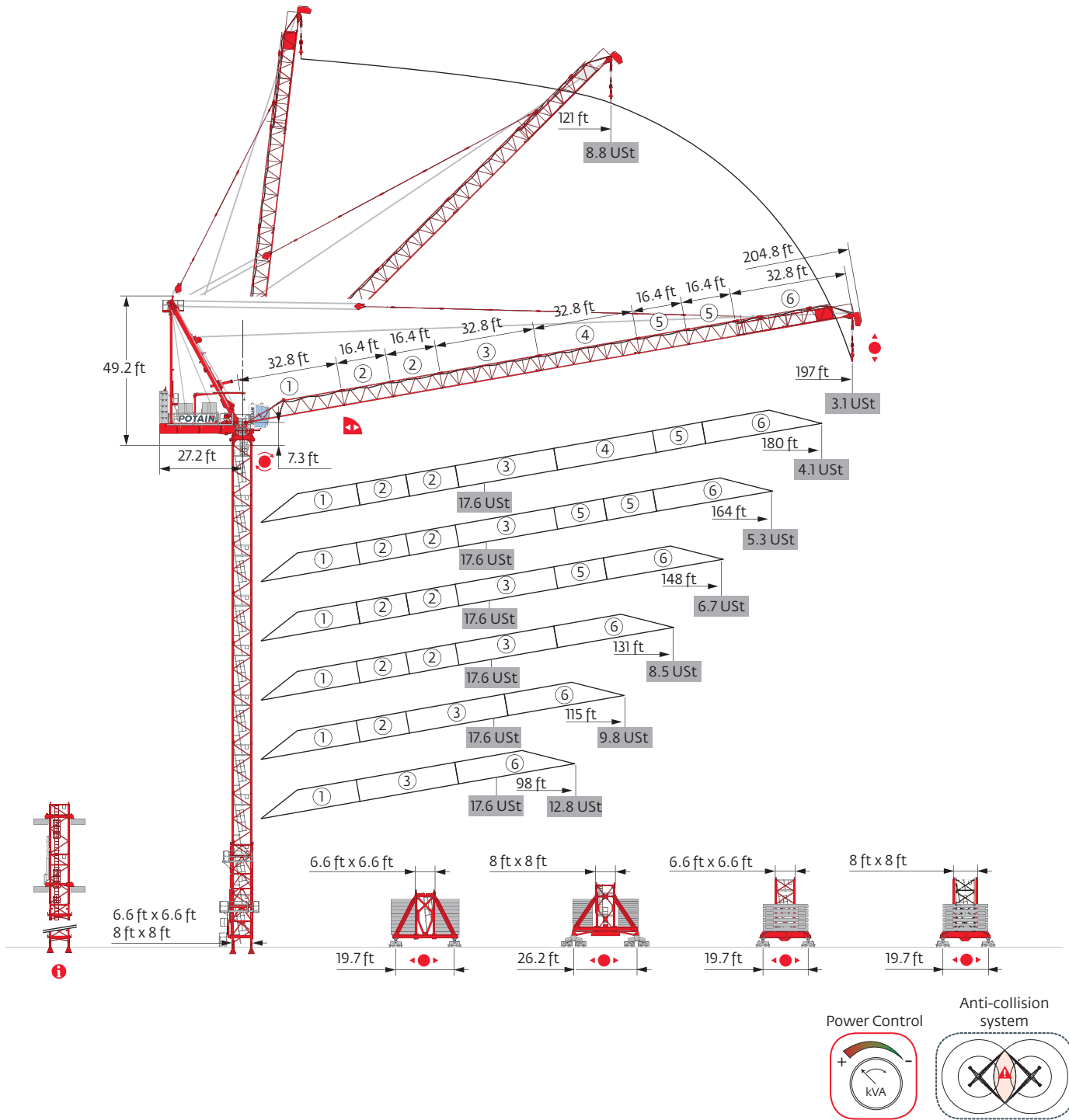
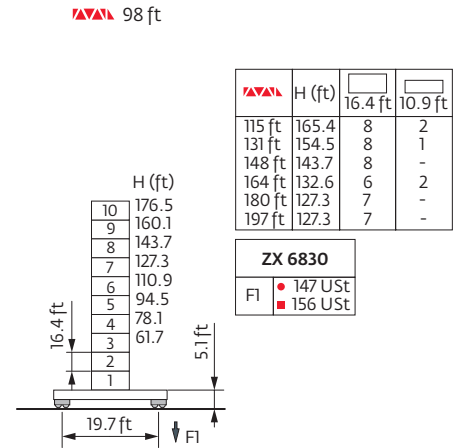
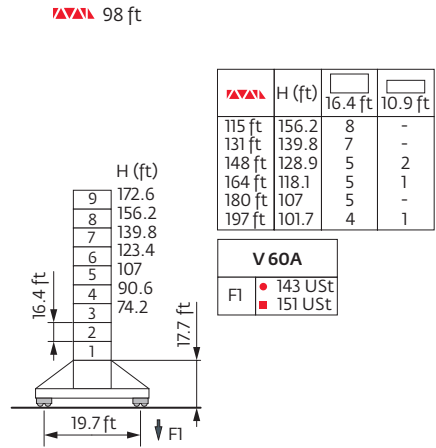
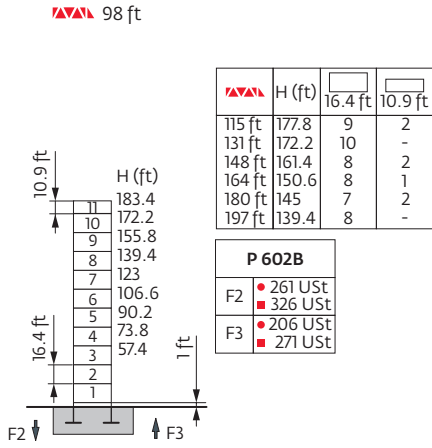


# MR 295 H16

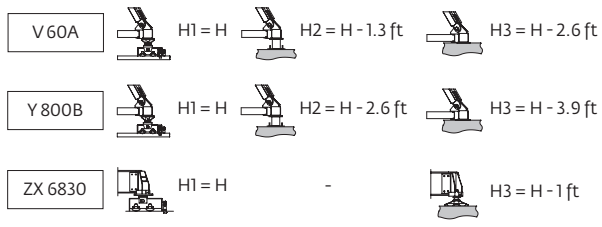
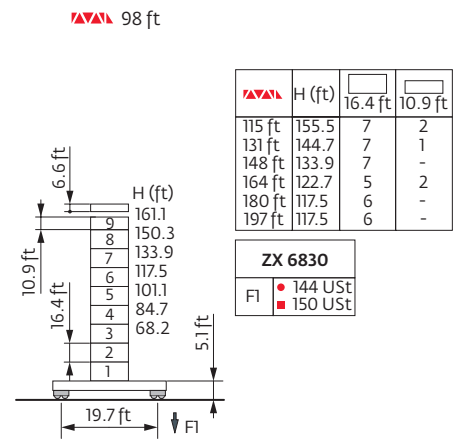
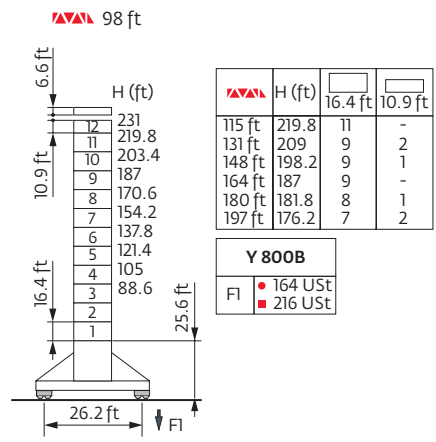
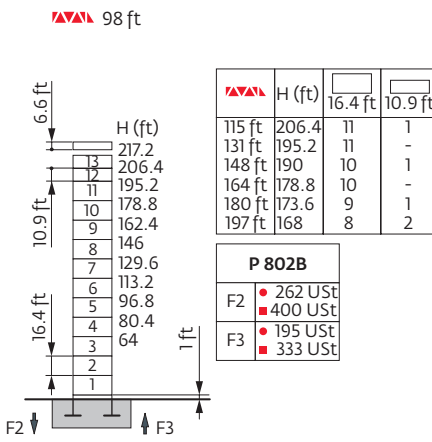


Mast - Reactions

6.6 ft



8 ft



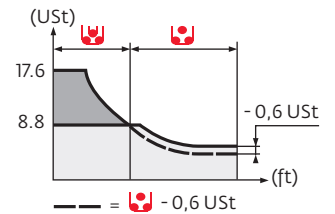
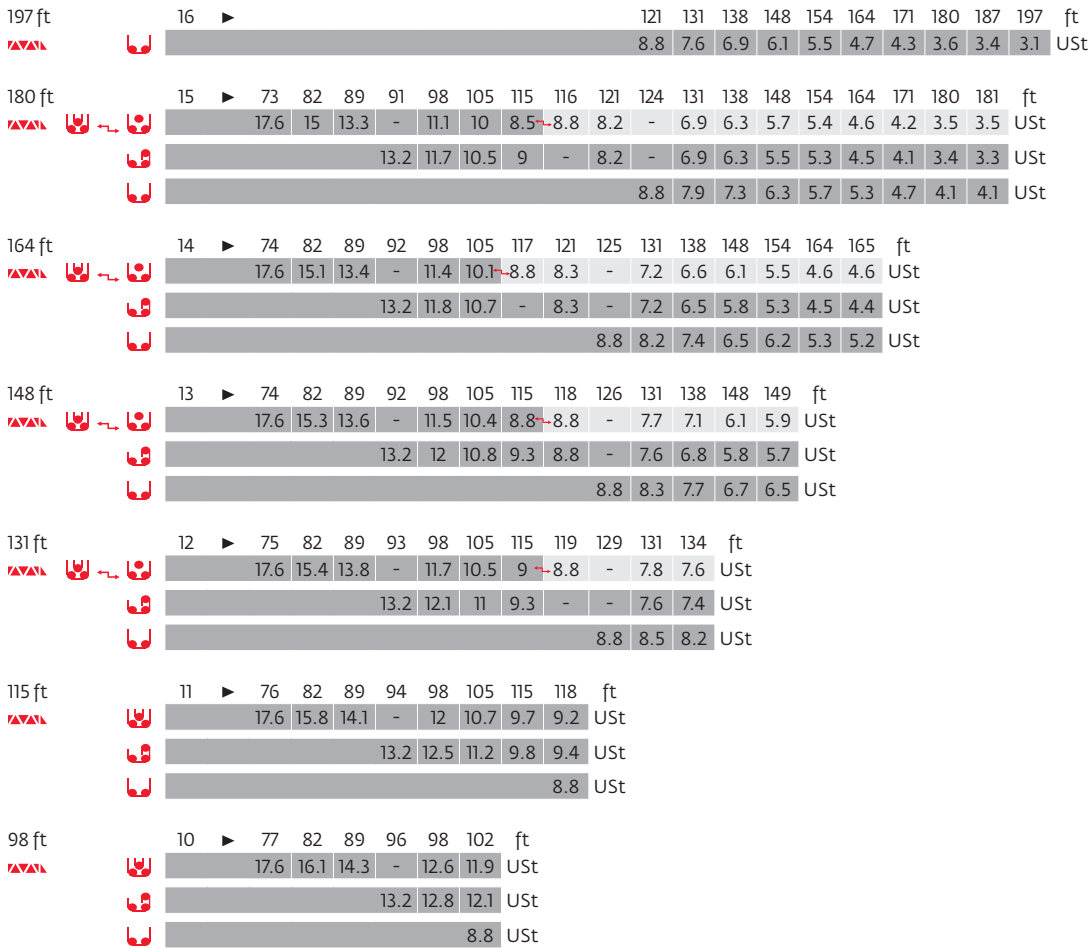
Note: When "ASCE" is noted in this data sheet it is referring to 115 mph Wind Zone, Exposure B, Design Wind Speed = 98 mph. See back cover for design wind speed calculations.

Motorized accesses of Cab-IN and TCL types: Adapted mast compositions, base ballast and reactions.

Anchorage



Load curves



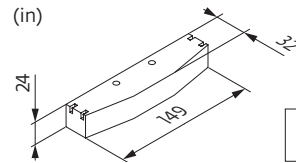
Base ballast

	6.6 ft				8 ft			
	V 60A		ZX 6830		Y 800B		ZX 6830	
	H (ft)	USt	H (ft)	USt	H (ft)	USt	H (ft)	USt
98 ft	172.6	145.5	176.5	155.4	231	185.2	161.1	144.4
115 ft	156.2	145.5	165.4	166.5	219.8	198.4	155.5	166.5
131 ft	139.8	145.5	154.5	166.5	209	198.4	144.7	155.4
148 ft	128.9	145.5	143.7	166.5	198.2	198.4	133.9	155.4
164 ft	118.1	145.5	132.6	166.5	187	198.4	122.7	155.4
180 ft	107	145.5	127.3	188.5	181.8	198.4	117.5	166.5
197 ft	101.7	145.5	127.3	199.5	176.2	198.4	117.5	177.5

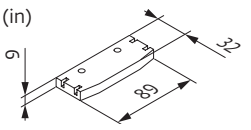
Jib weight & counter-jib ballast

	Jib (lb) (+/- 5%)			90 HPL™ - 100 LVF			180 LVF GH		
	USt	USt	USt	8,708 lb	2,205 lb	USt (lb)	8,708 lb	2,205 lb	USt (lb)
98 ft	13,228	12,699	12,192	5	0	43,541	4	3	41,447
115 ft	15,102	14,573	14,065	5	0	43,541	4	3	41,447
131 ft	16,843	16,314	15,807	5	0	43,541	4	3	41,447
148 ft	18,232	17,703	17,196	5	0	43,541	4	3	41,447
164 ft	19,544	19,015	18,508	5	1	45,746	5	0	43,541
180 ft	20,745	20,216	19,709	5	1	45,746	5	0	43,541
197 ft	-	-	20,988	5	1	45,746	5	0	43,541

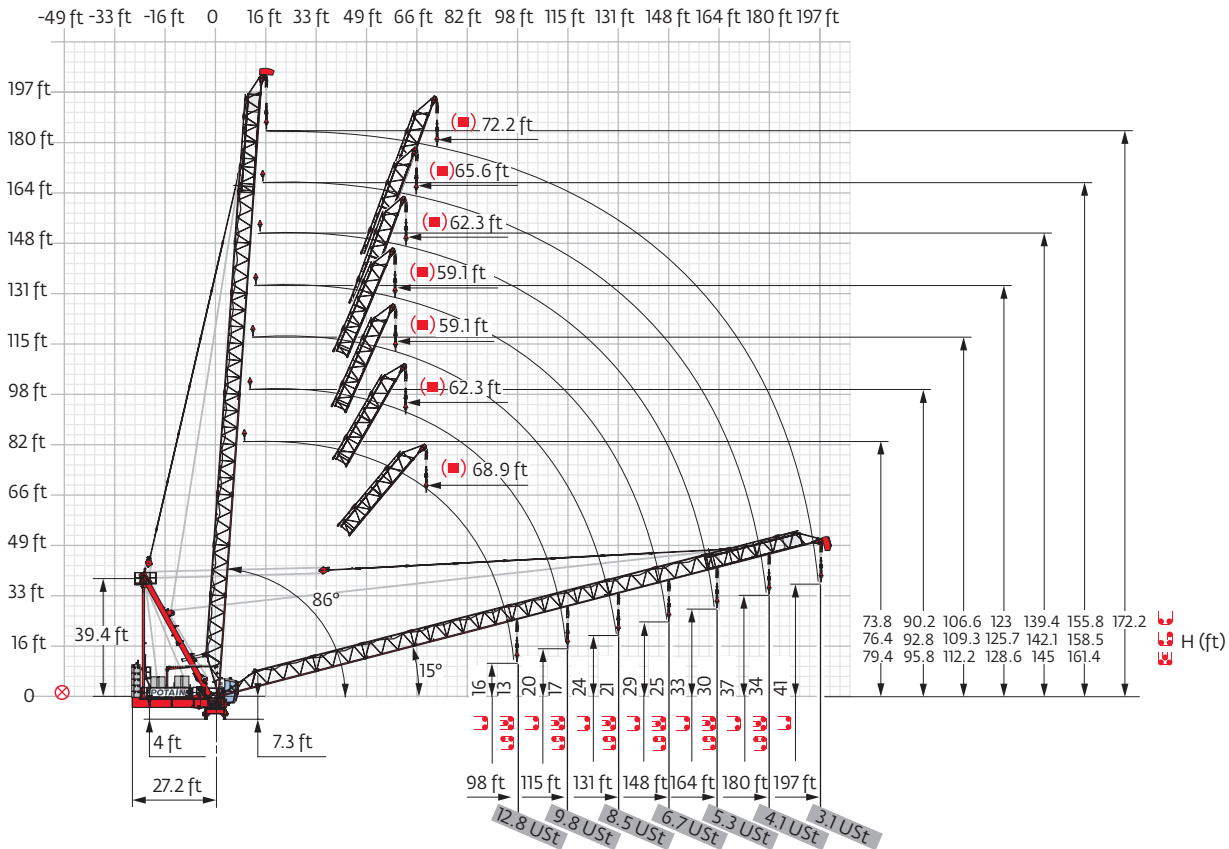
CBJ - 8,708 lb



CBK - 2,205 lb



Luffing jib

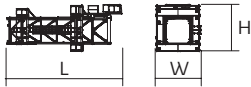


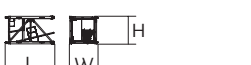
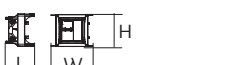






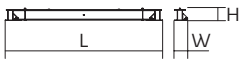
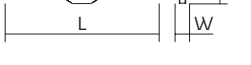
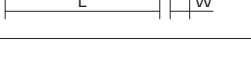


Dimensions and weight









Slewing crane part: 197 ft - 90 HPL™






Slewing crane part		L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib		24.4	16.9	15.4	15,432
Strut		24.9	10.8	42.7	15,465
Cab	Ultra View	15.6	6.1	8.3	4,057
Towerhead	16.6 ft	9.8	7.5	10.3	20,172
Jib section	①	33.7	6.2	6.5	3,241
Jib section	② ⑤	17 17	5.9 5.9	5.5 5.4	1,433 1,168
Jib section	③ ④	33.4 33.4	5.9 5.9	5.5 5.4	2,712 2,338
Jib section	⑥	38.7	6	6.5	2,998
Pulley block		5.9 2	1.4 0.6	8.8 3.8	1,087 897
Hoisting winch (+ rope)	90 HPL™ 100 LVF 180 LVF GH	9.3 10.1 18.5	4.3 5.2 10.1	5.6 6.2 8.7	6,140 9,932 23,171
Luffing winch (+ rope)	100 VVF	10.4	5.8	6.2	6,614

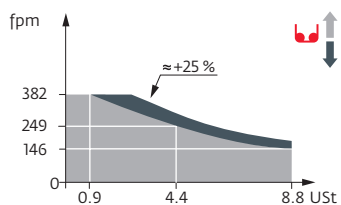
Crane tower			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
T 61 T 851		□ 6.6 ft □ 8 ft	35.5 36.7	13.6 15.9	14.7 19	21,385 34,723
K 649B		□ 6.6 ft	33.6	6.8	6.7	11,663
K 649A KR 649A KRMT 849A K 849A		□ 6.6 ft □ 6.6 ft □ 8 ft □ 8 ft	17.2 17.2 17.2 17.2	6.8 6.9 8.4 8.3	6.7 6.8 8.3 8.2	6,184 7,165 9,017 7,496
K 649C KRMT 849C		□ 6.6 ft □ 8 ft	11.7 11.7	6.8 8.4	6.7 8.3	4,376 7,066
K800/KR60 Connecting mast		□ 8/6.6 ft	7.3	10.7	8.1	9,304
Fixing angles		P 602B P 802B	2.1 2.5	2.1 2.5	4.2 4.2	650 1,025
Basic mast unit		V 60A Y 800B	16.4 19.8	7.9 9.6	7.9 9.6	9,674 19,004
Struts		V 60A Y 800B	14.8 18.1	1 1.6	1 1.5	919 2,447
Half-bearer		V 60A	22	2.3	7.6	3,519
1/2 Side member		Y 800B	18.6	4.1	2.4	3,351
Side member		Y 800B	39.4	4.1	2.4	6,724
Ballast support		Y 800B	12.3	1.2	3	2,392
Chassis beam		Y 800B	28.5	2.7	2.4	4,938
Cross girder		ZX 6830	29.9 29.9	2.5 3.7	4.9 3.6	12,004 11,607

Mechanisms


















480 V - 60 Hz													hp	kW	
	90 HPL™ 40	fpm	131	172	246	433	548	69	89	130	235	274	90	66	1,768 ft
		USt	8.8	6.6	4.4	2.2	1.5	17.6	13.2	8.8	4.4	3.6			
	100 LVF 40 Optima	fpm	146	187	249	325	382	76	98	131	171	192	100	75	3,727 ft
		USt	8.8	6.6	4.4	2.2	0.9	17.6	13.2	8.8	3.9	3			
180 LVF 40 GH Optima	fpm	262	331	449	653	814	138	180	259	325	407	180	132	3,842 ft	
	USt	8.8	6.6	4.4	2.5	1.3	17.6	13.2	8.8	6.5	4				
	100 VVF 40		1 min 40 s									100	75		
	RVF 172 Optima+	rpm	0 → 0.8									2 x 10	2 x 7.5		
															

 IEC 60204-32	 kVA
480 V (+6% -10%) 60 Hz	100 LVF : 179 kVA 90 HPL™ : 171 → 135 kVA 180 LVF GH : 243 → 171 kVA 

100 LVF 40 Optima



These mast combinations meet the EN 14439 and ASME B30.3-2016 specifications for "out of service" wind conditions, provided the illustrated wind speed matches required design wind speed for the location of the tower crane. The "out of service" design wind speed was determined in accordance with ASCE 7-10, Figure 26.5-1A. The wind velocity, used for this configuration was 98 mph (158 kph), which represents a nominal design 3-second wind gust at 33 ft (10 m) above ground for Exposure B category. A factor of 0.85 was applied to the 700-year ultimate design wind speed of 115 mph (185 kph), per ASCE 37-02, with the assumption that this crane is considered a temporary structure used during a construction period of 2 years or less.

- |   |                          |   |   |  |   |
|---|--------------------------|---|---|--|---|
|  | Standard equipment       |  | Jib articulation axis                             |  | Slewing   |
|  | Options                  |  | Weathervaning position                            |  | Travelling  |
|  | Reactions in service     |  | Lorry 44 ft                                       |  | Required power  |
|  | Reactions out of service |  | Container High Cube 40 ft, and/or Flat Rack 20 ft |  | Power Control Function: winch speeds adapted to the available power |
|  | Jib weight               |  | Hoisting  |  | Consult us  |
|  | Total ballast weight     |  | Luffing   |  |   |

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