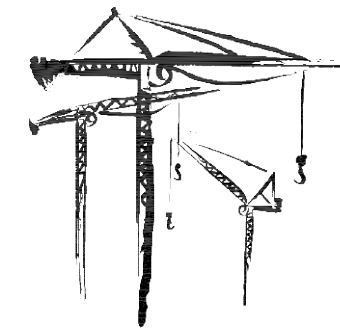


2214 Hwy 1187 - BLDG 1
Mansfield, TX. 76063
Office : 817.225.1090 * Fax : 817.225.1035
Website : www.suncraneandhoist.com

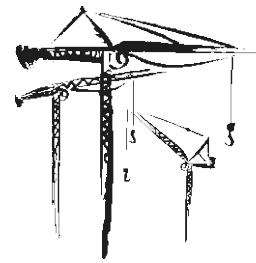
Turnkey Solutions * Parts and Service * Training and Safety * Transportation



COMEDIL CTT 561-20

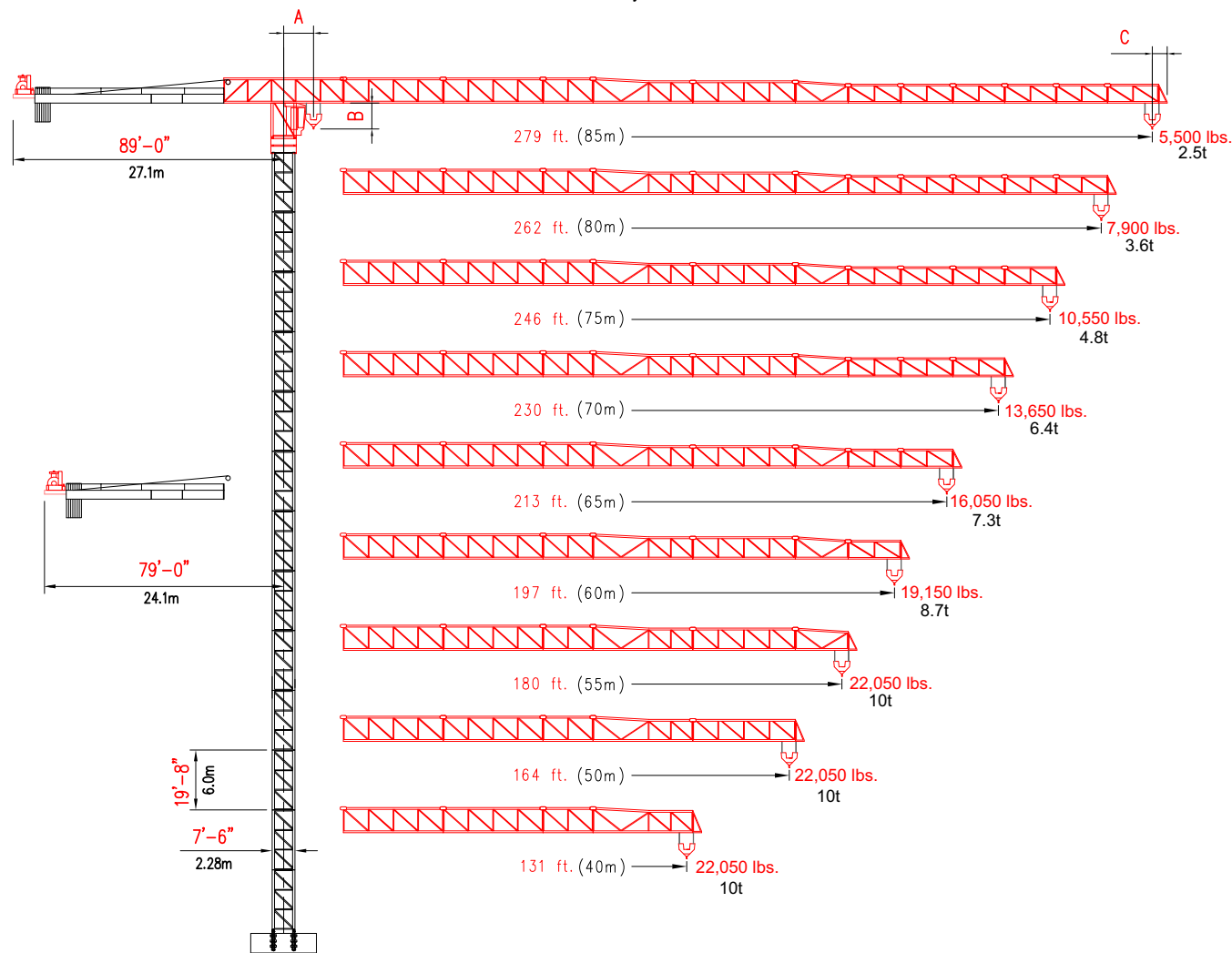
Tower Crane
PRODUCT SPEC SHEET





SUN CRANE HOIST

Topless Tower Crane
Modular System



- A = Centerline crane to minimum 2 part hook radius 7'-6" (2.3m)
- B = Bottom of jib to hook block 7'-6" (2.3m)
- C = Add for jib tip radius 4'-11" (1.5m)

COMEDIL CTT 561 - 20

LINE SPEEDS AND POWER REQUIREMENTS

Hoist Unit

148 hp 110 kW

2 - Part Line	Line Speed	Capacity
Gear 1	151 ft/min 46 m/min	22,046 lbs 10t
Gear 2	207 ft/min 63 m/min	15,741 lbs 7.1t
Gear 3	282 ft/min 86 m/min	11,034 lbs 5t
Gear 4	384 ft/min 117 m/min	7,635 lbs 3.4t
Gear 5	430 ft/min 131 m/min	1,323 lbs 0.6t

4 - Part Line	Line Speed	Capacity
Gear 1	75.5 ft/min 23 m/min	44,092 lbs 20t
Gear 2	103.5 ft/min 31.5 m/min	31,482 lbs 14.2t
Gear 3	141 ft/min 43 m/min	22,068 lbs 10t
Gear 4	192 ft/min 58.5 m/min	15,270 lbs 6.8t
Gear 5	215 ft/min 65.5 m/min	2,646 lbs 1.2t

Unit	Horsepower	Kilowatts	Speed
Trolley	15	11	0 - 312 ft/min 0 - 95 m/min
Swing	4 x 8.1	4 x 80 Nm	0.73 rpm
Traveling	4 x 6.5	4 x 65 Nm	39 - 79 ft/min 12 - 24 m/min

Power Requirements

480 volts, 60 cycle, 3 phase: 300 amp service

Additional Equipment and Services Available

- Peiner Tower Cranes
- Sun Tower Cranes
- Hercules Elevators
- Timberland Derricks
- Specialized Rigging
- Technical Services
- Third Party Inspections
- Parts and Repair Services
- Erection and Dismantlement Services

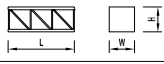
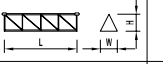
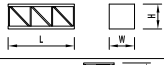
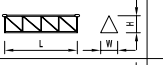


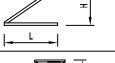
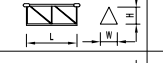

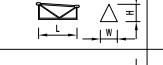

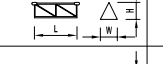
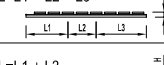
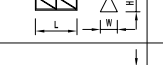
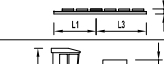
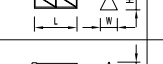

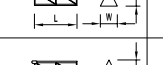

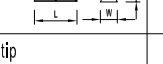
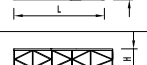
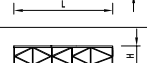
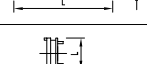
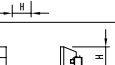


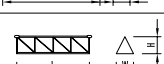
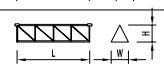
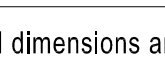
*Due to product improvement specifications are subject to change without notice.

EQUIPMENT RENTALS - SALES - 24 HOUR SERVICE - YARD STORAGE & TRANSFERS - NATIONWIDE SERVICE

2214 FM 1187, Suite 1
Mansfield, TX 76063
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Crane Component List

DESCRIPTION	DIMENSION L x W x H	WEIGHT	DESCRIPTION	DIMENSION L x W x H	WEIGHT
Tower HD 23 22.6 	19'-8" x 7'-6" x 7'-6" 6m x 2.29m x 2.29m	10,170 lbs 4613 kg	Jib Section - 4 th 	17'-9" x 6'-3" x 7'-10" 5.41m x 1.91m x 2.39m	3,748 lbs 1700 kg
Tower HD 23 26.6 	19'-8" x 7'-7" x 7'-8" 6m x 2.31m x 2.34m	13,525 lbs 6135 kg	Jib Section - 5 th 	33'-10" x 6'-3" x 8'-2" 10.31m x 1.91m x 2.49m	5,732 lbs 2600 kg
T - FP 8 undercarriage mast 	9'-10" x 9'-3" x 9'-10" 3m x 2.82m x 3m	15,871 lbs 7675 kg	Jib Section - 6 th 	33'-10" x 6'-3" x 7'-3" 10.31m x 1.91m x 2.21m	4,189 lbs 1900 kg
T - FP 8 undercarriage strut 	13'-11" x 12' x 7'-3" 4.24m x 0.31m x 2.21m	3,772 lbs 1711 kg	Jib Section - 7 th 	17'-9" x 6'-3" x 7'-3" 5.41m x 1.91m x 2.21m	1,169 lbs 870 kg
T - FP 10 undercarriage mast 	9'-10" x 9'-10" x 9'-10" 3m x 3m x 3m	22,045 lbs 10000 kg	Jib Section - 8 th 	17'-5" x 6'-3" x 5'-11" 5.31m x 1.91m x 1.81m	1,653 lbs 750 kg
T - FP 10 undercarriage strut 	19' x 12' x 8'-2" 5.8m x 0.31m x 2.49m	7,054 lbs 3200 kg	Jib Section - 9 th 	17'-5" x 6'-3" x 5'-11" 5.31m x 1.91m x 1.81m	1,433 lbs 650 kg
Counterjib long 	L=L1 + L2 + L3 61'-4" x 6'-11" x 3'-3" 18.7m x 2.1m x 1m	20,600 lbs 9344 kg	Jib Section - 10 th 	17'-5" x 6'-3" x 5'-11" 5.31m x 1.91m x 1.81m	1,080 lbs 490 kg
Counterjib short 	L=L1 + L3 51'-6" x 2'-11" x 6'-5" 1.75m x 1.09m x 1.96m	12,786 lbs 5800 kg	Jib Section - 11 th 	17'-5" x 6'-3" x 5'-11" 5.31m x 1.91m x 1.81m	948 lbs 430 kg
Operator's Cabin 	5'-9" x 3'-7" x 6'-5" 1.75m x 1.09m x 1.96m	1,320 lbs 600 kg	Jib Section - 12 th 	17'-5" x 6'-3" x 5'-11" 5.31m x 1.91m x 1.81m	794 lbs 360 kg
Top climbing unit frontal panel 	16'-3" x 8'-7" 4.96m x 2.62m	1,874 lbs 850 kg	Jib Section - 13 th 	16'-9" x 6'-3" x 5'-11" 5.11m x 1.91m x 1.81m	661 lbs 300 kg
Top climbing unit back panel 	38'-1" x 9'-7" 11.61m x 2.92m	8,884 lbs 4030 kg	Jib Assembly from 1st to 13th + jib tip for 279 ft (85 m) jib	279'-0" x 6'-3" x 8'-2" 85m x 1.91m x 2.49m	61,170 lbs 27350 kg
Top climbing unit side panel 	37'-8" x 8'-7" 11.48m x 2.62m	4,090 lbs 1855 kg	Jib Assembly from 1st to 12th + jib tip for 262 ft (80 m) jib	262'-0" x 6'-3" x 8'-2" 80m x 1.91m x 2.49m	59,510 lbs 27050 kg
Top climbing unit side panel 	37'-8" x 8'-7" 11.48m x 2.62m	4,090 lbs 1855 kg	Jib Assembly from 1st to 11th + jib tip for 246 ft (75 m) jib	246'-0" x 6'-3" x 8'-2" 75m x 1.91m x 2.49m	58,720 lbs 26690 kg
Turntable (complete) 	9'-10" x 7'-7" x 7'-7" 3m x 2.32m x 2.32m	26,455 lbs 12000 kg	Jib Assembly from 1st to 10th + jib tip for 230 ft (70 m) jib	230'-0" x 6'-3" x 8'-2" 70m x 1.91m x 2.49m	57,770 lbs 26260 kg
Hoist Unit 110 kW 	7'-3" x 5'-11" x 5'-11" 2.21m x 1.81m x 1.81m	16,500 lbs 7484 kg	Jib Assembly from 1st to 9th + jib tip for 213 ft (65 m) jib	213'-0" x 6'-3" x 8'-2" 65m x 1.91m x 2.49m	56,700 lbs 25770 kg
Cabin tower 	10'-0" x 6'-11" x 8'-2" 3.05m x 2.11m x 2.49m	5,280 lbs 2400 kg	Jib Assembly from 1st to 8th + jib tip for 197 ft (60 m) jib	197'-0" x 6'-3" x 8'-2" 60m x 1.91m x 2.49m	55,260 lbs 25770 kg
Jib Section - 1 st 	38'-5" x 6'-3" x 8'-2" 11.71m x 1.91m x 2.49m	23,800 lbs 10795 kg	Jib Assembly from 1st to 7th + jib tip for 180 ft (55 m) jib	180'-0" x 6'-3" x 8'-2" 55m x 1.91m x 2.49m	53,610 lbs 24370 kg
Jib Section - 2 nd 	32'-10" x 6'-3" x 8'-2" 10m x 1.91m x 2.49m	10,560 lbs 4800 kg	Jib Assembly from 1st to 6th + jib tip for 165 ft (50 m) jib	164'-0" x 6'-3" x 8'-2" 50m x 1.91m x 2.49m	51,700 lbs 23500 kg
Jib Section - 3 rd 	32'-10" x 6'-3" x 8'-2" 10m x 1.91m x 2.49m	8,377 lbs 3800 kg	Jib Assembly from 1st to 5th + jib tip for 131 ft (40 m) jib	131'-0" x 6'-3" x 8'-2" 40m x 1.91m x 2.49m	47,520 lbs 21600 kg

NOTE: Weights and dimensions are approximate. Weigh components before lifting.

Turntable upper weight (slewing ring incl.)	5300 kg/11,690 lbs
Turntable lower weight (slewing ring incl.)	6700 kg/14,770 lbs
Top climbing unit total weight (all included)	16000 kg/35,300 lbs
Double Hook block	1230 kg/2,700 lbs
Double Trolley	900 kg/1,980 lbs
Counterweight A2 type	3570 kg/7,850 lbs
Counterweight C2 type	2500 kg/5,500 lbs
Counterjib lonf tie bar set	2100 kg/4,620 lbs

- Jib assembly doesn't include trolley and load block
- Hoist unit doesn't include wire rope, counterjib frame, platforms
- Long counterjib doesn't include hoist winch frame and tie bars
- Operator's cabin doesn't include platform (400 kg/880 lbs)
- Turntable complete doesn't include platform and operator cabin
- Counterjib includes handrails and platforms
- Cabin tower includes platform and ladder

Radius and Capacities

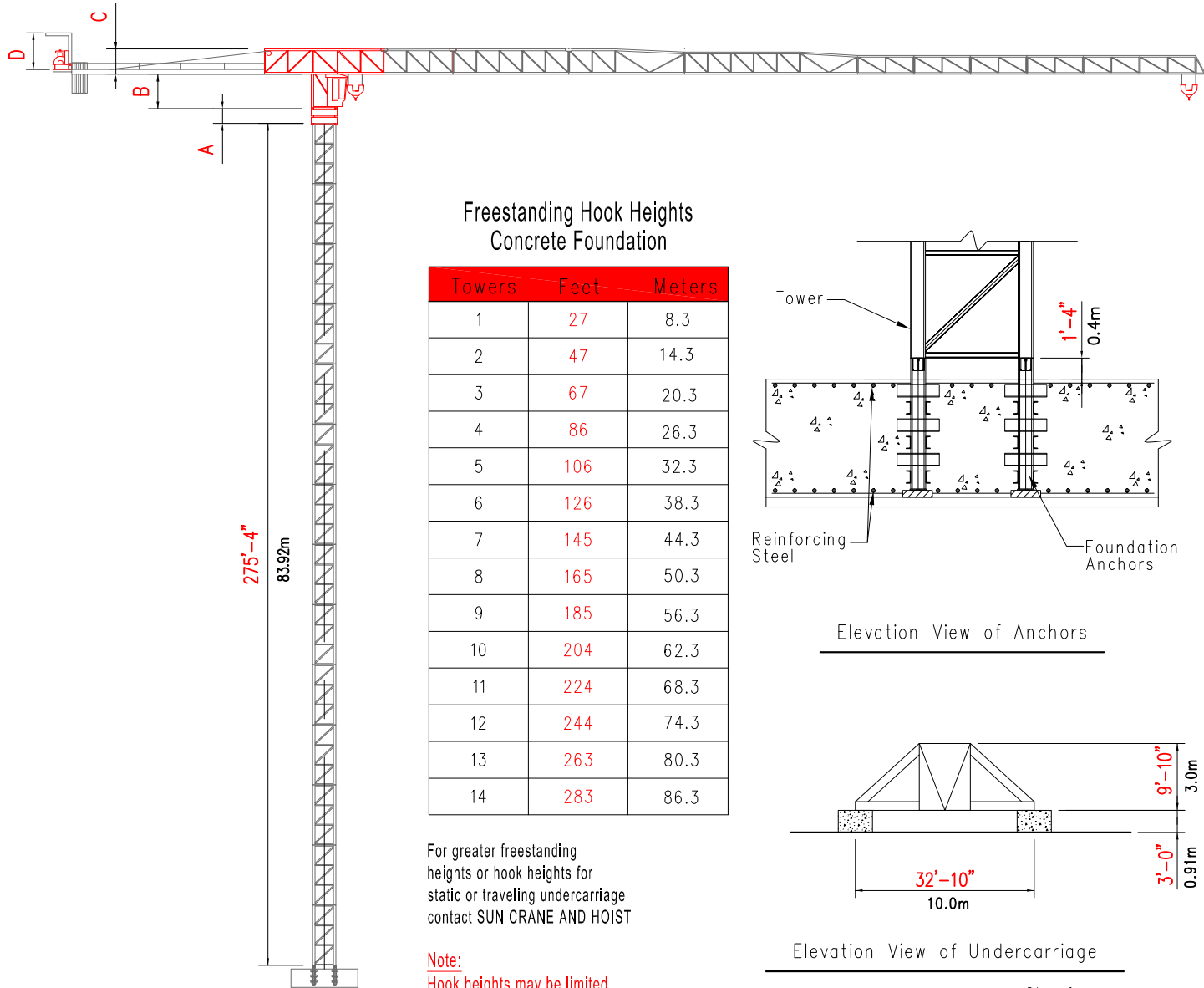
Radius and capacity (feet and pounds) 2-Part-Line ft															
Hook Radius	66	82	98	115	131	148	164	180	197	213	230	246	262	279	
279ft	22,050 lbs - 90'-0"	22,050	22,050	20,000	16,750	14,300	12,450	10,950	9,750	8,750	7,900	7,150	6,500	5,950	5,500
262ft	22,050 lbs - 110'-0"	22,050	22,050	22,050	20,950	18,000	15,750	13,950	12,500	11,250	10,200	9,350	8,600	7,900	
246ft	22,050 lbs - 130'-0"	22,050	22,050	22,050	22,050	21,800	19,100	16,950	15,200	13,750	12,500	11,450	10,550		
230ft	22,050 lbs - 150'-0"	22,050	22,050	22,050	22,050	22,050	22,050	19,900	17,900	16,250	14,850	13,650			
213ft	22,050 lbs - 161'-0"	22,050	22,050	22,050	22,050	22,050	22,050	21,500	19,350	17,600	16,050				
197ft	22,050 lbs - 173'-0"	22,050	22,050	22,050	22,050	22,050	22,050	22,050	21,100	19,150					
180ft	22,050 lbs - 180'-0"	22,050	22,050	22,050	22,050	22,050	22,050	22,050	22,050						
164ft	22,050 lbs - 164'-0"	22,050	22,050	22,050	22,050	22,050	22,050	22,050							
131ft	22,050 lbs - 131'-0"	22,050	22,050	22,050	22,050	22,050									

Radius and capacity (feet and pounds) 4-Part-Line ft															
Hook Radius	66	82	98	115	131	148	164	180	197	213	230	246	262	279	
279ft	41,000 lbs - 47'-0"	29,500	29,500	17,850	14,650	12,200	10,350	8,850	7,650	6,650	5,800	5,050	4,450	3,900	3,500
262ft	41,000 lbs - 56'-0"	36,950	28,450	22,900	19,000	16,050	13,800	12,000	10,550	9,350	8,300	7,450	6,700	6,150	
246ft	41,000 lbs - 67'-0"	41,000	35,150	28,400	23,700	20,150	17,450	15,300	13,500	12,050	10,800	9,750	9,000		
230ft	41,000 lbs - 77'-0"	41,000	41,000	33,400	28,000	23,950	20,850	18,400	16,400	14,700	13,300	12,300			
213ft	41,000 lbs - 82'-0"	41,000	41,000	35,950	30,150	25,900	22,550	19,900	17,750	15,950	14,750				
197ft	41,000 lbs - 88'-0"	41,000	41,000	39,000	32,850	28,250	24,700	21,900	19,600	18,050					
180ft	41,000 lbs - 99'-0"	41,000	41,000	41,000	37,300	32,150	28,200	25,000	22,900						
164ft	41,000 lbs - 102'-0"	41,000	41,000	41,000	38,500	33,200	29,100	26,450							
131ft	41,000 lbs - 105'-0"	41,000	41,000	41,000	39,750	35,250									

Radius and capacity (meters and tons) 2-Part-Line m															
Hook Radius	25	30	35	40	40	45	50	55	60	65	70	75	80	85	
85m	10t - 27.57m	10	10	8.86	7.46	6.4	5.58	4.93	4.39	3.57	3.57	3.24	2.96	2.72	2.5
80m	10t - 33.48m	10	10	10	9.49	8.17	7.14	6.33	5.66	5.11	4.65	4.25	3.9	3.6	
75m	10t - 39.60m	10	10	10	10	9.87	8.65	7.68	6.9	6.24	5.68	5.21	4.8		
70m	10t - 46.95m	10	10	10	10	10	10	9.33	8.4	7.62	6.96	6.4			
65m	10t - 48.98m	10	10	10	10	10	10	9.77	8.8	7.98	7.3				
60m	10t - 52.88m	10	10	10	10	10	10	10	9.57	8.7					
55m	10t - 55.00m	10	10	10	10	10	10	10	10						
50m	10t - 50.00m	10	10	10	10	10	10	10							
40m	10t - 40.00m	10	10	10	10	10									

Radius and capacity (meters and tons) 4-Part-Line m															
Hook Radius	20	25	30	35	40	45	50	55	60	65	70	75	80	85	
85m	20t - 14.26m	12.98	10	8.02	6.6	5.54	4.71	4.05	3.51	3.06	2.68	2.35	2.07	1.82	1.6
80m	20t - 17.17m	16.72	12.89	10.38	8.61	7.29	6.27	5.46	4.8	4.25	3.78	3.39	3.04	2.8	
75m	20t - 20.51m	20	15.9	12.88	10.74	9.15	7.92	6.94	6.14	5.47	4.91	4.44	4.1		
70m	20t - 24.07m	20	19.80	16.21	13.53	11.55	10.03	8.83	7.96	7.05	6.37	5.8			
65m	20t - 25.02m	20	19.98	16.29	13.68	11.74	10.23	9.04	8.06	7.26	6.7				
60m	20t - 26.87m	20	20	17.7	14.99	12.95	11.37	10.1	9.06	8.2					
55m	20t - 30.11m	20	20	20.02	17.09	14.79	13	11.57	10.4						
50m	20t - 30.97m	20	20	20	17.46	15.06	13.21	12							
40m	20t - 31.86m	20	20	20	18.03	16									

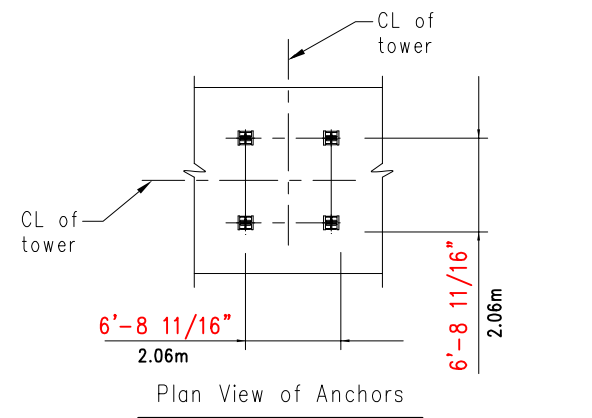
Hook Heights / Freestanding



For greater freestanding heights or hook heights for static or traveling undercarriage contact SUN CRANE AND HOIST

Note: Hook heights may be limited by geographic location.

- A = Height of complete slewing unit 7'-7" (2.3 m)
- B = Height of cab tower section 10'-0" (3.05m)
- C = Height of jib section 8'-2" (2.5m)
- D = Height of Service Derrick 12'-0" (3.6m)



Climbing / Tie-in Assembly

