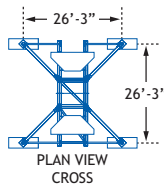
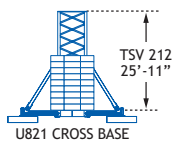


Free-Standing Hook Heights

STANDARD FOUNDATION	
Tower Configuration	Hook Height (ft.)
10 x TS 212 + TSK 212 + TSU 212/213 + 3 x TS 213	273'-0"
10 x TS 212 + TSU 212/213 + 3 x TS 213	266'-5"
10 x TS 212 + TSK 212 + TSU 212/213 + 2 x TS 213	254'-8"
10 x TS 212 + TSU 212/213 + 2 x TS 213	247'-1"
10 x TS 212 + TSK 212 + TSU 212/213 + TS 213	234'-3"
10 x TS 212 + TSU 212/213 + TS 213	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.)	AVAILABLE JIB LENGTHS IN FEET									
	L10	L9	L8	L7	L6	L5	L4	L3	L2	L1
82'-0"	22000	22000	22000	22000	22000	22000	22000	22000	22000	22000
91'-10"	21300	22000	22000	22000	22000	22000	22000	22000	22000	22000
101'-8"	18900	22000	22000	22000	22000	22000	22000	22000	22000	22000
111'-7"	16800	20000	22000	22000	22000	22000	22000	22000	22000	22000
114'-10"	16200	19300	22000	22000	22000	22000	22000	22000	22000	22000
121'-5"	15100	18000	20800	22000	22000	22000	22000	22000	22000	
127'-11"	14100	16900	19500	22000	22000	22000	22000	22000	22000	
131'-3"	13700	16400	19000	21300	22000	22000	22000	22000	22000	
141'-1"	12500	15000	17300	19500	21500	22000	22000	22000		
144'-4"	12100	14500	16900	19000	20900	22000	22000	22000		
147'-8"	11700	14100	16400	18500	20300	21800	22000	22000		
154'-2"	11100	13400	15500	17500	19300	20700	22000			
160'-9"	10500	12700	14700	16700	18300	19700	21000			
164'-1"	10200	12300	14400	16300	17900	19300	20500			
173'-11"	9400	11400	13300	15100	16700	17900				
177'-2"	9200	11100	13000	14800	16300	17500				
180'-5"	8900	10900	12700	14400	15900	17100				
187'-0"	8500	10400	12100	13800	15200					
193'-7"	8100	9900	11600	13200	14600					
196'-10"	7900	9700	11400	12900	14300					
203'-5"	7500	9200	10900	12400						
210'-0"	7200	8800	10400	11900						
213'-3"	7000	8600	10200	11600						
223'-1"	6500	8100	9600							
226'-5"	6400	7900	9400							
229'-8"	6200	7800	9200							
236'-3"	6000	7400								
239'-6"	5800	7300								
242'-9"	5700	7100								
246'-1"	5600	7000								
252'-7"	5400									
259'-2"	5100									
262'-6"	5000									

4-Part Line

Hook Radius (ft.) 12'-0" (min.)	AVAILABLE JIB LENGTHS IN FEET									
	L10	L9	L8	L7	L6	L5	L4	L3	L2	L1
49'-2"	44000	44000	44000	44000	44000	44000	44000	44000	44000	44000
52'-6"	41100	44000	44000	44000	44000	44000	44000	44000	44000	44000
59'-1'	35500	42400	44000	44000	44000	44000	44000	44000	44000	44000
65'-7"	31100	37300	42300	44000	44000	44000	44000	44000	44000	44000
68'-11'	29200	35100	39900	44000	44000	44000	44000	44000	44000	44000
75'-6"	26000	31400	35700	39700	43100	44000	44000	44000	44000	44000
78'-9"	24600	29700	33900	37700	41000	43600	44000	44000	44000	44000
82'-0"	23300	28300	32200	35900	39000	41500	43700	44000	44000	44000
91'-10'	20100	24500	28000	31200	34000	36200	38200	39200	39900	40100
101'-8"	17500	21400	24600	27500	30000	32000	33700	34700	35300	35500
111'-7'	15400	18900	21800	24500	26700	28600	30100	31000	31600	31700
114'-10"	14800	18200	21000	23600	25800	27500	29100	29800	30500	
121'-5"	13600	16900	19500	21900	24000	25700	27100	27900	28400	
127'-11"	12600	15700	18200	20500	22400	24000	25400	26200	26600	
131'-3"	12100	15100	17600	19800	21700	23300	24600	25300		
141'-1"	10900	13700	15900	18000	19800	21200	22400	23100		
144'-4"	10500	13200	15400	17400	19200	20600	21800	22400		
147'-8"	10100	12800	14900	16900	18600	20000	21200			
154'-2"	9400	12000	14000	15900	17500	18800	20000			
160'-9"	8800	11200	13200	15000	16600	17800	18900			
164'-1"	8500	10900	12800	14600	16100	17300				
173'-11"	7700	9900	11800	13400	14900	16000				
177'-2"	7400	9600	11400	13100	14500	15600				
180'-5"	7200	9400	11100	12700	14100					
187'-0"	6700	8800	10500	12100	13400					
193'-7"	6300	8300	10000	11400	12700					
196'-10"	6100	8100	9700	11200						
203'-5"	5700	7600	9200	10600						
210'-0"	5400	7200	8700	10100						
213'-3"	5200	7000	8500							
223'-1"	4700	6500	7900							
226'-5"	4600	6300	7700							
229'-8"	4400	6100								
236'-3"	4100	5800								
239'-6"	4000	5600								
242'-9"	3900	5500								
246'-1"	3700									
252'-7"	3500									
259'-2"	3300									

Speeds

TROLLEY FU 9-200/4		0 to 253 fpm				1 x 14.2 HP / 1 x 10.5 kW	
TRAVEL SR 10-190/4		0 to 100 fpm				4 x 11.9 HP / 4 x 8.8 kW	
SWING KWB 120/4		0 to 0.9 rpm				L1 - L4: 2 x 11.0 HP / 2 x 8.2 kW L5 - L10: 3 x 11.0 HP / 3 x 8.2 kW	
STANDARD HOIST UNIT SR WB 76-100/4F (108 HP)		 fpm lbs		 fpm lbs		Max. Hook Heights ft.	
		440	5,500	220	11,000	820 (5 layers)	410 (5 layers)
		275	9,300	138	18,500	Total motor output approx. 195 HP	
		177	15,700	89	31,300	Without SR 10-190/3 approx. 148 HP	
		110	22,000	55	44,000	Connected Power 205 kVA	

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, 250 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	L10
WEIGHT (LBS)	40,800	40,800	47,600	47,600	47,600	54,400	54,400	54,400	54,400	54,400
COUNTERWEIGHT	6	6	7	7	7	8	8	8	8	8

Each counterweight weighs 6800 lbs. Allowable deviation +0%/-3%

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	
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	
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	
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	
TS 213/212 Top Climbing Section (w/items inside)		29'-3"	11'-6"	11'-6"	25,850	
Turntable w/3 swing motors		11'-9"	7'-1"	7'-5"	24,100	
Operator Cabin, Catwalk, and Electric Panel		8'-2"	6'-9"	8'-6"	3,750	
Turntable complete w/ Cabin and 3 Swing Motors		17'-2"	14'-2"	12'-4"	27,600	
Towertop w/catwalk and ladder		27'-1"	6'-5"	6'-6"	9,600	
108 HP Machinery Deck w/o Wire Rope		9'-2"	8'-5"	5'-7"	7,500	
108 HP Machinery Deck w/ Rear Portion of Counterjib		38'-1"	9'-2"	6'-7"	17,500	
Front portion of Counterjib		31'-10"	6'-8"	5'-7"	6,610	
108 HP Counterjib complete less wire rope		69'-11"	9'-2"	6'-7"	25,500	
Jib Section No. 1 w/ Trolley machinery		38'-11"	6'-6"	7'-3"	6,650	
Jib Section No. 2		40'-6"	6'-6"	7'-3"	5,175	
Outer Jib Support "A" Frame		21'-7"	5'-5"	4'-8"	650	
Jib Section No. 3		38'-10"	6'-6"	7'-7"	4,750	
Jib Section No. 4		18'-8"	6'-6"	6'-3"	2,000	
Jib Section No. 5		35'-0"	6'-6"	6'-11"	4,000	
Jib Section No. 6		35'-5"	6'-6"	6'-4"	3,000	
Jib Section No. 7		33'-6"	6'-6"	6'-3"	2,150	
Jib Section No. 8		17'-1"	6'-6"	6'-2"	1,750	
Jib Section No. 9		18'-10"	6'-6"	6'-4"	1,870	
Jib Tip Section		4'-6"	6'-8"	4'-6"	850	
Single (outer) Trolley for 2-Part Line		7'-4"	5'-9"	6'-0"	1,750	
Single Load Block for 2-Part Line		2'-9"	1'-0"	4'-6"	1,200	
Double Trolley for 4-Part Line		14'-8"	5'-9"	6'-0"	3,400	
Dual Load Block for 4-Part Line		5'-6"	1'-0"	4'-6"	2,400	
Counterweight		14'-8"	0'-6"	5'-1"	6,800	
Power Cable		3'-4"	3'-4"	3'-6"	600	

108 HP Counterjib Outer Section (including Wire Rope) 70' - 26,500 lbs.

Inner jib with one trolley, load block, and suspension cables 75' - 18,050 lbs.

Outer jib for L1 114'-10" hook radius with suspension cables 42' - 7,960 lbs.

Outer jib for L2 131'-3" hook radius with suspension cables 60' - 9,960 lbs.

Outer jib for L3 147'-8" hook radius with suspension cables 76' - 12,200 lbs.

Outer jib for L4 164'-0" hook radius with suspension cables 95' - 14,510 lbs.

Outer jib for L5 180'-5" hook radius with suspension cables 111' - 15,200 lbs.

Outer jib for L6 196'-10" hook radius with suspension cables 129' - 17,510 lbs.

Outer jib for L7 213'-3" hook radius with suspension cables 145' - 17,350 lbs.

Outer jib for L8 229'-8" hook radius with suspension cables 163' - 19,660 lbs.

Outer jib for L9 246'-1" hook radius with suspension cables 180' - 21,410 lbs.

Outer jib for L10 262'-6" hook radius with suspension cables 199' - 23,280 lbs.

*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.