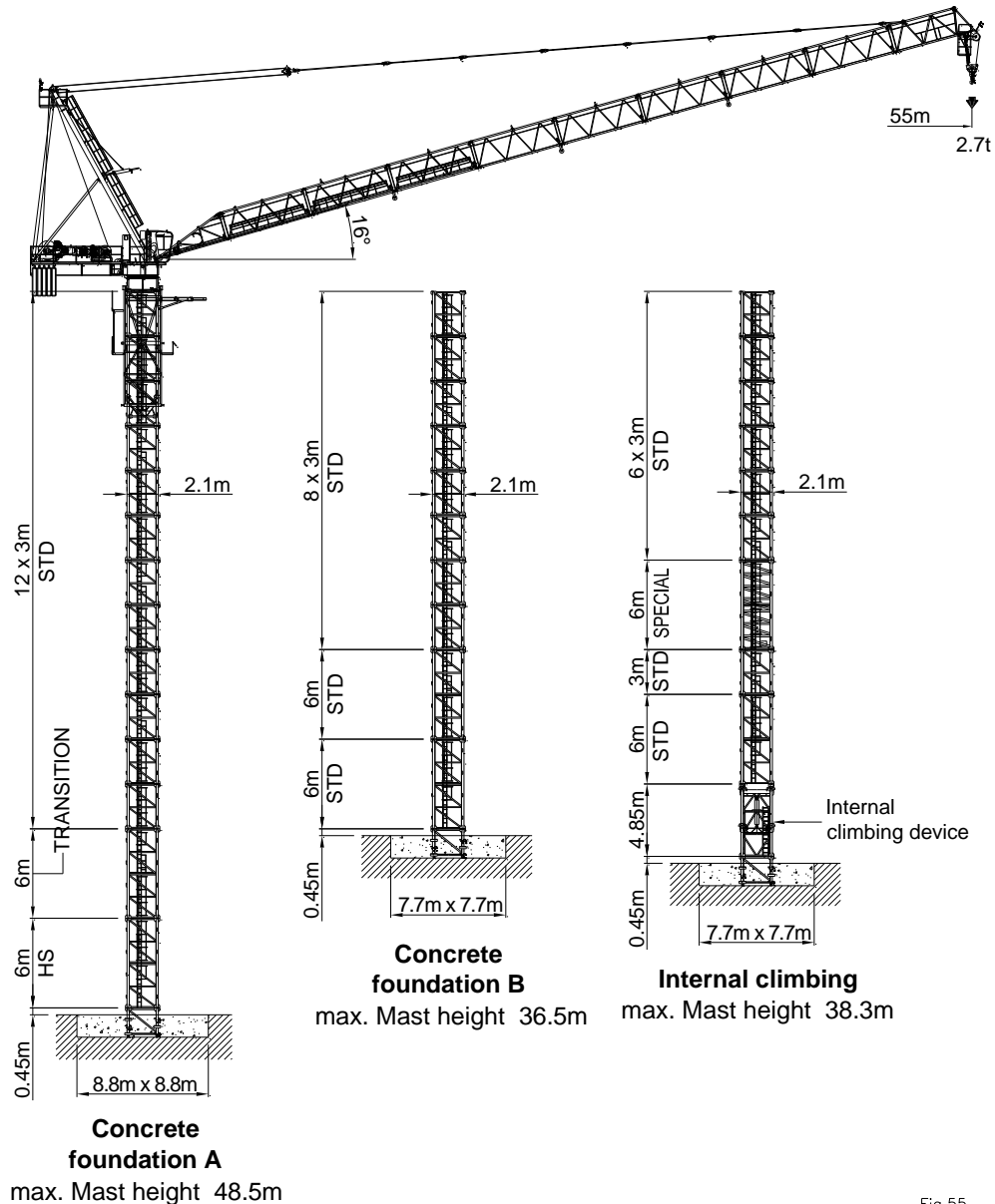


Fig.55



- FEM 1.001 A3
- 건설기계 안전기준에 관한 규칙

*HUH : Height under hook

01. Jib combination

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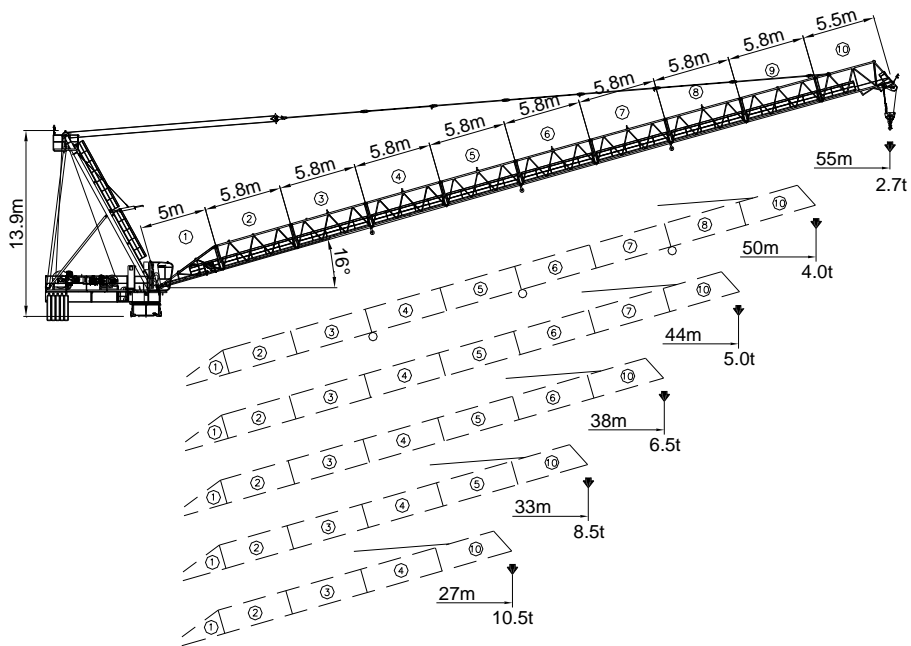


Fig.56

02. Radius and hoisting height

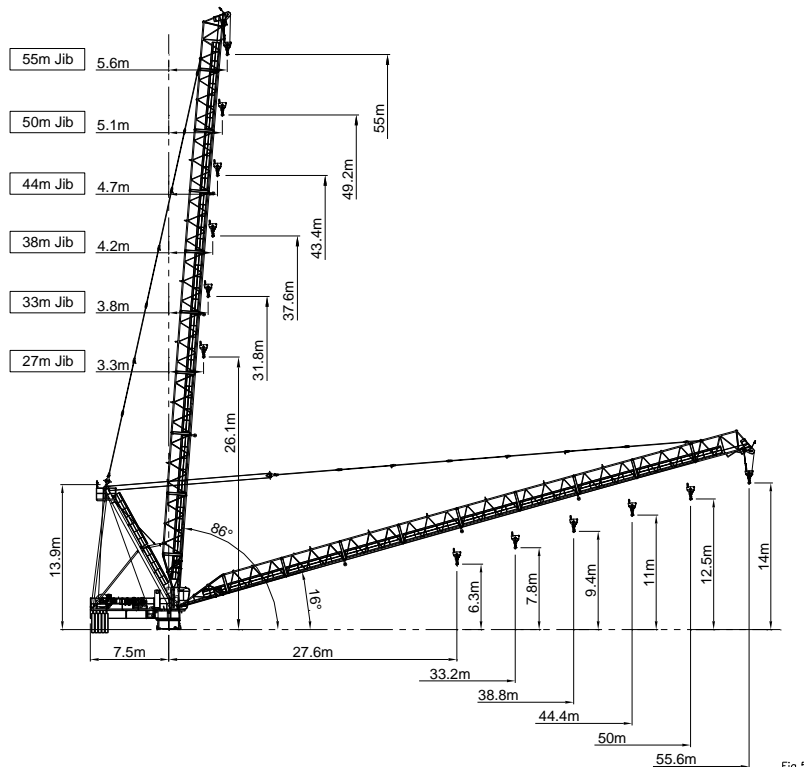


Fig.57

03. Mast height

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	Concrete foundation		Internal climbing	
12	48.5			
11	45.5			
10	42.5			
9	39.5			
8	36.5	36.5		
7	33.5	33.5	38.3	
6	30.5	30.5	35.3	
5	27.5	27.5	32.3	
4	24.5	24.5	29.3	
3	21.5	21.5	26.3	
2	18.5	18.5	23.3	
1	15.5	15.5	20.3	
0	12.5	12.5	20.3	
3m Mast	m	m	m	

04. Radius and capacity

Jib length m	Max capacity (m/kg)		Radius & Hoisting capacity														
			m/kg	19.0	22.0	24.0	26.0	27.6	28.0	30.0	33.2	35.0	38.8	40.0	44.4	50.0	55.6
55	5.6 – 27.6 8,000	5.6 – 23.4 10,000	2 fall	10,000	10,000	9,700	8,750	8,080	7,930	7,220	6,260	5,800	4,970	4,740	4,000	3,240	2,700
			1 fall	8,000	8,000	8,000	8,000	8,000	7,930	7,220	6,260	5,800	4,970	4,740	4,000	3,240	2,700
50	5.1 – 30.0 8,000	5.1 – 21.7 12,000	2 fall	12,000	11,780	10,620	9,640	8,960	8,800	8,080	7,100	6,620	5,930	5,530	4,840	4,000	
			1 fall	8,000	8,000	8,000	8,000	8,000	8,000	8,000	7,100	6,620	5,930	5,530	4,840	4,000	
44	4.7 – 32.0 8,000	4.7 – 23.9 12,000	2 fall	12,000	12,000	11,940	10,780	9,970	9,790	8,920	7,760	7,200	6,180	5,900	5,000		
			1 fall	8,000	8,000	8,000	8,000	8,000	8,000	8,000	7,760	7,200	6,180	5,900	5,000		
38	4.2 – 33.2 8,000	4.2 – 24.3 12,000	2 fall	12,000	12,000	12,000	11,050	10,250	10,060	9,210	8,060	7,510	6,500				
			1 fall	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	7,510	6,500				
33	3.8 – 33.2 8,000	3.8 – 19.1 16,000	2 fall	16,000	13,670	12,390	11,310	10,560	10,390	9,580	8,500						
			1 fall	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000					
27	3.3 – 27.6 8,000	3.3 – 19.1 16,000	2 fall	16,000	13,670	12,390	11,310	10,560									
			1 fall	8,000	8,000	8,000	8,000	8,000									

05. Driving performance

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Hoist winch 55kW - 55HF400 - AC - Stepless



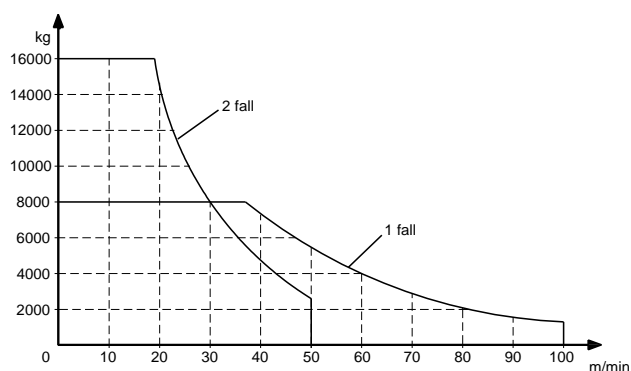
1 Part 1,300kg 0 ~ 100m/min

Line 8,000kg 0 ~ 39m/min




2 Part 2,600kg 0 ~ 50m/min

Line 16,000kg 0 ~ 19m/min



Electrical information

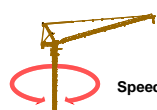
Power supply  3ph x 380V, 50/60Hz (Standard)
3ph x 415V, 50/60Hz (Option)

Control circuit 24Vdc, 220Vac

Power consumption 150kVA

Power cable PNCT x 50SQ x 4Core

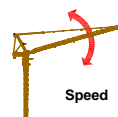
Slewing machinery 11kW-AC-Stepless



11kW - AC

0 - 0.7rpm

Luffing winch 45kW - AC - Stepless



45kW - AC

2min.

Hoist wire rope - standard 350m

Necessary wire length according to mast height

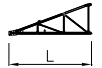

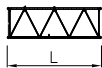

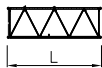

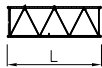

$$W = (H \times P) + (R \times P) + R + 41$$

- W (Wire length)
- H (Mast height)
- P (Part line) = 1 or 2
- R (Jib length)

06. Packing list | continued |

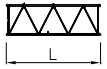

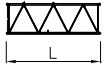

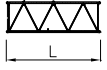

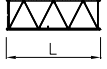



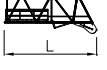

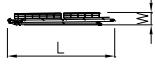

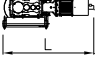
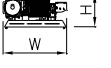
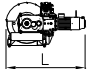
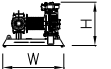

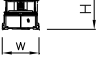

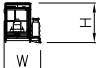
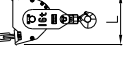
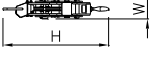


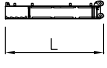
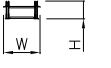
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Upper part

Description	Q'ty	Sketch	Dimension(m)			Weight(kg)			
			L	W	H	Unit	Total		
Jib-single element	No.1	1			5.200	1.916	1.950	1050	-
	No.2	1			5.950	1.916	2.049	750	-
	No.3	1			5.950	1.916	2.000	740	-
	No.4	1			5.950	1.916	2.000	740	-

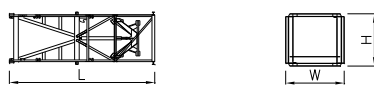
06. Packing list I continued I

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Description	Q'ty	Sketch	Dimension(m)			Weight(kg)			
			L	W	H	Unit	Total		
Jib-single element	No.5	1			5.950	1.916	2.000	640	-
	No.6	1			5.950	1.916	2.000	640	-
	No.7	1			5.950	1.916	2.000	640	-
	No.8	1			5.950	1.916	2.000	640	-
	No.9	1			5.950	1.916	2.000	640	-
	No.10	1			5.810	1.904	2.670	950	-
Top tower	1			13.550	1.550	2.165	4,650	-	
Hoist winch	1			2.830	1.980	1.030	3,580	-	
Luffing winch	1			2.485	1.920	1.360	2,580	-	
Turn table ass'y	1			2.840	2.310	2.580	8,400	-	
Operating cabin & Platform ass'y	1			3.295	2.295	2.480	2,130	-	
Hook block	1			0.790	0.310	1.653	420	-	
Counter weight block	5			4.200	0.315	2.065	5,000	25,000	
Counter jib	1			6.185	2.300	1.115	5,260	-	

Description	Q'ty	Sketch	Dimension(m)			Weight(kg)	
			L	W	H	Unit	Total
Tie bar element	1		6.320	0.063	0.180	115	-
			5.365	0.063	0.180	100	
			5.640	0.063	0.180	105	
			5.820	0.063	0.180	105	
			5.890	0.063	0.180	110	
			5.940	0.063	0.180	110	
			5.960	0.063	0.180	110	
			1.605	0.063	0.180	60	
Luffing block	1		1.035	0.746	0.774	215	-

Climbing equipment

Climbing cage ass'y	1		7.900	3.180	2.820	7,670	-
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Mast

6m Mast section	-		6.000	2.298	2.298	3,280	-
6m HS Mast section	-		6.000	2.298	2.298	3,385	-
3m Mast section	-		3.000	2.298	2.298	1,810	-
Foundation anchor	1		1.960	2.400	2.400	1,440	-

06. Packing list | continued |

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Internal climbing equipment

Description	Q'ty	Sketch	Dimension(m)			Weight(kg)	
			L	W	H	Unit	Total
Climbing section ass'y	1		4.850	2.298	2.298	6,750	-
Climbing frame(Collar)	6		2.730	0.500	1.540	1,060	6,360
Resting beam	4		2.040	0.375	0.210	225	900
Ladder	8		3.820	0.180	0.080	115	920
	4		2.920	0.180	0.080	90	360
6m Special Mast	1		6.000	2.298	2.298	6,750	-

07. Tie schedule

ED300L-16

max Mast height 240.5m

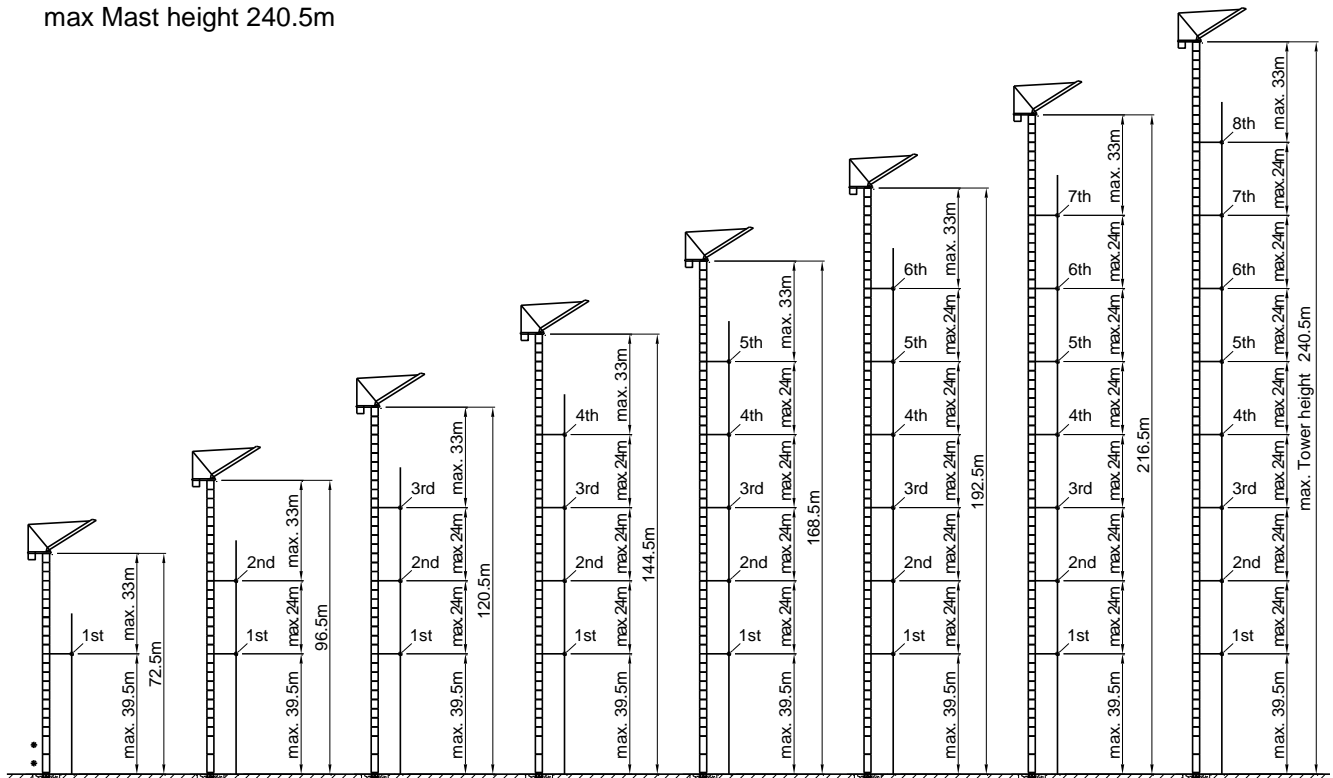


Fig. 15

* 6m HS MAST

※ **NOTES** 상기 타워크레인 제원 및 사양은 사전통보 없이 변경 될 수 있음.