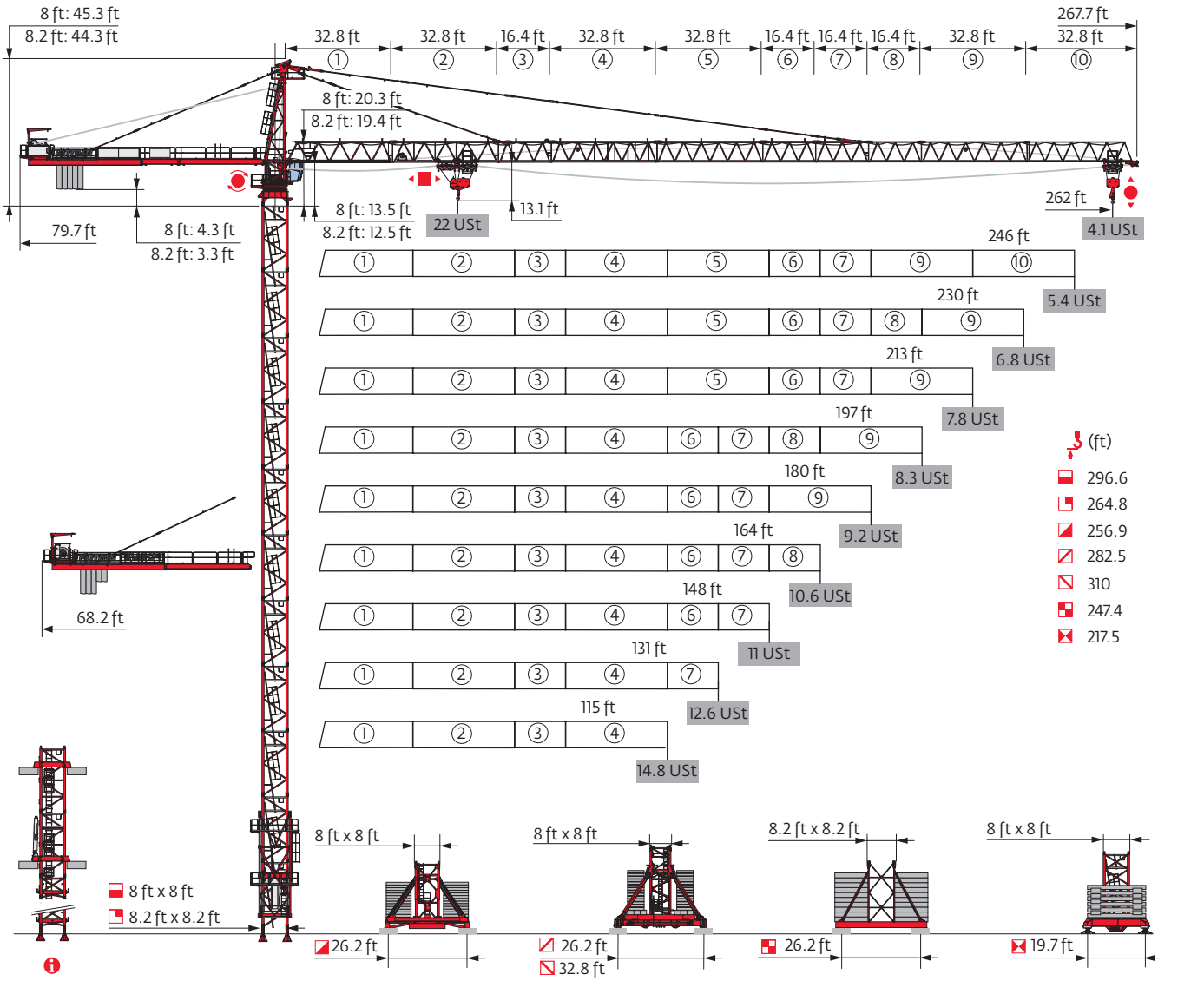
POTAIN®
by Manitowoc

MD 509 M20



Potain Plus | Power Control | Top Site | Top Tracing 3 | CabLIFT | TCL

ASCE 7-10

Values have been rounded.

Mast - Reactions

⌀ 8 ft - P 802B

(ft)	115	131	148	164	180	197	213	230	246	262
(ft)	247.4	247.4	247.4	247.4	247.4	241.8	241.8	241.8	236.2	219.8
/P+ (ft)	247.4	247.4	247.4	247.4	247.4	241.8	241.8	241.8	236.2	219.8
10.9 ft	0	0	0	0	0	1	1	1	2	2
16.4 ft	15	15	15	15	15	14	14	14	13	12
F2 (USt) ●	249	256	256	252	252	251	250	252	236	224
F2 (USt) ■	394	402	405	400	405	396	393	399	390	338
F3 (USt) ●	176	179	177	171	173	170	167	167	153	141
F3 (USt) ■	333	336	338	330	338	327	321	326	318	265

⌀ 8 ft - Y 800B -

(ft)	115	131	148	164	180	197	213	230	246	262
(ft)	256.9	251.3	251.3	256.9	251.3	251.3	251.3	251.3	246.1	234.9
/P+ (ft)	256.9	251.3	251.3	256.9	251.3	251.3	251.3	251.3	246.1	234.9
10.9 ft	2	0	0	2	0	0	0	0	1	0
16.4 ft	13	14	14	13	14	14	14	14	13	13
F1 (USt) ●	159	153	153	159	152	153	151	155	148	139
F1 (USt) ■	211	201	203	212	203	204	201	205	200	178

⌀ 8 ft - ZX 6830 -

(ft)	115	131	148	164	180	197	213	230	246	262
(ft)	217.5	211.9	211.9	217.5	211.9	211.9	217.5	211.9	211.9	211.9
/P+ (ft)	217.5	211.9	211.9	217.5	211.9	211.9	211.9	211.9	211.9	211.9
10.9 ft	0	1	1	0	1	1	0	1	1	1
16.4 ft	13	12	12	13	12	12	13	12	12	12
F1 (USt) ●	161	161	161	162	160	161	161	160	158	155
F1 (USt) ■	194	189	191	194	190	192	197	192	196	192

⌀ 8 ft - P 851A

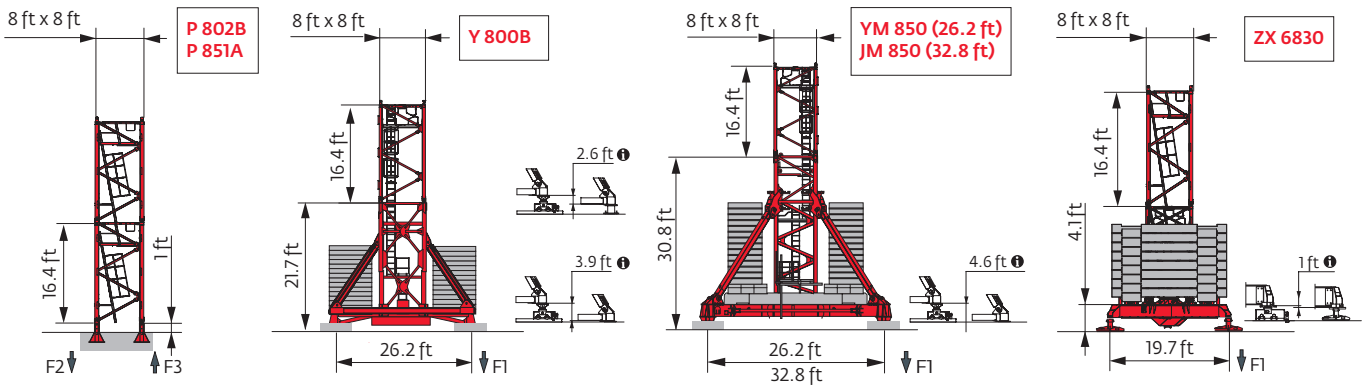
(ft)	115	131	148	164	180	197	213	230	246	262
(ft)	296.6	296.6	296.6	296.6	296.6	296.6	296.6	291	291	291
/P+ (ft)	296.6	296.6	296.6	296.6	296.6	296.6	296.6	291	291	291
10.9 ft	0	0	0	0	0	0	0	1	1	1
16.4 ft	18	18	18	18	18	18	18	17	17	17
F2 (USt) ●	299	306	306	301	303	304	304	303	298	306
F2 (USt) ■	574	582	589	580	589	592	589	581	585	584
F3 (USt) ●	215	217	216	209	212	212	209	207	204	209
F3 (USt) ■	502	505	509	499	509	511	506	496	501	497

⌀ 8 ft - YM 850 -

(ft)	115	131	148	164	180	197	213	230	246	262
(ft)	277.2	277.2	277.2	282.5	282.5	282.5	282.5	282.5	282.5	282.5
/P+ (ft)	277.2	277.2	277.2	282.5	282.5	282.5	282.5	282.5	282.5	282.5
10.9 ft	0	0	0	2	2	2	2	2	2	2
16.4 ft	15	15	15	14	14	14	14	14	14	14
F1 (USt) ●	177	177	178	184	183	184	185	186	185	189
F1 (USt) ■	246	249	251	261	265	267	264	267	270	269

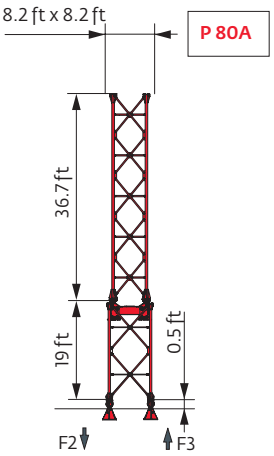
⌀ 8 ft - JM 850 -

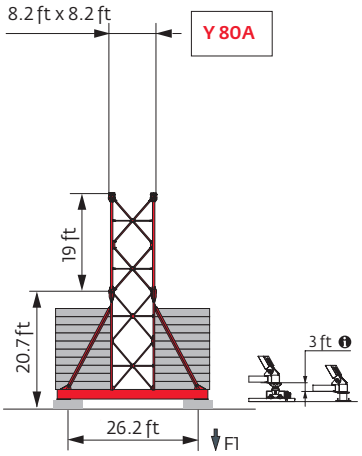
(ft)	115	131	148	164	180	197	213	230	246	262
(ft)	310	310	310	310	310	310	310	310	310	310
/P+ (ft)	310	310	310	310	310	310	310	310	310	310
10.9 ft	0	0	0	0	0	0	0	0	0	0
16.4 ft	17	17	17	17	17	17	17	17	17	17
F1 (USt) ●	167	168	168	168	167	169	170	172	170	174
F1 (USt) ■	245	249	250	247	250	251	249	252	255	254



8.2 ft - P 80A											
(ft)		115	131	148	164	180	197	213	230	246	262
(ft)		264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8
/P+ (ft)		264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8
36.7 ft		1	1	1	1	1	1	1	1	1	1
19 ft		12	12	12	12	12	12	12	12	12	12
F2 (USt)	●	227	234	233	230	230	232	231	233	228	233
	■	331	338	341	336	341	344	342	347	352	348
F3 (USt)	●	149	152	150	144	147	147	143	144	139	141
	■	264	267	269	261	269	270	265	269	273	267

8.2 ft - Y 80A -											
(ft)		115	131	148	164	180	197	213	230	246	262
(ft)		247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4
/P+ (ft)		247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4
36.7 ft		1	1	1	1	1	1	1	1	1	1
19 ft		10	10	10	10	10	10	10	10	10	10
F1 (USt)	●	123	127	127	124	126	127	125	126	123	126
	■	144	147	148	144	148	149	147	150	152	149





Motorized accesses of CabLIFT and TCL types: Adapted mast compositions, base ballast and reactions.

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.

Anchorages

Base ballast

(USt) / 8 ft - Y 800B -

(ft) \ (ft)	115	131	148	164	180	197	213	230	246	262
256.9	198.4			185.2						
251.3	185.2	172	172	158.7	172	172	158.7	172		
246.1	172	158.7	158.7	158.7	158.7	158.7	158.7	158.7	158.7	
234.9	145.5	145.5	145.5	132.3	132.3	132.3	132.3	132.3	132.3	132.3
218.5	105.8	105.8	105.8	92.6	105.8	105.8	92.6	92.6	105.8	92.6
202.1	79.4	79.4	79.4	66.1	79.4	79.4	66.1	66.1	66.1	66.1
185.7	66.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
169.3	52.9	39.7	39.7	39.7	52.9	52.9	52.9	52.9	52.9	52.9
152.9	39.7	39.7	39.7	39.7	52.9	52.9	52.9	52.9	52.9	52.9
136.5	39.7	39.7	39.7	39.7	52.9	52.9	52.9	52.9	52.9	52.9
120.1	39.7	39.7	39.7	39.7	52.9	52.9	52.9	52.9	52.9	52.9
103.7	39.7	39.7	39.7	39.7	52.9	52.9	52.9	52.9	52.9	52.9
87.3	39.7	39.7	39.7	39.7	52.9	52.9	52.9	52.9	52.9	52.9

(USt) / 8 ft - YM 850 -

(ft) \ (ft)	115	131	148	164	180	197	213	230	246	262
282.5				238.1	238.1	238.1	238.1	238.1	238.1	238.1
277.2	238.1	224.9	224.9	211.6	224.9	224.9	211.6	224.9	224.9	211.6
260.8	198.4	185.2	185.2	185.2	185.2	185.2	185.2	185.2	185.2	172
244.4	158.7	158.7	158.7	145.5	158.7	145.5	145.5	145.5	145.5	145.5
228	119.1	119.1	119.1	105.8	119.1	119.1	105.8	105.8	119.1	105.8
211.6	92.6	92.6	92.6	79.4	92.6	79.4	79.4	79.4	79.4	66.1
195.2	66.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
178.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
162.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
146	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
129.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
113.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
96.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
80.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9

(USt) / 8 ft - ZX 6830 -

(ft) \ (ft)	115	131	148	164	180	197	213	230	246	262
217.5	199.5			188.5			188.5			
211.9	188.5	188.5	188.5	177.5	188.5	188.5	177.5	177.5	188.5	177.5
195.5	144.4	144.4	144.4	133.4	144.4	144.4	144.4	144.4	144.4	155.4
179.1	133.4	133.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	133.4
162.7	122.4	122.4	122.4	111.3	122.4	122.4	122.4	122.4	122.4	122.4
146.3	111.3	111.3	111.3	100.3	122.4	122.4	122.4	122.4	122.4	122.4
129.9	111.3	111.3	100.3	100.3	111.3	111.3	111.3	111.3	111.3	111.3
113.5	111.3	111.3	100.3	100.3	111.3	111.3	111.3	111.3	111.3	111.3
97.1	111.3	111.3	100.3	100.3	111.3	111.3	111.3	111.3	111.3	111.3
80.7	111.3	111.3	100.3	100.3	111.3	111.3	111.3	111.3	111.3	111.3

(USt) / 8 ft - JM 850 -

(ft) \ (ft)	115	131	148	164	180	197	213	230	246	262
310	211.6	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4
293.6	172	172	172	158.7	172	172	158.7	158.7	172	158.7
277.2	145.5	145.5	145.5	132.3	145.5	145.5	132.3	132.3	132.3	132.3
260.8	119.1	119.1	119.1	105.8	119.1	105.8	105.8	105.8	105.8	105.8
244.4	92.6	92.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
228	66.1	66.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
211.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
195.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
178.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
162.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
146	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
129.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
113.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
96.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
80.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9

(USt) / 8.2 ft - Y 80A -

(ft) \ (ft)	115	131	148	164	180	197	213	230	246	262
247.4	105.8	105.8	105.8	92.6	105.8	105.8	92.6	92.6	92.6	92.6
228.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
209.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
190.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
171.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
152.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
133.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
114.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
95.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
76.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4

Load curves

(ft)			56	66	82	89	98	115	121	131	148	154	164	180	187	197	213	220	230	236	246	253	262	ft
	22 USt	11 USt																						
262	12 → 61	109 - 122	22	20.4	15.7	14.3	12.5	11	11	10.1	8.8	8.4	7.8	6.9	6.6	6.1	5.5	5.3	5	4.8	4.4	4.2	3.8	USt
	12 → 67	117 - 132	22	22	17.3	15.7	13.8	11.3	11	11	9.6	9.2	8.5	7.5	7.2	6.7	6	5.8	5.4	5.2	4.8	4.6	4.1	USt P+
246	12 → 67	120 - 134	22	22	17.6	16	14.1	11.6	11	11	9.9	9.4	8.7	7.7	7.4	6.9	6.2	5.9	5.6	5.4	5	USt		
	12 → 70	125 - 140	22	22	18.4	16.8	14.8	12.3	11.4	11	10.4	9.9	9.2	8.2	7.9	7.4	6.6	6.3	6	5.8	5.4	USt P+		
230	12 → 75	133 - 147	22	22	19.8	18.2	16	13.3	12.4	11.2	10.9	10.5	9.7	8.7	8.3	7.8	7	6.8	6.4	USt				
	12 → 77	138 - 153	22	22	20.5	18.8	16.7	13.9	13	11.8	11	11	10.2	9.1	8.8	8.2	7.5	7.2	6.8	USt P+				
213	12 → 76	135 - 149	22	22	20.2	18.5	16.3	13.5	12.6	11.4	11	10.6	9.9	8.8	8.5	8	7.2	USt						
	12 → 78	143 - 158	22	22	20.9	19.3	17.2	14.4	13.5	12.2	11	11	10.5	9.5	9.1	8.6	7.8	USt P+						
197	12 → 76	136 - 148	22	22	20.2	18.5	16.4	13.6	12.7	11.5	11	10.6	9.9	8.8	8.5	8	USt							
	12 → 77	139 - 153	22	22	20.6	18.9	16.7	13.9	13	11.8	11	11	10.2	9.2	8.8	8.3	USt P+							
180	12 → 77	138 - 152	22	22	20.6	18.9	16.6	13.8	12.9	11.7	11	10.9	10.1	9	USt									
	12 → 78	140 - 154	22	22	20.6	19	16.8	14	13.1	11.9	11	11	10.3	9.2	USt P+									
164	12 → 79	140 - 155	22	22	21.1	19.3	17	14.1	13.2	12	11	11	10.3	USt										
	12 → 80	143 - 158	22	22	21.3	19.5	17.3	14.4	13.5	12.3	11	11	10.6	USt P+										
148	12 → 78	139 - 148	22	22	20.9	19.1	16.8	13.9	13	11.8	11	USt												
	12 → 78	139 - 148	22	22	20.9	19.1	16.8	13.9	13	11.8	11	USt P+												
131	12 → 80		22	22	21.3	19.4	17.1	14.2	13.2	12	USt													
	12 → 80		22	22	21.3	19.4	17.1	14.2	13.2	12	USt P+													
115	12 → 80		22	22	21.3	19.5	17.2	14.2	USt															
	12 → 80		22	22	21.3	19.5	17.2	14.2	USt P+															

= - 1.67 USt max.

(ft)			56	66	82	89	98	115	121	131	148	154	164	180	187	197	213	220	230	236	246	253	262	ft
	22 USt	11 USt																						
262	9 → 63	113 - 117	22	21.1	16.3	14.9	13.1	11	10.5	9.6	8.2	7.8	7.2	6.3	6	5.6	4.9	4.7	4.4	4.2	3.9	3.6	3.3	USt
	9 → 68	122 - 126	22	22	17.9	16.4	14.4	11.9	11.1	10	9.1	8.6	7.9	6.9	6.6	6.1	5.4	5.2	4.8	4.6	4.2	4	3.5	USt P+
246	9 → 69	125 - 129	22	22	18.2	16.6	14.8	12.3	11.5	10.4	9.4	8.9	8.2	7.3	6.9	6.4	5.7	5.4	5.1	4.9	4.5	USt		
	9 → 71	131 - 135	22	22	19	17.4	15.5	12.9	12.1	11	9.9	9.4	8.7	7.7	7.4	6.9	6.2	5.9	5.5	5.3	4.9	USt P+		
230	9 → 76	139 - 143	22	22	20.4	18.8	16.7	13.9	13	11.9	10.5	10.1	9.4	8.3	7.9	7.4	6.7	6.4	6	USt				
	9 → 79	145 - 149	22	22	21.2	19.5	17.3	14.5	13.6	12.4	11	10.6	9.9	8.8	8.4	7.9	7.1	6.8	6.5	USt P+				
213	9 → 78	141 - 145	22	22	20.8	19.1	16.9	14.1	13.2	12	10.8	10.3	9.5	8.5	8.1	7.6	6.9	USt						
	9 → 80	149 - 153	22	22	21.6	20	17.8	15	14.1	12.9	11.2	10.9	10.2	9.1	8.7	8.2	7.4	USt P+						
197	9 → 78	142 - 144	22	22	20.9	19.1	17	14.2	13.3	12.1	10.7	10.3	9.5	8.5	8.1	7.6	USt							
	9 → 79	146 - 149	22	22	21.2	19.5	17.3	14.5	13.6	12.5	11	10.6	9.9	8.8	8.4	7.9	USt P+							
180	9 → 79	144 - 148	22	22	21.2	19.5	17.3	14.4	13.5	12.3	11	10.5	9.8	8.7	USt									
	9 → 79	147 - 150	22	22	21.3	19.6	17.4	14.6	13.7	12.5	11	10.7	9.9	8.9	USt P+									
164	9 → 81	146 - 151	22	22	21.7	19.9	17.6	14.7	13.8	12.6	11	10.7	10	USt										
	9 → 81	150 - 154	22	22	21.9	20.1	17.9	15	14.1	12.9	11.2	10.9	10.2	USt P+										
148	9 → 80	146 - 148	22	22	21.5	19.7	17.4	14.5	13.6	12.4	11	USt												
	9 → 80	146 - 148	22	22	21.5	19.7	17.4	14.5	13.6	12.4	11	USt P+												
131	9 → 82		22	22	21.9	20	17.7	14.8	13.8	12.6	USt													
	9 → 82		22	22	21.9	20	17.7	14.8	13.8	12.6	USt P+													
115	9 → 82		22	22	21.9	20.1	17.9	14.8	USt															
	9 → 82		22	22	21.9	20.1	17.9	14.8	USt P+															

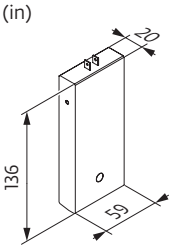
= - 0.47 USt max.

Jib weight & counter-jib ballast

	(lb) (+/- 5%)			100 LVF			180 LVF GH		
				13,228 lb	8,818 lb	(lb)	13,228 lb	8,818 lb	(lb)
262 ft	43,497	42,505	44,688	5	0	66,139	3	2	57,320
246 ft	42,097	41,105	43,288	4	1	61,729	3	1	48,502
230 ft	41,734	40,741	42,924	4	1	61,729	3	1	48,502
213 ft	40,124	39,132	41,315	3	2	57,320	2	2	44,092
197 ft	37,721	36,729	38,912	3	1	48,502	2	1	35,274
180 ft	36,123	35,131	37,313	2	2	44,092	1	2	30,865
164 ft	34,921	33,929	36,112	3	2	57,320	2	2	44,092
148 ft	33,323	32,331	34,513	3	1	48,502	2	1	35,274
131 ft	31,151	30,159	32,342	2	2	44,092	1	2	30,865
115 ft	28,671	27,679	29,862	2	1	35,274	1	1	22,046

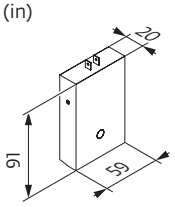
CBC - 13,228 lb

(in)



CBD - 8,818 lb

(in)

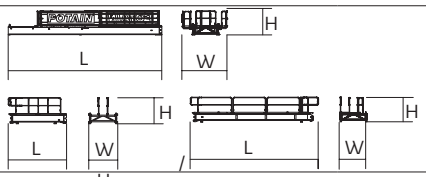
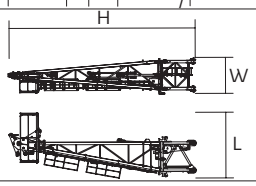
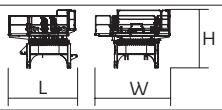
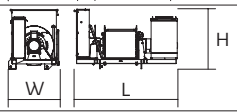
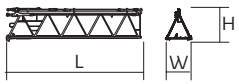
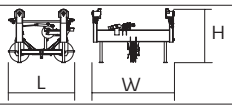
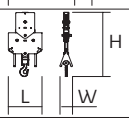
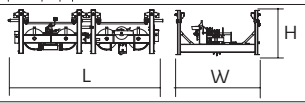
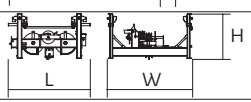
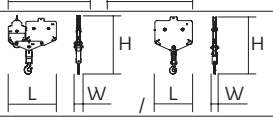


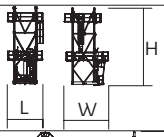
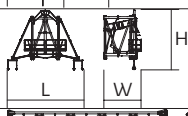
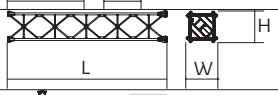
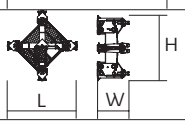
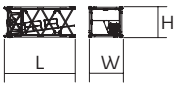
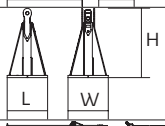
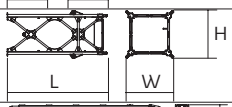
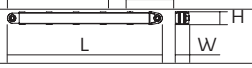
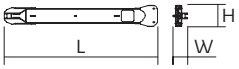
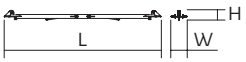
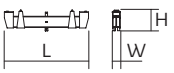
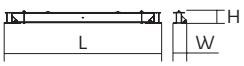
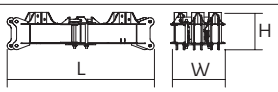
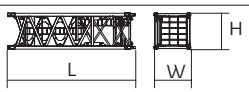
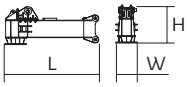
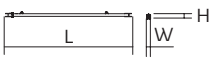
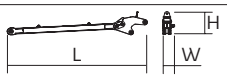
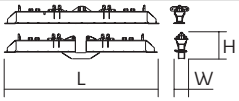
Dimensions and weight

Slewing crane part: 262 ft - - 100 LVF

x 13

x 9

Slewing crane part			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib			35.4 12.1 26.9	10.2 6.2 6.2	5.6 5.6 5.6	8,300 2,172 4,575
Cathead			13.8	7.3	38.7	16,524
Cab		Ultra View	16.5	7.3	8.2	3,704
Towerhead		8 ft 8.2 ft	12.5 12.5	14 14	9.7 8.7	20,349 18,805
Hoisting winch (+ rope)		100 LVF 180 LVF GH	10.4 14	5.2 6.6	6.2 7.7	9,822 20,349
Jib section		① ②10 DVF ④ ⑤ ⑨ ⑩	33.7 33.7 33.6 33.6 33.4 33.2	6.6 6.2 6.2 6.2 6.2 6.2	7.8 7.4 7.3 7.3 6.5 6.4	7,066 8,223 4,729 4,001 2,800 1,764
Jib section		③ ⑥ ⑦ ⑧	17.6 17.2 17.1 17.1	6.2 6.2 6.2 6.2	7.4 7.3 7.3 6.6	3,197 2,183 2,480 1,609
Trolley		22 USt	5.9	7.3	5.3	1,455
Pulley block		22 USt	3.9	1.4	7.4	1,940
Trolley		22 USt	13.5	7.2	3.8	2,635
Trolley		11 USt	7	7.2	3.8	1,422
Pulley block		22 USt 11 USt	6 3.8	1.1 0.7	7.3 5.8	1,951 981

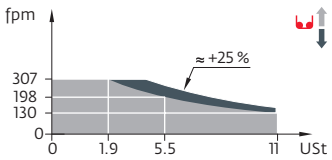
Crane tower			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Telescopic cage		⍁8 ft	15.2	19	33.6	29,200
Telescopic cage		⍁8.2 ft	24.3	12	19.1	13,669
Slider		⍁8.2 ft	36.4	6.9	6.9	15,653
Slider base		⍁8.2 ft	7.7	5.2	7.7	13,140
K 850/KR 849B KM 850-10B KRMT 849A K 849A KR 849A K 850/KR 849A KMT 850.10A KR 849C KRMT 849C		⍁8 ft	33,6 33,9 17,2 17,2 17,2 17,2 17,5 11,7 11,7	8,3 8,1 8,4 8,3 8,3 8,3 8,3 8,4 8,4	8,2 8,3 8,3 8,2 8,2 8,2 8,2 8,3 8,3	20,878 22,201 9,017 7,496 9,458 12,291 12,015 7,044 7,066
R 87 R 86 R 85		⍁8.2 ft	21 21 21	9,5 9,5 9,5	9,5 9,5 9,5	9,392 8,422 8,157
Fixing angles		P 802B P 851A P 80A	2,5 3 2,6	2,5 3 2,6	4,2 4,9 4	1,025 1,841 4,343
Basic mast unit		Y 800B Y 80A	19.8 19.7	9.6 9.8	9.6 9.8	19,004 16,314
Struts		Y 800B Y 80A	18.1 18	1.6 1.4	1.5 1.2	2,447 1,764
1/2 Side member		Y 800B Y 80A	18.6 18.4	4.1 3.8	2.4 2	3,351 2,205
Side member		Y 800B Y 80A	39.4 38.9	4.1 3.8	2.4 2	6,724 4,630
Ballast support		Y 800B Y 80A	12.3 15.3	1.2 1	3 2.2	2,392 595
Chassis beam		Y 800B Y 80A	28.5 28.2	2.7 2.3	2.4 3.8	4,938 4,409
Central cross (transport position)		YM 850 JM 850	17.1	5.6	4.9	14,771
Basic mast unit		YM 850 JM 850	28.7	8.2	8.2	32,187
Chassis girder		YM 850 JM 850	12.5 17.1	3 3	5.1 5.1	6,173 7,055
Chassis ties		YM 850 JM 850	23.6	0.8	1.1	551
Struts		YM 850 JM 850	24.6 26.9	2.5 2.5	4.3 4.3	4,630 5,071
Cross girder		ZX 6830	29.9 29.9	3.7 2.5	3.6 4.9	11,607 12,004

Mechanisms

480 V - 60 Hz											hp	kW	
	100 LVF 50 Optima	fpm	130	159	198	307	66	82	102	154	100	75	3,340 ft
		USt	11	8.3	5.5	1.9	22	16.5	11	5.5			
	180 LVF 50 GH Optima	fpm	220	267	353	536	805	112	136	182	285	404	180	132	3,937 ft
		USt	11	8.3	5.5	2.8	0.4	22	16.5	11	5.5	1.9			
	10 DVF 10	fpm	0 → 262 (22 USt) 0→ 328 (13.8 USt) 0 → 361 (6.9 USt)								10	7.4	
	RVF 173 Optima+	rpm	0 → 1								3 x 10	3 x 7.5	

IEC 60204-32	kVA
480 V (+6% -10%) 60 Hz	100 LVF: 117 → 77 kVA 180 LVF GH: 181 → 109 kVA

100 LVF 50 Optima



These mast combinations meet the EN 14439 and ASME B30.3-2012 specifications for "out of service" wind conditions, provided the illustrated wind speed matches required design wind 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-A. 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 50-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
- Total ballast weight
- Jib weight
- Lorry 44 ft
- Container High Cube 40 ft, and/or Flat Rack 20 ft
- Hoisting
- Trolleying
- Slewing
- Travelling
- Required power
- Power Control Function: winch speeds adapted to the available power
- Consult us