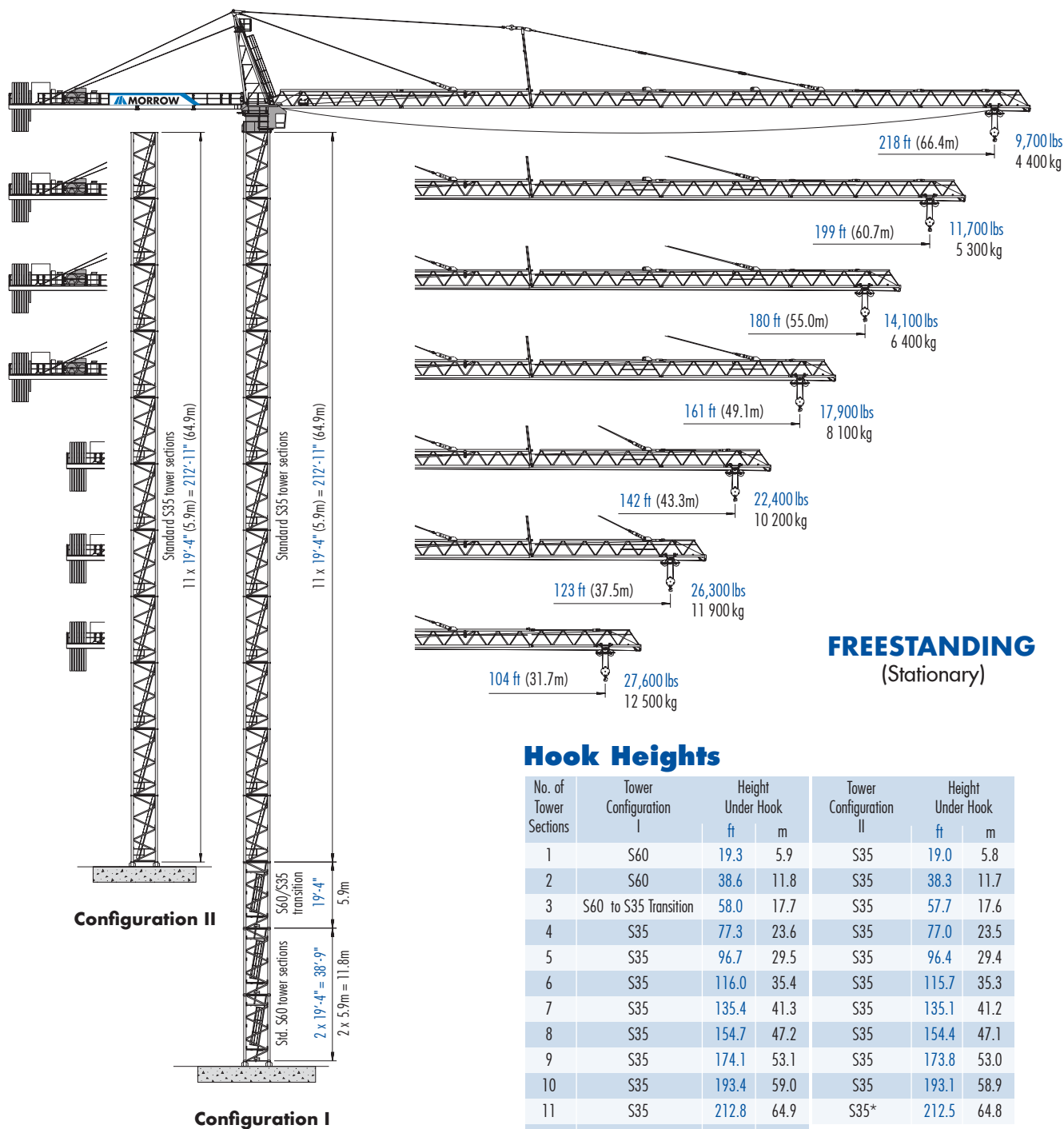


Pecco SK 355-25

TOWER CRANE

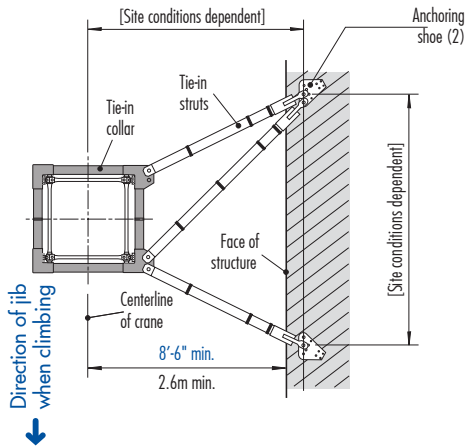


Hook Heights

No. of Tower Sections	Tower Configuration I	Height Under Hook		Tower Configuration II	Height Under Hook	
		ft	m		ft	m
1	S60	19.3	5.9	S35	19.0	5.8
2	S60	38.6	11.8	S35	38.3	11.7
3	S60 to S35 Transition	58.0	17.7	S35	57.7	17.6
4	S35	77.3	23.6	S35	77.0	23.5
5	S35	96.7	29.5	S35	96.4	29.4
6	S35	116.0	35.4	S35	115.7	35.3
7	S35	135.4	41.3	S35	135.1	41.2
8	S35	154.7	47.2	S35	154.4	47.1
9	S35	174.1	53.1	S35	173.8	53.0
10	S35	193.4	59.0	S35	193.1	58.9
11	S35	212.8	64.9	S35*	212.5	64.8
12	S35	232.1	70.8			
13	S35	251.5	76.7			
14	S35*	270.8	82.6			

*Lower top climbing unit to base of crane prior to operating crane at maximum hook height. Other tower combinations are possible, contact Morrow Equipment for additional information.

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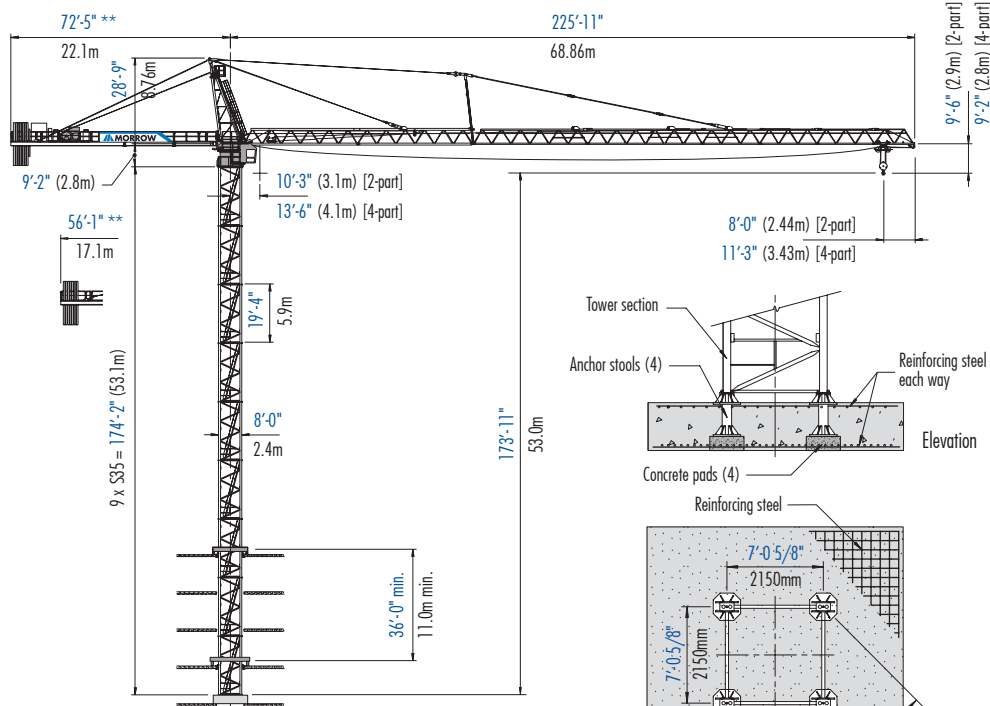


TIE-IN ASSEMBLY
Plan View

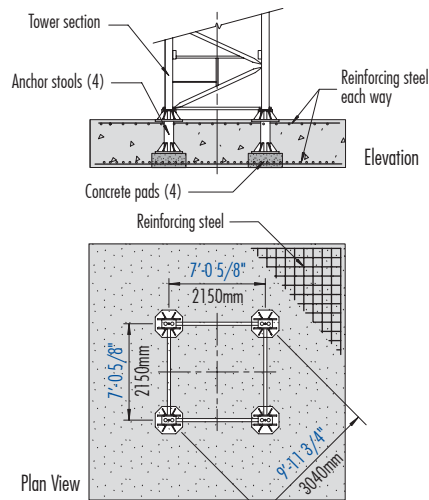
NOTE: If hook height exceeds 330ft (100 m), the number of tower sections above the upper-most tie-in location **MUST** be reduced by 1 tower section.

*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.



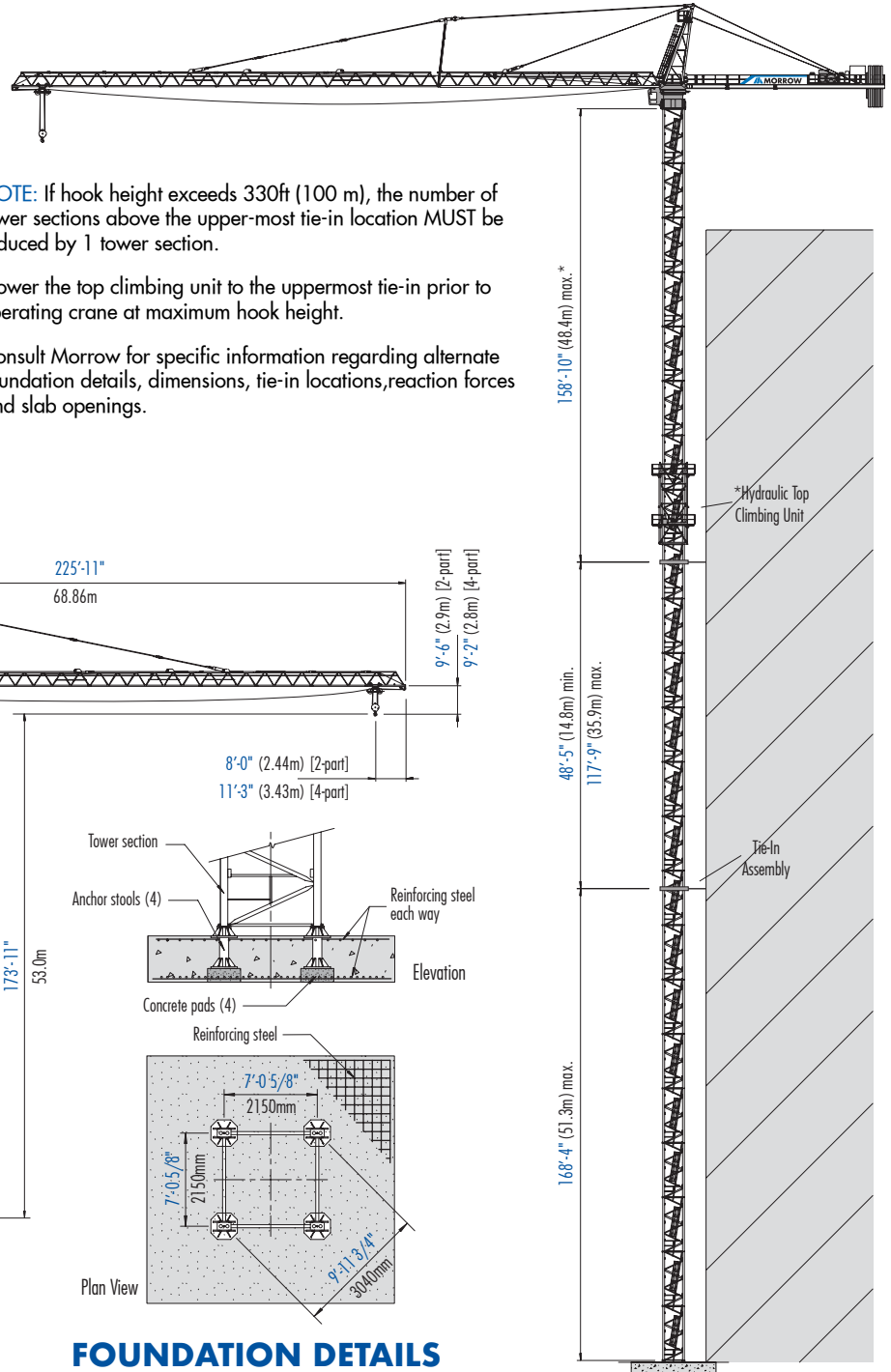
BOTTOM CLIMBING
with S35 Tower Sections
Inside Structure



FOUNDATION DETAILS
Concrete Slab

****NOTE:** Jibs with a hook reach of 161 ft (49.1m) and longer require the 72'-5" (22.1m) counterjib; for jibs with a hook reach of 142 ft (43.3m) or shorter, the 56'-1" (17.1m) counterjib is required.

NOTE: When bottom climbing, the minimum distance between climbing frames is determined by the number of tower sections installed above the uppermost frame and the length of the jib assembly installed.



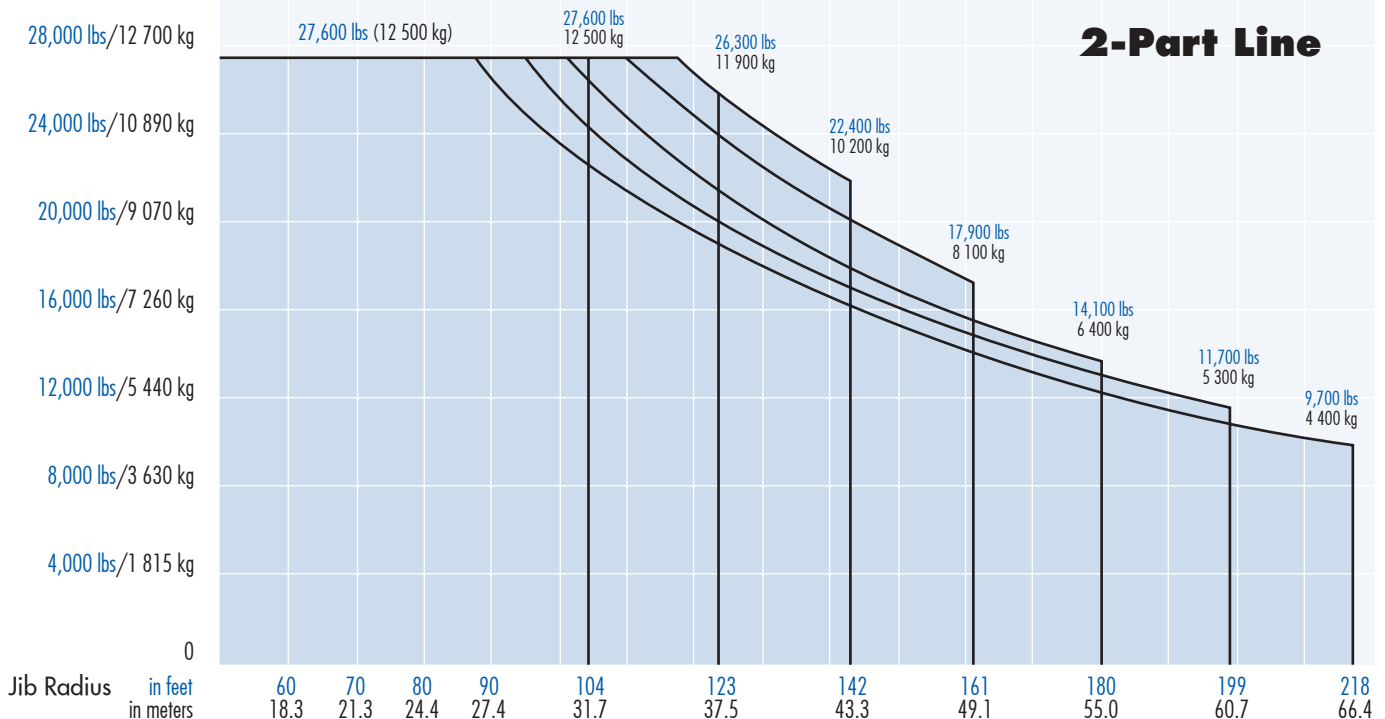
TOP CLIMBING
with S35 Tower Sections
Tied to Structurer

Radius and Capacities

2-Part Line

Hook Radius	Maximum Capacity – Radius	ft	88	95	104	110	120	123	130	142	150	155	161	170	180	190	199	210	218
Radius		m	26.8	29.0	31.7	33.5	36.6	37.5	39.6	43.3	45.7	47.2	49.1	51.8	55.0	57.9	60.7	64.0	66.4
218 ft 66.4m	27,600 lbs – 88 ft 12 500 kg – 26.8m	lbs	27,600	25,800	23,400	22,200	20,100	19,500	18,300	16,400	15,400	14,800	14,200	13,300	12,400	11,600	10,800	10,200	9,700
		kg	12 500	11 700	10 610	10 070	9 120	8 850	8 300	7 440	6 990	6 710	6 440	6 030	5 620	5 260	4 900	4 630	4 400
199 ft 60.7m	27,600 lbs – 95 ft 12 500 kg – 29.0m	lbs	27,600	27,600	24,900	23,600	21,300	20,700	19,300	17,400	16,300	15,700	15,100	14,200	13,200	12,300	11,700		
		kg	12 500	12 500	11 290	10 700	9 660	9 390	8 750	7 890	7 390	7 120	6 850	6 440	5 990	5 580	5 300		
180 ft 55.0m	27,600 lbs – 101 ft 12 500 kg – 30.8m	lbs	27,600	27,600	26,800	25,200	22,800	22,200	20,800	18,700	17,600	16,800	16,200	15,200	14,100				
		kg	12 500	12 500	12 160	11 430	10 340	10 070	9 430	8 480	7 980	7 620	7 350	6 890	6 400				
161 ft 49.1m	27,600 lbs – 110 ft 12 500 kg – 33.5m	lbs	27,600	27,600	27,600	27,600	25,100	24,300	22,800	20,700	19,500	18,800	17,900						
		kg	12 500	12 500	12 500	12 500	11 390	11 020	10 340	9 390	8 850	8 530	8 100						
142 ft 43.3m	27,600 lbs – 118 ft 12 500 kg – 36.0m	lbs	27,600	27,600	27,600	27,600	27,000	26,300	24,800	22,400									
		kg	12 500	12 500	12 500	12 500	12 250	11 930	11 250	10 200									
123 ft 37.5m	27,600 lbs – 118 ft 12 500 kg – 36.0m	lbs	27,600	27,600	27,600	27,600	27,000	26,300											
		kg	12 500	12 500	12 500	12 500	12 250	11 900											
104 ft 31.7m	27,600 lbs – 104 ft 12 500 kg – 31.7m	lbs	27,600	27,600	27,600														
		kg	12 500	12 500	12 500														

Capacity



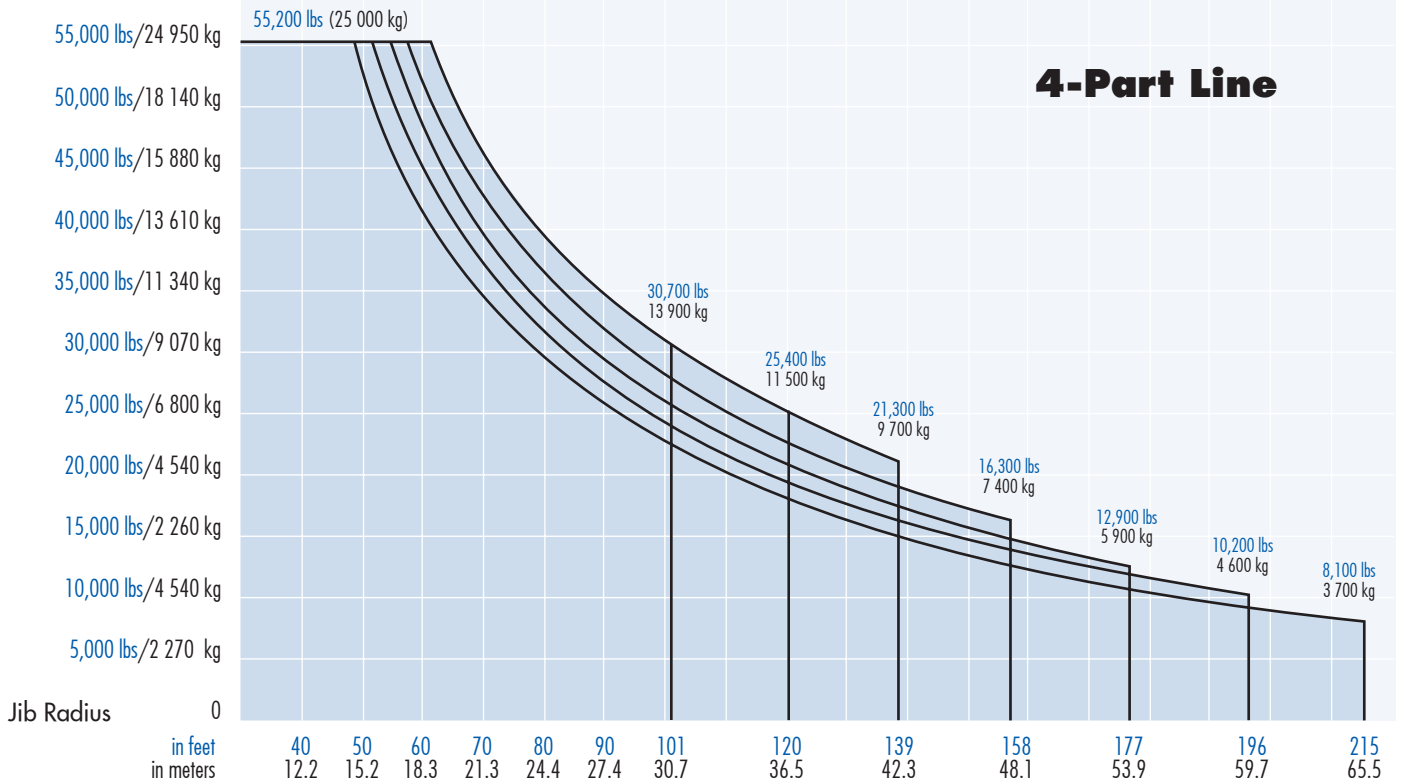
Pecco SK 355-25

Radius and Capacities

4-Part Line

Hook Radius	Maximum Capacity — Radius	ft	49	54	61	80	101	110	120	130	139	150	158	170	177	190	196	200	215
		m	14.9	16.4	18.6	24.4	30.7	33.5	36.5	39.6	42.3	45.7	48.1	51.8	53.9	57.9	59.7	61.0	65.5
215 ft 65.5m	55,200 lbs — 49 ft 25 000 kg — 14.9m	lbs kg	55,200 25 000	48,500 22 000	42,100 19 100	29,900 13 560	22,600 10 250	20,300 9 210	18,300 8 300	16,400 7 440	15,100 6 850	13,600 6 170	12,700 5 760	11,400 5 170	10,800 4 900	9,800 4 450	9,300 4 220	9,100 4 130	8,100 3 700
196 ft 59.7m	55,200 lbs — 51 ft 25 000 kg — 15.5m	lbs kg	55,200 25 000	51,500 23 360	44,600 20 230	31,900 14 470	24,100 10 930	21,700 9 840	19,600 8 890	17,700 8 030	16,300 7 390	14,700 6 670	13,800 6 260	12,400 5 620	11,800 5 350	10,700 4 850	10,200 4 600		
177 ft 53.9m	55,200 lbs — 54 ft 25 000 kg — 16.4m	lbs kg	55,200 25 000	55,200 25 000	47,100 21 370	34,100 15 470	26,100 11 840	23,600 10 700	21,300 9 660	19,300 8 750	17,800 8 070	16,200 7 350	15,100 6 850	13,600 6 170	12,900 5 900				
158 ft 48.1m	55,200 lbs — 57 ft 25 000 kg — 17.4m	lbs kg	55,200 25 000	55,200 25 000	50,700 23 000	36,500 16 560	28,200 12 790	25,600 11 610	23,200 10 520	21,100 9 570	19,400 8 800	17,600 7 980	16,300 7 400						
139 ft 42.3m	55,200 lbs — 61 ft 25 000 kg — 18.6m	lbs kg	55,200 25 000	55,200 25 000	55,200 25 000	39,400 17 870	30,700 13 930	27,800 12 610	25,400 11 520	23,100 10 480	21,300 9 700								
120 ft 36.5m	55,200 lbs — 61 ft 25 000 kg — 18.6m	lbs kg	55,200 25 000	55,200 25 000	55,200 25 000	39,400 17 870	30,700 13 930	27,800 12 610	25,400 11 500										
101 ft 30.7m	55,200 lbs — 61 ft 25 000 kg — 18.6m	lbs kg	55,200 25 000	55,200 25 000	55,200 25 000	39,400 17 870	30,700 13 900												

Capacity



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	2P120 4P60	Gear	Capacity		Line Speed		Capacity		Line Speed	
		1	up to 27,600 lbs	@	110 fpm	12 500 kg		@	34 m/min	
		2	up to 15,600 lbs	@	178 fpm	7 100 kg		@	54 m/min	
		3	up to 9,260 lbs	@	282 fpm	4 200 kg		@	86 m/min	
		4	up to 5,500 lbs	@	440 fpm	2 500 kg		@	134 m/min	
		4-Part Line								
		1	up to 55,200 lbs	@	55 fpm	25 000 kg		@	17 m/min	
		2	up to 31,200 lbs	@	89 fpm	14 200 kg		@	27 m/min	
		3	up to 18,520 lbs	@	141 fpm	8 400 kg		@	43 m/min	
		4	up to 11,000 lbs	@	220 fpm	5 000 kg		@	67 m/min	
Hoist Unit		2-Part Line								
165 hp (122 kW) AC hoist unit 4-speed gearbox Remote-controlled gear shifting Eddy current brake	2P170 4P85	Gear	Capacity		Line Speed		Capacity		Line Speed	
		1	up to 27,600 lbs	@	160 fpm	up to 12 500 kg		@	48 m/min	
		2	up to 17,600 lbs	@	250 fpm	up to 8 000 kg		@	76 m/min	
		3	up to 10,600 lbs	@	400 fpm	up to 4 800 kg		@	120 m/min	
		4	up to 6,200 lbs	@	630 fpm	up to 2 800 kg		@	192 m/min	
		4-Part Line								
		1	up to 55,200 lbs	@	80 fpm	up to 25 000 kg		@	24 m/min	
		2	up to 35,200 lbs	@	125 fpm	up to 16 000 kg		@	38 m/min	
		3	up to 21,200 lbs	@	200 fpm	up to 9 600 kg		@	60 m/min	
		4	up to 12,400 lbs	@	315 fpm	up to 5 600 kg		@	96 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 355-25 Operation Manual for additional information.

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	2 x 12 hp	2 x 9 kW	1.0 rpm	

Power Requirements

Power supply: 3-phase 480 V, 60 Hz; 3-wire plus ground; no Neutral.

480 V phase-phase, 277 V each phase to ground with 120° phase shift between phases.

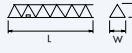
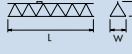
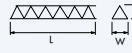
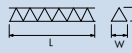
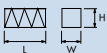
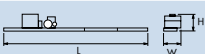
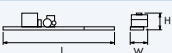
Service size: 250 Amperes (for 105 hp/78 kW AC hoist unit) or 300 Amperes (for 165 hp/122 kW AC hoist unit).

NOTES:

- For electric power provided by an electric utility, do not use open Delta transformers.
- For electric power provided by a generator, the minimum generator size required is 350kW for 105 hp and 500kW for 165 hp. A properly sized generator is critical to the safe operation of the crane.

Specifications are subject to change without prior notice. Drawings shown in this datasheet are for illustrative purposes only. Refer to the SK 355-25 Instruction Manual. For additional information, contact MORROW. All rights are reserved.

Component List

Description	Dimensions L x W x H	Weight	Description	Dimensions L x W x H	Weight
Tower Top 	29'-11" x 7'-3" x 8'-11" 9.12m x 2.2m x 2.72m	8,600 lbs 3 900 kg	Jib Section ① 	38'-9" x 6'-2" x 6'-10" 11.8m x 1.88m x 2.09m	10,000 lbs 4 540 kg
Turntable (Complete) Upper & Lower Part 	10'-7" x 10'-1" x 12'-3" 3.23m x 3.08m x 3.73m	26,455 lbs 12 000 kg	Jib Section ② 	38'-9" x 6'-2" x 6'-3" 11.8m x 1.88m x 1.91m	6,510 lbs 2 950 kg
Turntable Upper Part ¹ 	10'-7" x 7'-5" x 7'-1" 3.23m x 2.25m x 2.16m	12,635 lbs 5 730 kg	Jib Section ③ 	38'-9" x 6'-2" x 6'-1" 11.8m x 1.88m x 1.85m	5,500 lbs 2 495 kg
Turntable Lower Part ² 	8'-8" x 10'-1" x 5'-2" 2.65m x 3.08m x 1.57m	13,820 lbs 6 270 kg	Jib Section ④ 	38'-9" x 6'-2" x 6'-1" 11.8m x 1.88m x 1.85m	4,500 lbs 2 040 kg
Operator's Cab 	5'-7" x 3'-11" x 8'-6" 1.7m x 1.2m x 2.6m	900 lbs 410 kg	Jib Section ⑤ 	20'-1" x 6'-2" x 6'-3" 6.12m x 1.88m x 1.91m	2,500 lbs 1 135 kg
Cab Access Platform 	12'-8" x 5'-7" x 2'-9" 3.85m x 1.7m x 0.85m	1,000 lbs 454 kg	Jib Section ⑥ 	19'-9" x 6'-2" x 6'-1" 6.02m x 1.88m x 1.85m	2,500 lbs 1 135 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'-9" x 6'-2" x 6'-1" 6.02m x 1.88m x 1.85m	2,500 lbs 1 135 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 Section ⑧ 	13'-5" x 6'-2" x 7'-1" 4.1m x 1.88m x 2.15m	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 Assembly Part 1 ⁶ for Jibs 123-ft to 218-ft ①②	76'-9" x 6'-2" x 6'-10" 23.4m x 1.88m x 2.09m	24,120 lbs 10 940 kg
Counterjib A ³ (Complete) 	70'-6" x 9'-6" x 8'-4" 21.5m x 2.9m x 2.55m	23,370 lbs 10 600 kg	Jib Assembly Part 2 ⁷ 218-ft (66.4m) ③④⑤⑥⑦⑧	145'-8" x 6'-2" x 6'-3" 44.4m x 1.88m x 1.91m	20,750 lbs 9 415 kg
Counterjib B ³ (Complete) 	52'-6" x 9'-6" x 8'-4" 16.0m x 2.9m x 2.55m	20,615 lbs 9 350 kg	Jib Assembly Part 2 ⁷ 199-ft (60.7m) ③④⑥⑦⑧	126'-9" x 6'-2" x 6'-1" 38.6m x 1.88m x 1.85m	17,850 lbs 8 100 kg
Counterjib Section #1 (Inner) 	14'-9" x 6'-5" x 1'-10" 4.5m x 1.95m x 0.55m	2,315 lbs 1 050 kg	Jib Assembly Part 2 ⁷ 180-ft (55.0m) ③④⑥⑧	107'-10" x 6'-2" x 6'-1" 32.86m x 1.88m x 1.85m	15,400 lbs 6 990 kg
Counterjib Section #2 (Intermediate) 	18'-1" x 6'-5" x 1'-10" 5.5m x 1.95m x 0.55m	2,755 lbs 1 250 kg	Jib Assembly Part 2 ⁷ 161-ft (49.1m) ③④⑧	88'-10" x 6'-2" x 6'-1" 27.1m x 1.88m x 1.85m	12,400 lbs 5 625 kg
Counterjib Section #3 ⁴ (Outer) 	37'-9" x 9'-6" x 8'-4" 11.5m x 2.9m x 2.55m	18,300 lbs 8 300 kg	Jib Assembly Part 2 ⁷ 142-ft (43.3m) ③⑥⑧	69'-11" x 6'-2" x 6'-1" 21.3m x 1.88m x 1.85m	10,400 lbs 4 720 kg
Hoist Unit with Frame ⁵ (105 hp/78 kW) 	9'-6" x 6'-3" x 3'-7" 2.9m x 1.9m x 1.1m	7,190 lbs 3 260 kg	Jib Assembly Part 2 ⁷ 123-ft (37.5m) ③⑧	50'-11" x 6'-2" x 6'-1" 15.53m x 1.88m x 1.85m	7,600 lbs 3 450 kg
Hoist Unit with Frame ⁵ (165 hp/122 kW) 	9'-6" x 6'-3" x 3'-7" 2.9m x 1.9m x 1.1m	10,550 lbs 4 785 kg	Jib Assembly (Complete) ⁸ 104-ft (31.7m) ①②⑥⑧	107'-10" x 6'-4" x 7'-1" 32.86m x 1.92m x 2.15m	26,920 lbs 12 210 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	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 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'-11" x 1'-5" x 7'-5" 0.74m x 0.33m x 1.79m	1,100 lbs 500 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 panels and handrails. Does not include wire rope. Counterjib A (Counterjib Sections #1, #2 & #3) is required for jibs 161 ft (49.1m) and longer; Counterjib B (Counterjib Sections #1 & #3) is required for jibs 142 ft (43.3m) and shorter. If alternate 165 hp (122 kW) hoist unit is installed, weight of Counterjib A (compl.) or Counterjib B (compl.) increases by 3,360 lbs (1 525 kg).

⁴ Counterjib Section #3 includes 105 hp (78 kW) hoist unit with frame, electrical panels and handrails. 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 2,730 lbs (1 240 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 2,730 lbs (1 240 kg) for additional trolley (inner) and hook block.