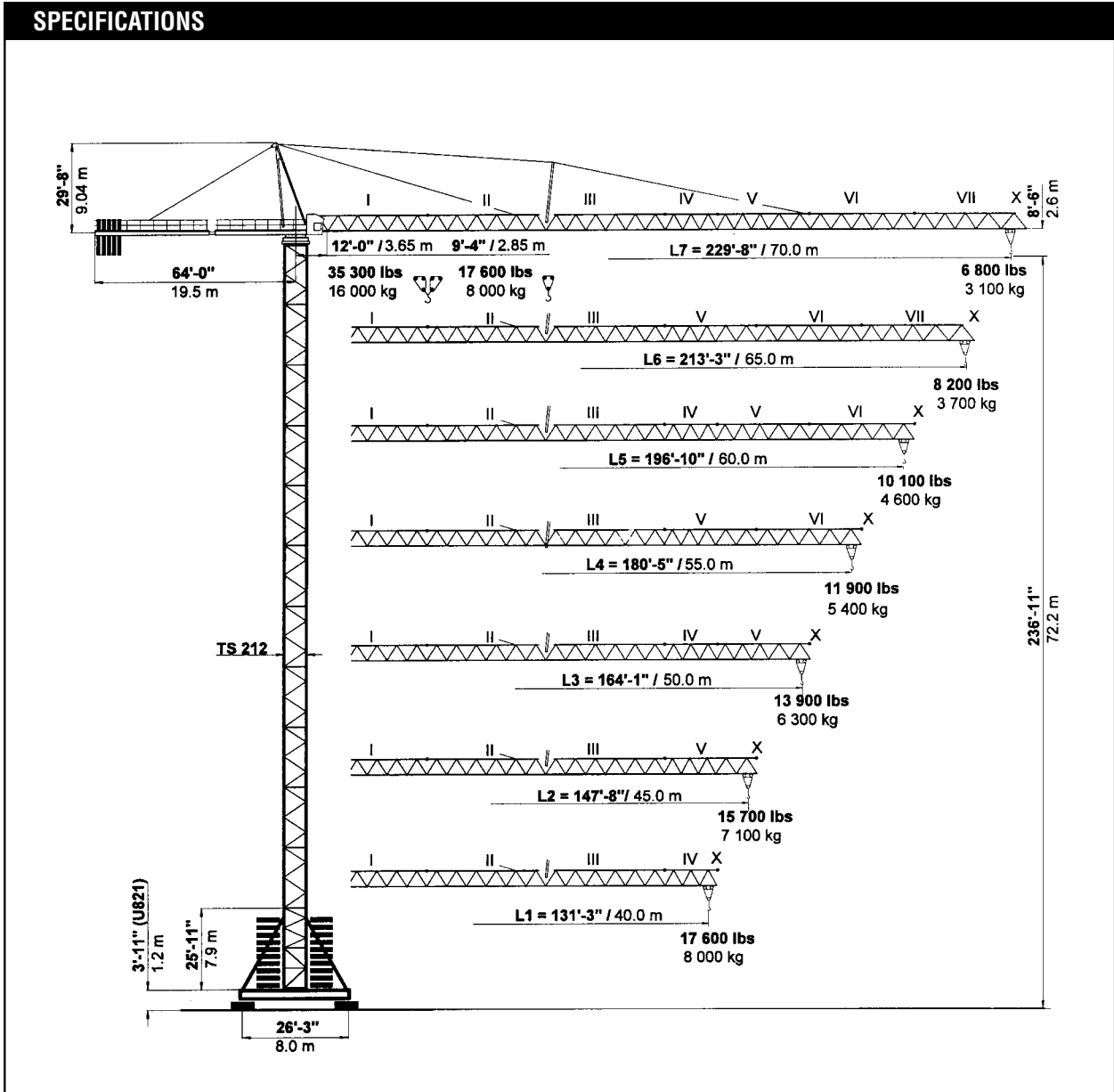




PEINER SK 315

Hammerhead Tower Crane
17,600-35,300 lbs. (8-16 mt)
Lifting Capacity

SPECIFICATIONS



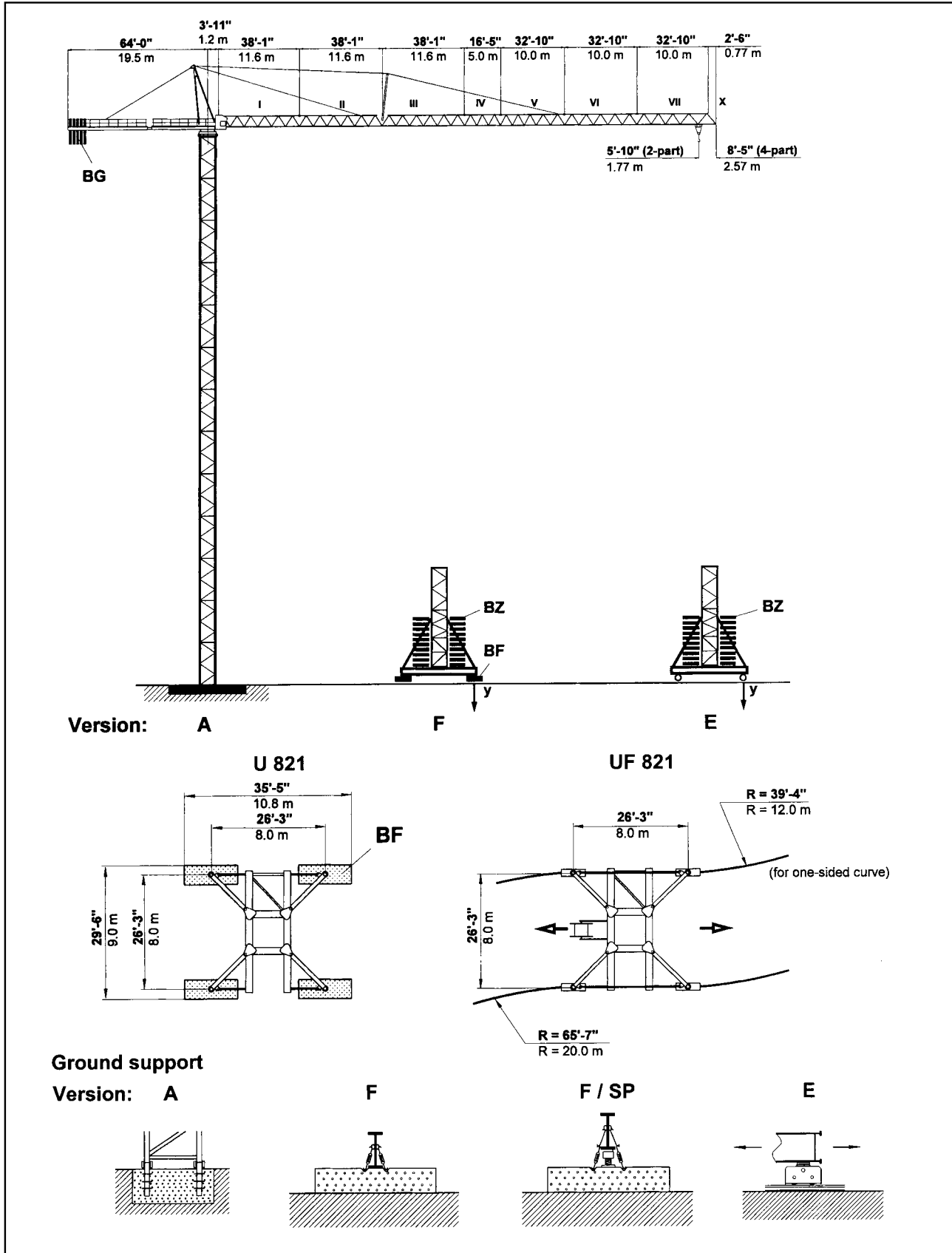
simple, available and
cost effective™

Machines shown may have optional equipment.

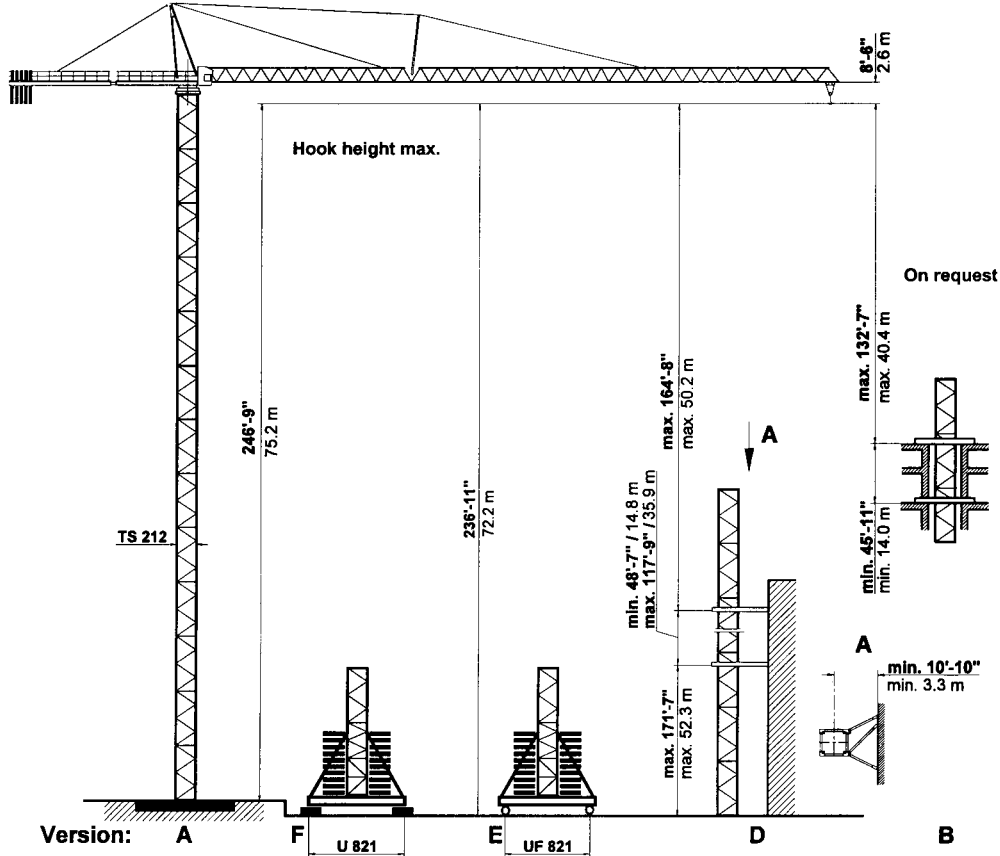


PEINER SK 315

Combinations of tower section, hook heights, forces acting per corner, base ballast



PEINER SK 315 Tower TS 211



TS 212	Version A		Version F			Version E			
	HH	Tower	HH	BZ + BF	in service	out of service	BZ	in service	out of service
TS 212.1	ft m	TSV 212 TS 212.1	ft m	kips / t	kips / kN	kips / kN	kips / t	kips / kN	kips / kN
13 x TS 212.1	246'-9" ^{**} 75.2 [*]								
12 x TS 212.1	227'-4" ^{**} 69.3 [*]	1 x TSV 212 11 x TS 212.1	236'-11" ^{**} 72.2 [*]	212.0 96	204 909	279 1243	198.0 90	212 942	282 1253
11 x TS 212.1	208'-0" ^{**} 63.4 [*]	1 x TSV 212 10 x TS 212.1	217'-6" ^{**} 66.3 [*]	168.0 76	186 826	240 1066	154.0 70	192 856	242 1075
10 x TS 212.1	188'-8" ^{**} 57.5 [*]	1 x TSV 212 9 x TS 212.1	198'-2" ^{**} 60.4	146.0 66	173 770	203 901	132.0 60	179 797	204 909
9 x TS 212.1	169'-4" ^{**} 51.6	1 x TSV 212 8 x TS 212.1	178'-10" ^{**} 54.5	124.0 56	161 715	169 751	88.0 40	161 715	169 754
8 x TS 212.1	149'-11" ^{**} 45.7	1 x TSV 212 7 x TS 212.1	159'-5" ^{**} 48.6	101.0 46	149 661	145 645	88.0 40	154 683	170 654
7 x TS 212.1	130'-7" ^{**} 39.8	1 x TSV 212 6 x TS 212.1	140'-1" ^{**} 42.7	101.0 46	142 633	128 569	66.0 30	141 629	124 553
6 x TS 212.1	111'-3" ^{**} 33.9	1 x TSV 212 5 x TS 212.1	120'-9" ^{**} 36.8	101.0 46	136 607	112 499	66.0 30	135 600	108 482
5 x TS 212.1	91'-10" ^{**} 28.0	1 x TSV 212 4 x TS 212.1	101'-5" ^{**} 30.9	101.0 46	131 582	98 435	66.0 30	129 573	94 418
4 x TS 212.1	72'-6" ^{**} 22.1	1 x TSV 212 3 x TS 212.1	82'-0" ^{**} 25.0	101.0 46	126 559	85 376	66.0 30	123 548	81 359
3 x TS 212.1	53'-2" ^{**} 16.2	1 x TSV 212 2 x TS 212.1	62'-8" ^{**} 19.1	101.0 46	120 536	80 356	66.0 30	118 523	75 335
2 x TS 212.1	33'-9" ^{**} 10.3	1 x TSV 212 1 x TS 212.1	43'-4" ^{**} 13.2	101.0 46	116 515	80 356	66.0 30	112 500	75 335
Foundation 25'-7" x 25'-7" x 5'-7" 7.8 x 7.8x 1.7 m					Stationary base U 821		Travelling base UF 821		
Anchor stools 4 x FF 212					BF 4 x 8.82 kips 4 x 4.0 t		BZ block 11.02 kips Block 5.0 t		Bogle Curve F 500

If TSK 212 section is used the hook height is increased by 6'-7" (2 m).

* Lower climbing section after erection.



TS 212.1 = 19'-4 1/4" / 5.9 m

TSV 212 = 25'-11" / 7.9 m











TSK 212 = 6'-7" / 2.0 m



PEINER SK 315 Radius and Capacity

Jib	Max. capacity max. 17,600 lbs 8.0 t	Radius – ft./m Capacity – lbs./mt																			
		2-Part Line  max. 17,600 lbs max. 8.0 t																			
ft m		75'-6" 23	82'-0" 25	98'-5" 30	114'-10" 35	131'-3" 40	141'-1" 43	147'-8" 45	157'-6" 48	164'-1" 50	173'-11" 53	180'-5" 55	190'-3" 58	196'-10" 60	206'-8" 63	213'-3" 65	223'-1" 68	229'-8" 70			
L7	229'-8" 70.0	9'-4" - 96'-9" 2.85 - 29.5 m	17600 8.0	17600 8.0	17400 7.9	14800 6.7	12800 5.8	11900 5.4	11200 5.1	10600 4.8	10100 4.6	9500 4.3	9000 4.1	8600 3.9	8200 3.7	7700 3.5	7500 3.4	7100 3.2	6800 3.1		
L6	213'-3" 65.0	9'-4" - 105'-0" 2.85 - 32.0 m	17600 8.0	17600 8.0	17600 8.0	16100 7.3	13900 6.3	13000 5.9	12300 5.6	11500 5.2	11000 5.0	10400 4.7	9900 4.5	9300 4.2	8800 4.0	8600 3.9	8200 3.7				
L5	196'-10" 60.0	9'-4" - 117'-9" 2.85 - 35.9 m	17600 8.0	17600 8.0	17600 8.0	17600 8.0	15700 7.1	14600 6.6	13900 6.3	13000 5.9	12300 5.6	11700 5.3	11200 5.1	10600 4.8	10100 4.6						
L4	180'-5" 55.0	9'-4" - 124'-8" 2.85 - 38.0 m	17600 8.0	17600 8.0	17600 8.0	17600 8.0	16800 7.6	15400 7.0	14800 6.7	13900 6.3	13200 6.0	12300 5.6	11900 5.4								
L3	164'-1" 50.0	9'-4" - 130'-11" 2.85 - 39.9 m	17600 8.0	17600 8.0	17600 8.0	17600 8.0	17600 8.0	16300 7.4	15400 7.0	14600 6.6	13900 6.3										
L2	147'-8" 45.0	9'-4" - 131'-11" 2.85 - 40.2 m	17600 8.0	17600 8.0	17600 8.0	17600 8.0	17600 8.0	16500 7.5	15700 7.1												
L1	131'-3" 40.0	9'-4" - 131'-3" 2.85 - 40.0 m	17600 8.0	17600 8.0	17600 8.0	17600 8.0															
ft m		4-Part Line  max. 35,300 lbs max. 16.0 t																Radius - 2'-7" (- 0.8 m)			
L7	227'-0" 69.2	12'-0" - 48'-7" 3.65 - 14.8 m	21800 9.9	19600 8.9	16100 7.3	13200 6.0	11200 5.1	10400 4.7	9700 4.4	9000 4.1	8600 3.9	7900 3.6	7500 3.4	7100 3.2	6600 3.0	6200 2.8	6000 2.7	5500 2.5	5300 2.4		
L6	210'-8" 64.2	12'-0" - 52'-2" 3.65 - 15.9 m	23800 10.8	21600 9.8	17400 7.9	14600 6.6	12600 5.7	11500 5.2	10800 4.9	9900 4.5	9500 4.3	8800 4.0	8400 3.8	7700 3.5	7500 3.4	6800 3.1	6600 3.0				
L5	194'-3" 59.2	12'-0" - 57'-9" 3.65 - 17.6 m	26900 12.2	24500 11.1	19800 9.0	16800 7.6	14300 6.5	13000 5.9	12300 5.6	11500 5.2	10800 4.9	10100 4.6	9700 4.4	9000 4.1	8600 3.9						
L4	177'-10" 54.2	12'-0" - 61'-0" 3.65 - 18.6 m	28700 13.0	26000 11.8	21200 9.6	17900 8.1	15200 6.9	14100 6.4	13200 6.0	12300 5.6	11700 5.3	10800 4.9	10400 4.7								
L3	161'-5" 49.2	12'-0" - 63'-8" 3.65 - 19.4 m	30200 13.7	27300 12.4	22300 10.1	18700 8.5	16100 7.3	14800 6.7	14100 6.4	12800 5.8	12300 5.6										
L2	145'-0" 44.2	12'-0" - 64'-0" 3.65 - 19.5 m	30400 13.8	27600 12.5	22500 10.2	19000 8.6	16300 7.4	15000 6.8	14100 6.4												
L1	128'-7" 39.2	12'-0" - 66'-3" 3.65 - 20.2 m	31700 14.4	28700 13.0	23600 10.7	19800 9.0	17000 7.7														

Speeds

FU 8-160/4		v = 0 → ~290 fpm (88 m / min.)	10.2 HP 7.5 kW			
SR 10-190/3		v = 0 → ~96 fpm (30 m / min.)	2 x 16.3 HP 2 x 12.0 kW			
K WB 120/4		v = 0 → 0.9 rpm (min ⁻¹)	2 x 11.4 HP 2 x 8.4 kW			
 HK max. = 705' (215 m) 6 - layers			480 V / 60 Hz / 3 ph			
Type SR WB 66-80/4F [108 HP] [79 kW]	   	 2-Part Line → 444 fpm 134 m/min → 276 fpm 84 m/min → 180 fpm 54 m/min → 108 fpm 34 m/min	 4-Part Line → 222 fpm 67 m/min → 138 fpm 42 m/min → 90 fpm 27 m/min → 54 fpm 17 m/min	5 500 lbs 2 500 kg 9 300 lbs 4 200 kg 13 900 lbs 6 300 kg 17 600 lbs 8 000 kg	11 000 lbs 5 000 kg 18 600 lbs 8 400 kg 27 800 lbs 12 600 kg 35 300 lbs 16 000 kg	Total motor output ~140 HP without SR 10-190/3 ~105 kW Connected power 170 kVA

Counterweight

Jib		L 1	L 2	L 3	L 4	L 5	L 6	L 7
Counterweight	BG	30 000 lbs 13 600 kg	32 200 lbs 14 600 kg	36 600 lbs 16 600 kg	39 150 lbs 17 750 kg	43 550 lbs 19 750 kg	41 350 lbs 18 750 kg	45 750 lbs 20 750 kg
	[lbs]	3 x 6 950 1 x 9 150	2 x 6 950 2 x 9 150	4 x 9 150	3 x 6 950 2 x 9 150	1 x 6 950 4 x 9 150	2 x 6 950 3 x 9 150	5 x 9 150
	[t]	3 x 3.15 1 x 4.15	2 x 3.15 2 x 4.15	4 x 4.15	3 x 3.15 2 x 4.15	1 x 3.15 4 x 4.15	2 x 3.15 3 x 4.15	5 x 4.15



PEINER SK 315 Dimensions and transport weights

See operating manual for mounting weights

	Designation		Dimensions (ft / m)			Weight	Volume
			l	b	h	lbs / t	ft ³ / m ³
1	Jib Section III		39.01	4.99	7.09	4 200	1 386
			11.94	1.52	2.16	1.92	39.2
2	Jib Section I		39.01	4.99	5.84	3 790	1 137
	Section II		11.89	1.52	1.78	1.72	32.2
	Section III		38.65	4.99	6.17	4 320	1 190
	Section IV		11.78	1.52	1.88	1.96	33.7
	Section V		19.19	4.99	5.41	1 760	519
	Section VI		5.85	1.52	1.65	0.80	14.7
	Section VII		35.34	4.99	5.45	3 090	961
	Jib tip X		10.77	1.52	1.66	1.40	27.2
			36.03	4.99	5.48	2 470	985
			10.98	1.52	1.67	1.12	27.9
3	Turntable with slewing ring support and cabin		36.35	7.64	7.81	25 350	2 169
			11.08	2.33	2.38	11.50	61.4
	Turntable with slewing ring support		31.99	7.64	7.81	24 030	1 911
		9.75	2.33	2.38	10.90	54.1	
	Cabin with support and railing		10.17	4.92	7.25	1 320	364
			3.10	1.50	2.21	0.60	10.3
4	Counter jib with hoist winch		38.13	5.91	6.00	14 550	1 353
			11.62	1.80	1.83	6.60	38.3
	Hoist winch	66 WB	7.51	5.45	3.28	5 400	134
			2.29	1.66	1.00	2.45	8.4
5	Counterweight	BG	3.94	1.64	9.32	6 950	60
			1.20	0.50	2.84	3.15	1.4
			3.94	1.64	12.11	9 150	78
			1.20	0.50	3.69	4.15	1.7
6	Tower section	TS 212.1	19.52	7.78	8.01	9 130	1 216
			5.95	2.37	2.45	4.14	34.4
		TSV 212 with struts	31.17	9.84	10.00	20 330	3 067
		9.50	3.00	3.05	9.22	86.9	
	TSK 212	6.63	7.87	9.84	6 170	513	
		2.02	2.40	3.00	2.80	14.5	
7	Travelling base, folded	UF 821	41.01	9.74	7.05	35 050	2 816
			12.5	2.97	2.15	15.90	79.8
8	Stationary base, folded	U 821	34.55	9.06	2.79	17 130	873
			10.53	2.76	0.85	7.77	24.7
9	Central ballast block	BZ	11.48	4.92	2.20	11 020	124
			3.50	1.50	0.67	5.00	3.5
10	Foundation pad	BF	9.19	3.28	1.87	8 820	57
			2.80	1.00	0.57	4.00	1.6
11	Accessories					4 800	
						2.17	



For more information, product demonstration, or details on lease and rental plans, please contact your local Terex Towers Distributor.

We reserve the right to amend these specifications at any time without notice. The only warranty applicable is our standard written warranty applicable to the particular product and sale. We make no other warranty, expressed or implied.

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