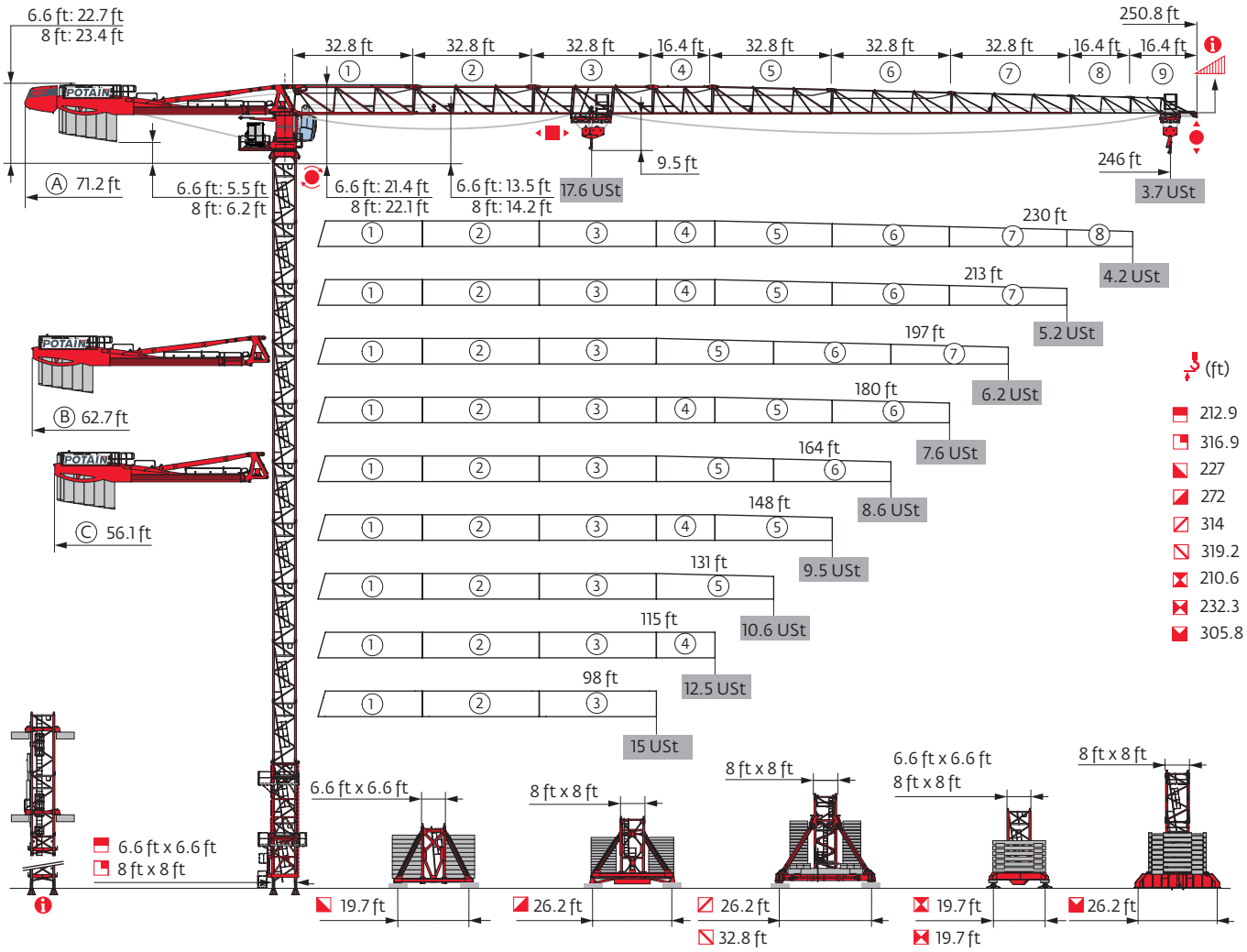
POTAIN®
by Manitowoc

RMC
ROCKY MOUNTAIN CRANE

MDT 389 L16



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)	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
F2 (USt) ■	259	263	263	259	266	268	272	240	262	270
F3 (USt) ●	153	153	150	146	147	145	147	146	151	154
F3 (USt) ■	196	199	198	192	200	200	204	172	194	201

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
F1 (USt) ■	133	135	135	148	153	153	148	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) ●	249	251	249	244	245	242	243	240	242	244
F2 (USt) ■	399	403	403	388	394	396	399	371	379	385
F3 (USt) ●	165	165	163	156	157	154	155	152	153	155
F3 (USt) ■	324	326	325	309	315	316	319	291	299	306

6.6 ft - V 60A -

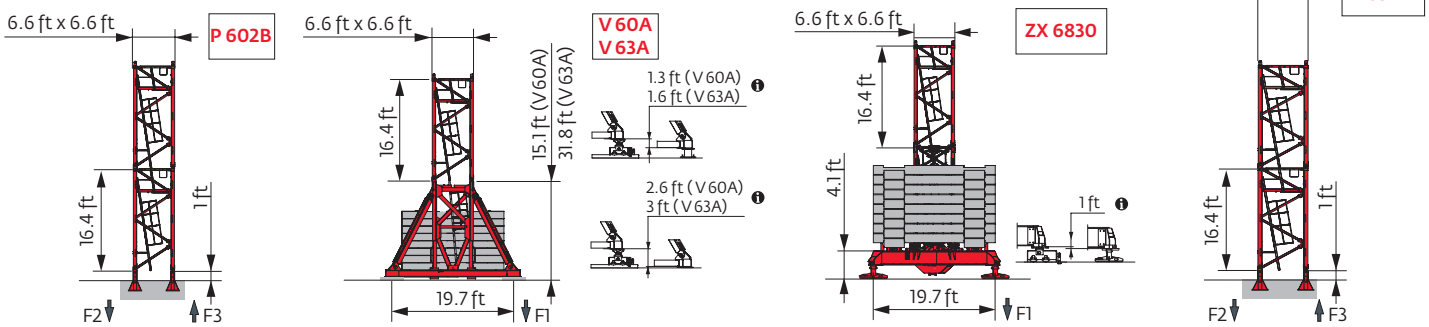
(ft)	98	115	131	148	164	180	197	213	230	246
(ft)	216.2	216.2	216.2	216.2	216.2	216.2	216.2	205	205	205
/P+ (ft)	199.8	194.2	199.8	199.8	199.8	205	199.8	205	205	205
10.9 ft	0	0	0	0	0	0	0	2	2	2
16.4 ft	12	12	12	12	12	12	12	10	10	10
F1 (USt) ●	128	129	125	125	125	125	126	128	128	129
F1 (USt) ■	130	132	132	129	133	134	136	127	133	138

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
F1 (USt) ■	123	124	124	117	121	126	129	115	118	122

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) ●	308	309	307	306	307	304	305	317	312	310
F2 (USt) ■	576	580	580	577	584	585	588	598	589	582
F3 (USt) ●	210	210	207	205	206	203	204	213	210	208
F3 (USt) ■	488	490	489	485	491	492	496	504	496	488



Rocky Mountain Crane
208-500-0101
www.rockymtncranes.com

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) ●	147	147	147	144	148	144	148	141	145	146
Fl (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
Fl (USt) ●	186	187	187	187	188	186	187	189	189	188
Fl (USt) ■	274	276	275	273	277	278	279	276	280	277

8 ft - JM 850 -

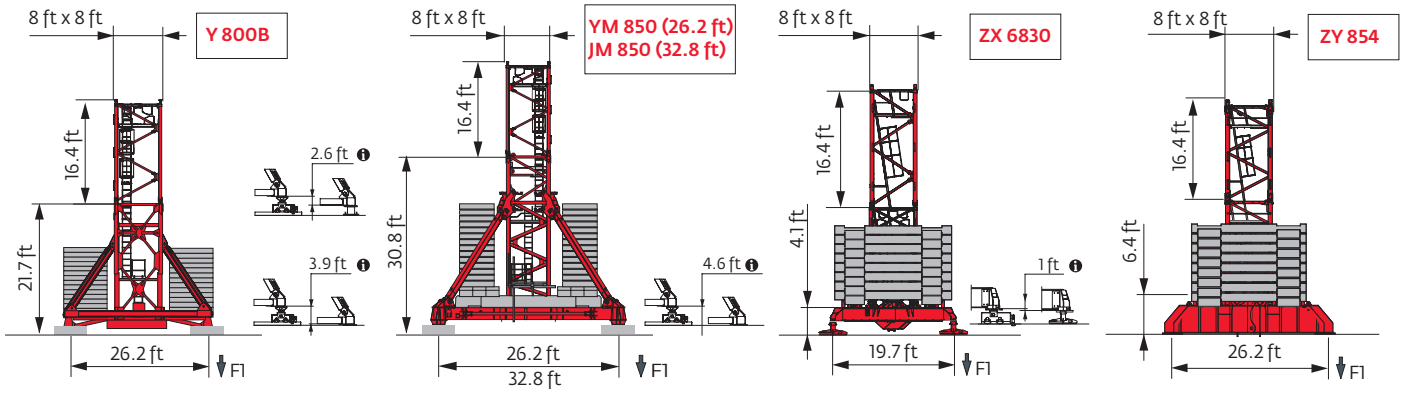
(ft)	98	115	131	148	164	180	197	213	230	246
(ft)	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	314
/P+ (ft)	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	314
10.9 ft	2	2	2	2	2	2	2	2	2	0
16.4 ft	16	16	16	16	16	16	16	16	16	17
Fl (USt) ●	161	162	162	160	160	159	163	165	166	158
Fl (USt) ■	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
Fl (USt) ●	149	150	150	147	151	150	146	149	146	147
Fl (USt) ■	188	190	190	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) ●	191	192	196	193	197	197	197	202	201	196
Fl (USt) ■	280	283	284	283	287	289	291	297	296	291



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	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)	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)	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
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	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)	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)	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
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)	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
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	224.9	224.9	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	211.6	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	13.2	13.2	13.2	13.2	26.5	13.2	13.2
163.7	26.5	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
147.3 ↓	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
130.9	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2

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.

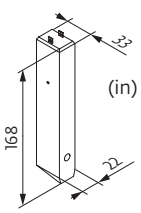
(ft)			56	66	82	89	98	105	115	121	131	138	148	154	164	180	187	197	213	220	230	236	246	ft
	17.6 USt	8.8 USt																						
246	8 → 62	114 - 117	17.6	16.5	12.9	11.9	10.5	9.7	8.8	8.4	7.7	7.2	6.6	6.2	5.7	4.9	4.7	4.3	3.8	3.6	3.3	3.2	2.95	USt
	8 → 68	120 - 122	17.6	17.6	14.2	13	11.5	10.5	9.3	8.8	8	7.5	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.

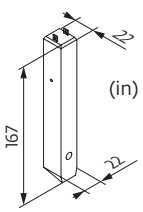
Jib weight & counter-jib ballast

	(lb) (+/- 5%)								
				10,141 lb	3,373 lb	(lb)	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

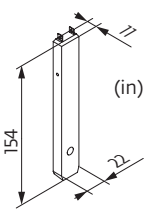
CBS - 10,141 lb



CBU - 6,768 lb



CBY - 3,373 lb

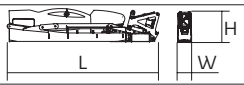
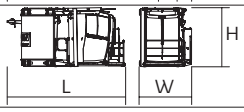
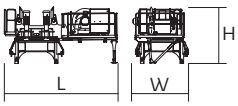
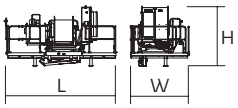
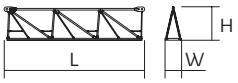
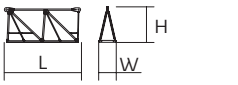
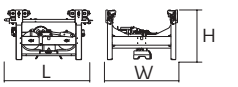
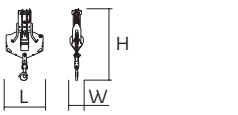
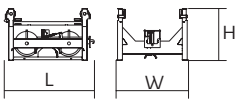
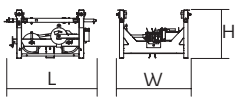
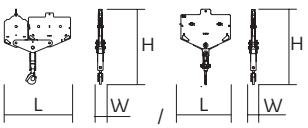
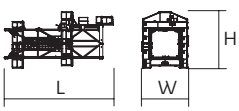
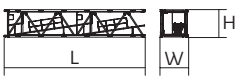


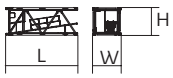
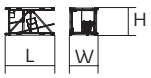
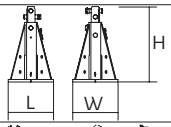
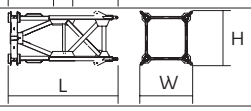
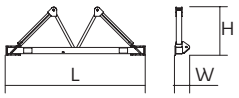
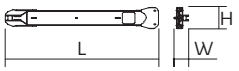
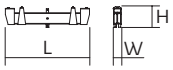
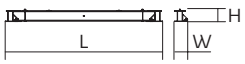
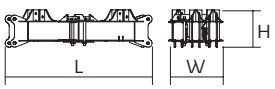
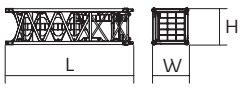
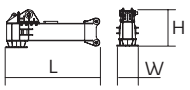
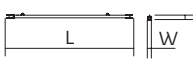
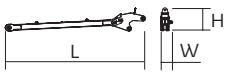
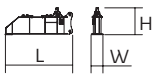
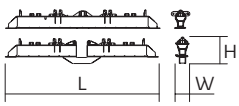
Rocky Mountain Crane
208-500-0101
www.rockymtncranes.com

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™ 100 LVF	14 14	7.5 7.5	7.6 7.6	9,017 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						
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	2.1	2.1	4.2	650
		P 802B	2.5	2.5	4.2	1,025
		P 854A	3	3	4.9	2,072
Basic mast unit		V 60A	16.4	7.9	7.9	9,674
		V 63A	32.9	7.9	7.9	16,502
		Y 800B	19.8	9.6	9.6	19,004
Struts		V 60A	14.8	1	1	919
		V 63A	14.8	1.1	1.1	1,135
		Y 800B	18.1	1.6	1.5	2,447
Half-bearer		V 60A	22	2.3	7.6	3,519
		V 63A	22	2.3	7.6	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	17.1	5.6	4.9	14,771
		JM 850				
Basic mast unit		YM 850	28.7	8.2	8.2	32,187
		JM 850				
Chassis girder		YM 850	12.5	3	5.1	6,173
		JM 850	17.1	3	5.1	7,055
Chassis ties		YM 850	23.6	0.8	1.1	551
		JM 850				
Struts		YM 850	24.6	2.5	4.3	4,630
		JM 850	26.9	2.5	4.3	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	3.7	3.6	11,607
			29.9	2.5	4.9	12,004

Mechanisms

480 V - 60 Hz												hp	kW	
	90 HPL™ 40	fpm	131	172	246	433	548	69	89	130	235	274	90	66	1,768 ft
		USt	8.8	6.6	4.4	2.2	1.5	17.6	13.2	8.8	4.4	3.6			
	100 LVF 40 Optima	fpm	146	187	249	325	382	76	98	131	171	192	100	75	3,727 ft
		USt	8.8	6.6	4.4	2.2	0.9	17.6	13.2	8.8	3.9	3			
	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 → 0.9										2 x 10	2 x 7.5	

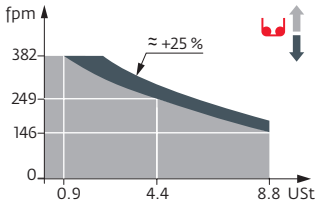
IEC 60204-32	kVA
480 V (+6% -10%) 60 Hz	90 HPL™ : 96→ 60 kVA 100 LVF: 104 → 64 kVA

Power Requirements
480V/60HZ - 166A max
*480 V phase to phase
*277 V phase to Ground
*80A fuse protection
*WYE connection
*NO DELTA CONNECTION

Minimum Generator 250kW
Supply Cable
*3 hot + ground
*No neutral
*2 AWG wire

Transformer
*No open Delta connection

100 LVF 40 Optima



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

ROCKY MOUNTAIN CRANE
14032 HWY 55
McCall, ID 83638
rockymtncranes.com