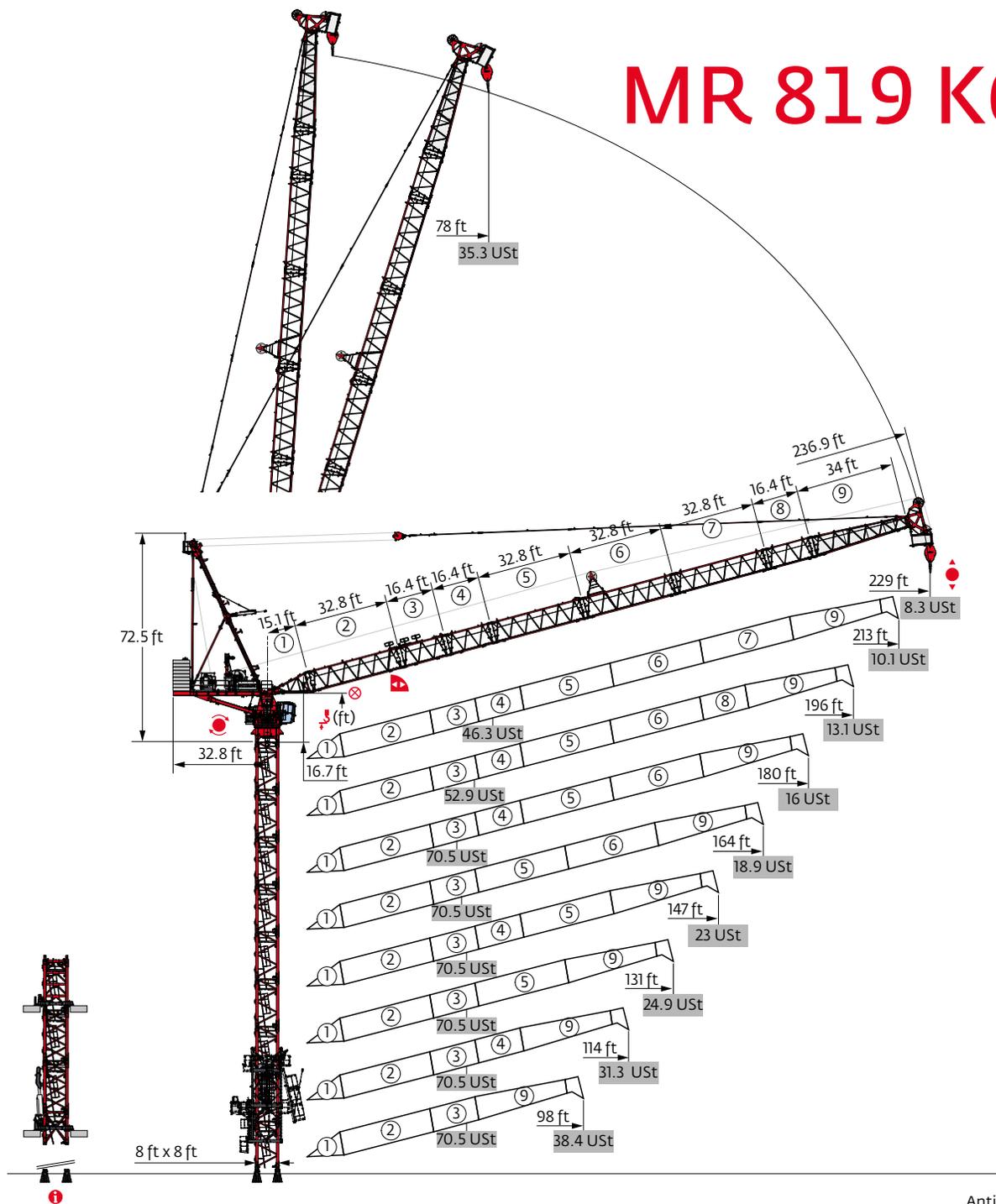


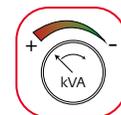
## MR 819 K64



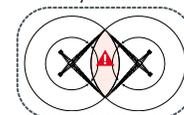
Potain Plus



Power Control

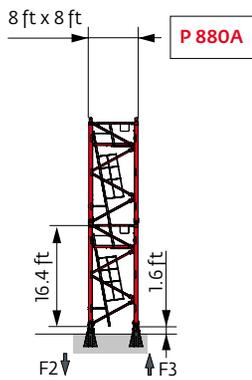


Anti-collision systems



Mast - Reactions

8 ft - P 880A									
Height (ft)	98	114	131	147	164	180	196	213	229
Height (ft)	215.2	215.2	215.2	215.2	215.2	198.8	198.8	198.8	198.8
Height (ft)	215.2	215.2	215.2	198.8	198.8	198.8	198.8	198.8	198.8
Width	16.4 ft	12	12	12	12	11	11	11	11
F2 (USt)	●	563	560	580	603	607	570	576	581
	■	562	588	625	666	702	644	683	709
F3 (USt)	●	386	378	397	419	422	382	419	425
	■	421	441	477	518	553	493	532	559



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.

**i** Other mast compositions - Please consult us.

Motorized accesses: adapted mast composition, base ballast and reactions.

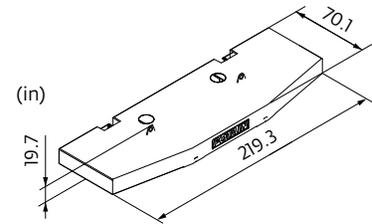
Anchorage

**i**

Jib weight & counter-jib ballast

	(lb) (+/- 5%)			(lb)
		/		
	3B		17,857 lb	
229 ft	67,814 ( 2B)	32,606 / 35,208 ( 2B)	9	160,717
213 ft	64,342 ( 2B)	33,709 / 30,633 ( 2B)	9	160,717
196 ft	63,614	33,709 / 29,906	9	160,717
180 ft	60,153	33,709 / 26,444	9	160,717
164 ft	55,876	21,363 / 34,513	8	142,860
147 ft	53,605	21,782 / 31,824	8	142,860
131 ft	49,725	21,782 / 27,944	8	142,860
114 ft	46,760	21,914 / 24,846	8	142,860
98 ft	43,034	22,046 / 20,988	7	125,002

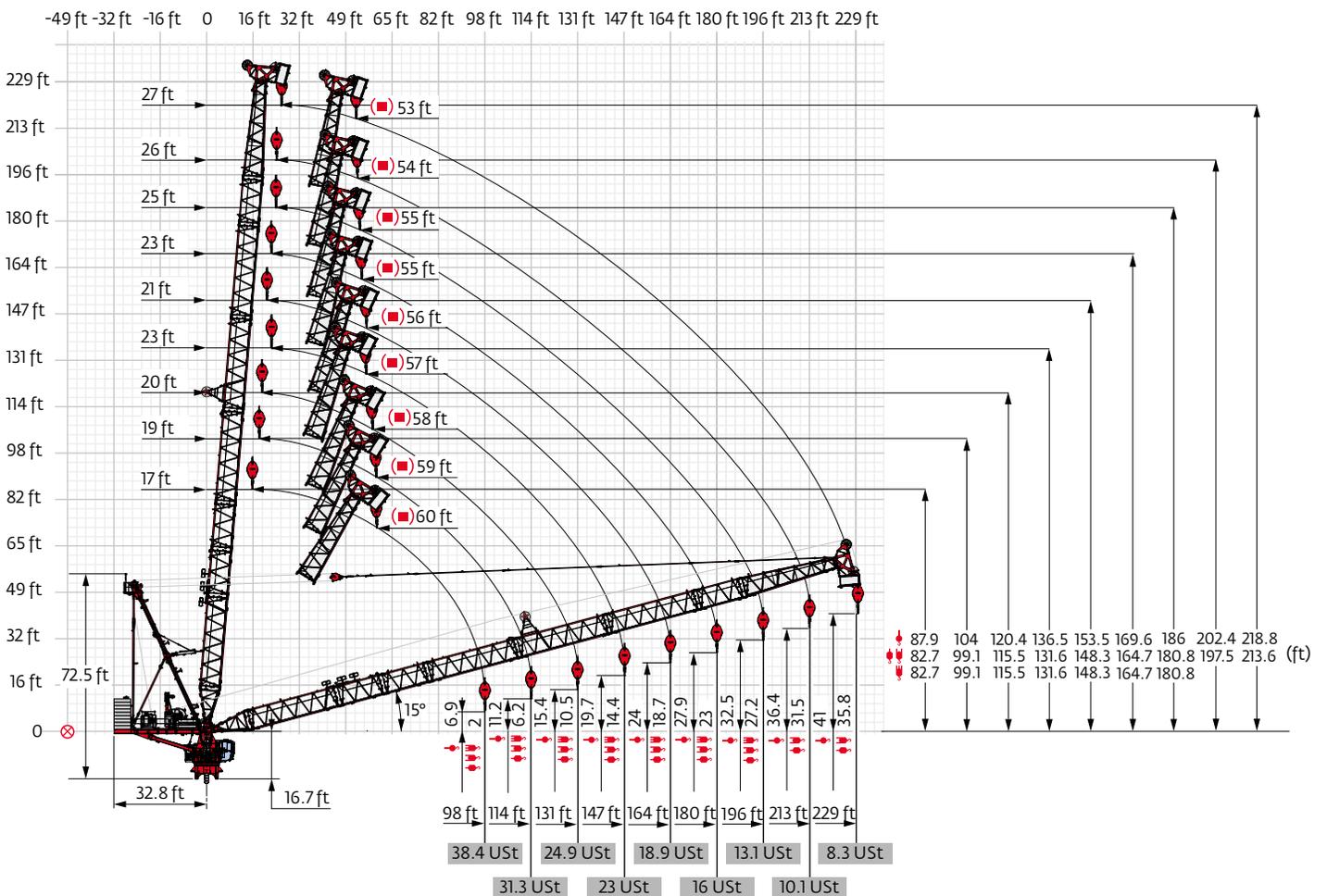
CDP - 17,857 lb



(lb)

- 1B / 2B = 3B - 1,918 lb
- SB = 3B - 3,880 lb

Luffing jib



Load curves

 SB

 (ft)	55	65	72	82	88	98	102	105	114	118	121	131	134	147	150	164	166	180	182	196	198	213	229	ft	
 23.1 USt																									
229	27 → 125	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	21.9	-	18.7	-	15.9	-	13.5	-	11.3	-	9.4	7.7	USt
	27 → 125	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	22	-	18.9	-	16.2	-	13.9	-	11.8	-	10	8.3	USt P+
213	26 → 132	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	19.7	-	16.6	-	13.9	-	11.5	-	9.4	USt	
	26 → 132	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	19.9	-	17	-	14.4	-	12.1	-	10.1	USt P+	
196	25 → 138	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	21.1	-	17.7	-	14.8	-	12.3	12.1	USt		
	25 → 138	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	21.3	-	18.1	-	15.4	-	13.1	12.9	USt P+		
180	23 → 143	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	22	-	18.3	-	15.2	14.9	USt				
	23 → 143	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	22.2	-	18.9	-	16	15.8	USt P+				
164	21 → 142	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	21.9	-	18.1	17.6	USt						
	21 → 142	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	22.1	-	18.9	18.5	USt P+						
147	23 → 146	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	22.8	22	USt								
	23 → 146	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	23	22.8	USt P+								
131	20 → 134	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	23.1	USt										
	20 → 134	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	23.1	USt P+										
114	19 → 118	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	23.1	USt													
	19 → 118	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	23.1	USt P+													
98	17 → 102	23.1	23.1	23.1	23.1	23.1	23.1	USt																	
	17 → 102	23.1	23.1	23.1	23.1	23.1	23.1	USt P+																	

 1B

 (ft)	55	65	72	82	88	98	102	105	114	118	121	131	134	147	150	164	166	180	182	196	198	213	229	ft	
 23.1 USt																									
229	27 → 121	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	20.9	-	17.7	-	14.9	-	12.5	-	10.3	-	8.5	6.7	USt
	27 → 123	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	21.4	-	18.2	-	15.4	-	13	-	10.9	-	9	7.3	USt P+
213	26 → 128	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	22.5	-	18.7	-	15.6	-	12.9	-	10.5	-	8.4	USt	
	26 → 131	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	19.4	-	16.2	-	13.6	-	11.2	-	9.1	USt P+	
196	25 → 135	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	20.1	-	16.7	-	13.8	-	11.3	11.1	USt		
	25 → 138	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	20.9	-	17.5	-	14.6	-	12.1	11.9	USt P+		
180	23 → 139	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	21	-	17.3	-	14.2	13.9	USt				
	23 → 143	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	22	-	18.3	-	15.1	14.8	USt P+				
164	21 → 139	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	20.9	-	17.1	16.6	USt						
	21 → 142	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	21.8	-	18	17.5	USt P+						
147	23 → 142	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	21.8	21.1	USt								
	23 → 145	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	-	22.6	21.8	USt P+								
131	20 → 134	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	23.1	USt										
	20 → 134	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	-	23.1	23.1	23.1	USt P+										
114	19 → 118	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	23.1	USt													
	19 → 118	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	23.1	USt P+													
98	17 → 102	23.1	23.1	23.1	23.1	23.1	23.1	USt																	
	17 → 102	23.1	23.1	23.1	23.1	23.1	23.1	USt P+																	

2B

↙ (ft)		55	65	72	82	88	98	100	105	114	115	121	131	147	163	164	179	180	195	196	210	213	226	ft
	46.3 USt																							
229	25 → 78	35.3	35.3	35.3	34	31.5	28.2	-	26.2	23.6	-	21.9	19.7	16.4	-	13.7	-	11.2	-	9.1	-	7.2	5.8	USt
	25 → 78	35.3	35.3	35.3	34	31.6	28.5	-	26.5	23.9	-	22.3	20.1	16.9	-	14.2	-	11.8	-	9.7	-	7.8	6.3	USt P+
213	24 → 68	46.3	46.3	44.2	38.8	35.6	31.5	-	29.1	25.8	-	23.9	21.2	17.5	-	14.3	-	11.6	-	9.3	7.5	USt		
	24 → 68	46.3	46.3	44.3	39.1	36	32	-	29.6	26.4	-	24.5	21.9	18.1	-	15	-	12.3	-	10	8.1	USt P+		
196	23 → 75	46.3	46.3	46.3	42.3	38.8	34.1	-	31.4	27.9	-	25.7	22.9	18.8	-	15.4	-	12.6	10.3	USt				
	23 → 76	46.3	46.3	46.3	42.8	39.3	34.8	-	32.1	28.6	-	26.5	23.7	19.6	-	16.2	-	13.4	11.1	USt P+				
180	21 → 82	46.3	46.3	46.3	46.3	42.6	37.1	-	34	29.9	-	27.4	24.2	19.8	-	16.1	13.1	USt						
	21 → 84	46.3	46.3	46.3	46.3	43.5	38	-	34.9	30.8	-	28.4	25.2	20.7	-	17	14	USt P+						
164	19 → 83	46.3	46.3	46.3	46.3	43	37.3	-	34.1	29.8	-	27.4	24.1	19.6	16	USt								
	19 → 84	46.3	46.3	46.3	46.3	43.8	38.2	-	35	30.8	-	28.3	25.1	20.5	16.9	USt P+								
147	21 → 85	46.3	46.3	46.3	46.3	44.5	38.7	-	35.4	31.1	-	28.5	25.2	20.5	USt									
	21 → 86	46.3	46.3	46.3	46.3	45.2	39.4	-	36.1	31.8	-	29.3	26	21.3	USt P+									
131	18 → 85	46.3	46.3	46.3	46.3	43.8	38	-	34.6	30.3	-	27.8	24.4	USt										
	18 → 85	46.3	46.3	46.3	46.3	44.2	38.4	-	35.1	30.8	-	28.2	24.9	USt P+										
114	17 → 86	46.3	46.3	46.3	46.3	44.7	39	-	35.7	31.3	30.9	USt												
	17 → 86	46.3	46.3	46.3	46.3	44.7	39	-	35.7	31.3	30.9	USt P+												
98	15 → 85	46.3	46.3	46.3	46.3	44.2	38.4	37.5	USt															
	15 → 85	46.3	46.3	46.3	46.3	44.2	38.4	37.5	USt P+															

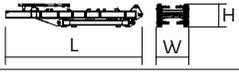
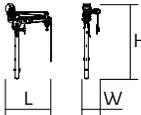
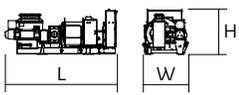
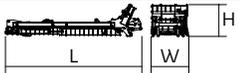
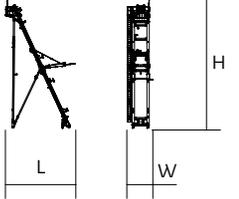
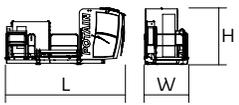
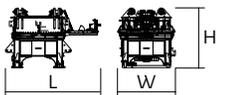
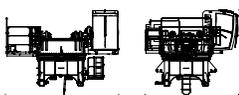
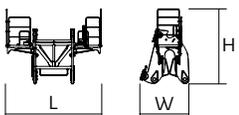
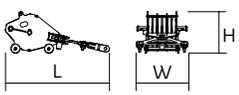
3B

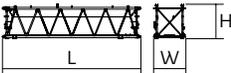
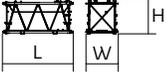
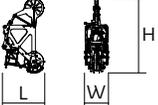
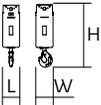
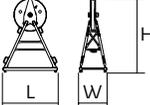
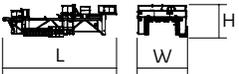
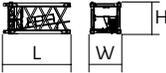
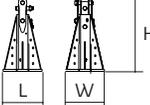
↙ (ft)		55	65	72	82	88	98	101	105	114	117	121	131	132	137	147	148	154	164	170	180	187	196	ft
	70.5 USt																							
196	24 → 64	52.9	51.6	46.7	40.5	36.9	32.3	-	29.6	26	-	23.8	21	-	19.3	16.9	-	15.5	13.6	12.3	10.7	9.6	8.2	USt
	24 → 64	52.9	51.6	46.9	40.9	37.4	32.9	-	30.2	26.7	-	24.6	21.8	-	20.1	17.7	-	16.3	14.3	13.1	11.5	10.4	8.9	USt P+
180	22 → 55	70.5	59	52.8	45.1	40.8	35.3	-	32.1	28	-	25.6	22.4	-	20.5	17.9	-	16.3	14.2	12.9	11	USt		
	22 → 55	70.5	59.4	53.3	45.8	41.6	36.2	-	33	28.9	-	26.5	23.3	-	21.4	18.8	-	17.3	15.1	13.8	11.9	USt P+		
164	20 → 57	70.5	60.4	53.7	45.6	41.1	35.4	-	32.2	28	-	25.5	22.3	-	20.3	17.7	-	16.1	14	USt				
	20 → 57	70.5	60.7	54.3	46.4	41.9	36.3	-	33.1	28.9	-	26.5	23.2	-	21.3	18.6	-	17	14.8	USt P+				
147	22 → 59	70.5	62.4	55.6	47.3	42.7	36.8	-	33.5	29.2	-	26.7	23.3	-	21.3	18.6	18.3	USt						
	22 → 59	70.5	62.6	56	47.9	43.3	37.6	-	34.3	30	-	27.5	24.1	-	22.1	19.4	19.1	USt P+						
131	18 → 59	70.5	62.1	55.1	46.6	42	36.1	-	32.8	28.5	-	25.9	22.6	22	USt									
	18 → 59	70.5	62.3	55.4	47	42.4	36.5	-	33.2	28.9	-	26.4	23	22.4	USt P+									
114	18 → 59	70.5	62.5	55.7	47.5	42.9	37.1	-	33.8	29.5	28.5	USt												
	18 → 59	70.5	62.5	55.7	47.5	42.9	37.1	-	33.8	29.5	28.5	USt P+												
98	15 → 59	70.5	62.3	55.4	47	42.4	36.5	35	USt															
	15 → 59	70.5	62.3	55.4	47	42.4	36.5	35	USt P+															

Dimensions and weight

Slewing crane part:  229 ft -  1B /  2B /  3B -  320 LVF



Slewing crane part		L (ft)	W (ft)	H (ft)	lb (+/- 5%)	
Counter-jib		150 VVF	31.6	23.2	10.9	47,455
			31.6	8.2	5.3	24,030
Derrick + auxiliary winch			8.9	3.5	14.4	1,841
Luffing winch (+ rope)		150 VVF	14.9	6.1	6.1	16,854
Hoisting winch (+ rope)		320 LVF	18.8	8.1	6.9	38,140
Strut			30	8	6.6	16,887
			28.4	7.9	5.4	9,039
			28.2	11.1	53	32,628
Cab		Ultra View	17.3	6.4	8.2	4,101
Towerhead		8 ft	16.2	9.8	10.1	47,069
			20.8	17.3	14	52,437
						
Cathead			15.9	7.9	12.5	12,037
Luffing pulley block			7.6	3.8	3.2	2,723

			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Jib section		①	17	7.4	8	6,041
		②	33.5	7.6	8	7,011
		⑤	33.5	7.4	8.3	6,967
		⑥	33.5	7.4	8.3	6,570
		⑦	33.5	7.4	8.3	6,118
		③	17.1	7.4	8.3	4,740
		④	17.1	7.4	8.3	3,880
		⑧	17.1	7.4	8.3	3,461
		⑨	34.8	7.4	8.1	8,102
		1B/2B 3B	3.9 3.9	2 2	11.5 11.5	3,946 5,864
		SB	1.3	1.3	4.8	1,984
Jib nose inspection platform			7.4	2.5	4.4	364
Sheave bracket (hoisting)			5.9	3	8.2	1,102
<b>Crane tower</b>						
T 880			36.8	16.4	10.5	28,488
		□ 8 ft	33.2	16.4	14.1	16,903
			9	3.3	6.3	2,793
KM 880.10A KMT 880.10A		□ 8 ft	17.8 17.8	8.3 8.3	8.3 8.6	18,453 19,180
Fixing angles		P 880A	3.3	3.3	6.2	3,536

Mechanisms

480 V - 60 Hz			SB					2B					3B					hp	kW	
	<b>320 LVF 213 Optima</b>	fpm	213	269	367	541	600	108	138	190	276	302	72	92	125	187	200	320	240	2,749 ft
		USt	23.1	17.4	11.6	5.8	3.9	46.3	34.7	23.1	11.6	8.4	70.5	52.9	35.3	17.6	13.4			
	<b>150 VVF 90</b>		2 min 20 s					2 min 20 s					3 min 20 s					150	110	
	<b>RVF 174 Optima+</b>	rpm	0 → 0.7														4 x 10	4 x 7.5		
			i																	

IEC 60204-32	kVA	
480 V (+6% -10%) 60 Hz	320 LVF + 150 VVF: 414 → 226 kVA	

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
- Options
- Potain Plus function: Plus load curves
- Hook heights with Plus load curves
- Reactions in service
- Reactions out of service
- Jib weight
- Total ballast weight
- Jib articulation axis
- Weather vaning position
- Lorry 44 ft
- Container High Cube 40 ft, and/or Flat Rack 20 ft
- Hoisting
- Luffing
- Slewing
- Travelling
- Required power
- Power Control Function: winch speeds adapted to the available power
- Consult us

This commercial document is not legally binding. For any technical information, please refer to the corresponding instructions.

