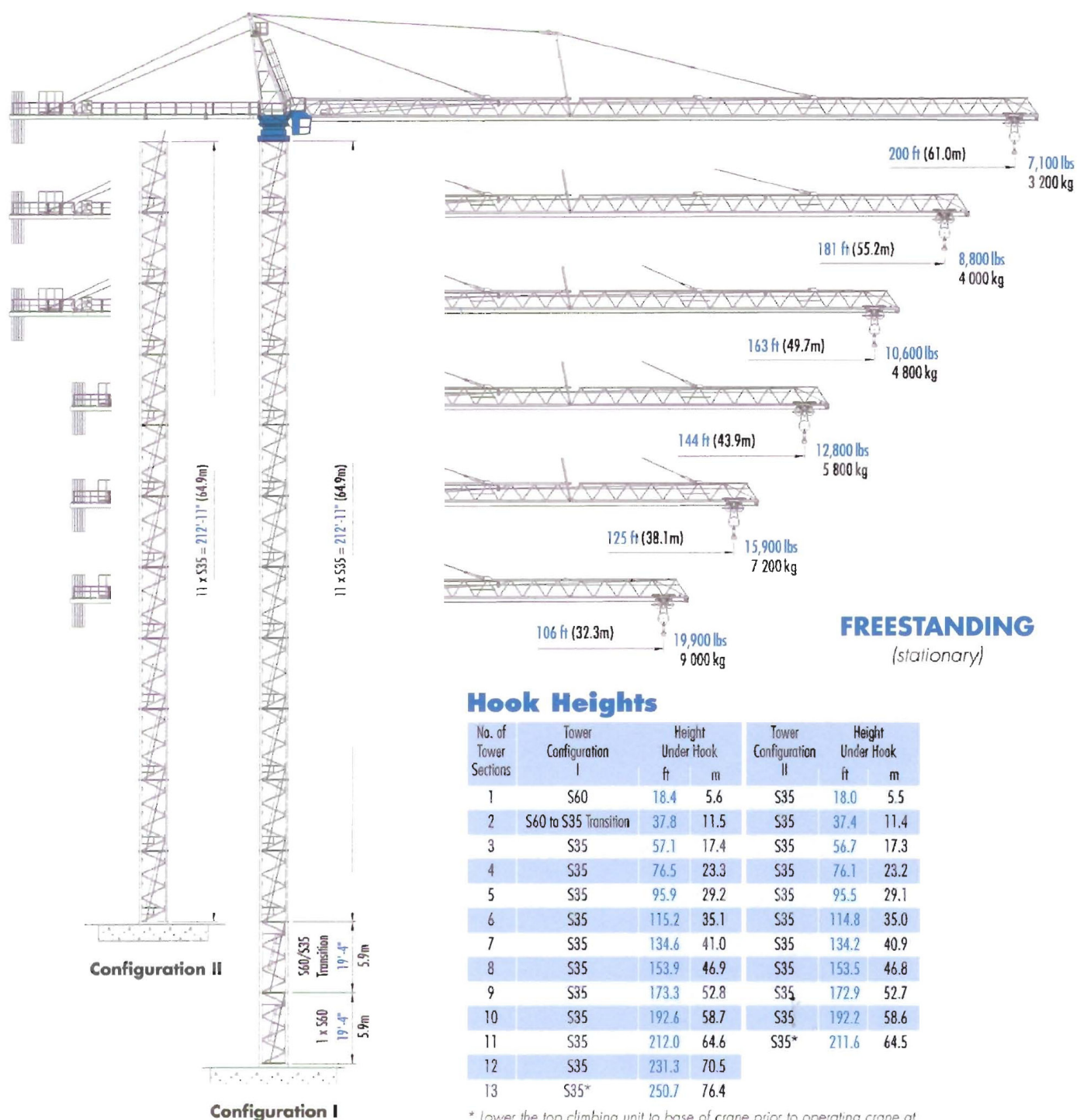




Pecco SK 225

TOWER CRANE

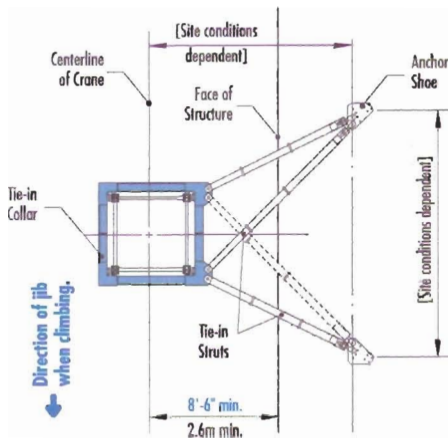


* Lower the top climbing unit to base of crane prior to operating crane at maximum hook height.



Configurations

Pecco SK 225



TIE-IN ASSEMBLY
(Plan View)

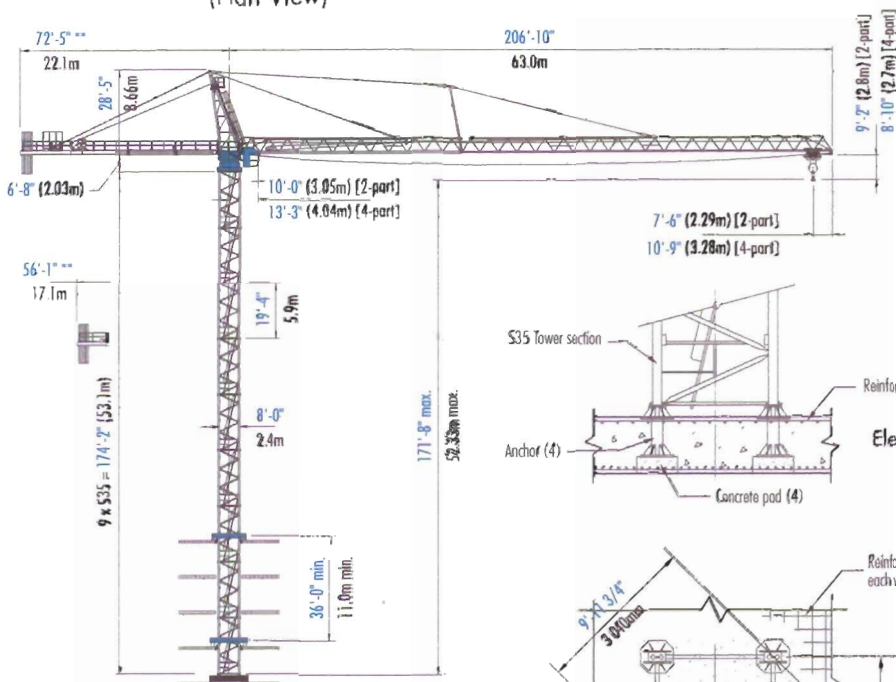


NOTE! If hook height exceeds 330 ft (100m), the number of tower sections above the uppermost tie-in location **MUST** be reduced by 1 tower section.

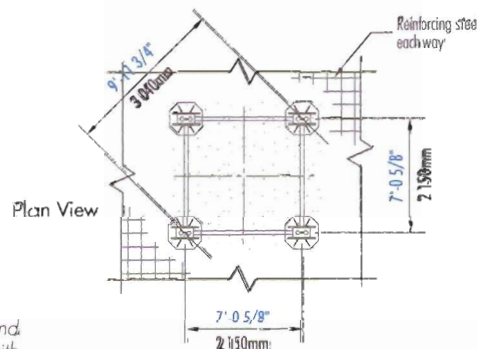
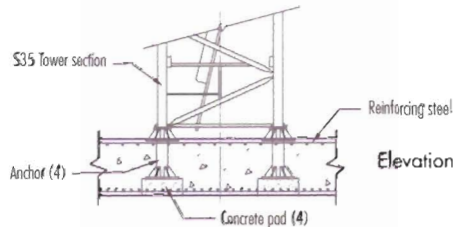
* Lower the top climbing unit to the uppermost tie-in prior to operating crane at maximum hook height.

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

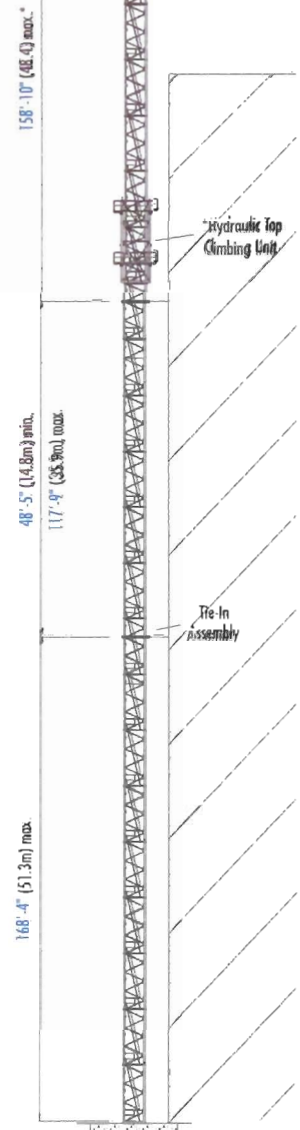
IMPORTANT! Please consult crane's operation manual before erecting, operating and dismantling crane.



BOTTOM CLIMBING
with S35 Tower Sections
(Inside Structure)



FOUNDATION DETAILS
with S35 Tower Sections
(Concrete Slab)



TOP CLIMBING
with S35 Tower Sections
(Tied to Structure)

****NOTE!** Jibs with a hook reach off 163 ft (49.7m) and longer require the 72'-5" (22.1m) counterjib, for jibs with a hook reach of 144 ft (43.9m) or shorter, the 56'-1" (17.1m) counterjib is required.



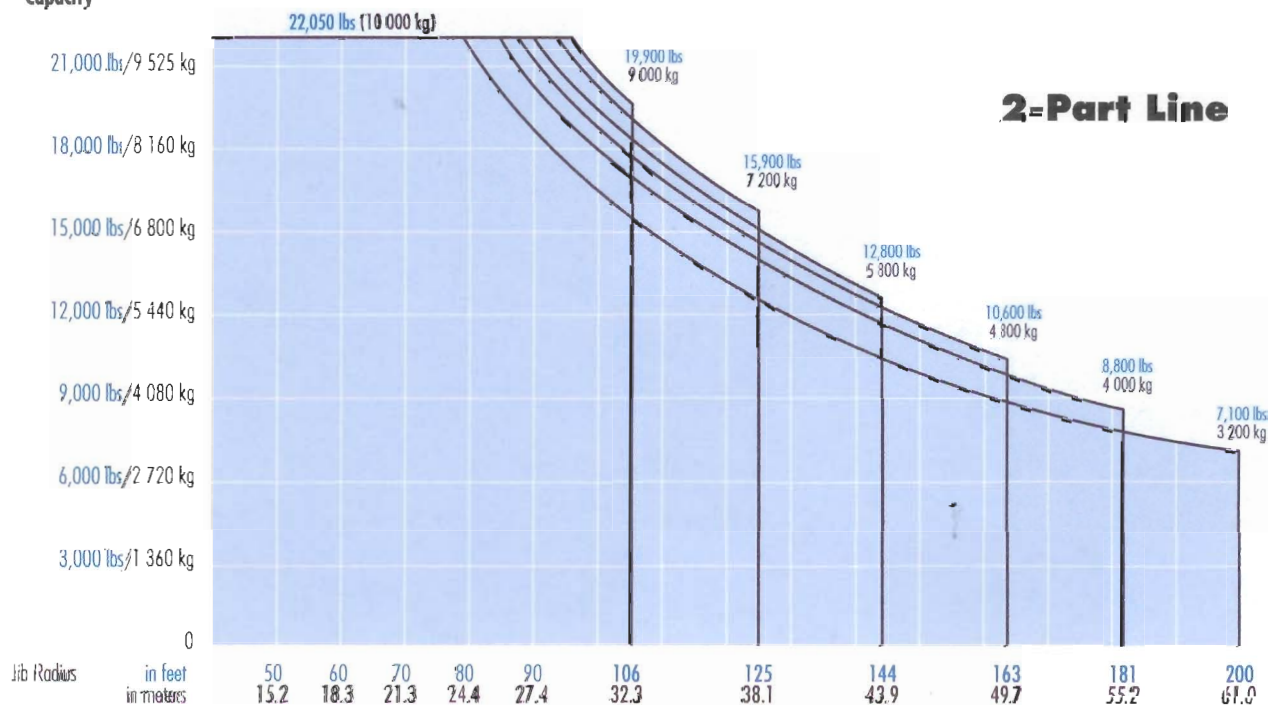
Radius and Capacities

Pecco Tower Crane Model SK 225

2-Part Line

Hook Radius	2-Part Line	ft	80	90	100	106	110	120	125	130	140	144	150	160	163	170	181	190	200
	Max Capacity — Radius	m	24.4	27.4	30.5	32.3	33.5	36.6	38.1	39.6	42.7	43.9	45.7	48.8	49.7	51.8	55.2	57.9	61.0
200 ft 61.0m	22,050 lbs — 79 ft 10 000 kg — 24.0m	lbs	21,760	18,800	16,800	15,700	15,000	13,600	12,900	12,300	11,200	10,800	10,200	9,400	9,200	8,700	7,900	7,400	7,100
		kg	9 870	8 530	7 620	7 120	6 800	6 170	5 850	5 580	5 080	4 900	4 630	4 260	4 170	3 950	3 580	3 360	3 200
181 ft 55.2m	22,050 lbs — 85 ft 10 000 kg — 25.9m	lbs	22,050	20,400	18,200	17,100	16,300	14,800	14,200	13,500	12,300	11,900	11,300	10,400	10,200	9,600	8,800		
		kg	10 000	9 250	8 260	7 760	7 390	6 710	6 440	6 120	5 580	5 400	5 130	4 720	4 630	4 350	4 000		
163 ft 49.7m	22,050 lbs — 88 ft 10 000 kg — 26.8m	lbs	22,050	21,300	19,100	17,900	17,200	15,400	14,800	14,000	12,800	12,400	11,800	10,800	10,600				
		kg	10 000	9 660	8 660	8 120	7 800	6 990	6 710	6 350	5 810	5 620	5 350	4 900	4 800				
144 ft 43.9m	22,050 lbs — 90 ft 10 000 kg — 27.4m	lbs	22,050	22,050	19,700	18,500	17,700	15,900	15,300	14,500	13,200	12,800							
		kg	10 000	10 000	8 940	8 390	8 030	7 210	6 940	6 580	5 990	5 800							
125 ft 38.1m	22,050 lbs — 94 ft 10 000 kg — 28.7m	lbs	22,050	22,050	20,500	19,300	18,400	16,700	15,900										
		kg	10 000	10 000	9 300	8 750	8 350	7 580	7 200										
106 ft 32.3m	22,050 lbs — 96 ft 10 000 kg — 29.3m	lbs	22,050	22,050	21,200	19,900													
		kg	10 000	10 000	9 620	9 000													

Capacity





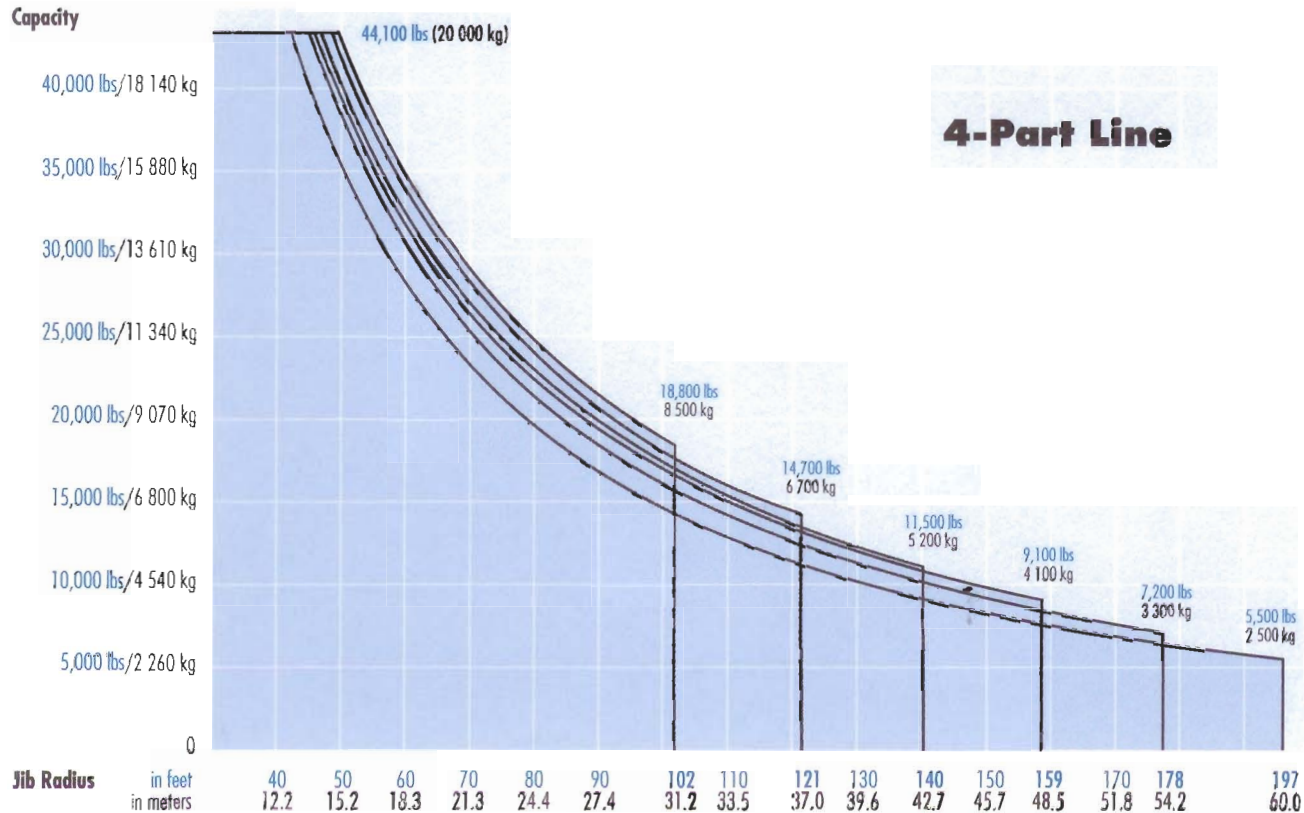
Radius and Capacities

Pecco Tower Crane Model SK 225

4-Part Line

Hook Radius	4-Part Line	ft	42	50	60	70	80	90	102	110	121	130	140	150	159	170	178	190	197
Max Capacity — Radius		m	12.8	15.2	18.3	21.3	24.4	27.4	31.2	33.5	37.0	39.6	42.7	45.7	48.5	51.8	54.2	57.9	60.0
197 ft 60.0m	44,100 lbs — 42 ft 20 000 kg — 12.8m	lbs	44,100	35,300	28,400	23,600	20,100	17,300	14,600	13,200	11,600	10,600	9,600	8,600	7,700	6,900	6,400	5,700	5,500
		kg	20 000	16 010	12 880	10 700	9 120	7 850	6 620	5 990	5 260	4 810	4 350	3 900	3 490	3 130	2 900	2 590	2 500
178 ft 54.2m	44,100 lbs — 45 ft 20 000 kg — 13.7m	lbs	44,100	38,200	30,800	25,500	21,700	18,800	15,900	14,500	12,800	11,700	10,500	9,500	8,700	7,700	7,200		
		kg	20 000	17 330	13 970	11 570	9 840	8 530	7 210	6 580	5 810	5 310	4 760	4 310	3 950	3 490	3 300		
159 ft 48.5m	44,100 lbs — 46 ft 20 000 kg — 14.0m	lbs	44,100	39,800	32,200	26,600	22,700	19,700	16,800	15,300	13,500	12,300	11,000	9,900	9,100				
		kg	20 000	18 050	14 610	12 070	10 300	8 940	7 620	6 940	6 120	5 580	4 990	4 490	4 100				
140 ft 42.7m	44,100 lbs — 47 ft 20 000 kg — 14.3m	lbs	44,100	41,000	33,100	27,300	23,300	20,300	17,400	15,800	13,900	12,700	11,500						
		kg	20 000	18 600	15 010	12 380	10 570	9 210	7 890	7 170	6 310	5 760	5 200						
121 ft 37.0m	44,100 lbs — 49 ft 20 000 kg — 14.9m	lbs	44,100	43,000	34,800	28,800	24,300	21,300	18,300	16,600	14,700								
		kg	20 000	19 500	15 790	13 060	11 020	9 660	8 300	7 530	6 700								
102 ft 31.2m	44,100 lbs — 50 ft 20 000 kg — 15.2m	lbs	44,100	44,100	35,900	29,700	25,200	21,900	18,800										
		kg	20 000	20 000	16 280	13 470	11 430	9 930	8 500										

Capacity





SPECIFICATIONS

Pecco Tower Crane Model SK 225

Hoist Speed and Capacity

Hoist Unit	2-Part Line			
105 hp (78 kW) AC hoist unit 4-speed gearbox Remote-controlled gear shifting Eddy current brake	Gear	Capacity	Hoist Speed	Capacity
	1	up to 22,050 lbs	@ 110 fpm	up to 10 000 kg @ 34 m/min
	2	up to 14,800 lbs	@ 178 fpm	up to 6 700 kg @ 54 m/min
	3	up to 9,260 lbs	@ 282 fpm	up to 4 200 kg @ 86 m/min
	4	up to 5,500 lbs	@ 440 fpm	up to 2 500 kg @ 134 m/min
	4-Part Line			
	1	up to 44,100 lbs	@ 55 fpm	up to 20 000 kg @ 17 m/min
	2	up to 29,600 lbs	@ 89 fpm	up to 13 400 kg @ 27 m/min
	3	up to 18,520 lbs	@ 141 fpm	up to 8 400 kg @ 43 m/min
2P180 4P90	4	up to 11,000 lbs	@ 220 fpm	up to 5 000 kg @ 67 m/min

NOTE! Capacities and line speeds indicated will vary depending on the amount of hoist rope installed. 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 and refer to the Pecco SK 225 Operation Manual for additional information.

Motor Information

Drive Unit	Horsepower	Kilowatts	Speed	
Trolley (2-part line)	12 hp	9 kW	0 - 320 fpm	0 - 96 m/min
Trolley (4-part line)	12 hp	9 kW	0 - 160 fpm	0 - 48 m/min
Swing	2 x 12 hp	2 x 9 kW	1.0 rpm	

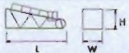
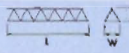
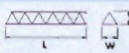
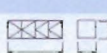
Power Requirements

480 V — 3-phase — 60 Hz — 250 Amperes



Component List

Pecco SK 225

Description	Dimensions L x W x H	Weight	Description	Weight
Tower Top 	28'-11" x 7'-2" x 8'-3" 8.8m x 2.18m x 2.5m	6,000 lbs 2 720 kg	Jib Section ① 	38'-9" x 6'-1" x 6'-5" 11.8m x 1.85m x 1.95m 8,000 lbs 3 630 kg
Turntable (Complete) Upper & Lower Part 	9'-4" x 10'-0" x 10'-9" 2.85m x 3.05m x 3.28m	21,000 lbs 9 525 kg	Jib Section ② 	38'-9" x 6'-1" x 6'-5" 11.8m x 1.85m x 1.95m 6,500 lbs 2 950 kg
Turntable Upper Part ¹ 	9'-4" x 6'-9" x 7'-1" 2.85m x 2.05m x 2.16m	10,900 lbs 4 945 kg	Jib Section ③ 	38'-4" x 6'-1" x 5'-9" 11.68m x 1.85m x 1.75m 4,500 lbs 2 040 kg
Turntable Lower Part ² 	8'-8" x 10'-0" x 3'-8" 2.64m x 3.05m x 1.12m	10,100 lbs 4 580 kg	Jib Section ④ 	38'-5" x 6'-1" x 5'-9" 11.7m x 1.85m x 1.75m 3,800 lbs 1 725 kg
Operator's Cab 	5'-7" x 3'-11" x 6'-11" 1.7m x 1.2m x 2.1m	900 lbs 410 kg	Jib Section ⑤ 	19'-3" x 6'-1" x 5'-9" 5.87m x 1.85m x 1.75m 1,440 lbs 655 kg
Cab Access Platform 	12'-8" x 5'-7" x 2'-9" 3.85m x 1.7m x 0.85m	1,000 lbs 455 kg	Jib Section ⑥ 	19'-9" x 6'-1" x 5'-9" 6.02m x 1.85m x 1.75m 1,040 lbs 470 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 	13'-4" x 6'-1" x 6'-5" 4.06m x 1.85m x 1.95m 1,400 lbs 635 kg
Transition Section S60 to S35 	19'-5" x 7'-11" x 7'-11" 5.92m x 2.41m x 2.41m	9,930 lbs 4 500 kg	Jib Assembly Part 1 ⁶ for Jibs 125-ft to 200-ft ①②	75'-9" x 6'-1" x 6'-5" 23.1m x 1.85m x 1.95m 20,800 lbs 9 435 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 Assembly Part 2 ⁷ 200-ft (61.0m) ③④⑤⑥⑦	202'-3" x 6'-1" x 6'-5" 61.7m x 1.85m x 1.95m 12,880 lbs 5 840 kg
Counterjib A ³ (Complete) 	68'-6" x 10'-6" x 7'-10" 20.88m x 3.2m x 2.4m	23,000 lbs 10 430 kg	Jib Assembly Part 2 ⁷ 181-ft (55.2m) ③④⑤⑦	183'-5" x 6'-1" x 6'-5" 55.9m x 1.85m x 1.95m 11,840 lbs 5 370 kg
Counterjib B ³ (Complete) 	51'-7" x 10'-6" x 7'-10" 15.73m x 3.2m x 2.4m	19,900 lbs 9 025 kg	Jib Assembly Part 2 ⁷ 163-ft (49.7m) ③④⑦	164'-4" x 6'-1" x 6'-5" 50.1m x 1.85m x 1.95m 10,400 lbs 4 715 kg
Counterjib Section #1 (Inner) 	14'-9" x 6'-5" x 1'-10" 4.5m x 1.95m x 0.55m	2,900 lbs 1 315 kg	Jib Assembly Part 2 ⁷ 144-ft (43.9m) ③⑤⑦	145'-4" x 6'-1" x 6'-5" 44.3m x 1.85m x 1.95m 7,440 lbs 3 375 kg
Counterjib Section #2 (Intermediate) 	16'-11" x 6'-5" x 1'-10" 5.15m x 1.95m x 0.55m	3,100 lbs 1 405 kg	Jib Assembly Part 2 ⁷ 125-ft (38.1m) ③⑦	126'-8" x 6'-1" x 6'-5" 38.6m x 1.85m x 1.95m 6,000 lbs 2 720 kg
Counterjib Section #3 ⁴ (Outer) 	37'-9" x 10'-6" x 7'-10" 11.5m x 3.2m x 2.4m	17,000 lbs 7 710 kg	Jib Assembly (Complete) ⁸ 106-ft (32.3m) ①②⑤⑦	107'-7" x 6'-1" x 6'-5" 32.8m x 1.85m x 1.95m 21,440 lbs 9 725 kg
Hoist Unit ⁵ (105 hp/78 kW) 	9'-2" x 8'-11" x 4'-7" 2.79m x 2.72m x 1.4m	6,300 lbs 2 855 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
Counterweight Block A 	14'-8" x 7'-5" x 5'-1" 4.47m x 0.19m x 1.55m	6,800 lbs 3 085 kg	Jib A-frame 	21'-7" x 5'-5" x 4'-8" 6.57m x 0.14m x 1.43m 800 lbs 360 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	Hook Block 	2'-5" x 1'-1" x 5'-7" 0.74m x 0.33m x 1.69m 1,000 lbs 455 kg

NOTE! Weights and dimensions are approximate. Scale components before lifting.

¹ Turntable Upper Part includes swing motors and slewing ring. Does not include slewing ring support and support frame.

² Turntable Lower Part includes slewing ring support and support frame. Does not include Upper Part, swing motors and slewing ring.

³ Counterjibs A & B (Complete) include 105 hp (78 kW) hoist unit with frame, electrical panel and handrails. Does not include wire rope. Counterjib A (Counterjib Sections #1, #2 & #3) is required for jibs 163 ft (49.7m) and longer; Counterjib B (Counterjib Sections #1 & #3) is required for jibs of 144 ft (43.9m) and shorter.

⁴ Counterjib Section #3 includes 105 hp (78 kW) hoist unit with frame and electrical panel. Does not include wire rope.

⁵ Includes frame. Does not include wire rope.

⁶ 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 2,600 lbs (1 180 kg) for additional trolley (inner) and hook block.

⁷ Jib Assembly Part 2 includes jib sections and pendant cables.

⁸ Jib assembly (complete) includes jib sections, pendant cables, trolley drive unit, trolley wire rope, 2-part trolley (outer) and hook block. If 4-part application is used, weight increases by 2,600 lbs (1 180 kg) for additional trolley (inner) and hook block.