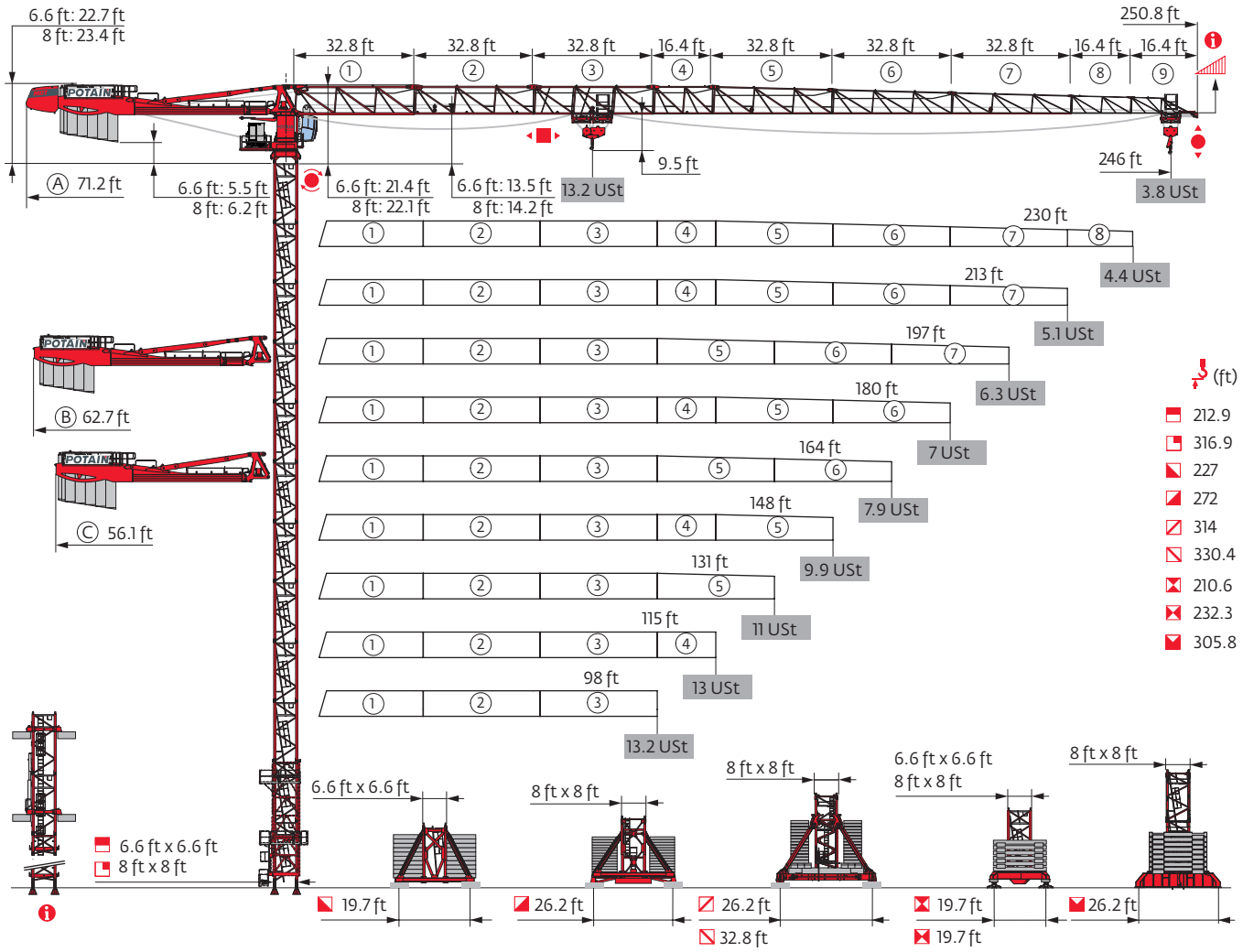
POTAIN®
by Manitowoc

MDT 389 L12



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

ASCE 7-10

Values have been rounded.

Mast - Reactions

6.6 ft - P 602B											
(ft)		98	115	131	148	164	180	197	213	230	246
(ft)		207.4	212.9	212.9	207.4	212.9	212.9	212.9	202.1	202.1	202.1
/P+ (ft)		207.4	196.5	202.1	202.1	212.9	202.1	212.9	202.1	202.1	202.1
10.9 ft		2	1	1	2	1	1	1	0	0	0
16.4 ft		11	12	12	11	12	12	12	12	12	12
F2 (USt)	●	207	220	218	212	223	217	216	219	221	223
	■	244	262	262	245	266	267	271	251	261	269
F3 (USt)	●	140	149	147	140	149	143	143	145	147	149
	■	184	198	197	180	199	200	204	184	194	201

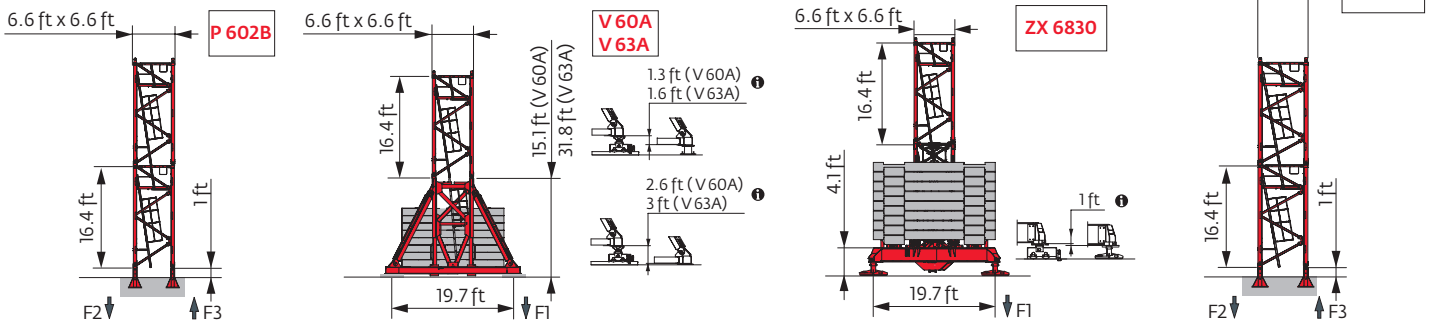
6.6 ft - V 63A -											
(ft)		98	115	131	148	164	180	197	213	230	246
(ft)		227	216.2	221.8	227	227	227	227	216.2	216.2	216.2
/P+ (ft)		227	199.8	199.8	199.8	216.2	199.8	227	216.2	216.2	216.2
10.9 ft		1	0	2	1	1	1	1	0	0	0
16.4 ft		11	11	10	11	11	11	11	11	11	11
F1 (USt)	●	130	126	128	130	131	131	130	131	132	133
	■	149	135	143	148	153	153	156	144	150	155

8 ft - P 802B											
(ft)		98	115	131	148	164	180	197	213	230	246
(ft)		267.7	267.7	267.7	262.1	262.1	262.1	262.1	251.3	251.3	251.3
/P+ (ft)		267.7	267.7	267.7	262.1	262.1	262.1	262.1	251.3	251.3	251.3
10.9 ft		0	0	0	1	1	1	1	0	0	0
16.4 ft		16	16	16	15	15	15	15	15	15	15
F2 (USt)	●	233	244	243	239	237	238	232	233	235	237
	■	398	402	403	388	394	395	398	370	378	385
F3 (USt)	●	152	161	159	153	151	152	147	148	149	151
	■	324	326	325	309	315	316	319	291	299	305

6.6 ft - V 60A -											
(ft)		98	115	131	148	164	180	197	213	230	246
(ft)		216.2	216.2	216.2	216.2	216.2	216.2	210.6	205	205	205
/P+ (ft)		216.2	199.8	199.8	199.8	216.2	199.8	210.6	205	205	205
10.9 ft		0	0	0	0	0	0	1	2	2	2
16.4 ft		12	12	12	12	12	12	11	10	10	10
F1 (USt)	●	123	126	122	123	125	123	121	124	125	126
	■	130	132	132	129	133	134	129	127	133	137

6.6 ft - ZX 6830 -											
(ft)		98	115	131	148	164	180	197	213	230	246
(ft)		205	210.6	210.6	205	205	210.6	205	194.2	194.2	194.2
/P+ (ft)		205	194.2	199.5	205	205	205	205	194.2	194.2	194.2
10.9 ft		0	2	2	0	0	2	0	2	2	2
16.4 ft		12	11	11	12	12	11	12	10	10	10
F1 (USt)	●	117	120	119	122	120	120	115	116	117	118
	■	118	124	124	118	120	126	120	114	117	121

8 ft - P 854A											
(ft)		98	115	131	148	164	180	197	213	230	246
(ft)		316.9	316.9	316.9	316.9	316.9	316.9	316.9	316.9	311.4	305.8
/P+ (ft)		316.9	316.9	316.9	316.9	316.9	316.9	316.9	316.9	311.4	305.8
10.9 ft		0	0	0	0	0	0	0	0	1	2
16.4 ft		19	19	19	19	19	19	19	19	18	17
F2 (USt)	●	290	301	300	299	298	299	293	308	305	302
	■	574	579	580	577	583	585	586	597	589	581
F3 (USt)	●	199	205	203	201	200	199	196	208	206	203
	■	489	490	489	485	492	492	496	504	496	489



8 ft - Y 800B -

(ft)	98	115	131	148	164	180	197	213	230	246
(ft)	272	272	272	272	272	272	272	260.8	260.8	260.8
/P+ (ft)	272	272	272	272	272	272	272	260.8	260.8	260.8
10.9 ft	0	0	0	0	0	0	0	2	2	2
16.4 ft	15	15	15	15	15	15	15	13	13	13
Fl (USt) ●	140	145	144	142	145	145	143	138	142	143
Fl (USt) ■	198	200	199	197	201	201	203	194	199	202

8 ft - YM 850 -

(ft)	98	115	131	148	164	180	197	213	230	246
(ft)	308.4	314	314	314	314	314	314	308.4	308.4	302.8
/P+ (ft)	308.4	314	314	314	314	314	314	308.4	308.4	302.8
10.9 ft	1	0	0	0	0	0	0	1	1	2
16.4 ft	16	17	17	17	17	17	17	16	16	15
Fl (USt) ●	177	184	184	184	183	184	182	185	186	185
Fl (USt) ■	266	275	275	273	277	277	279	276	280	277

8 ft - JM 850 -

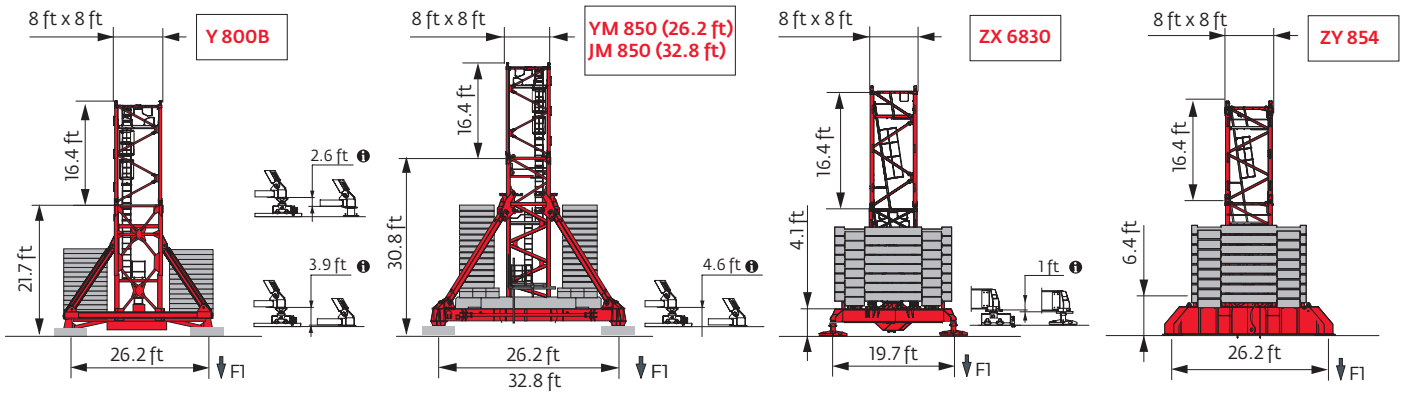
(ft)	98	115	131	148	164	180	197	213	230	246
(ft)	330.4	330.4	330.4	330.4	330.4	324.8	324.8	319.2	319.2	314
/P+ (ft)	330.4	330.4	330.4	330.4	330.4	324.8	324.8	319.2	319.2	314
10.9 ft	0	0	0	0	0	1	1	2	2	0
16.4 ft	18	18	18	18	18	17	17	16	16	17
Fl (USt) ●	161	166	166	166	166	162	160	162	163	154
Fl (USt) ■	252	253	253	252	255	249	250	247	251	233

8 ft - ZX 6830 -

(ft)	98	115	131	148	164	180	197	213	230	246
(ft)	232.3	232.3	232.3	232.3	232.3	232.3	227	227	221.5	221.5
/P+ (ft)	232.3	232.3	232.3	232.3	232.3	232.3	227	227	221.5	221.5
10.9 ft	1	1	1	1	1	1	2	2	0	0
16.4 ft	13	13	13	13	13	13	12	12	13	13
Fl (USt) ●	142	147	147	145	147	148	141	146	143	144
Fl (USt) ■	188	190	189	186	191	192	186	191	183	188

8 ft - ZY 854 -

(ft)	98	115	131	148	164	180	197	213	230	246
(ft)	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	300.2	295
/P+ (ft)	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	300.2	295
10.9 ft	0	0	0	0	0	0	0	0	1	2
16.4 ft	18	18	18	18	18	18	18	18	17	16
Fl (USt) ●	188	192	192	190	193	193	192	198	197	192
Fl (USt) ■	284	283	283	282	288	289	294	298	297	292



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: adapted mast compositions, base ballast and reactions.

Anchorages

Base ballast

(USt) / 6.6 ft - V 60A -

(ft)	98	115	131	148	164	180	197	213	230	246
216.2	132.3	132.3	119.1	119.1	119.1	119.1				
210.6	132.3	119.1	119.1	119.1	119.1	119.1	119.1			
205	119.1	119.1	119.1	119.1	105.8	105.8	105.8	119.1	119.1	119.1
188.6	105.8	105.8	105.8	105.8	92.6	105.8	92.6	105.8	105.8	105.8
172.2	92.6	105.8	105.8	105.8	92.6	92.6	79.4	92.6	79.4	79.4
155.8	79.4	105.8	92.6	92.6	79.4	92.6	66.1	66.1	66.1	66.1
139.4	66.1	92.6	92.6	92.6	79.4	79.4	52.9	52.9	52.9	66.1
123	66.1	92.6	92.6	92.6	79.4	79.4	52.9	52.9	52.9	52.9

(USt) / 6.6 ft - ZX 6830 -

(ft)	98	115	131	148	164	180	197	213	230	246
210.6		111.3	111.3			111.3				
205	122.4	111.3	111.3	111.3	111.3	100.3	100.3			
194.2	111.3	111.3	100.3	100.3	100.3	100.3	89.3	100.3	100.3	100.3
177.8	89.3	100.3	100.3	100.3	89.3	89.3	78.3	89.3	89.3	89.3
161.4	78.3	100.3	89.3	89.3	78.3	89.3	67.2	67.2	67.2	67.2
145	56.2	89.3	89.3	89.3	67.2	78.3	56.2	56.2	56.2	56.2
128.6	56.2	89.3	89.3	89.3	67.2	78.3	56.2	56.2	45.2	56.2
112.2	56.2	89.3	89.3	89.3	67.2	78.3	56.2	56.2	45.2	56.2

(USt) / 8 ft - YM 850 -

(ft)	98	115	131	148	164	180	197	213	230	246
314		238.1	238.1	238.1	238.1	238.1	238.1			
308.4	238.1	238.1	238.1	224.9	224.9	224.9	238.1	238.1	238.1	
302.8	224.9	224.9	224.9	211.6	224.9	211.6	224.9	224.9	224.9	238.1
286.4	185.2	185.2	185.2	172	185.2	185.2	185.2	185.2	185.2	198.4
270	158.7	158.7	145.5	145.5	145.5	145.5	145.5	145.5	158.7	158.7
253.6	119.1	119.1	119.1	105.8	119.1	119.1	119.1	119.1	119.1	132.3
237.2	92.6	92.6	79.4	79.4	79.4	79.4	79.4	79.4	92.6	92.6
220.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	66.1	66.1
204.4 ↓	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
138.8	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)	98	115	131	148	164	180	197	213	230	246
232.3	166.5	166.5	166.5	155.4	166.5	166.5				
227	155.4	155.4	155.4	144.4	155.4	155.4	155.4	155.4		
221.5	144.4	144.4	144.4	133.4	133.4	133.4	144.4	144.4	155.4	155.4
205.1	122.4	122.4	122.4	122.4	111.3	111.3	111.3	122.4	122.4	122.4
188.7	111.3	100.3	100.3	100.3	100.3	100.3	89.3	100.3	100.3	100.3
172.2	89.3	89.3	89.3	89.3	78.3	78.3	78.3	89.3	89.3	78.3
155.8	67.2	89.3	89.3	89.3	67.2	78.3	56.2	67.2	67.2	67.2
139.4	56.2	89.3	89.3	89.3	67.2	78.3	56.2	56.2	45.2	56.2

(USt) / 6.6 ft - V 63A -

(ft)	98	115	131	148	164	180	197	213	230	246
227	145.5			132.3	132.3	132.3	132.3			
221.8	145.5		132.3	132.3	132.3	132.3	132.3			
216.2	132.3	132.3	132.3	119.1	119.1	119.1	119.1	132.3	132.3	132.3
199.8	119.1	119.1	119.1	105.8	105.8	105.8	105.8	119.1	119.1	119.1
183.4	105.8	105.8	105.8	105.8	92.6	92.6	92.6	105.8	92.6	92.6
167	92.6	105.8	105.8	92.6	79.4	92.6	79.4	79.4	79.4	79.4
150.6	66.1	92.6	92.6	92.6	79.4	79.4	52.9	66.1	66.1	66.1
134.2	52.9	92.6	92.6	92.6	66.1	79.4	52.9	52.9	52.9	66.1
117.8	52.9	92.6	92.6	92.6	66.1	79.4	52.9	52.9	52.9	52.9

(USt) / 8 ft - Y 800B -

(ft)	98	115	131	148	164	180	197	213	230	246
272	158.7	158.7	158.7	145.5	158.7	158.7	158.7			
260.8	145.5	145.5	132.3	132.3	132.3	132.3	132.3	132.3	145.5	145.5
244.4	105.8	105.8	105.8	92.6	105.8	105.8	105.8	105.8	105.8	119.1
228	79.4	79.4	79.4	66.1	66.1	66.1	79.4	79.4	79.4	92.6
211.6	52.9	52.9	52.9	52.9	39.7	39.7	39.7	52.9	52.9	52.9
195.2	39.7	39.7	39.7	39.7	26.5	26.5	26.5	39.7	39.7	39.7
178.8	26.5	26.5	26.5	26.5	26.5	13.2	13.2	26.5	26.5	26.5
162.4 ↓	13.2	26.5	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
113.2	13.2	26.5	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2

(USt) / 8 ft - JM 850 -

(ft)	98	115	131	148	164	180	197	213	230	246
330.4	198.4	198.4	198.4	198.4	198.4					
324.8	198.4	198.4	185.2	185.2	185.2	185.2	185.2			
319.2	185.2	185.2	185.2	172	185.2	172	185.2	185.2	185.2	
314	158.7	158.7	145.5	145.5	145.5	145.5	145.5	145.5	158.7	158.7
297.6	132.3	132.3	119.1	119.1	119.1	119.1	119.1	119.1	132.3	132.3
281.2	105.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	105.8	105.8
264.8	79.4	79.4	66.1	66.1	66.1	66.1	66.1	66.1	79.4	79.4
248.4 ↓	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
133.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9

(USt) / 8 ft - ZY 854 -

(ft)	98	115	131	148	164	180	197	213	230	246
305.8	238.1	238.1	238.1	224.9	238.1	238.1	238.1	238.1		
300.2	224.9	224.9	224.9	211.6	224.9	224.9	224.9	224.9	238.1	
295	211.6	211.6	211.6	198.4	211.6	211.6	211.6	224.9	224.9	224.9
278.5	172	172	172	158.7	172	172	172	172	185.2	185.2
262.1	132.3	132.3	132.3	119.1	132.3	132.3	132.3	132.3	145.5	145.5
245.7	105.8	105.8	105.8	92.6	92.6	92.6	92.6	105.8	105.8	119.1
229.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	79.4	79.4
212.9	52.9	52.9	39.7	39.7	39.7	39.7	39.7	52.9	52.9	52.9
196.5	39.7	39.7	26.5	26.5	26.5	26.5	26.5	39.7	39.7	39.7
180.1	26.5	26.5	26.5	26.5	13.2	13.2	13.2	26.5	13.2	13.2
163.7 ↓	13.2	26.5	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
130.9	13.2	26.5	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2

Load curves

(ft)			72	89	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	236	246	ft
	13.2 USt	6.6 USt																						
246	10 → 82	143 - 156	13.2	12.2	10.8	10	9	8.4	7.5	7	6.6	6.6	6.1	5.8	5.4	5.1	4.8	4.5	4.3	4.1	3.9	3.7	3.6	USt
	10 → 86	147 - 159	13.2	12.8	11.3	10.3	9.2	8.5	7.7	7.2	6.6	6.6	6.4	6.1	5.7	5.4	5	4.8	4.5	4.3	4.1	3.9	3.8	USt P+
230	10 → 87	151 - 163	13.2	12.9	11.5	10.7	9.6	8.9	8.1	7.5	6.8	6.6	6.5	6.2	5.7	5.5	5.1	4.9	4.6	4.4	4.2	USt		
	10 → 90	154 - 168	13.2	13.2	11.9	11	9.8	9.1	8.2	7.7	7	6.6	6.6	6.5	6	5.7	5.4	5.1	4.8	4.6	4.4	USt P+		
213	10 → 93	158 - 170	13.2	13.2	12.4	11.5	10.3	9.5	8.6	8	7.3	6.8	6.6	6.5	6.1	5.8	5.4	5.2	4.9	USt				
	10 → 95	161 - 174	13.2	13.2	12.7	11.6	10.3	9.6	8.7	8.1	7.4	7	6.6	6.6	6.4	6.1	5.7	5.4	5.1	USt P+				
197	10 → 95	172 - 185	13.2	13.2	12.7	11.8	10.7	10	9.1	8.6	8	7.6	7	6.7	6.6	6.5	6.2	USt						
	10 → 97	175 - 188	13.2	13.2	13	12.1	10.9	10.2	9.3	8.8	8.1	7.7	7.1	6.8	6.6	6.6	6.3	USt P+						
180	10 → 100		13.2	13.2	13.2	12.5	11.3	10.6	9.7	9.2	8.5	8.1	7.5	7.2	6.7	USt								
	10 → 108		13.2	13.2	13.2	13.2	12.3	11.4	10.4	9.7	8.9	8.4	7.8	7.4	6.9	USt P+								
164	10 → 100		13.2	13.2	13.2	12.5	11.3	10.7	9.8	9.2	8.5	8.1	7.6	USt										
	10 → 105		13.2	13.2	13.2	13.2	11.9	11.2	10.2	9.7	8.9	8.5	7.9	USt P+										
148	10 → 104		13.2	13.2	13.2	13.1	11.9	11.2	10.2	9.7	9	USt												
	10 → 114		13.2	13.2	13.2	13.2	13.1	12.3	11.3	10.7	9.9	USt P+												
131	10 → 102		13.2	13.2	13.2	12.9	11.6	10.9	10	USt														
	10 → 111		13.2	13.2	13.2	13.2	12.8	12	11	USt P+														
115	10 → 103		13.2	13.2	13.2	13	11.7	USt																
	10 → 112		13.2	13.2	13.2	13.2	12.9	USt P+																
98	10 → 98		13.2	13.2	13.2	USt																		
	10 → 98		13.2	13.2	13.2	USt P+																		

= - 0.74 USt max.

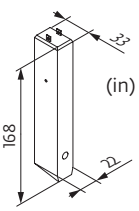
(ft)			72	89	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	236	246	ft
	13.2 USt	6.6 USt																						
246	8 → 82	144 - 148	13.2	12.2	10.9	10.1	9.1	8.4	7.6	7.1	6.6	6.2	5.6	5.3	4.9	4.6	4.3	4.1	3.8	3.6	3.4	3.3	3.1	USt
	8 → 86	148 - 150	13.2	12.9	11.3	10.4	9.3	8.6	7.8	7.2	6.6	6.4	5.9	5.6	5.2	4.9	4.6	4.3	4.1	3.9	3.6	3.5	3.3	USt P+
230	8 → 87	152 - 154	13.2	13	11.5	10.7	9.7	9	8.1	7.6	6.9	6.6	6.1	5.7	5.3	5	4.6	4.4	4.1	4	3.7	USt		
	8 → 90	155 - 158	13.2	13.2	12	11	9.9	9.1	8.3	7.7	7.1	6.7	6.3	6	5.6	5.3	4.9	4.7	4.4	4.2	4	USt P+		
213	8 → 93	159 - 161	13.2	13.2	12.4	11.5	10.3	9.6	8.6	8	7.3	6.9	6.5	6.1	5.7	5.4	5	4.8	4.5	USt				
	8 → 95	163 - 165	13.2	13.2	12.7	11.6	10.4	9.6	8.7	8.2	7.5	7.1	6.6	6.4	6	5.7	5.3	5	4.8	USt P+				
197	8 → 96	173 - 177	13.2	13.2	12.8	11.9	10.7	10.1	9.2	8.7	8	7.6	7.1	6.7	6.5	6.2	5.8	USt						
	8 → 97	176 - 180	13.2	13.2	13	12.1	10.9	10.3	9.4	8.9	8.2	7.8	7.2	6.9	6.6	6.3	6	USt P+						
180	8 → 100		13.2	13.2	13.2	12.6	11.4	10.7	9.8	9.3	8.6	8.2	7.6	7.3	6.8	USt								
	8 → 109		13.2	13.2	13.2	13.2	12.3	11.5	10.4	9.8	9	8.5	7.9	7.5	7	USt P+								
164	8 → 100		13.2	13.2	13.2	12.6	11.4	10.7	9.8	9.3	8.6	8.2	7.6	USt										
	8 → 105		13.2	13.2	13.2	13.2	12	11.3	10.3	9.7	9	8.5	7.9	USt P+										
148	8 → 105		13.2	13.2	13.2	13.2	12	11.2	10.3	9.8	9	USt												
	8 → 114		13.2	13.2	13.2	13.2	13.1	12.4	11.3	10.7	9.9	USt P+												
131	8 → 103		13.2	13.2	13.2	12.9	11.7	11	10	USt														
	8 → 112		13.2	13.2	13.2	13.2	12.9	12.1	11	USt P+														
115	8 → 104		13.2	13.2	13.2	13.1	11.8	USt																
	8 → 113		13.2	13.2	13.2	13.2	13	USt P+																
98	8 → 98		13.2	13.2	13.2	USt																		
	8 → 98		13.2	13.2	13.2	USt P+																		

= - 0.2 USt max.

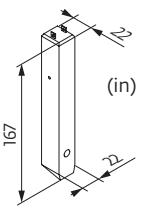
Jib weight & counter-jib ballast

	(lb) (+/- 5%)									
				10,141 lb	3,373 lb	(lb)	6,768 lb	3,373 lb	(lb)
246 ft	39,308	38,482	39,441	5	2	57,452	8	1	57,519
230 ft	38,735	37,942	38,845	5	2	57,452	8	1	57,519
213 ft	37,875	37,148	37,997	5	2	57,452	8	1	57,519
197 ft	35,605	34,943	35,737	5	1	54,079	8	0	54,146
180 ft	35,605	34,943	35,737	5	1	54,079	8	0	54,146
164 ft	33,510	32,849	33,643	5	2	57,452	8	1	57,519
148 ft	33,180	32,518	33,312	5	2	57,452	8	1	57,519
131 ft	31,350	30,688	31,482	5	0	50,706	7	1	50,750
115 ft	30,005	29,344	30,137	4	2	47,311	7	0	47,377
98 ft	28,175	27,514	28,307	4	1	43,938	6	1	43,982

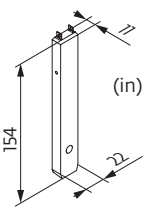
CBS - 10,141 lb



CBU - 6,768 lb



CBY - 3,373 lb

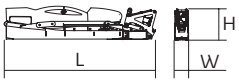
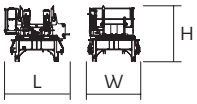
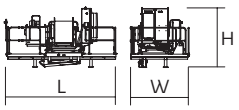
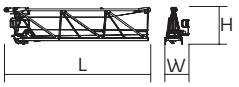
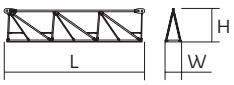
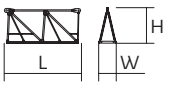
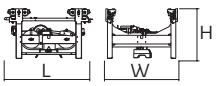
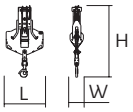
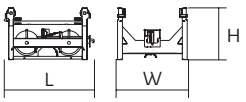
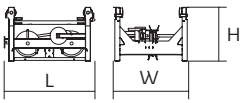
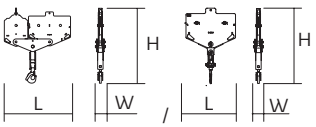
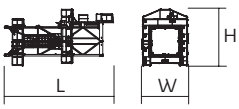
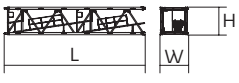


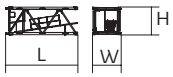
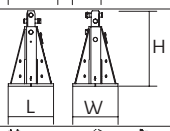
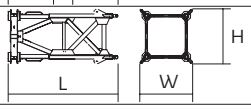
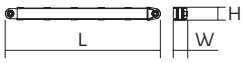
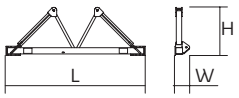
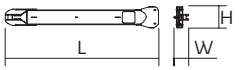
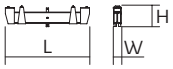
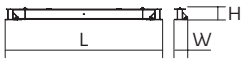
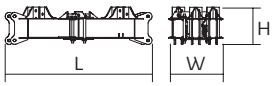
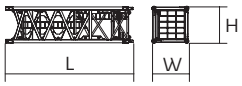
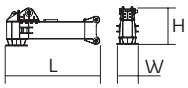
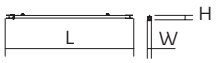
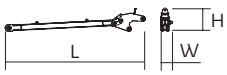
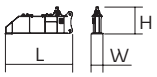
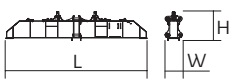
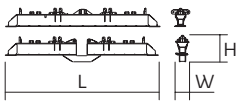
Dimensions and weight

Slewing crane part : 246 ft - - 90 HPL™

x 6

x 5

Slewing crane part			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib		Ⓐ Ⓑ Ⓒ	39.4 39.4 39.4	4.1 4.1 4.1	8.2 8.2 8.2	31,107 29,983 25,441
Cab mast + cab		Ultra View	16.5	7.3	8.2	14,815
Towerhead		☐ 6.6 ft ☐ 8 ft	9.7 10.7	8.1 8.2	8.2 9	16,799 19,180
Hoisting winch (+ rope)		90 HPL™	14	7.5	7.6	9,921
Jib section		① 6 DVF	35.3	5.9	9	12,125
Jib section		② ③ ⑤ ⑥ ⑦	33.5 33.8 33.5 33.6 33.4	3.9 3.9 3.9 3.9 3.9	8.2 7.9 7.8 6.9 6	6,934 5,335 3,439 2,723 2,094
Jib section		④ ⑧ ⑨	17.3 16.7 16.7	3.9 3.9 3.9	7.8 5 4.6	2,116 683 485
Trolley		13.2 USt	6.1	5	3.4	882
Pulley block		13.2 USt	3.9	1.4	7.6	1,003
Trolley		13.2 USt	5.2	5	3.2	463
Trolley		13.2 USt 6.6 USt	5.6 6.1	5 5	3.4 3.2	540 520
Pulley block		13.2 USt 6.6 USt	5.4 3.6	0.7 0.9	5.8 5.3	992 584
Crane tower						
Telescopic cage T 61 Telescopic cage T 851		☐ 6.6 ft ☐ 8 ft	35.5 36.7	13.6 15.9	14.7 19	21,385 34,723
K 649B KM 649E K 850/KR 849B KM 850.10B KM 850.14B		☐ 6.6 ft ☐ 6.6 ft ☐ 8 ft ☐ 8 ft ☐ 8 ft	33.6 33.8 33.6 33.9 33.9	6.8 6.7 8.3 8.3 8.3	6.7 6.7 8.2 8.2 8.2	11,663 10,692 20,878 22,201 24,670

			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
K 649A		☐6.6 ft	17.2	6.8	6.7	6,184
KMT 649A		☐6.6 ft	17.2	6.8	6.7	5,666
KR 649A		☐6.6 ft	17.2	6.9	6.8	7,165
KRMT 649A		☐6.6 ft	17.2	6.9	6.8	6,724
K 849A		☐8 ft	17.2	8.3	8.2	7,496
KR 849A		☐8 ft	17.2	8.3	8.2	9,458
KRMT 849A		☐8 ft	17.2	8.4	8.3	9,017
K 850/KR 849A		☐8 ft	17.2	8.3	8.2	12,291
KMT 850.10A		☐8 ft	17.5	8.3	8.2	12,015
KMT 850.14A		☐8 ft	17.5	8.3	8.2	13,206
K 649C		☐6.6 ft	11.7	6.8	6.7	4,376
KRMT 649C		☐6.6 ft	11.7	6.9	6.8	5,401
KRMT 849C		☐8 ft	11.7	8.4	8.3	7,066
Fixing angles		P 602B P 802B P 854A	2.1 2.5 3	2.1 2.5 3	4.2 4.2 4.9	650 1,025 2,072
Basic mast unit		V 60A V 63A Y 800B	16.4 32.9 19.8	7.9 7.9 9.6	7.9 7.9 9.6	9,674 16,502 19,004
Struts		V 60A V 63A Y 800B	14.8 14.8 18.1	1 1.1 1.6	1 1.1 1.5	919 1,135 2,447
Half-bearer		V 60A V 63A	22 22	2.3 2.3	7.6 7.6	3,519 4,079
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
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
1/2 Cross girder		ZY 854	18.6	3.2	7.4	13,095
Cross girder		ZY 854	39	4.7	7.4	29,432
		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	
	90 HPL™ 30	fpm	174	226	320	541	722	90	118	171	305	361	90	66	2,772 ft
		USt	6.6	5	3.3	1.7	0.8	13.2	9.9	6.6	3.3	2.5			
	6 DVF 6 Optima	fpm	0 → 138 (13.2 USt) 0 → 276 (8.8 USt) 0 → 328 (4.4 USt)										5.5	4	
	RVF 172 Optima+	rpm	0 → 0.9										2 x 10	2 x 7.5	

IEC 60204-32	kVA	
480 V (+6% -10%) 60 Hz	90 HPL™ : 96→ 60 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.

- Jib elevation
- 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

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