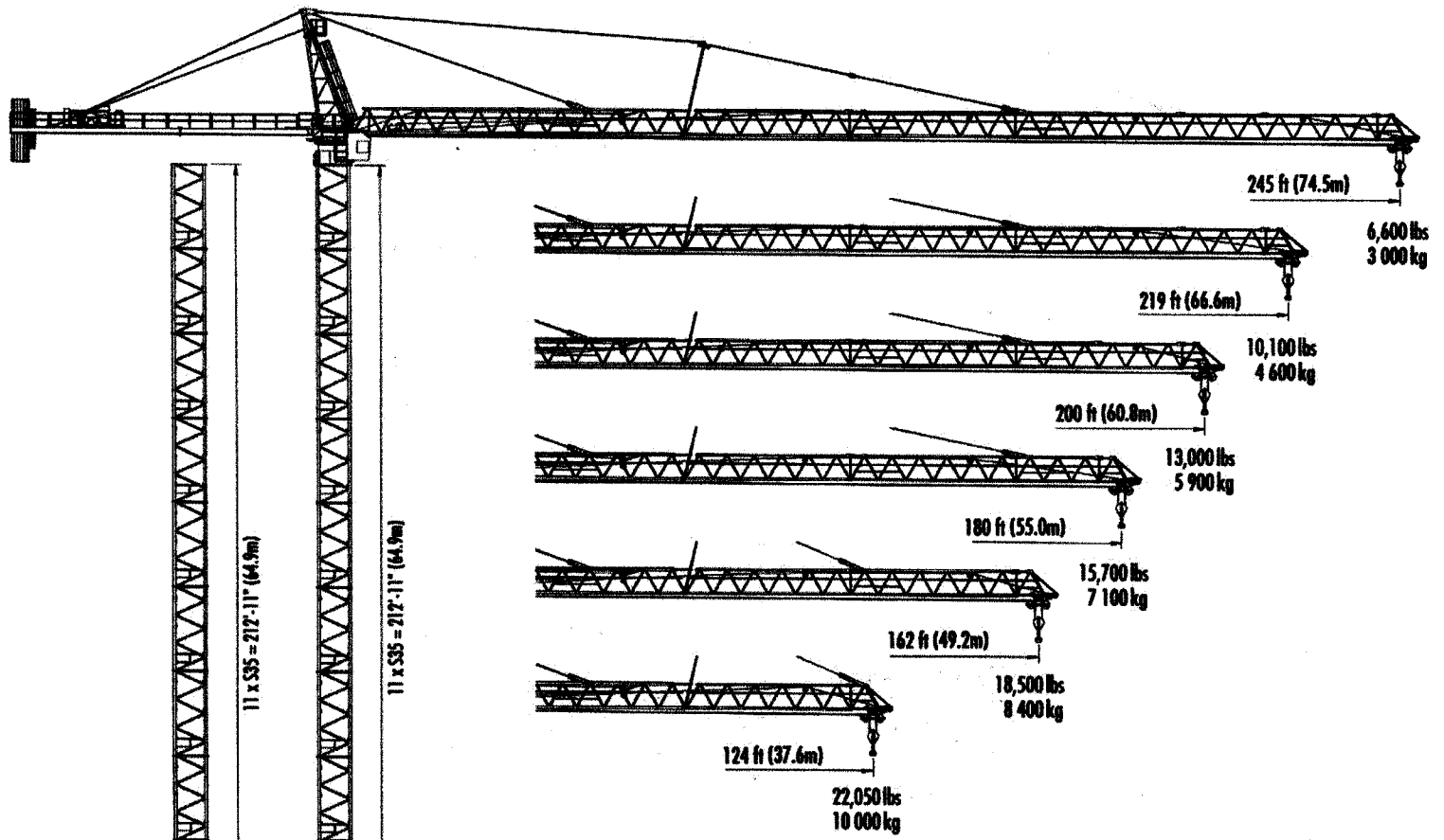


# Pecco SK 400

## TOWER CRANE



Configuration II

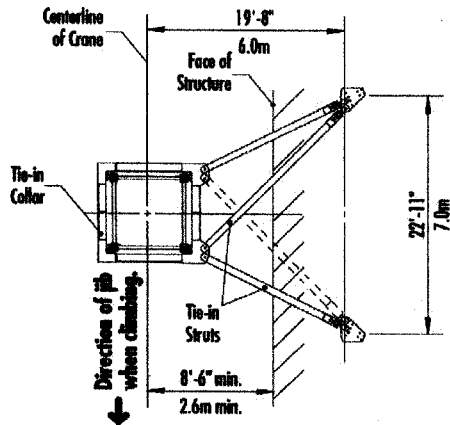
Configuration I

**STATIONARY  
FREESTANDING**

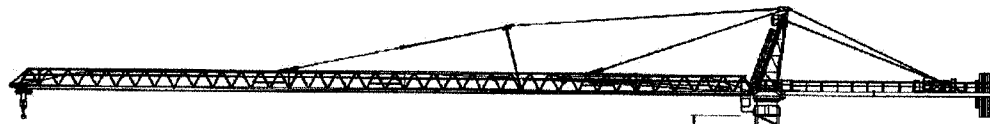
### Hook Heights

No. of Tower Sections	Tower Configuration I	Height Under Hook		Tower Configuration II	Height Under Hook	
		ft	m		ft	m
1	S60	18.4	5.6	S35	18.0	5.5
2	S60 to S35 Transition	37.8	11.5	S35	37.4	11.4
3	S35	57.1	17.4	S35	56.7	17.3
4	S35	76.5	23.3	S35	76.1	23.2
5	S35	95.9	29.2	S35	95.5	29.1
6	S35	115.2	35.1	S35	114.8	35.0
7	S35	134.6	41.0	S35	134.2	40.9
8	S35	153.9	46.9	S35	153.5	46.8
9	S35	173.3	52.8	S35	172.9	52.7
10	S35	192.6	58.7	S35	192.2	58.6
11	S35	212.0	64.6	S35*	211.6	64.5
12	S35	231.3	70.5			
13	S35*	250.7	76.4			

\* Lower the top climbing unit to base of crane prior to operating crane at maximum hook height.



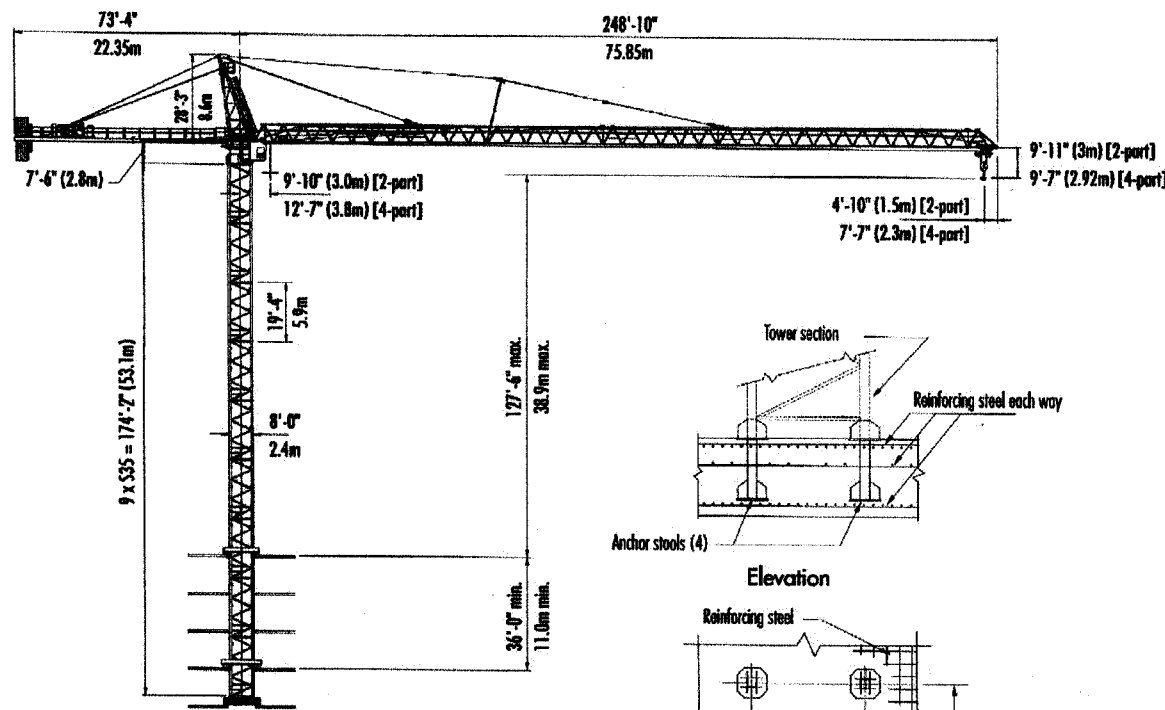
**TIE-IN ASSEMBLY**  
(Plan View)



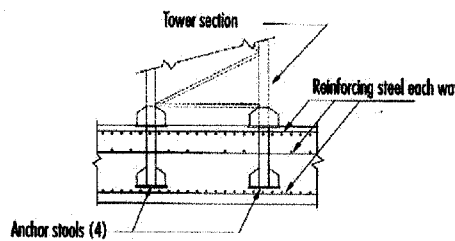
**NOTE!** If hook height exceeds 330 ft (100m), the number of tower sections above the uppermost tie-in location **MUST** be reduced by 1 tower section.

\* Lower the top climbing unit to the uppermost tie-in prior to operating crane at maximum hook height.

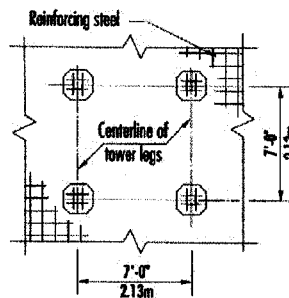
Consult Morrow Equipment for specific information regarding dimensions, tie-in locations, reaction forces and slab openings.



**BOTTOM CLIMBING**  
with S35 Tower Sections  
(Inside Structure)

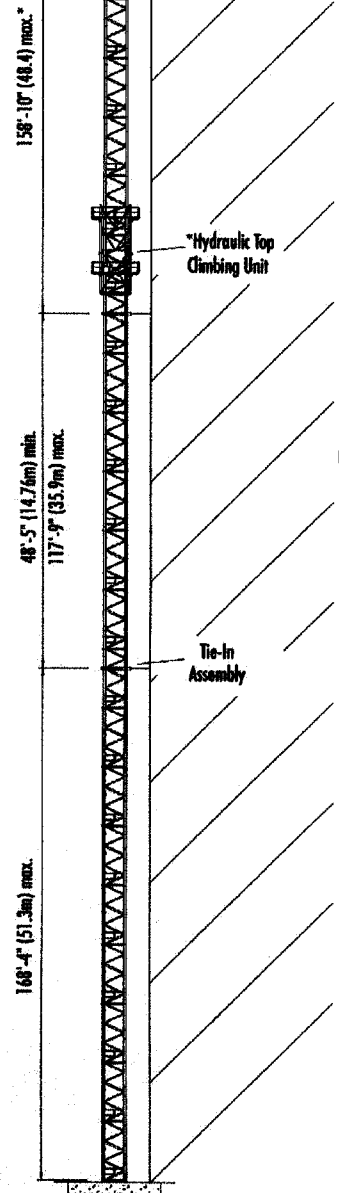


Elevation



Plan View

**FOUNDATION DETAILS**  
(Concrete Slab)



**TOP CLIMBING**  
with S35 Tower Sections  
(Tied to Structure)

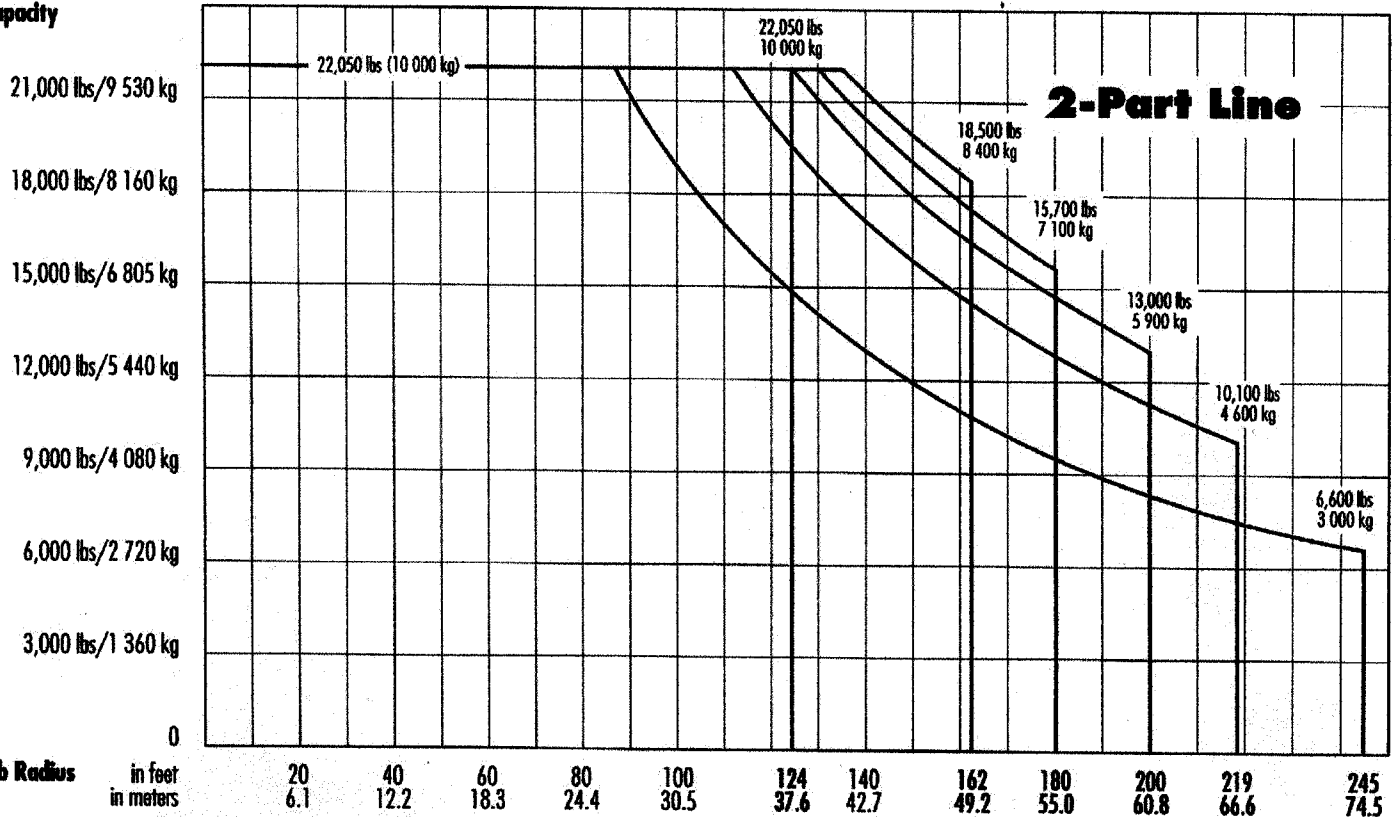
# Radius and Capacities

## Pecco Tower Crane Model SK 400

### 2-Part Line

Hook Radius	2-Part Line Max Capacity - Radius	ft m	112	120	124	130	140	150	162	170	180	190	200	210	219	230	240	245
			34.1	36.6	37.6	39.6	42.7	45.7	49.2	51.8	55.0	57.9	60.8	64.0	66.6	70.1	73.2	74.5
245 ft 74.5m	22,050 lbs - 88 ft 10 000 kg - 26.8m	lbs kg	16,900 7 670	15,500 7 030	15,000 6 800	14,200 6 440	13,000 5 900	12,000 5 440	11,000 4 990	10,400 4 720	9,500 4 310	9,000 4 080	8,400 3 810	7,900 3 580	7,500 3 400	7,000 3 180	6,700 3 040	6,600 3 000
219 ft 66.6m	22,050 lbs - 112 ft 10 000 kg - 34.1m	lbs kg	22,050 10 000	20,400 9 250	19,700 8 940	18,600 8 440	17,000 7 710	15,800 7 170	14,500 6 580	13,600 6 170	12,700 5 760	12,000 5 440	11,500 5 220	10,600 4 810	10,100 4 600			
200 ft 60.8m	22,050 lbs - 124 ft 10 000 kg - 37.6m	lbs kg	22,050 10 000	22,050 10 000	22,050 10 000	21,200 9 620	19,500 8 850	18,100 8 210	16,600 7 630	15,600 7 080	14,600 6 620	13,700 6 210	13,000 5 900					
180 ft 55.0m	22,050 lbs - 130 ft 10 000 kg - 39.6m	lbs kg	22,050 10 000	22,050 10 000	22,050 10 000	22,050 10 000	20,800 9 430	19,200 8 710	17,700 8 030	16,700 7 580	15,700 7 100							
162 ft 49.2m	22,050 lbs - 135 ft 10 000 kg - 41.1m	lbs kg	22,050 10 000	22,050 10 000	22,050 10 000	22,050 10 000	21,700 9 840	20,100 9 120	18,500 8 400									
124 ft 37.6m	22,050 lbs - 124 ft 10 000 kg - 37.6m	lbs kg	22,050 10 000	22,050 10 000	22,050 10 000													

### Capacity



# Radius and Capacities

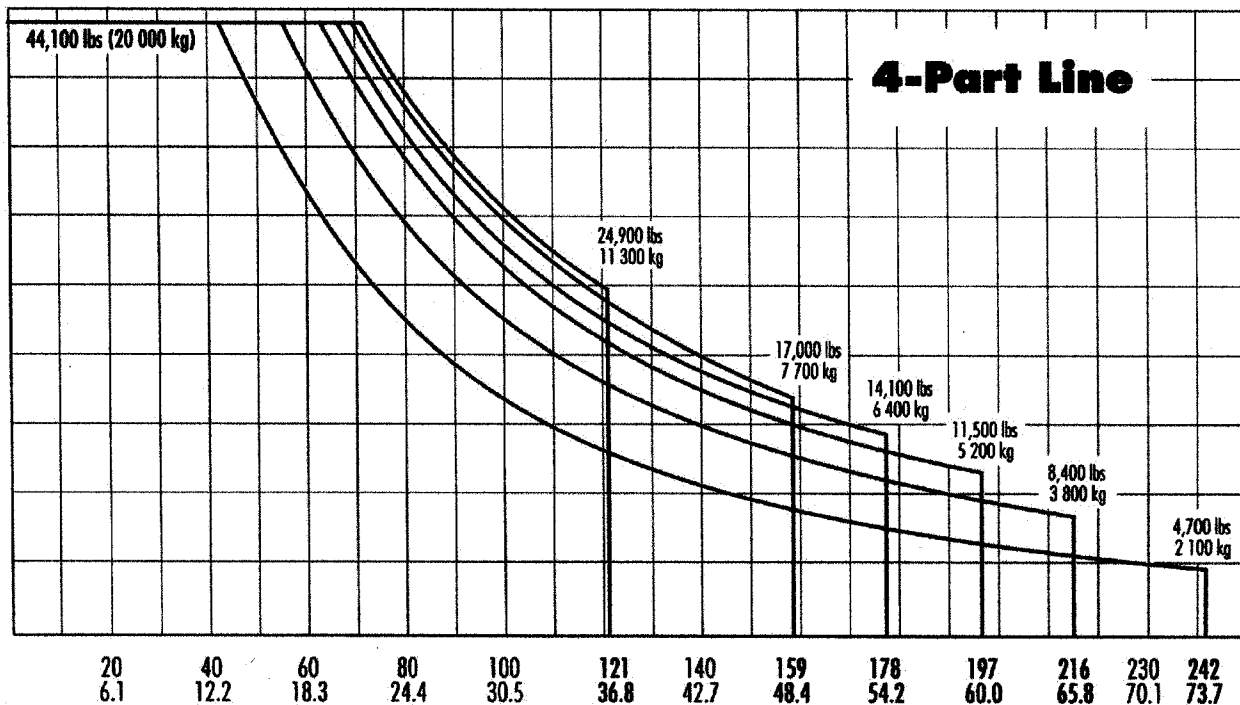
## Pecco Tower Crane Model SK 400

### 4-Part Line

Hook Radius	4-Part Line Max Capacity - Radius	ft m	70	80	90	100	110	121	130	140	159	170	178	190	197	210	216	230	242
			21.3	24.4	27.4	30.5	33.5	36.8	39.6	42.7	48.4	51.8	54.2	57.9	60.0	64.0	65.8	70.1	73.7
242 ft 73.7m	44,100 lbs - 42 ft 20 000 kg - 12.8m	lbs kg	26,300 11 930	22,300 10 120	19,400 8 800	16,900 7 670	15,000 6 800	13,200 5 990	12,000 5 440	10,900 4 940	9,100 4 130	8,300 3 760	7,700 3 490	6,900 3 130	6,600 2 990	5,900 2 680	5,700 2 590	5,100 2 310	4,700 2 100
216 ft 65.8m	44,100 lbs - 55 ft 20 000 kg - 16.8m	lbs kg	34,700 15 740	29,700 13 470	25,800 11 700	22,800 10 340	20,400 9 250	18,100 8 210	16,500 7 480	15,000 6 800	12,800 5 810	11,700 5 310	11,000 4 990	10,100 4 580	9,500 4 310	8,700 3 950	8,400 3 800		
197 ft 60.0m	44,100 lbs - 62 ft 20 000 kg - 18.9m	lbs kg	40,300 18 280	34,500 15 650	30,200 13 700	26,700 12 110	23,700 10 750	21,300 9 660	19,400 8 800	17,700 8 030	15,200 6 890	13,800 6 260	13,100 5 940	12,000 5 440	11,500 5 200				
178 ft 54.2m	44,100 lbs - 67 ft 20 000 kg - 20.4m	lbs kg	43,200 19 600	36,800 16 690	32,200 14 610	28,500 12 930	25,500 11 570	22,800 10 340	20,800 9 430	19,000 8 620	16,300 7 390	14,900 6 760	14,100 6 400						
159 ft 48.4m	44,100 lbs - 70 ft 20 000 kg - 21.3m	lbs kg	44,100 20 000	38,200 17 330	33,300 15 100	29,500 13 380	26,500 12 020	23,700 10 750	21,800 9 890	19,900 9 030	17,000 7 700								
121 ft 36.8m	44,100 lbs - 72 ft 20 000 kg - 21.9m	lbs kg	44,100 20 000	40,200 18 230	35,000 15 880	31,000 14 060	27,800 12 610	24,900 11 300											

### Capacity

40,000 lbs/18 140 kg  
35,000 lbs/15 880 kg  
30,000 lbs/13 610 kg  
25,000 lbs/11 340 kg  
20,000 lbs/9 070 kg  
15,000 lbs/6 800 kg  
10,000 lbs/4 540 kg  
5,000 lbs/2 270 kg  
0



# SPECIFICATIONS

## Pecco Tower Crane Model SK 400

### Hoist Speed and Capacity

Hoist Unit	2-Part Line				
	Gear	Capacity	Line Speed	Capacity	Line Speed
105 hp (78 kW) AC hoist unit 4-speed gearbox Remote-controlled gear shifting Eddy current brake  2P140 4P70	1	22,050 lbs	@ 110 fpm	10 000 kg	@ 34 m/min
	2	15,600 lbs	@ 178 fpm	7 100 kg	@ 54 m/min
	3	9,260 lbs	@ 282 fpm	4 200 kg	@ 86 m/min
	4	5,500 lbs	@ 440 fpm	2 500 kg	@ 134 m/min
	4-Part Line				
	1	44,100 lbs	@ 55 fpm	20 000 kg	@ 17 m/min
	2	31,200 lbs	@ 89 fpm	14 200 kg	@ 27 m/min
	3	18,520 lbs	@ 141 fpm	8 400 kg	@ 43 m/min
4	11,000 lbs	@ 220 fpm	5 000 kg	@ 67 m/min	

Hoist Unit	2-Part Line				
	Gear	Capacity	Line Speed	Capacity	Line Speed
165 hp (122 kW) AC hoist unit 4-speed gearbox Remote-controlled gear shifting Eddy current brake  2P230 4P115	1	22,050 lbs	@ 160 fpm	10 000 kg	@ 48 m/min
	2	17,600 lbs	@ 250 fpm	8 000 kg	@ 76 m/min
	3	10,600 lbs	@ 400 fpm	4 800 kg	@ 120 m/min
	4	6,200 lbs	@ 630 fpm	2 800 kg	@ 192 m/min
	4-Part Line				
	1	44,100 lbs	@ 80 fpm	20 000 kg	@ 24 m/min
	2	35,200 lbs	@ 125 fpm	16 000 kg	@ 38 m/min
	3	21,200 lbs	@ 200 fpm	9 600 kg	@ 60 m/min
4	12,400 lbs	@ 315 fpm	5 600 kg	@ 96 m/min	

**NOTE!** This crane model may be equipped with a hoist unit other than that specified in the data above. To verify, check the serial number of the crane.



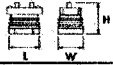

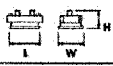


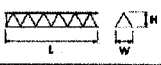

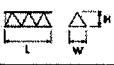


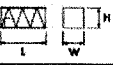

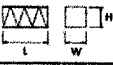
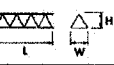
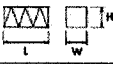

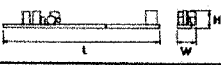


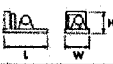
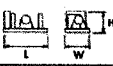


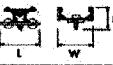
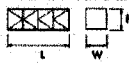

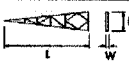
### Motor Information

Drive Unit	Horsepower	Kilowatts	Speed	
Trolley (2-part line)	12 hp	9 kW	max. 320 fpm	max. 96 m/min
Trolley (4-part line)	12 hp	9 kW	max. 160 fpm	max. 48 m/min
Swing *	3 x 12 hp	3 x 9 kW	1.0 rpm	

\* **NOTE!** Jibs up to and including 162-ft (49.2m) hook reach require only two swing motors; jibs with 180-ft (55.0m) hook reach and longer require three swing motors.

### Power Requirements

480 Volts — 3-phase — 60-cycle	250 Amperes service with 105 hp (78 kW) AC hoist unit
	300 Amperes service with 165 hp (122 kW) AC hoist unit

Description	Dimensions L x W x H	Weight	Description	Dimensions L x W x H	Weight
Tower Top 	29'-2" x 7'-1" x 8'-2" 8.9m x 2.15m x 2.5m	7,800 lbs 3 540 kg	Jib Section ① 	38'-9" x 6'-0" x 6'-10" 11.8m x 1.84m x 2.09m	8,000 lbs 3 630 kg
Turntable (Complete) Upper & Lower Part 	11'-8" x 9'-8" x 12'-2" 3.55m x 2.94m x 3.7m	27,400 lbs 12 430 kg	Jib Section ② 	38'-9" x 6'-0" x 5'-11" 11.8m x 1.84m x 1.8m	5,000 lbs 2 270 kg
Turntable Upper Part 1 	11'-8" x 6'-10" x 7'-2" 3.55m x 2.08m x 2.18m	14,200 lbs 6 440 kg	Jib Section ③ 	38'-9" x 6'-0" x 5'-11" 11.8m x 1.84m x 1.8m	4,300 lbs 1 950 kg
Turntable Lower Part 2 	9'-2" x 9'-8" x 5'-0" 2.8m x 2.94m x 1.52m	13,200 lbs 5 990 kg	Jib Section ④ 	38'-9" x 6'-0" x 5'-11" 11.8m x 1.84m x 1.8m	4,100 lbs 1 860 kg
Operator's Cab 	5'-11" x 4'-3" x 7'-1" 1.8m x 1.3m x 2.16m	1,000 lbs 454 kg	Jib Section ⑤ 	20'-0" x 6'-0" x 5'-11" 6.1m x 1.84m x 1.8m	2,000 lbs 907 kg
Cab Access Platform 	12'-8" x 5'-7" x 2'-10" 3.86m x 1.7m x 0.86m	1,000 lbs 454 kg	Jib Section ⑥ 	19'-8" x 6'-0" x 5'-11" 6.0m x 1.84m x 1.8m	1,400 lbs 635 kg
Tower Section S35 	19'-5" x 7'-10" x 8'-0" 5.92m x 2.4m x 2.44m	8,900 lbs 4 040 kg	Jib Section ⑦ 	19'-8" x 6'-0" x 5'-11" 6.0m x 1.84m x 1.8m	1,300 lbs 590 kg
Transition Section S60/S35 	19'-5" x 7'-11" x 7'-11" 5.92m x 2.41m x 2.41m	9,930 lbs 4 500 kg	Jib Section ⑧ 	26'-0" x 6'-0" x 5'-11" 7.92m x 1.84m x 1.8m	1,500 lbs 680 kg
Tower Section S60 	19'-5" x 7'-11" x 7'-11" 5.92m x 2.41m x 2.41m	9,930 lbs 4 500 kg	Jib Section ⑨ 	10'-2" x 6'-4" x 7'-1" 3.09m x 1.92m x 2.15m	1,000 lbs 454 kg
Counterjib 3 (Complete) 	69'-3" x 9'-2" x 5'-6" 21.1m x 2.8m x 1.67m	23,690 lbs 10 745 kg	Jib Assembly Part 1 6 for all Jib Assemblies ①②	76'-2" x 6'-0" x 6'-10" 23.2m x 1.84m x 2.09m	19,550 lbs 8 870 kg
Counterjib Section #1 (Inner) 	30'-9" x 6'-5" x 5'-6" 9.36m x 1.95m x 1.67m	5,100 lbs 2 315 kg	Jib Assembly Part 2 7 245-ft (74.5m) ③④⑤⑥⑦⑧⑨	168'-5" x 6'-4" x 7'-1" 51.34m x 1.92m x 2.15m	15,660 lbs 7 105 kg
Counterjib Section #2 4 (Outer) 	38'-7" x 9'-2" x 5'-4" 11.75m x 2.8m x 1.62m	18,590 lbs 8 430 kg	Jib Assembly Part 2 7 219-ft (66.6m) ③④⑤⑥⑦⑨	143'-1" x 6'-4" x 7'-1" 43.6m x 1.92m x 2.15m	14,100 lbs 6 395 kg
Hoist Unit with Frame 5 (105 hp/78 kW) 	10'-8" x 8'-7" x 4'-5" 3.25m x 2.6m x 1.35	10,220 lbs 4 635 kg	Jib Assembly Part 2 7 200-ft (60.8m) ③④⑤⑥⑨	124'-1" x 6'-4" x 7'-1" 37.82m x 1.92m x 2.15m	12,840 lbs 5 825 kg
Hoist Unit with Frame 5 (165 hp/122 kW) 	10'-8" x 8'-7" x 4'-5" 3.25m x 2.6m x 1.35m	12,320 lbs 5 590 kg	Jib Assembly Part 2 7 180-ft (55m) ③④⑤⑨	105'-1" x 6'-4" x 7'-1" 32.03m x 1.92m x 2.15m	11,540 lbs 5 435 kg
Counterweight Block A 	14'-8" x 5.5" x 5'-1" 4.47m x 0.14m x 1.55m	6,800 lbs 3 085 kg	Jib Assembly Part 2 7 162-ft (49.2m) ③④⑨	85'-9" x 6'-4" x 7'-1" 26.1m x 1.92m x 2.15m	10,100 lbs 4 580 kg
Counterweight Block B 	9'-5" x 5.5" x 5'-1" 2.87m x 0.14m x 1.55m	3,200 lbs 1 450 kg	Jib Assembly Part 2 7 124-ft (37.6m) ③⑨	47'-8" x 6'-4" x 7'-1" 14.53m x 1.92m x 2.15m	6,000 lbs 2 720 kg
2-Part Trolley (Outer) 	5'-7" x 6'-11" x 4'-3" 1.7m x 2.11m x 1.28m	950 lbs 430 kg	Top Climbing Unit with Hydraulics (S35) 	29'-3" x 11'-6" x 11'-6" 8.9m x 3.5m x 3.5m	24,750 lbs 11 230 kg
Hook Block 	2'-5" x 1'-1" x 5'-10" 0.74m x 0.33m x 1.79m	1,100 lbs 500 kg	Jib A-frame 	21'-7" x 5.5" x 4'-8" 6.57m x 0.14m x 1.43m	800 lbs 360 kg

**NOTE:** Weights and dimensions are approximate. Scale components before lifting.

<sup>1</sup> Turntable upper part includes swing motors and slewing ring. Does not include slewing ring support and support frame.

<sup>2</sup> Turntable lower part includes slewing ring support and support frame. Does not include Upper Part, swing motors and slewing ring.

<sup>3</sup> Includes Counterjib Sections #1 & #2, 105 hp (78 kW) hoist unit with frame, electrical panels and handrails. Does not include wire rope. If alternate 165 hp (122 kW) hoist unit is installed, the weight of Counterjib (Complete) increases by 2,100 lbs (950 kg).

<sup>4</sup> Counterjib Section #2 includes 105 hp (78 kW) hoist unit with frame, electrical panels and handrails. Does not include wire rope. If alternate 165 hp (122 kW) hoist unit is installed, the weight of Counterjib Section #2 increases by 2,100 lbs (950 kg).

<sup>5</sup> Does not include wire rope.

<sup>6</sup> Jib Assembly Part 1 includes jib sections, pendant cables, jib A-frame, trolley drive unit, trolley wire rope, 2-part trolley (outer) and hook block. If 4-part application is used, weight increases by 2,050 lbs (930 kg) for additional trolley (inner) and hook block.

<sup>7</sup> Jib Assembly Part 2 includes jib sections and pendant cables.