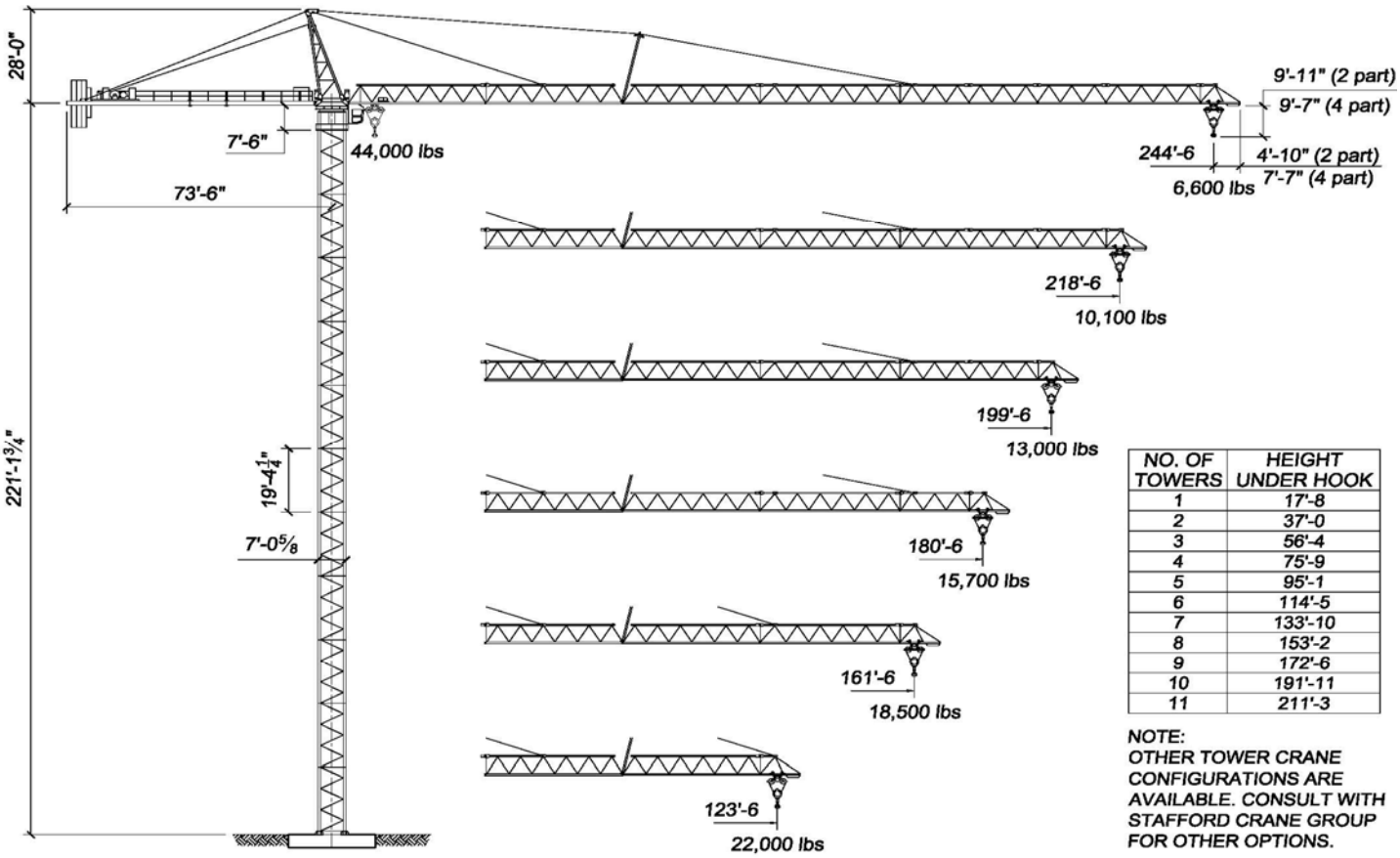
Stafford Crane Group

PEINER SK400-05 TOWER CRANE

Capacity and Loading Data Sheet



NO. OF TOWERS	HEIGHT UNDER HOOK
1	17'-8
2	37'-0
3	56'-4
4	75'-9
5	95'-1
6	114'-5
7	133'-10
8	153'-2
9	172'-6
10	191'-11
11	211'-3

NOTE:
OTHER TOWER CRANE CONFIGURATIONS ARE AVAILABLE. CONSULT WITH STAFFORD CRANE GROUP FOR OTHER OPTIONS.

2 - PART LINE (MAX LOAD 22,000 lbs)

Radius & Capacity	9.83'	88.0'	100.0'	112.5'	120.0'	123.5'	126.0'	134.0'	139.0'	145.0'	150.0'	161.5'	170.0'	175.0'	180.5'	190.0'	199.5'	210.0'	218.5'	230.0'	238.0'	244.5'
L6 - 244'-6	22,000	22,000	19,200	16,700	15,500	15,000	14,700	13,700	13,100	12,500	12,000	11,000	10,400	9,900	9,500	9,000	8,400	7,900	7,500	7,000	6,800	6,600
L5 - 218'-6	22,000	22,000	22,000	22,000	20,400	19,700	19,300	18,000	17,200	16,400	15,800	14,500	13,600	13,100	12,700	12,000	11,300	10,600	10,100			
L4 - 199'-6	22,000	22,000	22,000	22,000	22,000	22,000	22,000	20,500	19,700	18,800	18,100	16,600	15,600	15,100	14,600	13,700	13,000					
L3 - 180'-6	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	21,000	20,000	19,200	17,700	16,700	16,200	15,700							
L2 - 161'-6	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	20,900	20,100	18,500										
L1 - 123'-6	22,000	22,000	22,000	22,000	22,000	22,000																

4 - PART LINE (MAX LOAD 44,000 lbs)

Radius & Capacity	45.5'	57.0'	65.0'	69.0'	71.5'	74.5'	90.0'	100.0'	110.0'	120.8'	130.0'	140.0'	150.0'	158.8'	170.0'	177.8'	190.0'	196.8'	210.0'	215.8'	225.0'	241.8'
L6 - 241'-9	44,000	33,500	28,700	26,800	25,600	24,300	19,400	16,900	15,000	13,200	12,000	10,900	9,800	9,100	8,300	7,700	6,900	6,600	5,900	5,700	5,300	4,700
L5 - 215'-9	44,000	44,000	37,700	35,300	33,800	32,300	25,800	22,800	20,400	18,100	16,500	15,000	13,700	12,800	11,700	11,000	10,100	9,500	8,700	8,400		
L4 - 196'-9	44,000	44,000	44,000	41,000	39,300	37,500	30,200	26,700	23,700	21,300	19,400	17,700	16,300	15,200	13,800	13,100	12,000	11,500				
L3 - 177'-9	44,000	44,000	44,000	44,000	42,100	40,000	32,200	28,500	25,500	22,800	20,800	19,000	17,400	16,300	14,900	14,100						
L2 - 158'-9	44,000	44,000	44,000	44,000	44,000	41,700	33,300	29,500	26,500	23,700	21,800	19,900	18,200	17,000								
L1 - 120'-9	44,000	44,000	44,000	44,000	44,000	44,000	35,000	31,000	27,800	24,900												

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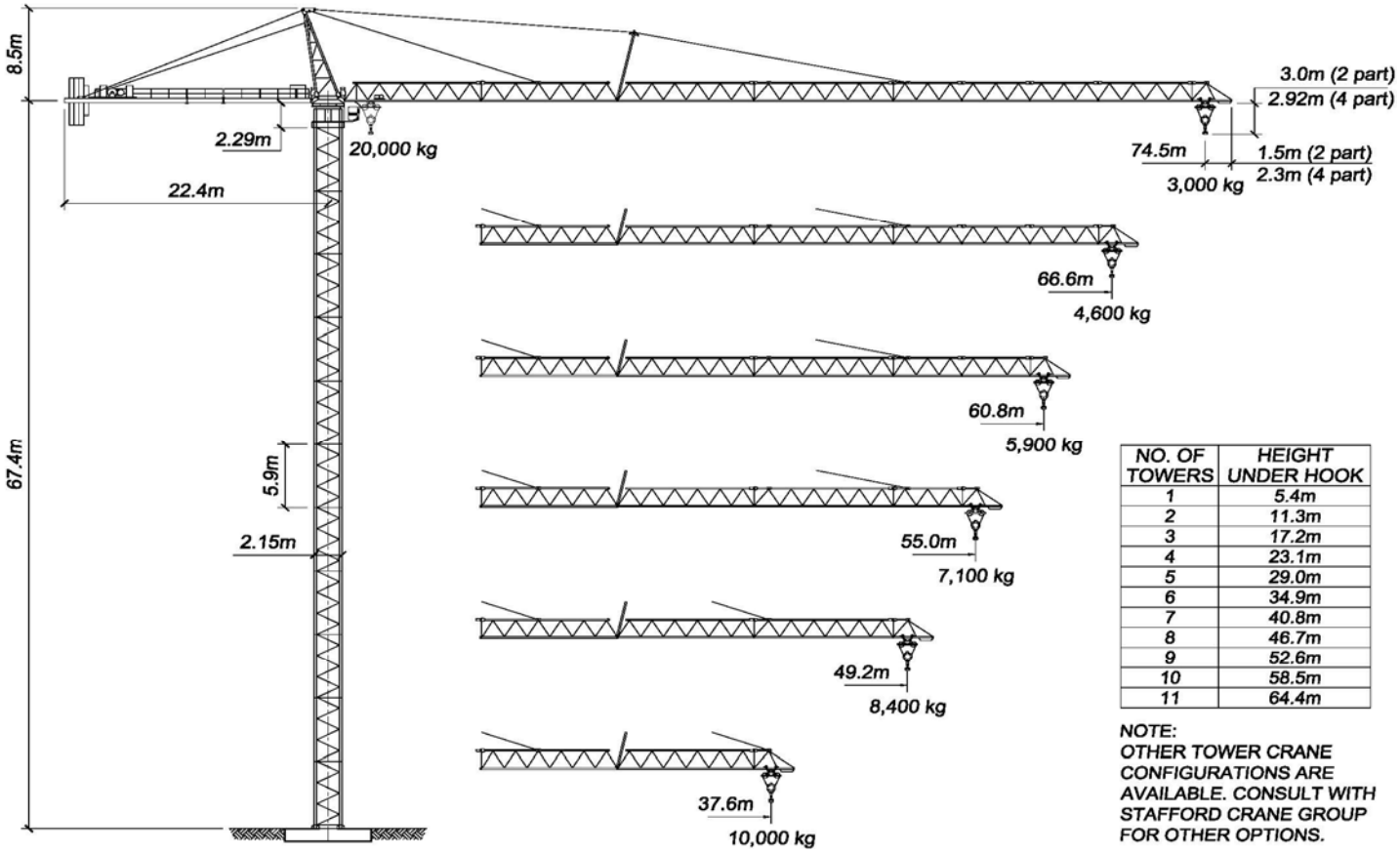

NO. OF TOWERS	HEIGHT UNDER HOOK
1	5.4m
2	11.3m
3	17.2m
4	23.1m
5	29.0m
6	34.9m
7	40.8m
8	46.7m
9	52.6m
10	58.5m
11	64.4m

NOTE:
OTHER TOWER CRANE CONFIGURATIONS ARE AVAILABLE. CONSULT WITH STAFFORD CRANE GROUP FOR OTHER OPTIONS.

2 - PART LINE (MAX LOAD 10,000 kg)

Radius & Capacity	3.0m	26.8m	30.5m	34.3m	36.6m	37.6m	38.4m	40.8m	42.4m	44.2m	45.7m	49.2m	51.8m	53.3m	55.0m	57.9m	60.8m	64.0m	66.6m	70.1m	72.5m	74.5m
L6 - 74.5m	10,000	10,000	8,700	7,600	7,000	6,800	6,700	6,200	5,900	5,600	5,400	5,000	4,700	4,500	4,300	4,100	3,800	3,600	3,400	3,200	3,100	3,000
L5 - 66.6m	10,000	10,000	10,000	10,000	9,300	8,900	8,800	8,200	7,800	7,400	7,200	6,600	6,200	5,900	5,800	5,400	5,100	4,800	4,600			
L4 - 60.8m	10,000	10,000	10,000	10,000	10,000	10,000	10,000	9,300	8,900	8,500	8,200	7,500	7,100	6,800	6,600	6,200	5,900					
L3 - 55.0m	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	9,500	9,000	8,700	8,000	7,600	7,300	7,100							
L2 - 49.2m	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	9,500	9,100	8,400										
L1 - 37.6m	10,000	10,000	10,000	10,000	10,000	10,000																

4 - PART LINE (MAX LOAD 20,000 kg)

Radius & Capacity	13.9m	17.4m	19.8m	21.0m	21.8m	22.7m	27.4m	30.5m	33.5m	36.8m	39.6m	42.7m	45.7m	48.4m	51.8m	54.2m	57.9m	60.0m	64.0m	65.8m	68.6m	73.7m
L6 - 73.7m	20,000	15,200	13,000	12,200	11,600	11,000	8,800	7,700	6,800	6,000	5,400	4,900	4,400	4,100	3,800	3,500	3,100	3,000	2,700	2,600	2,400	2,100
L5 - 65.8m	20,000	20,000	17,100	16,000	15,300	14,700	11,700	10,300	9,300	8,200	7,500	6,800	6,200	5,800	5,300	5,000	4,600	4,300	4,000	3,800		
L4 - 60.0m	20,000	20,000	20,000	18,600	17,800	17,000	13,700	12,100	10,800	9,700	8,800	8,000	7,400	6,900	6,300	5,900	5,400	5,200				
L3 - 54.2m	20,000	20,000	20,000	20,000	19,100	18,100	14,600	12,900	11,600	10,300	9,400	8,600	7,900	7,400	6,800	6,400						
L2 - 48.4m	20,000	20,000	20,000	20,000	20,000	18,900	15,100	13,400	12,000	10,800	9,900	9,000	8,300	7,700								
L1 - 36.8m	20,000	20,000	20,000	20,000	20,000	20,000	15,900	14,100	12,600	11,300												

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Capacity and Loading Data Sheet

SK400 LOADS & SPEEDS

105 HP (78kW) AC Hoist Unit		**2 - Part Line**		**4 - Part Line**	
	GEAR	MAXIMUM LOAD	MAXIMUM HOOK SPEED	MAXIMUM LOAD	MAXIMUM HOOK SPEED
4 speed gear box Remote controlled gear shifting Eddy current brake	1	22,000 lbs 10,000 kg	110 ft/min 34 m/min	44,000 lbs 20,000 kg	55 ft/min 17 m/min
	2	15,700 lbs 7,100 kg	178 ft/min 54 m/min	31,400 lbs 14,200 kg	89 ft/min 27 m/min
	3	9,300 lbs 4,200 kg	280 ft/min 86 m/min	18,600 lbs 8,400 kg	140 ft/min 43 m/min
	4	5,500 lbs 2,500 kg	440 ft/min 134 m/min	11,100 lbs 5,000 kg	220 ft/min 67 m/min

165 HP (122kW) AC Hoist Unit		**2 - Part Line**		**4 - Part Line**	
	GEAR	MAXIMUM LOAD	MAXIMUM HOOK SPEED	MAXIMUM LOAD	MAXIMUM HOOK SPEED
4 speed gear box Remote controlled gear shifting Eddy current brake	1	22,000 lbs 10,000 kg	160 ft/min 48 m/min	44,000 lbs 20,000 kg	80 ft/min 24 m/min
	2	17,600 lbs 8,100 kg	250 ft/min 76 m/min	35,200 lbs 16,000 kg	125 ft/min 38 m/min
	3	10,600 lbs 4,800 kg	394 ft/min 120 m/min	21,200 lbs 9,600 kg	197 ft/min 60 m/min
	4	6,200 lbs 2,800 kg	630 ft/min 192 m/min	12,400 lbs 5,600 kg	315 ft/min 96 m/min

NON - HOISTING FUNCTIONS

MOVEMENT	**SPEED**	**POWER**
SLEWING	Max. 1 rpm	(2) 12 HP (9kW) Motors Jibs L1-L2 (3) 12 HP (9kW) Motors Jibs L3-L6
TROLLY (2 part line) TROLLY (4 part line)	320 ft/min (96 m/min) 160 ft/min (48 m/min)	(1) 12 HP (9kW) Motor
CRANE TRAVEL	Max. 100 f/min (30m/min)	(2) 16 HP (12kW) Motors
Power required for all motors is 480 Volt, 60 Hz, 3-Phase. 250 amps with 105 hp unit, 300 amps with 165 hp unit		