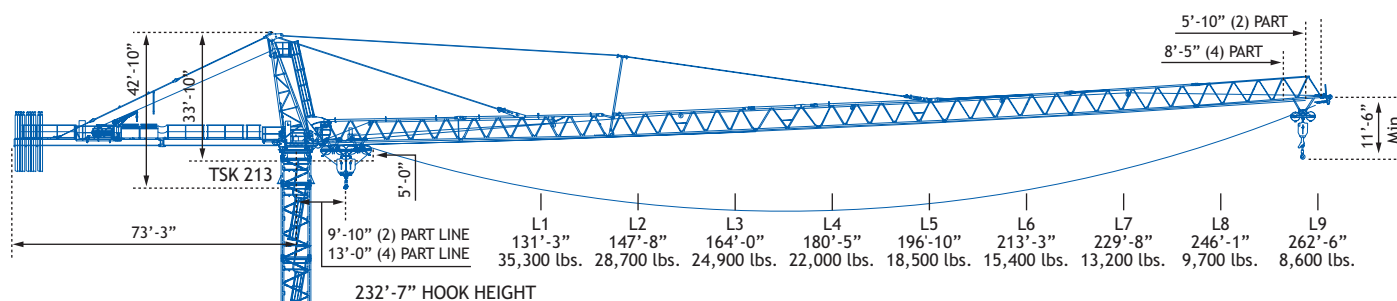




Free-Standing Hook Heights

STANDARD FOUNDATION	
Tower Configuration	Hook Height (ft.)
12 x TS 213 + TSK 213*	232'-7"
12 x TS 213	226'-1"
11 x TS 213 + TSK 213*	213'-3"
11 x TS 213	206'-8"
10 x TS 213 + TSK 213*	193'-11"
10 x TS 213	187'-4"
9 x TS 213 + TSK 213	174'-6"
9 x TS 213	168'-0"
8 x TS 213 + TSK 213	155'-2"
8 x TS 213	148'-7"
7 x TS 213 + TSK 213	135'-10"
7 x TS 213	129'-3"
6 x TS 213 + TSK 213	116'-5"
6 x TS 213	109'-11"
5 x TS 213 + TSK 213	97'-1"
5 x TS 213	90'-6"
4 x TS 213 + TSK 213	77'-9"
4 x TS 213	71'-2"
3 x TS 213 + TSK 213	58'-5"
3 x TS 213	51'-10"
2 x TS 213 + TSK 213	39'-0"
2 x TS 213	32'-6"
1 x TS 213 + TSK 213	19'-8"
1 x TS 213	13'-1"

BASE CROSS FOUNDATION	
Tower Configuration	Hook Height (ft.)
N/A	N/A
N/A	N/A
11 x TS 213 + TSV 213 + TSK 213*	248'-8"
11 x TS 213 + TSV 213	242'-2"
10 x TS 213 + TSV 213 + TSK 213*	229'-4"
10 x TS 213 + TSV 213	222'-9"
9 x TS 213 + TSV 213 + TSK 213*	210'-0"
9 x TS 213 + TSV 213	203'-5"
8 x TS 213 + TSV 213 + TSK 213*	190'-7"
8 x TS 213 + TSV 213	184'-1"
7 x TS 213 + TSV 213 + TSK 213	171'-3"
7 x TS 213 + TSV 213	164'-8"
6 x TS 213 + TSV 213 + TSK 213	151'-11"
6 x TS 213 + TSV 213	145'-4"
5 x TS 213 + TSV 213 + TSK 213	132'-7"
5 x TS 213 + TSV 213	126'-0"
4 x TS 213 + TSV 213 + TSK 213	113'-2"
4 x TS 213 + TSV 213	106'-8"
3 x TS 213 + TSV 213 + TSK 213	93'-10"
3 x TS 213 + TSV 213	87'-3"
2 x TS 213 + TSV 213 + TSK 213	74'-6"
2 x TS 213 + TSV 213	67'-11"
1 x TS 213 + TSV 213 + TSK 213	55'-1"
1 x TS 213 + TSV 213	48'-7"

TSK 213 section MUST be installed for any top climbing applications.

*Lower climbing unit if utilized.

Tower configurations based on 94 mph wind speeds, out of service and 45 mph in service.

Additional tower configuration and rail traveling information available upon request.

2-Part Line

Hook Radius (ft.) 9'-10" (min.)	AVAILABLE JIB LENGTHS IN FEET								
	L9	L8	L7	L6	L5	L4	L3	L2	L1
	262'-6"	246'-1"	229'-8"	213'-3"	196'-10"	180'-5"	164'-1"	147'-8"	131'-3"
39'-4"	35300	35300	35300	35300	35300	35300	35300	35300	35300
49'-2"	35300	35300	35300	35300	35300	35300	35300	35300	35300
59'-1"	35300	35300	35300	35300	35300	35300	35300	35300	35300
68'-11"	35300	35300	35300	35300	35300	35300	35300	35300	35300
75'-6"	35300	35300	35300	35300	35300	35300	35300	35300	35300
82'-0"	35300	35300	35300	35300	35300	35300	35300	35300	35300
91'-10"	32800	33400	35300	35300	35300	35300	35300	35300	35300
98'-5"	30200	30900	35300	35300	35300	35300	35300	35300	35300
111'-7"	26100	26700	31900	33600	35300	35300	35300	35300	35300
114'-10"	25200	25800	30900	32500	35000	35300	35300	35300	35300
121'-5"	23600	24100	29000	30500	32800	35000	35300	35300	35300
127'-11"	22200	22700	27200	28700	30900	33000	33200	33800	35300
131'-3"	21500	22000	26400	27800	30000	32000	32300	32800	35300
141'-1"	19700	20100	24300	25600	27600	29500	29700	30200	
144'-4"	19100	19600	23600	24900	26900	28700	28900	29400	
147'-8"	18600	19000	23000	24300	26200	28000	28200	28700	
154'-2"	17600	18000	21800	23000	24900	26600	26800		
160'-9"	16700	17100	20700	21900	23700	25300	25500		
164'-0"	16300	16700	20300	21400	23100	24700	24900		
173'-11"	15100	15500	18800	19900	21500	23000			
177'-2"	14800	15100	18400	19500	21100	22500			
180'-5"	14400	14800	18000	19000	20600	22000			
187'-0"	13800	14100	17200	18200	19700				
193'-7"	13200	13500	16500	17400	18900				
196'-10"	12900	13200	16100	17100	18500				
203'-5"	12300	12600	15500	16400					
210'-0"	11800	12100	14900	15700					
213'-3"	11600	11800	14600	15400					
223'-1"	10900	11100	13700						
226'-5"	10600	10900	13500						
229'-8"	10400	10700	13200						
236'-3"	10000	10300							
242'-9"	9600	9900							
246'-1"	9500	9700							
252'-7"	9100								
259'-2"	8800								
262'-6"	8600								

4-Part Line

Hook Radius (ft.) 13'-0" (min.)	AVAILABLE JIB LENGTHS IN FEET								
	L9	L8	L7	L6	L5	L4	L3	L2	L1
262'-6"	246'-1"	229'-8"	213'-3"	196'-10"	180'-5"	164'-1"	147'-8"	131'-3"	
39'-4"	70500	70500	70500	70500	70500	70500	70500	70500	70500
49'-2"	63700	66000	70500	70500	70500	70500	70500	70500	70500
59'-1"	50900	52800	61900	66600	70500	70500	70500	70500	70500
68'-11"	42000	43600	51300	55300	59900	63400	64600	66600	68000
75'-6"	37400	38900	45900	49500	53700	56900	58000	59800	61100
82'-0"	33600	35000	41400	44700	48500	51400	52500	54100	55300
91'-10"	29100	30300	36000	38900	42300	44900	45800	47300	48300
98'-5"	26500	27700	33000	35700	38900	41300	42200	43500	44500
111'-7"	22400	23400	28100	30500	33300	35400	36100	37300	38200
114'-10"	21500	22500	27000	29400	32100	34100	34900	36000	36900
121'-5"	19900	20800	25100	27300	29900	31800	32500	33600	34400
127'-11"	18500	19300	23400	25500	27900	29700	30400	31400	32200
131'-3"	17800	18600	22600	24600	27000	28800	29400	30400	
141'-1"	16000	16800	20400	22300	24500	26200	26800	27700	
144'-4"	15400	16200	19800	21600	23800	25400	26000	26900	
147'-8"	14900	15700	19200	21000	23100	24700	25200		
154'-2"	13900	14600	18000	19700	21700	23300	23800		
160'-9"	13000	13700	16900	18600	20500	22000	22500		
164'-0"	12600	13300	16400	18100	19900	21400			
173'-11"	11400	12100	15000	16600	18300	19700			
177'-2"	11100	11700	14600	16100	17900	19200			
180'-5"	10700	11300	14200	15700	17400				
187'-0"	10100	10700	13400	14800	16500				
193'-7"	9500	10000	12700	14100	15700				
196'-10"	9200	9700	12300	13700					
203'-5"	8600	9200	11700	13000					
210'-0"	8100	8600	11100	12300					
213'-3"	7900	8400	10800						
223'-1"	7200	7600	10000						
226'-5"	6900	7400	9700						
229'-8"	6700	7200							
236'-3"	6300	6800							
242'-9"	6000	6400							
246'-1"	5800								
252'-7"	5400								
259'-2"	5100								

Speeds

TROLLEY FU 9-320/4		0 to 260 fpm				1 x 12.2 HP / 1 x 9.0 kW
TRAVEL SR 10-190/4		0 to 120 fpm				4 x 12.2 HP / 4 x 9.0 kW
SWING KWB 120/4		0 to 1 rpm				L1 - L4: 2 x 11.4 HP / 2 x 8.4 kW L5 - L9: 3 x 11.4 HP / 3 x 8.4 kW
STANDARD HOIST UNIT SR WB 102-160/4F		 fpm lbs		 fpm lbs		Max. Hook Heights ft. 
		492	7700	246	15,400	720 (5 layers)
		315	13,200	158	26,400	Total motor output approx. (without travel) 215 HP Connected Power 240 kVA
		196	22,000	98	44,000	
		125	35,300	63	70,600	

Measured under nominal load at the turntable of the tower crane. Speeds and power calculated using 480 VAC @ 60 Hertz.

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: Fused disconnect, 300 Amperes.

Notes:

1. For electric power provided by an electric utility, do not use open Delta transformers.
2. For electric power provided by a generator, the minimum generator size required is 350 kW.

A properly sized generator is critical to the safe operation of the crane.

Counterweight

JIB LENGTH	L1	L2	L3	L4	L5	L6	L7	L8	L9
WEIGHT (LBS)	50,800	54,400	57,600	61,200	68,000	64,400	68,000	64,400	68,000
SMALL COUNTERWEIGHT	1	0	1	0	0	1	0	1	0
LARGE COUNTERWEIGHT	7	8	8	9	10	9	10	9	10

Small counterweight = 3200 lbs. Large counterweight = 6800 lbs. Allowable deviation +5%/-0%

Information contained in this specification sheet is of a general nature. Operator's manual should be consulted and adhered to.

Dimensions and Weights

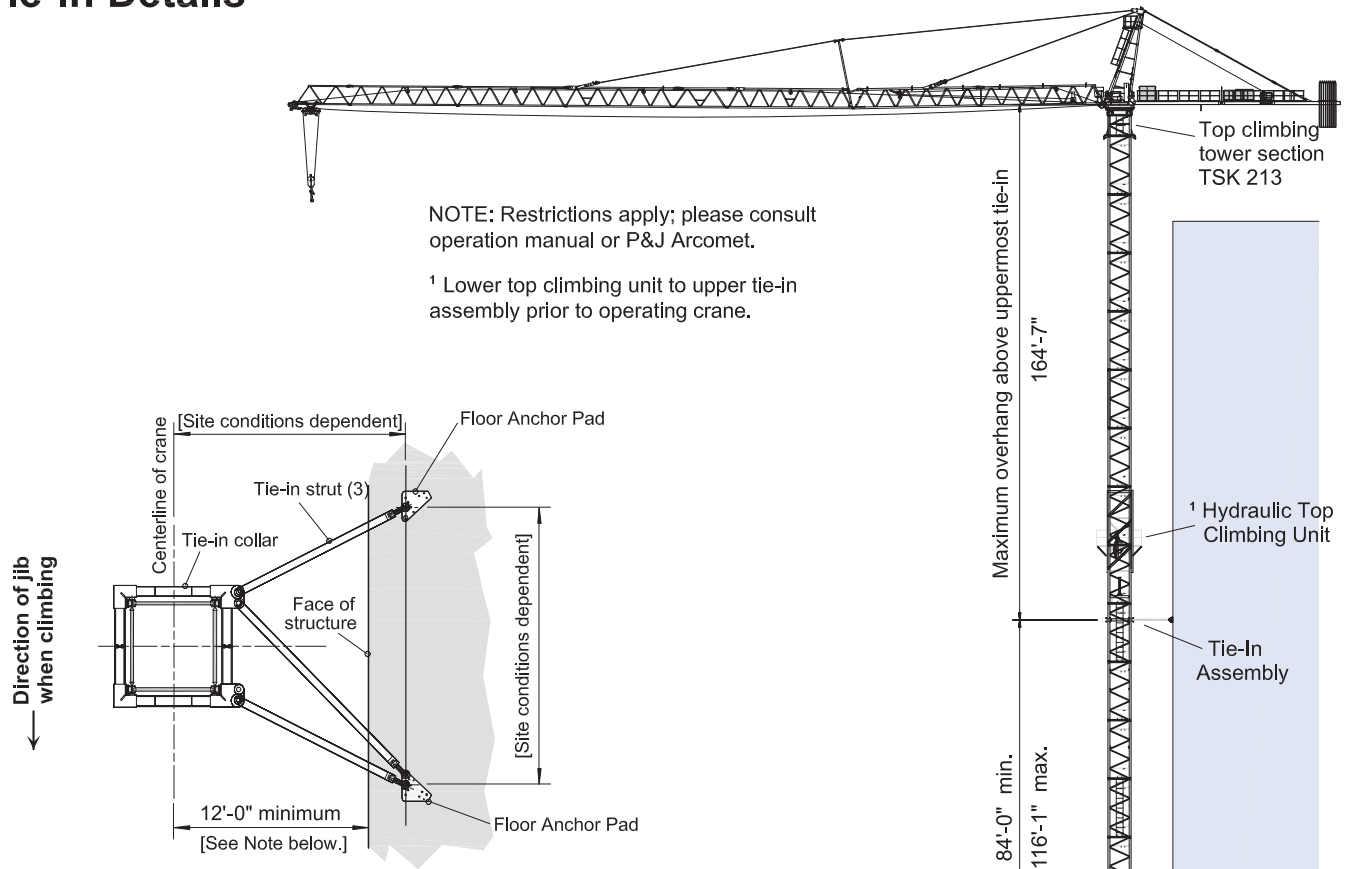
ITEM	ILLUSTRATION	LENGTH	WIDTH	HEIGHT	WEIGHT lbs.	ASSEMBLED COMPONENTS
TS 213 Anchor Stools		5'-7"	2'-2"	2'-2"	1,310	
U1021 Base Cross		44'-0"	9'-6"	3'-9"	26,760	102WB Counterjib Complete (including Wire rope) 70' - 32,190 lbs.
TSV 213.1 Tower Section for U1021 Cross		39'-4"	10'-4"	10'-4"	31,090	
TS 213 Tower Section		19'-6"	8'-0"	8'-0"	9,950	Inner jib with one trolley, load block and suspension bars 79' - 20,900 lbs.
TSK 213 Tower Section		8'-0"	9'-10"	6'-8"	6,610	
GV 213 Tie-in Collar		11'-2"	10'-9"	1'-7"	6,230	Outer jib for L1 131'-3" hook radius with suspension bars 57' - 10,600 lbs.
SE 213/212 (w/ items inside)		29'-3"	11'-6"	11'-6"	25,850	
Turntable complete		11'-9"	7'-1"	7'-5"	24,100	Outer jib for L2 147'-8" hook radius with suspension bars 74' - 13,100 lbs.
Turntable-Lower Part w/ Slewing Ring & Bolts		11'-9"	7'-1"	2'-6"	14,100	
Turntable-Upper Part		11'-9"	7'-1"	4'-11"	9,900	Outer jib for L3 164' hook radius with suspension bars 90' - 16,000 lbs.
Operator Cabin, catwalk and electrical panel		12'-0"	7'-3"	8'-1"	3,750	
Front portion of Counter jib		31'-10"	6'-8"	5'-8"	6,040	Outer jib for L4 180'-5" hook radius with suspension bars 107' - 17,300 lbs.
Rear portion of Counter jib		38'-10"	7'-5"	5'-11"	7,500	
102WB Machinery Deck w/o wire rope		9'-2"	7'-3"	4'-11"	11,680	Outer jib for L5 196'-10" hook radius with suspension bars 123' - 20,300 lbs.
Counterweight (small)		5'-11"	0'-8"	10'-4"	3,200	
Counterweight (large)		5'-11"	0'-8"	15'-4"	6,800	Outer jib for L6 213'-3" hook radius with suspension bars 139' - 20,100 lbs.
Tower Top w/ ladder and platform		29'-4"	7'-2"	6'-6"	9,920	
Jib Section No. 1		39'-0"	6'-6"	6'-11"	7,490	Outer jib for L7 229'-8" hook radius with suspension bars 158' - 22,900 lbs.
Jib Section No. 2 w/ Trolley machinery		40'-6"	6'-6"	7'-3"	8,860	
Outer Jib Support "A" Frame		21'-7"	5'-8"	4'-8"	570	Outer jib for L8 246'-1" hook radius with suspension bars 172' - 21,800 lbs.
Jib Section No. 3		38'-10"	6'-6"	7'-7"	5,420	
Jib Section No. 4		18'-8"	6'-6"	6'-10"	5,360	Outer jib for L9 262'-6" hook radius with suspension bars 189' - 24,600 lbs.
Jib Section No. 5		35'-0"	6'-6"	6'-11"	5,200	
Jib Section No. 6		35'-5"	6'-6"	6'-4"	4,280	
Jib Section No. 7		33'-6"	6'-6"	6'-3"	2,760	
Jib Section No. 8		33'-5"	6'-6"	6'-2"	1,700	
Jib Tip Section		4'-6"	6'-8"	2'-11"	660	
Single (outer) Trolley for 2-Part Line		6'-7"	7'-4"	4'-7"	1,380	
Single (Outer) Load Block for 2-Part Line		2'-5"	0'-6"	10'-2"	1,790	
Inner Trolley for 4-Part Line		6'-7"	7'-4"	4'-7"	1,230	
Inner Hoist Block for 4-Part Line		2'-8"	0'-6"	5'-1"	1,410	
Power Cable		3'-4"	3'-4"	3'-6"	600	

*Any printed weights should be confirmed in the field and adjustments made to lifting equipment if required. Images within this specification sheet are not to scale.

*The operators manual should be used for crane assembly/disassembly. Sizes and weights shown herein are for general illustration and are approximate in scope.

Consult operating manual for erection instructions.

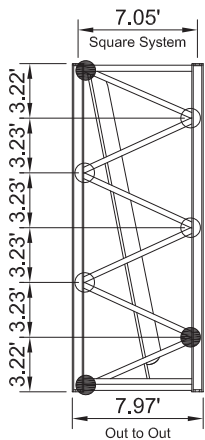
Tie-in Details



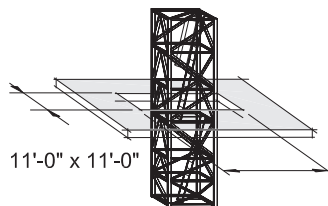
TIE-IN ASSEMBLY with TS 213 Tower Plan View

NOTE: The tie-in assembly shown is an example of a typical installation when using TS 213 tower. Please note, however, that factors determining the installation of tie-in assemblies may vary due to project specific requirements. Contact P&J Arcomet for information.

Consult SK 575-32 Operation Manual before erecting, operating, servicing or dismantling crane.



NOTE: Recommended slab opening for erection and dismantling. For other factors including sway, contact P&J Arcomet.



**with TS 213 Tower plus
TSK 213 climbing section**

TYPICAL TS 213 TOWER SECTION
ONLY (ELEVATIONS)

●TIE-IN AT INTERIOR TOWER PANEL POINTS ONLY.
●DO NOT TIE-IN AT TOWER CONNECTIONS.

SLAB OPENING
Recommended for TS213