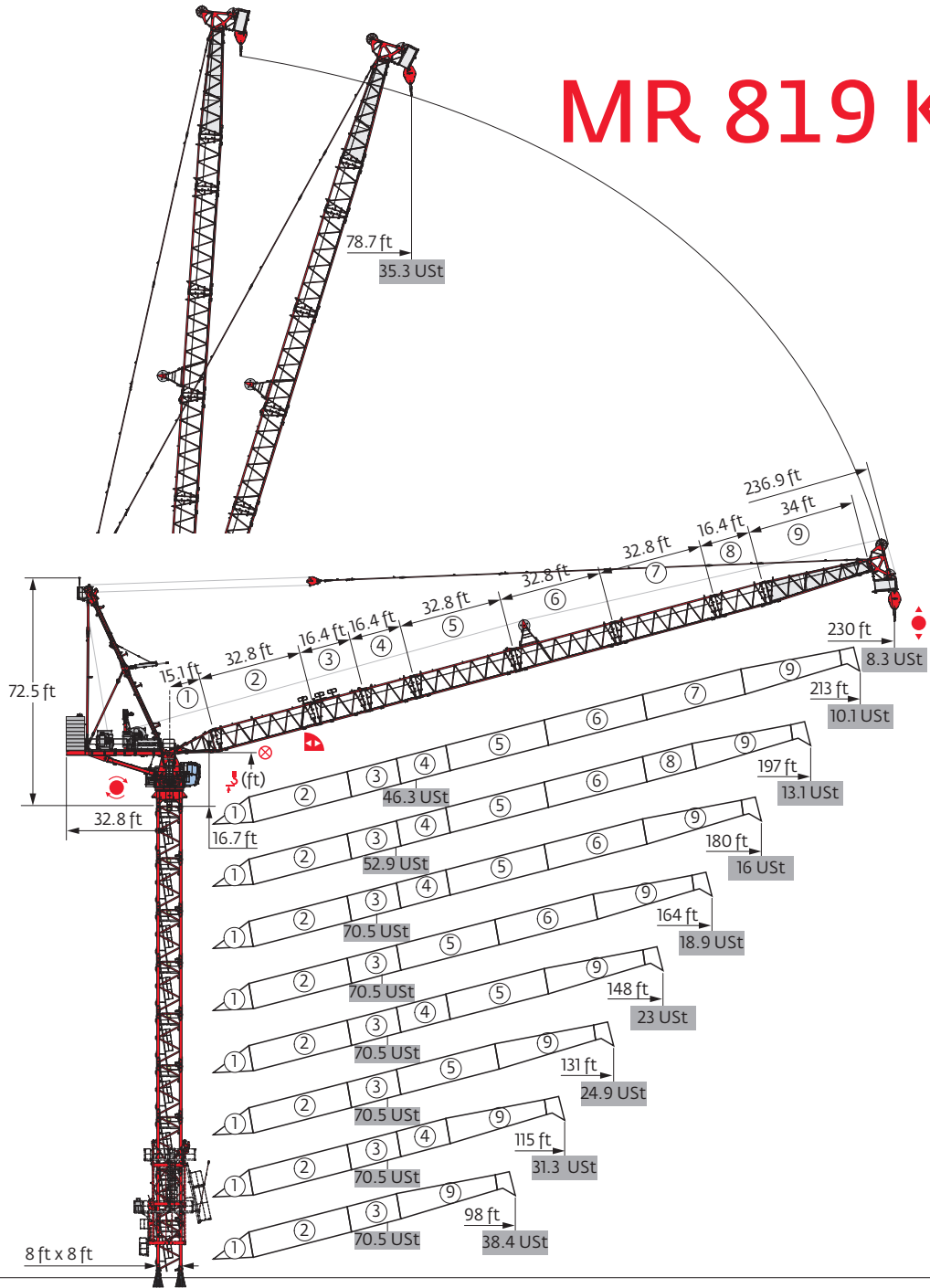


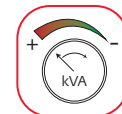
## MR 819 K64



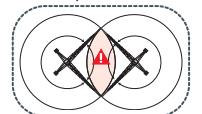
Potain Plus



Power Control

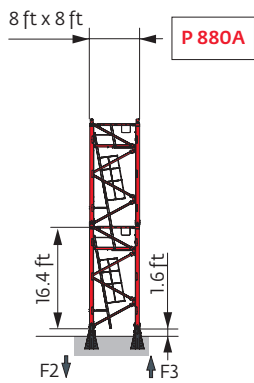


Anti-collision systems



Mast - Reactions

8 ft - P 880A										
Height (ft)	98	115	131	148	164	180	197	213	230	
Height (ft)	215.2	215.2	215.2	215.2	215.2	198.8	198.8	198.8	198.8	
Height/P (ft)	215.2	215.2	215.2	198.8	198.8	198.8	198.8	198.8	198.8	
Base	16.4 ft	12	12	12	12	11	11	11	11	
F2 (Ust)	●	563	560	580	603	607	567	570	576	580
	■	562	588	625	666	702	644	683	708	750
F3 (Ust)	●	386	378	397	419	422	382	418	425	429
	■	421	441	477	517	553	493	532	557	598



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.






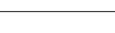





**i** Other mast compositions - Please consult us.

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

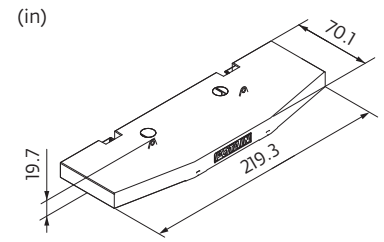
Anchorage

**i**






Jib weight & counter-jib ballast

	 (lb) (+/- 5%)			 (lb)
		 / 		
	 3B		17,857 lb	
230 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
197 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
148 ft	53,605	21,782 / 31,824	8	142,860
131 ft	49,725	21,782 / 27,944	8	142,860
115 ft	46,760	21,914 / 24,846	8	142,860
98 ft	43,034	22,046 / 20,988	7	125,002

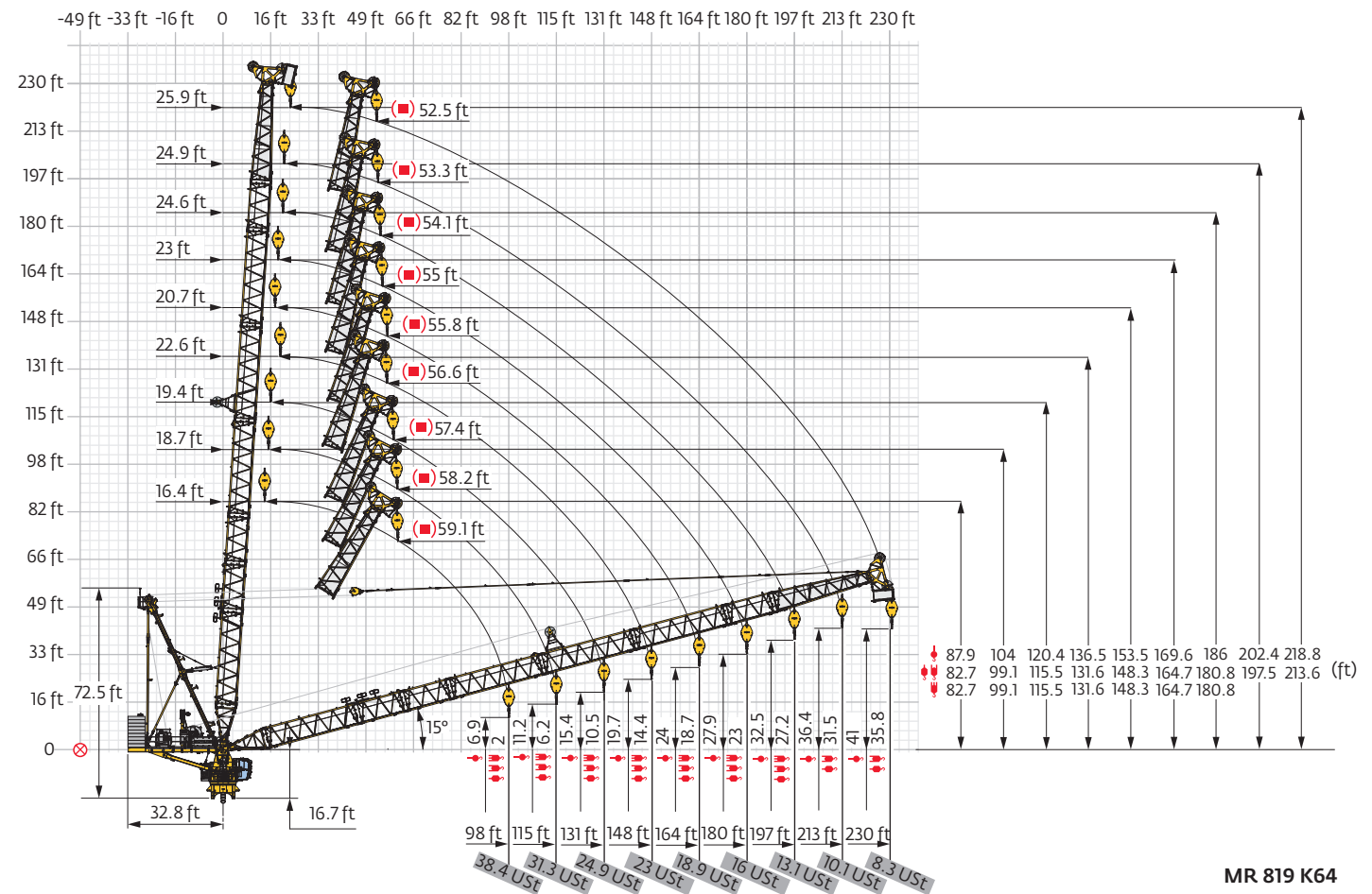
CDP - 17,857 lb



 (lb)



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

Luffing jib





Load curves

 SB


 (ft)	56	66	72	82	89	98	102.9	115	118.7	131	134.6	148	150.4	164	166.3	180	182.1	197	198	213	213.8	229.7	ft	
 23.1 USt																								
230	25.9 → 125.8	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
	25.9 → 125.8	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 <b>P+</b>
213	24.9 → 132.6	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	9.4	USt	
	24.9 → 132.6	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	10	USt <b>P+</b>	
197	24.6 → 138.9	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			
	24.6 → 138.9	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 <b>P+</b>			
180	23 → 143.2	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 → 143.2	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	-	22.2	-	18.9	-	16	15.8	USt <b>P+</b>					
164	20.7 → 142.7	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	-	21.9	-	18.1	17.6	USt							
	20.7 → 142.7	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	-	22.1	-	18.9	18.5	USt <b>P+</b>							
148	22.6 → 146.3	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	-	22.8	22	USt									
	22.6 → 146.3	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	-	23	22.8	USt <b>P+</b>									
131	19.4 → 134.6	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	23.1	USt											
	19.4 → 134.6	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	23.1	USt <b>P+</b>											
115	18.7 → 118.7	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	USt													
	18.7 → 118.7	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	USt <b>P+</b>													
98	16.4 → 102.9	23.1	23.1	23.1	23.1	23.1	23.1	USt																
	16.4 → 102.9	23.1	23.1	23.1	23.1	23.1	23.1	USt <b>P+</b>																

 1B


 (ft)	56	66	72	82	89	98	102.9	115	118.7	131	134.6	148	150.4	164	166.3	180	182.1	197	198	213	213.8	229.7	ft	
 23.1 USt																								
230	25.9 → 121.5	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
	25.9 → 123.2	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 <b>P+</b>
213	24.9 → 128.7	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	8.4	USt	
	24.9 → 131.2	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	9	USt <b>P+</b>	
197	24.6 → 135	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			
	24.6 → 138.1	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 <b>P+</b>			
180	23 → 139.5	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 → 143.1	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	-	22	-	18.3	-	15.1	14.8	USt <b>P+</b>					
164	20.7 → 139.1	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	-	20.9	-	17.1	16.6	USt							
	20.7 → 142.5	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	-	21.8	-	18	17.5	USt <b>P+</b>							
148	22.6 → 142.6	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	-	21.8	21.1	USt									
	22.6 → 145.4	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	-	22.6	21.8	USt <b>P+</b>									
131	19.4 → 134.6	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	23.1	USt											
	19.4 → 134.6	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	-	23.1	23.1	USt <b>P+</b>											
115	18.7 → 118.7	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	USt													
	18.7 → 118.7	23.1	23.1	23.1	23.1	23.1	23.1	-	23.1	23.1	USt <b>P+</b>													
98	16.4 → 102.9	23.1	23.1	23.1	23.1	23.1	23.1	USt																
	16.4 → 102.9	23.1	23.1	23.1	23.1	23.1	23.1	USt <b>P+</b>																








2B

↙ (ft)		56	66	72	82	89	98	100	105	115	115.9	131	131.7	147.6	163.4	164	179.3	180	195.1	197	210.9	213	226.8	ft	
	46.3 USt																								
230	24 → 78.7	35.3	35.3	35.3	34	31.5	28.2	-	26.2	23.6	-	19.7	-	16.4	-	13.7	-	11.2	-	9.1	-	7.2	5.8	USt	
	24 → 78.7	35.3	35.3	35.3	34	31.6	28.5	-	26.5	23.9	-	20.1	-	16.9	-	14.2	-	11.8	-	9.7	-	7.8	6.3	USt P+	
213	23 → 68.9	46.3	46.3	44.2	38.8	35.6	31.5	-	29.1	25.8	-	21.2	-	17.5	-	14.3	-	11.6	-	9.3	7.5	USt			
	23 → 68.9	46.3	46.3	44.3	39.1	36	32	-	29.6	26.4	-	21.9	-	18.1	-	15	-	12.3	-	10	8.1	USt P+			
197	22.6 → 75.5	46.3	46.3	46.3	42.3	38.8	34.1	-	31.4	27.9	-	22.9	-	18.8	-	15.4	-	12.6	10.3	USt					
	22.6 → 76	46.3	46.3	46.3	42.8	39.3	34.8	-	32.1	28.6	-	23.7	-	19.6	-	16.2	-	13.4	11.1	USt P+					
180	21 → 82.9	46.3	46.3	46.3	46.3	42.6	37.1	-	34	29.9	-	24.2	-	19.8	-	16.1	13.1	USt							
	21 → 84.1	46.3	46.3	46.3	46.3	43.5	38	-	34.9	30.8	-	25.2	-	20.7	-	17	14	USt P+							
164	18.7 → 83.6	46.3	46.3	46.3	46.3	43	37.3	-	34.1	29.8	-	24.1	-	19.6	16	USt									
	18.7 → 84.7	46.3	46.3	46.3	46.3	43.8	38.2	-	35	30.8	-	25.1	-	20.5	16.9	USt P+									
148	20.7 → 85.9	46.3	46.3	46.3	46.3	44.5	38.7	-	35.4	31.1	-	25.2	-	20.5	USt										
	20.7 → 86.9	46.3	46.3	46.3	46.3	45.2	39.4	-	36.1	31.8	-	26	-	21.3	USt P+										
131	17.4 → 85	46.3	46.3	46.3	46.3	43.8	38	-	34.6	30.3	-	24.4	24.3	USt											
	17.4 → 85.5	46.3	46.3	46.3	46.3	44.2	38.4	-	35.1	30.8	-	24.9	24.7	USt P+											
115	16.4 → 86.3	46.3	46.3	46.3	46.3	44.7	39	-	35.7	31.3	30.9	USt													
	16.4 → 86.3	46.3	46.3	46.3	46.3	44.7	39	-	35.7	31.3	30.9	USt P+													
98	14.4 → 85.6	46.3	46.3	46.3	46.3	44.2	38.4	37.5	USt																
	14.4 → 85.6	46.3	46.3	46.3	46.3	44.2	38.4	37.5	USt P+																



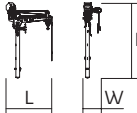
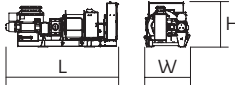
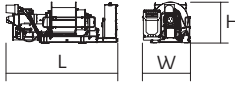

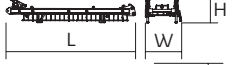
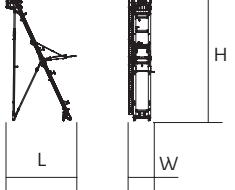

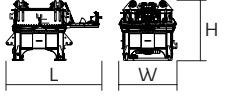
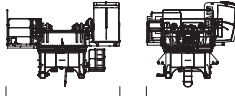

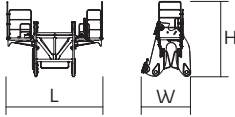
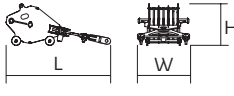
3B


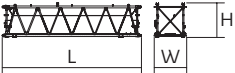
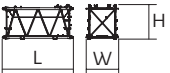

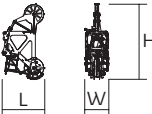
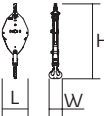
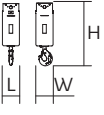

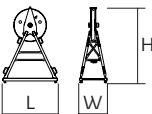
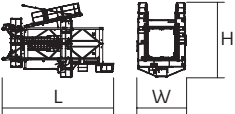
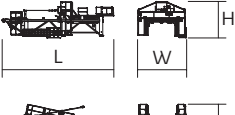


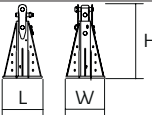
↙ (ft)		56	66	72	82	89	98	101.2	105	115	117.1	121	131	132.9	138	148	148.8	154	164	164.6	171	180.4	196.3	ft	
	70.5 USt																								
197	23 → 64	52.9	51.6	46.7	40.5	36.9	32.3	-	29.6	26	-	23.8	21	-	19.3	16.9	-	15.5	13.6	-	12.3	10.7	8.2	USt	
	23 → 64	52.9	51.6	46.9	40.9	37.4	32.9	-	30.2	26.7	-	24.6	21.8	-	20.1	17.7	-	16.3	14.3	-	13.1	11.5	8.9	USt P+	
180	21.3 → 55.8	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		
	21.3 → 55.8	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	19 → 57.4	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	13.8	USt				
	19 → 57.4	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	14.7	USt P+				
148	21 → 59.1	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							
	21 → 59.1	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	17.7 → 59.1	70.5	62.1	55.1	46.6	42	36.1	-	32.8	28.5	-	25.9	22.6	22	USt										
	17.7 → 59.1	70.5	62.3	55.4	47	42.4	36.5	-	33.2	28.9	-	26.4	23	22.4	USt P+										
115	17.1 → 59.1	70.5	62.5	55.7	47.5	42.9	37.1	-	33.8	29.5	28.5	USt													
	17.1 → 59.1	70.5	62.5	55.7	47.5	42.9	37.1	-	33.8	29.5	28.5	USt P+													
98	14.8 → 59.1	70.5	62.3	55.4	47	42.4	36.5	35	USt																
	14.8 → 59.1	70.5	62.3	55.4	47	42.4	36.5	35	USt P+																

Dimensions and weight

Slewing crane part:  230 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	
				8.6	4.4	13.7	5,203
		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	26.2	46,771	
		∇ 8 ft	36.8	16	13.5	28,285	
				33.2	16	14.1	16,887
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
- Weathering 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.

