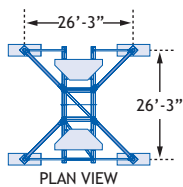
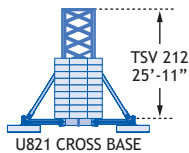


## Free-Standing Hook Heights

STANDARD FOUNDATION	
Tower Configuration	Hook Height (ft.)
12 x TS 212 + TSK 212 + TSU 212/213 + TS 213*	273'-0"
12 x TS 212 + TSU 212/213 + TS 213	266'-5"
12 x TS 212 + TSK 212 + TSU 212/213*	254'-8"
12 x TS 212 + TSU 212/213	247'-1"
11 x TS 212 + TSK 212*	234'-3"
12 x TS 212	227'-9"
11 x TS 212 + TSK 212*	214'-7"
11 x TS 212	208'-0"
10 x TS 212 + TSK 212*	195'-3"
10 x TS 212	188'-8"
9 x TS 212 + TSK 212	175'-11"
9 x TS 212	169'-4"
8 x TS 212 + TSK 212	156'-6"
8 x TS 212	150'-0"
7 x TS 212 + TSK 212	137'-2"
7 x TS 212	130'-7"
6 x TS 212 + TSK 212	117'-10"
6 x TS 212	111'-3"
5 x TS 212 + TSK 212	98'-5"
5 x TS 212	91'-11"
4 x TS 212 + TSK 212	79'-1"
4 x TS 212	72'-6"
3 x TS 212 + TSK 212	59'-9"
3 x TS 212	53'-2"
2 x TS 212 + TSK 212	40'-5"
2 x TS 212	33'-10"

BASE CROSS FOUNDATION	
Tower Configuration	Hook Height (ft.)
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
10 x TS 212 + TSV 212 + TSK 212*	225'-1"
10 x TS 212 + TSV 212	218'-6"
9 x TS 212 + TSV 212 + TSK 212	205'-9"
9 x TS 212 + TSV 212	199'-2"
8 x TS 212 + TSV 212 + TSK 212	186'-4"
8 x TS 212 + TSV 212	179'-9"
7 x TS 212 + TSV 212 + TSK 212	167'-0"
7 x TS 212 + TSV 212	160'-5"
6 x TS 212 + TSV 212 + TSK 212	147'-8"
6 x TS 212 + TSV 212	141'-1"
5 x TS 212 + TSV 212 + TSK 212	128'-4"
5 x TS 212 + TSV 212	121'-9"
4 x TS 212 + TSV 212 + TSK 212	108'-11"
4 x TS 212 + TSV 212	102'-4"
3 x TS 212 + TSV 212 + TSK 212	89'-7"
3 x TS 212 + TSV 212	83'-0"
2 x TS 212 + TSV 212 + TSK 212	70'-3"
2 x TS 212 + TSV 212	63'-8"

STANDARD FOUNDATION



TSK 212 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'-4" (min.)							
	L7 229'-8"	L6 213'-3"	L5 196'-10"	L4 180'-5"	L3 164'-1"	L2 147'-8"	L1 131'-3"
98'-5"	17,640	17,640	17,640	17,640	17,640	17,640	17,640
101'-8"	17,380	17,640	17,640	17,640	17,640	17,640	17,640
104'-11"	17,050	17,640	17,640	17,640	17,640	17,640	17,640
108'-4"	16,470	17,420	17,640	17,640	17,640	17,640	17,640
111'-7"	15,920	17,220	17,640	17,640	17,640	17,640	17,640
114'-10"	15,410	16,670	17,640	17,640	17,640	17,640	17,640
118'-1"	14,930	16,160	17,640	17,640	17,640	17,640	17,640
121'-5"	14,470	15,680	17,580	17,640	17,640	17,640	17,640
124'-8"	14,030	15,190	17,070	17,640	17,640	17,640	17,640
127'-11"	13,630	14,750	16,580	17,550	17,640	17,640	17,640
131'-4"	13,230	14,330	16,120	17,070	17,640	17,640	17,640
134'-6"	12,860	13,940	15,680	16,600	17,350	17,380	
137'-10"	12,500	13,560	15,260	16,160	16,890	16,910	
141'-1"	12,170	13,210	14,860	15,750	16,450	16,470	
144'-4"	11,870	12,880	14,470	15,350	16,030	16,050	
147'-8"	11,560	12,550	14,110	14,950	15,640	15,660	
150'-11"	11,270	12,240	13,760	14,600	15,260		
154'-2"	10,980	11,930	13,430	14,250	14,910		
157'-6"	10,720	11,640	13,120	13,920	14,560		
160'-10"	10,480	11,380	12,810	13,580	14,220		
164'-0"	10,230	11,120	12,530	13,280	13,890		
167'-4"	9,990	10,850	12,240	12,990			
170'-7"	9,770	10,610	11,980	12,700			
173'-11"	9,550	10,390	11,710	12,420			
177'-2"	9,350	10,170	11,470	12,150			
180'-5"	9,150	9,950	11,230	11,910			
183'-10"	8,960	9,730	10,980				
187'-0"	8,760	9,530	11,710				
190'-4"	8,580	9,350	10,540				
193'-7"	8,400	9,150	10,340				
196'-10"	8,250	8,980	10,150				
200'-2"	8,070	8,800					
203'-5"	7,920	8,620					
206'-8"	7,760	8,470					
210'-0"	7,630	8,320					
213'-4"	7,480	8,160					
216'-6"	7,350						
219'-10"	7,210						
223'-1"	7,080						
226'-5"	6,970						
229'-8"	6,860						

### 4-Part Line

Hook Radius (ft.) 12'-0" (min.)							
	L7 229'-8"	L6 213'-3"	L5 196'-10"	L4 180'-5"	L3 164'-1"	L2 147'-8"	L1 131'-3"
46'-7"	32,580	32,580	32,580	32,580	32,580	32,580	32,580
49'-10"	34,090	32,580	32,580	32,580	32,580	32,580	32,580
56'-5"	29,500	32,080	32,580	32,580	32,580	32,580	32,580
59'-8"	27,630	30,050	33,890	32,580	32,580	32,580	32,580
62'-11"	25,930	28,250	31,880	33,910	32,580	32,580	32,580
66'-4"	24,430	26,610	30,050	31,990	33,600	33,800	32,580
72'-10"	21,850	23,810	26,940	28,690	30,140	30,430	31,660
77'-0"	20,730	22,620	25,600	27,250	28,660	28,840	30,120
79'-5"	19,710	21,520	24,370	25,950	27,300	27,450	28,660
82'-8"	18,850	20,570	23,310	24,850	26,130	26,280	27,470
85'-11"	18,060	19,710	22,360	23,840	25,070	25,230	26,370
92'-6"	16,630	18,120	20,660	22,030	23,180	23,330	24,390
95'-10"	15,990	17,510	19,890	21,210	22,340	22,470	23,480
99'-1"	15,390	16,850	19,160	20,440	21,520	21,650	22,650
102'-4"	14,840	16,250	18,480	19,740	20,770	20,900	21,870
105'-8"	14,310	15,680	17,840	19,050	20,070	20,200	21,120
112'-2"	13,340	14,620	16,670	17,820	18,790	1,890	19,780
115'-6"	12,900	14,160	16,140	17,240	18,190	18,300	19,160
118'-10"	12,480	13,700	15,630	16,720	17,620	17,730	18,570
125'-4"	11,690	12,860	14,710	15,720	16,580	16,690	17,490
128'-7"	11,340	12,480	14,270	15,260	16,100	16,210	16,980
131'-10"	11,010	12,110	13,850	14,820	15,640	15,750	
135'-2"	10,670	11,750	13,450	14,420	15,220	15,300	
138'-5"	10,370	11,420	13,080	14,030	14,800	14,890	
145'-0"	9,770	10,790	12,370	13,280	14,030	14,110	
148'-4"	9,510	10,500	12,060	12,920	13,650		
151'-7"	9,240	10,210	11,730	12,590	13,320		
158'-1"	8,760	9,680	11,160	11,980	12,660		
161'-5"	8,540	9,440	10,870	11,670	12,350		
164'-8"	8,320	9,200	10,610	11,400			
167'-11"	8,100	8,980	10,340	11,120			
171'-0"	7,900	8,730	10,100	10,850			
174'-6"	7,700	8,510	9,860	10,610			
177'-10"	7,500	8,320	9,640	10,370			
181'-1"	7,320	8,140	9,420				
187'-8"	6,970	7,740	9,000				
190'-11"	6,790	7,570	8,800				
194'-4"	6,640	7,410	8,600				
197'-6"	6,490	7,240					
200'-10"	6,330	7,080					
204'-1"	6,200	6,930					
210'-8"	5,910	6,620					
213'-11"	5,780						
217'-2"	5,650						
223'-10"	5,410						
227'-0"	5,300						

## Speeds

TROLLEY FU 8-160/4		0 to 290 fpm (0 to 808 m/min)				1 x 10.2 HP / 1 x 7.5 kW	
TRAVEL SR 10-190/3		0 to 100 fpm (0 to 30 m/min)				2 x 16.3 HP / 2 x 12.0 kW	
SWING KWB 120/4		0 to 1 rpm				2 x 11.4 HP / 2 x 8.4 kW	
STANDARD HOIST UNIT SR WB 79-80/4F (108 HP)						Max. Hook Heights ft./m	
		fpm m/min	lbs kg	fpm m/min	lbs kg		
		444 134	5,500 2,500	222 67	11,000 5,000	705(6 layers) 215	352 (6 layers) 107
		276 84	9,300 4,200	138 42	18,600 8,400	Total motor output approx. 173 HP	
		180 54	13,900 6,300	90 27	27,800 12,600	Without SR 10-190/3 approx. 140 HP	
		108 34	17,600 8,000	54 17	35,300 16,000	Connected Power 170 kVA	

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

## Power Requirements

STANDARD HOIST UNIT	480 Volts	3-phase	60-cycle	250 Amps
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Dedicated power service recommended.

## Counterweight

JIB LENGTH	L1	L2	L3	L4	L5	L6	L7
WEIGHT (LBS)	30,000	32,200	36,600	39,150	43,550	41,350	45,750
SMALL COUNTERWEIGHT	3	2	0	3	1	2	0
LARGE COUNTERWEIGHT	1	2	4	2	4	3	5

Small counterweight = 6950 lbs. Large counterweight = 9150 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 212 and 212.1 Anchor Stools		3'-2"	2'-0"	2'-0"	850	
TS 213 and 213.1 Anchor Stools		5'-5"	2'-2"	2'-2"	1,100	108 HP Counterjib Outer Section (including Wire rope) 39' - 15,750 lbs.
U821 Base Cross for TS 212 and 212.1 Tower		34'-7"	9'-1"	2'-9"	17,100	
TSV 212.1 Tower Section for U821 Cross		31'-2"	9'-10"	10'-0"	20,500	Inner jib with suspension bars 33' - 11,244 lbs.
TS 213 and 213.1 Tower Section		19'-6"	8'-0"	8'-0"	9,950	
TS 213 to 212 Tower Transition Section		19'-6"	8'-0"	8'-0"	9,750	
TS 212 and 212.1 Tower Section		19'-6"	8'-0"	8'-0"	9,300	Outer jib for L1 131'-3" hook radius with one trolley, load block and suspension bars - 60' - 9,300lbs.
TS 211 Tower Section		19'-6"	8'-0"	8'-0"	7,230	
TSK 212 Tower Section		8'-0"	9'-10"	6'-8"	6,175	
GV 211/212 Tie-in Collar		12'-2"	10'-2"	1'-7"	3,200	Outer jib for L2 147'-8" hook radius with one trolley, load block and suspension bars - 76' - 10,100 lbs.
SE 213/212 Top Climbing Section (w/items inside)		29'-3"	11'-6"	11'-6"	25,850	
Turntable w/Slewing Ring Support and Cabin		36'-5"	7'-8"	7'-10"	25,350	Outer jib for L3 164' hook radius with one trolley, load block and suspension bars - 95' - 12,600 lbs.
Operator Cabin w/Support and Railing		10'-2"	4'-11"	7'-3"	1,320	
Counterjib w/Hoist Winch		38'-7"	7'-2"	6'-0"	14,550	Outer jib for L4 180'-5" hook radius with one trolley, load block and suspension bars - 111' - 13,000 lbs.
Hoist Winch		7'-6"	5'-5"	3'-3"	5,400	
Small Counterweight		3'-11"	1'-8"	9'-4"	6,945	Outer jib for L5 196'-10" hook radius with one trolley, load block and suspension bars - 129' - 14,800 lbs.
Large Counterweight		3'-11"	1'-8"	12'-1"	9,150	
Jib Section No. 1		39'-0"	5'-0"	5'-10"	3,790	Outer jib for L6 213'-3" hook radius with one trolley, load block and suspension bars - 145' - 14,500 lbs.
Jib Section No. 2 w/ Trolley machinery		38'-8"	5'-0"	6'-2"	4,320	
Jib Section No. 3		39'-2"	5'-0"	7'-1"	4,230	Outer jib for L7 229'-8" hook radius with one trolley, load block and suspension bars - 163' - 16,300 lbs.
Jib Section No. 4		19'-2"	5'-0"	5'-5"	1,765	
Jib Section No. 5		35'-4"	5'-0"	5'-5"	3,085	
Jib Section No. 6		36'-0"	5'-0"	5'-6"	2,470	
Jib Section No. 7		33'-4"	5'-0"	5'-4"	1,565	
Jib Tip Section		3'-1"	5'-1"	1'-8"	310	
Single (outer) Trolley for 2-Part Line		5'-7"	6'-11"	4'-3"	1,100	
Single Load Block for 2-Part Line		1'-6"	7'-0"	7'-4"	650	
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.