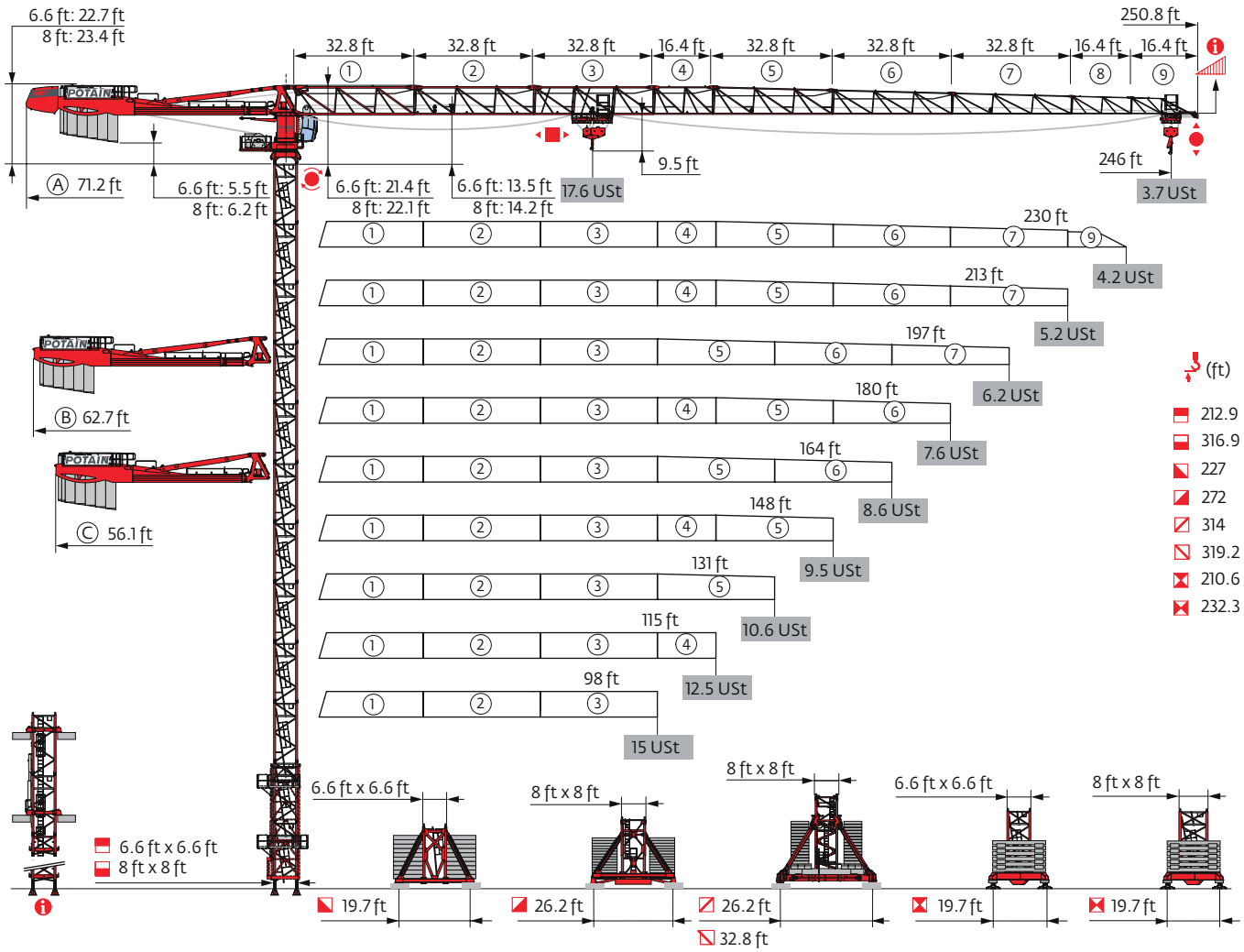
POTAIN®
by Manitowoc

MDT 389 L16



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

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)		212.9	212.9	212.9	212.9	212.9	212.9	212.9	196.5	202.1	202.1
/P+ (ft)		202.1	196.5	202.1	202.1	202.1	202.1	202.1	196.5	202.1	202.1
10.9 ft		1	1	1	1	1	1	1	1	0	0
16.4 ft		12	12	12	12	12	12	12	11	12	12
F2 (USt)	●	224	225	223	221	223	221	223	222	229	231
	■	259	263	263	259	266	268	272	240	262	270
F3 (USt)	●	153	153	150	146	147	145	147	146	151	154
	■	196	199	198	192	200	200	204	172	194	201

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	216.2	205	205	205
/P+ (ft)		199.8	194.2	199.8	199.8	199.8	205	199.8	205	205	205
10.9 ft		0	0	0	0	0	0	0	2	2	2
16.4 ft		12	12	12	12	12	12	12	10	10	10
F1 (USt)	●	128	129	125	125	125	125	126	128	128	129
	■	130	132	132	129	133	134	136	127	133	138

6.6 ft - V 63A -

(ft)		98	115	131	148	164	180	197	213	230	246
(ft)		216.2	216.2	216.2	227	227	227	221.8	216.2	216.2	216.2
/P+ (ft)		199.8	194.2	199.8	199.8	199.8	205.4	199.8	210.6	210.6	205.4
10.9 ft		0	0	0	1	1	1	2	0	0	0
16.4 ft		11	11	11	11	11	11	10	11	11	11
F1 (USt)	●	128	129	129	133	133	133	132	133	133	133
	■	133	135	135	148	153	153	148	144	150	155

6.6 ft - ZX 6830 -

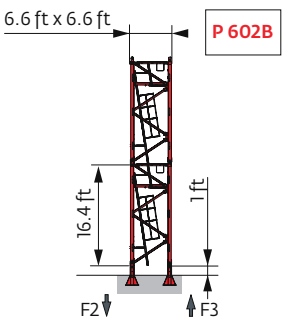
(ft)		98	115	131	148	164	180	197	213	230	246
(ft)		210.6	210.6	210.6	205	205	210.6	210.6	194.2	194.2	194.2
/P+ (ft)		199.5	194.2	199.5	199.5	205	205	205	194.2	194.2	194.2
10.9 ft		2	2	2	0	0	2	2	2	2	2
16.4 ft		11	11	11	12	12	11	11	10	10	10
F1 (USt)	●	124	122	122	120	124	122	123	120	120	121
	■	123	124	124	117	121	126	129	115	118	122

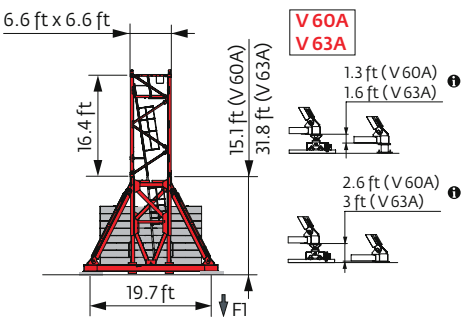
8 ft - P 802B

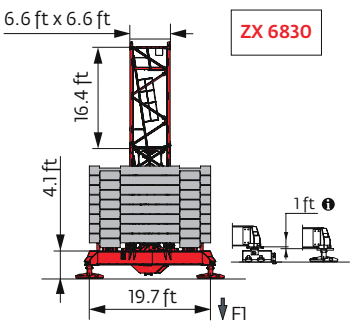
(ft)		98	115	131	148	164	180	197	213	230	246
(ft)		267.7	267.7	267.7	262.1	262.1	262.1	262.1	251.3	251.3	251.3
/P+ (ft)		267.7	267.7	267.7	262.1	262.1	262.1	262.1	251.3	251.3	251.3
10.9 ft		0	0	0	1	1	1	1	0	0	0
16.4 ft		16	16	16	15	15	15	15	15	15	15
F2 (USt)	●	249	251	249	244	245	242	243	240	242	244
	■	399	403	403	388	394	396	399	371	379	385
F3 (USt)	●	165	165	163	156	157	154	155	152	153	155
	■	324	326	325	309	315	316	319	291	299	306

8 ft - P 851A

(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	311.4	305.8	305.8
/P+ (ft)		316.9	316.9	316.9	316.9	316.9	316.9	316.9	311.4	305.8	305.8
10.9 ft		0	0	0	0	0	0	0	1	2	2
16.4 ft		19	19	19	19	19	19	19	18	17	17
F2 (USt)	●	308	309	307	306	307	304	305	312	307	310
	■	576	580	580	577	583	585	588	584	575	581
F3 (USt)	●	210	210	207	205	206	203	204	209	206	208
	■	488	490	489	485	491	492	495	490	482	488







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
F1 (USt) ●	147	147	147	144	148	144	148	141	145	146
F1 (USt) ■	198	200	200	197	201	201	203	194	199	202

8 ft - YM 850 -

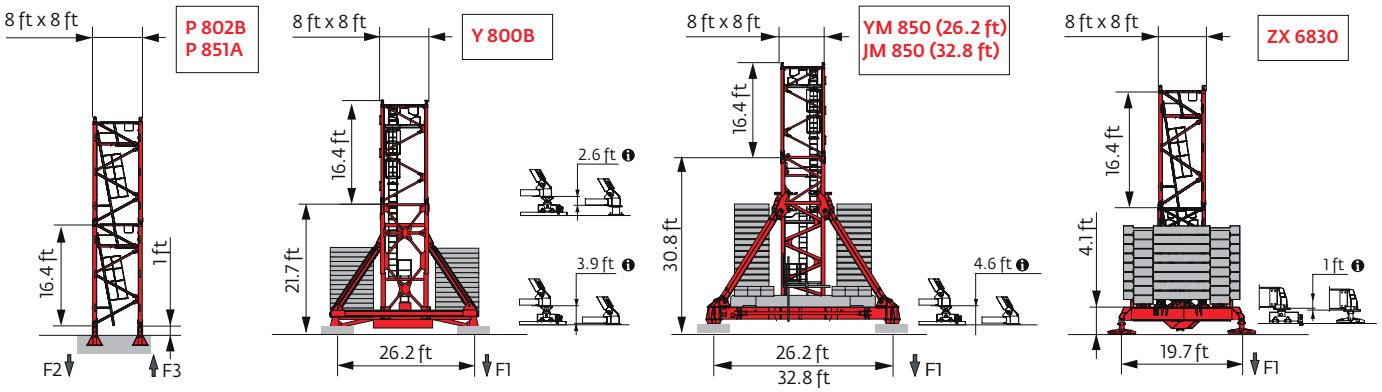
(ft)	98	115	131	148	164	180	197	213	230	246
(ft)	314	314	314	314	314	314	314	308.4	308.4	302.8
/P+ (ft)	314	314	314	314	314	314	314	308.4	308.4	302.8
10.9 ft	0	0	0	0	0	0	0	1	1	2
16.4 ft	17	17	17	17	17	17	17	16	16	15
F1 (USt) ●	186	187	187	187	188	186	187	189	189	188
F1 (USt) ■	274	276	275	273	277	278	279	276	280	277

8 ft - JM 850 -

(ft)	98	115	131	148	164	180	197	213	230	246
(ft)	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	314
/P+ (ft)	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	314
10.9 ft	2	2	2	2	2	2	2	2	2	0
16.4 ft	16	16	16	16	16	16	16	16	16	17
F1 (USt) ●	161	162	162	160	160	159	163	165	166	158
F1 (USt) ■	239	241	241	239	242	243	244	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
F1 (USt) ●	149	150	150	147	151	150	146	149	146	147
F1 (USt) ■	188	190	190	186	191	192	186	191	183	188



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) / 6.6 ft - V 60A -

(ft) \ (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	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	105.8	92.6	92.6	105.8	105.8	105.8
172.2	105.8	105.8	105.8	92.6	92.6	92.6	92.6	92.6	79.4	79.4
155.8	105.8	105.8	92.6	92.6	92.6	79.4	79.4	66.1	66.1	66.1
139.4	92.6	92.6	92.6	79.4	79.4	79.4	66.1	66.1	52.9	66.1
123	92.6	92.6	92.6	79.4	79.4	79.4	66.1	52.9	52.9	52.9

(USt) / 6.6 ft - ZX 6830 -

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

(USt) / 8 ft - YM 850 -

(ft) \ (ft)	98	115	131	148	164	180	197	213	230	246
314	238.1	238.1	238.1	238.1	238.1	238.1	238.1			
308.4	238.1	238.1	224.9	224.9	224.9	224.9	224.9	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	145.5	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
188	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
171.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
155.2	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) \ (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	78.3	78.3	78.3	78.3	89.3	89.3	78.3
155.8	89.3	89.3	89.3	78.3	78.3	78.3	67.2	67.2	67.2	67.2
139.4	89.3	89.3	89.3	78.3	78.3	78.3	67.2	56.2	45.2	56.2

(USt) / 6.6 ft - V 63A -

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

(USt) / 8 ft - Y 800B -

(ft) \ (ft)	98	115	131	148	164	180	197	213	230	246
272	158.7	158.7	158.7	145.5	158.7	145.5	158.7			
260.8	145.5	132.3	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	13.2	13.2	13.2	26.5	26.5	26.5
162.4	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
146	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
129.6	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
113.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2

(USt) / 8 ft - JM 850 -

(ft) \ (ft)	98	115	131	148	164	180	197	213	230	246
319.2	185.2	185.2	185.2	172	172	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	119.1	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	66.1	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
232	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
215.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
199.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
182.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
166.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
149.9	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

Load curves

(ft)			56	66	82	89	98	105	115	121	131	138	148	154	164	180	187	197	213	220	230	236	246	ft
	17.6 USt	8.8 USt																						
246	11 → 61	112 - 122	17.6	16.4	12.8	11.7	10.3	9.6	8.8	8.8	8.2	7.8	7.1	6.7	6.2	5.4	5.2	4.8	4.3	4.1	3.9	3.7	3.5	USt
	11 → 67	118 - 128	17.6	17.6	14.1	12.9	11.4	10.4	9.2	8.8	8.5	8	7.4	7	6.4	5.7	5.4	5.1	4.6	4.4	4.1	3.9	3.7	USt P+
230	11 → 65	118 - 128	17.6	17.3	13.6	12.5	11	10.2	9.1	8.8	8.5	8	7.3	6.9	6.3	5.5	5.3	4.9	4.4	4.3	4	USt		
	11 → 69	120 - 130	17.6	17.6	14.5	13.3	11.6	10.6	9.3	8.8	8.7	8.1	7.5	7.1	6.5	5.8	5.5	5.2	4.6	4.5	4.2	USt P+		
213	11 → 69	127 - 138	17.6	17.6	14.7	13.4	11.9	11.1	10	9.3	8.8	8.8	8.2	7.7	7.1	6.3	6	5.6	5.1	USt				
	11 → 74	129 - 140	17.6	17.6	15.5	14.1	12.4	11.5	10.3	9.6	8.8	8.8	8.2	7.8	7.3	6.5	6.2	5.8	5.2	USt P+				
197	11 → 74	132 - 143	17.6	17.6	15.6	14.2	12.6	11.7	10.5	9.8	8.9	8.8	8.5	8.1	7.5	6.7	6.4	6.1	USt					
	11 → 79	138 - 148	17.6	17.6	16.8	15.3	13.5	12.4	11.1	10.4	9.4	8.8	8.8	8.4	7.8	6.9	6.6	6.2	USt P+					
180	11 → 74	137 - 148	17.6	17.6	15.9	14.6	13	12	10.9	10.2	9.3	8.8	8.8	8.4	7.9	7.1	USt							
	11 → 80	146 - 157	17.6	17.6	17.1	15.7	13.9	13	11.7	11	10	9.4	8.8	8.8	8.4	7.6	USt P+							
164	11 → 75	137 - 148	17.6	17.6	15.9	14.6	13	12.1	10.9	10.2	9.3	8.8	8.8	8.4	7.9	USt								
	11 → 81	149 - 161	17.6	17.6	17.5	16.1	14.3	13.3	12	11.2	10.3	9.7	8.9	8.8	8.6	USt P+								
148	11 → 78	143 - 148	17.6	17.6	16.7	15.3	13.6	12.7	11.4	10.7	9.8	9.2	8.8	USt										
	11 → 85		17.6	17.6	17.6	16.9	15	13.9	12.6	11.8	10.8	10.2	9.4	USt P+										
131	11 → 77		17.6	17.6	16.4	15	13.3	12.3	11.1	10.4	9.5	USt												
	11 → 84		17.6	17.6	17.6	16.5	14.6	13.6	12.2	11.4	10.4	USt P+												
115	11 → 78		17.6	17.6	16.6	15.2	13.4	12.5	11.2	USt														
	11 → 84		17.6	17.6	17.6	16.7	14.8	13.7	12.3	USt P+														
98	11 → 78		17.6	17.6	16.7	15.3	13.5	USt																
	11 → 85		17.6	17.6	17.6	16.8	14.9	USt P+																

= - 0.97 USt max.

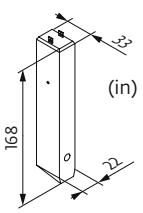
(ft)			56	66	82	89	98	105	115	121	131	138	148	154	164	180	187	197	213	220	230	236	246	ft
	17.6 USt	8.8 USt																						
246	8 → 62	114 - 117	17.6	16.5	12.9	11.9	10.5	9.7	8.8	8.4	7.7	7.2	6.6	6.2	5.7	4.9	4.7	4.3	3.8	3.6	3.3	3.2	2.95	USt
	8 → 68	120 - 122	17.6	17.6	14.2	13	11.5	10.5	9.3	8.8	8	7.5	6.8	6.5	5.9	5.2	4.9	4.6	4	3.8	3.6	3.4	3.2	USt P+
230	8 → 65	119 - 122	17.6	17.5	13.7	12.6	11.2	10.4	9.3	8.8	8	7.5	6.8	6.4	5.8	5	4.8	4.4	3.9	3.8	3.5	USt		
	8 → 70	121 - 125	17.6	17.6	14.7	13.4	11.7	10.7	9.5	8.8	8.1	7.6	7	6.6	6	5.3	5	4.7	4.1	3.9	3.7	USt P+		
213	8 → 70	129 - 132	17.6	17.6	14.8	13.6	12.1	11.2	10.1	9.5	8.8	8.4	7.7	7.3	6.7	5.8	5.5	5.1	4.6	USt				
	8 → 74	131 - 134	17.6	17.6	15.7	14.3	12.6	11.6	10.4	9.7	8.8	8.5	7.8	7.4	6.8	6	5.7	5.4	4.8	USt P+				
197	8 → 74	134 - 138	17.6	17.6	15.7	14.4	12.8	11.8	10.6	10	9.1	8.8	8.1	7.7	7.1	6.3	6.1	5.7	USt					
	8 → 79	140 - 143	17.6	17.6	16.9	15.5	13.6	12.6	11.3	10.5	9.6	9	8.5	8	7.4	6.5	6.3	5.8	USt P+					
180	8 → 75	139 - 142	17.6	17.6	16	14.7	13.1	12.2	11	10.3	9.5	8.9	8.5	8	7.5	6.7	USt							
	8 → 81	148 - 151	17.6	17.6	17.3	15.9	14.1	13.1	11.8	11.1	10.1	9.6	8.8	8.6	8	7.2	USt P+							
164	8 → 75	140 - 143	17.6	17.6	16	14.8	13.1	12.2	11	10.4	9.5	8.9	8.5	8.1	7.5	USt								
	8 → 82	151 - 151	17.6	17.6	17.6	16.2	14.4	13.4	12.1	11.4	10.4	9.8	9.1	8.7	8.2	USt P+								
148	8 → 78	146 - 148	17.6	17.6	16.8	15.5	13.8	12.8	11.6	10.9	10	9.4	8.8	USt										
	8 → 86		17.6	17.6	17.6	17	15.2	14.1	12.8	12	10.9	10.3	9.5	USt P+										
131	8 → 78		17.6	17.6	16.6	15.2	13.4	12.5	11.2	10.5	9.6	USt												
	8 → 84		17.6	17.6	17.6	16.7	14.8	13.7	12.4	11.6	10.6	USt P+												
115	8 → 78		17.6	17.6	16.7	15.3	13.6	12.6	11.4	USt														
	8 → 85		17.6	17.6	17.6	16.9	14.9	13.9	12.5	USt P+														
98	8 → 79		17.6	17.6	16.8	15.4	13.7	USt																
	8 → 85		17.6	17.6	17.6	17	15	USt P+																

= - 0.29 USt max.

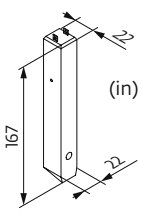
Jib weight & counter-jib ballast

	(lb) (+/- 5%)								
				10,141 lb	3,373 lb	(kg)	6,768 lb	3,373 lb	(lb)
246 ft	39,904	38,790	40,212	5	2	57,452	8	1	57,519
230 ft	39,330	38,250	39,639	5	2	57,452	8	1	57,519
213 ft	38,471	37,457	38,779	5	2	57,452	8	1	57,519
197 ft	36,200	35,252	36,509	5	1	54,079	8	0	54,146
180 ft	36,200	35,252	36,509	5	1	54,079	8	0	54,146
164 ft	34,106	33,158	34,414	5	2	57,452	8	1	57,519
148 ft	33,775	32,827	34,083	5	2	57,452	8	1	57,519
131 ft	31,945	30,997	32,254	5	0	50,706	7	1	50,750
115 ft	30,600	29,652	30,909	4	2	47,311	7	0	47,377
98 ft	28,770	27,822	29,079	4	1	43,938	6	1	43,982

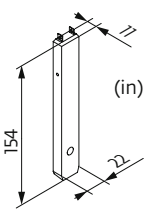
CBS - 10,141 lb



CBU - 6,768 lb



CBY - 3,373 lb

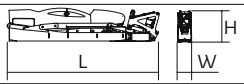
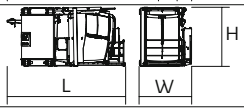
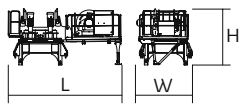
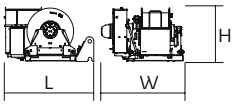
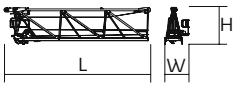
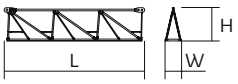
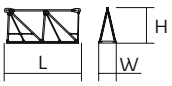
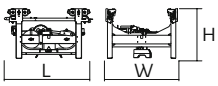
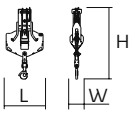
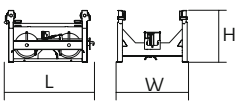
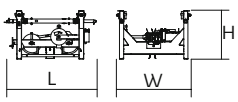
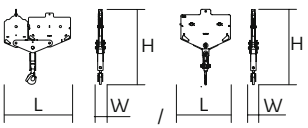


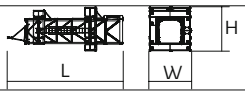
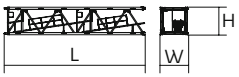
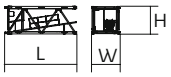
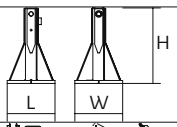
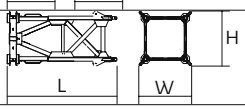
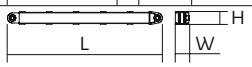
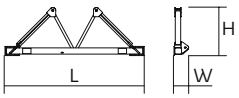
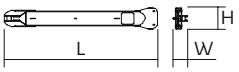
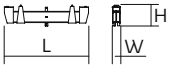
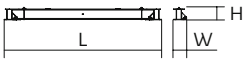
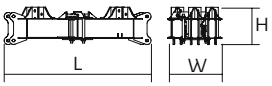
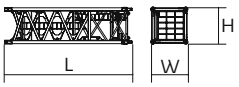
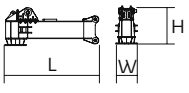
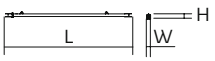
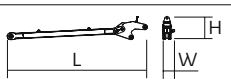
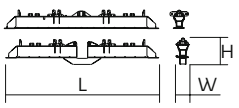
Dimensions and weight

Slewing crane part: 246 ft - - 75 LVF

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 + 75 LVF (+ rope)		6.6 ft 8 ft	17.3 18	8.1 8.3	8.2 9.2	25,794 29,233
Hoisting winch (+ rope)		75 LVF	7.4	6.9	4.5	8,322
Hoisting winch (+ rope)		100 LVF	14	7.5	7.6	12,588
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		17.6 USt	6.7	5	3.6	1,063
Pulley block		17.6 USt	4.6	1.5	7.3	1,301
Trolley		17.6 USt	5.8	5	3.4	551
Trolley		17.6 USt 8.8 USt	5.8 6	5 5	3.4 3.4	668 668
Pulley block		17.6 USt 8.8 USt	6 3.8	0.9 0.7	6.2 5.2	1,863 816

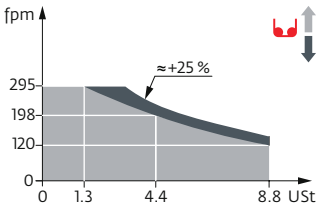
Crane tower			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Telescopic cage		☑6.6 ft ☑8 ft	36.7 33.6	14.4 15.2	13.6 19	18,188 29,200
K 649B KM 649E K 850/KR 849B KM 850.10B		☑6.6 ft ☑6.6 ft ☑8 ft ☑8 ft	33.6 33.8 33.6 33.9	6.8 6.7 8.3 8.1	6.7 6.7 8.2 8.3	11,663 10,692 20,878 22,201
K 649A KMT 649A KR 649A KRMT 649A K 849A KR 849A KRMT 849A K 850/KR 849A KMT 850.10A		☑6.6 ft ☑6.6 ft ☑6.6 ft ☑6.6 ft ☑8 ft ☑8 ft ☑8 ft ☑8 ft ☑8 ft	17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.5	6.8 6.8 6.9 6.9 8.3 8.3 8.4 8.3 8.3	6.7 6.7 6.8 6.8 8.2 8.2 8.3 8.2 8.2	6,184 5,666 7,165 6,724 7,496 9,458 9,017 12,291 12,015
K 649C KRMT 649C KR 849C KRMT 849C		☑6.6 ft ☑6.6 ft ☑8 ft ☑8 ft	11.7 11.7 11.7 11.7	6.8 6.9 8.4 8.4	6.7 6.8 8.3 8.3	4,376 5,401 7,044 7,066
Fixing angles		P 602B P 802B P 851A	2.1 2.5 3	2.1 2.5 3	4.2 4.2 4.9	650 1,025 1,841
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
Cross girder		ZX 6830	29.9 29.9	3.7 2.5	3.6 4.9	11,607 12,004

Mechanisms

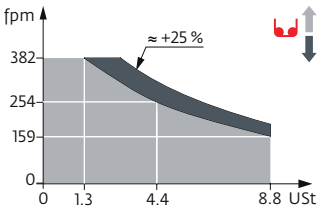
480 V - 60 Hz											hp	kW	
	75 LVF 40 Optima	fpm	120	156	198	295	62	82	103	148	75	55	2,090 ft
		USt	8.8	6.6	4.4	1.3	17.6	13.2	8.8	3.5			
	100 LVF 40 Optima	fpm	159	200	254	382	84	105	133	192	100	75	3,727 ft
		USt	8.8	6.6	4.4	1.3	17.6	13.2	8.8	3.9			
	6 DVF 6 Optima	fpm	0 => 138 (17.6 USt) 0 => 276 (8.8 USt) 0 => 328 (4.4 USt)								5.5	4	
	RVF 172 Optima+	rpm	0 → 1								2 x 10	2 x 7.5	

IEC 60204-32	kVA	
480 V (+6% -10%) 60 Hz	75 LVF: 84 → 54 kVA 100 LVF: 104 → 64 kVA	

75 LVF 40 Optima



100 LVF 40 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.

- Jib elevation
- Standard equipment
- Options
- P+ 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
- kVA Required power
- Power Control Function: winch speeds adapted to the available power
- Consult us