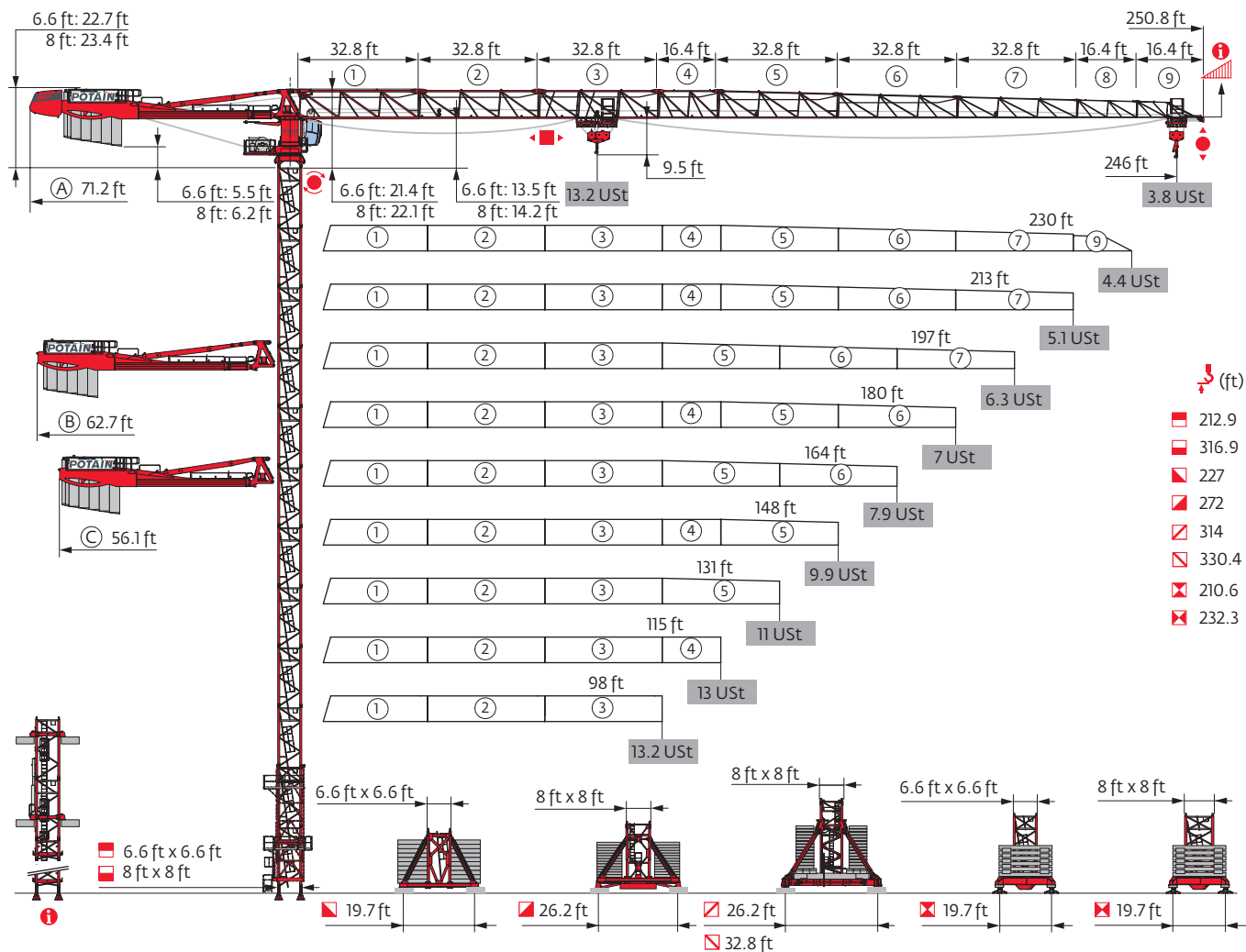


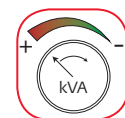
MDT 389 L12



Potain Plus



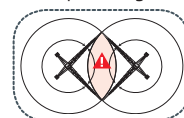
Power Control



Top Site





Top Tracing 3




Mast - Reactions

6.6 ft - P 602B										
MA (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
F2 (Ust)	10.9 ft	2	1	1	2	1	1	0	0	0
	16.4 ft	11	12	12	11	12	12	12	12	12
F3 (Ust)	●	207	220	218	212	223	217	216	219	221
	■	244	262	262	245	266	267	271	251	261
F3 (Ust)	●	140	149	147	140	149	143	143	145	147
	■	184	198	197	180	199	200	184	194	201

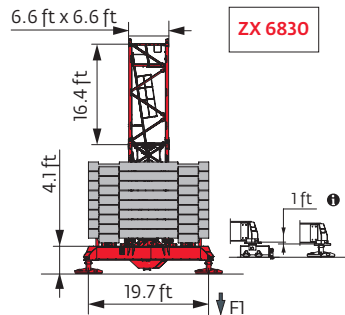
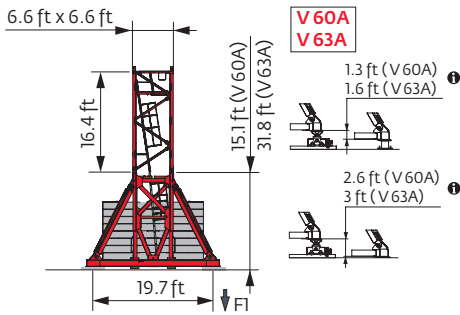
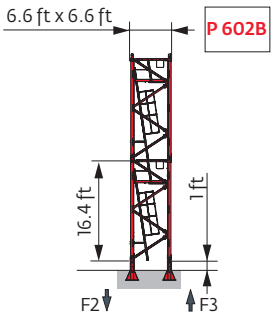
6.6 ft - V 60A - 										
MA (ft)	98	115	131	148	164	180	197	213	230	246
⬇️ (ft)	216.2	216.2	216.2	216.2	216.2	216.2	210.6	205	205	205
⬇️/P ₊ (ft)	216.2	199.8	199.8	199.8	216.2	199.8	210.6	205	205	205
F2 (Ust)	10.9 ft	0	0	0	0	0	1	2	2	2
	16.4 ft	12	12	12	12	12	11	10	10	10
F1 (Ust)	●	123	126	122	123	125	123	121	124	125
	■	130	132	132	129	133	134	129	127	133



6.6 ft - V 63A - 										
MA (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
F2 (Ust)	10.9 ft	1	0	2	1	1	1	0	0	0
	16.4 ft	11	11	10	11	11	11	11	11	11
F1 (Ust)	●	130	126	128	130	131	130	131	132	133
	■	149	135	143	148	153	156	144	150	155



6.6 ft - ZX 6830 - 										
MA (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
F2 (Ust)	10.9 ft	0	2	2	0	0	2	0	2	2
	16.4 ft	12	11	11	12	12	11	12	10	10
F1 (Ust)	●	117	120	119	122	120	120	115	116	117
	■	118	124	124	118	120	126	120	114	121



8 ft - P 802B										
MA (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
F2 (Ust)	10.9 ft	0	0	0	1	1	1	0	0	0
	16.4 ft	16	16	16	15	15	15	15	15	15
F3 (Ust)	●	233	244	243	239	237	238	232	233	235
	■	398	402	403	388	394	395	398	370	378
F3 (Ust)	●	152	161	159	153	151	152	147	148	149
	■	324	326	325	309	315	316	319	291	299



8 ft - P 851A										
MA (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
F2 (Ust)	10.9 ft	0	0	0	0	0	0	1	2	2
	16.4 ft	19	19	19	19	19	19	18	17	17
F2 (Ust)	●	290	301	300	299	298	299	293	303	300
	■	574	579	580	577	582	585	586	583	574
F3 (Ust)	●	199	205	203	201	200	199	196	204	201
	■	489	490	489	485	492	492	496	490	482

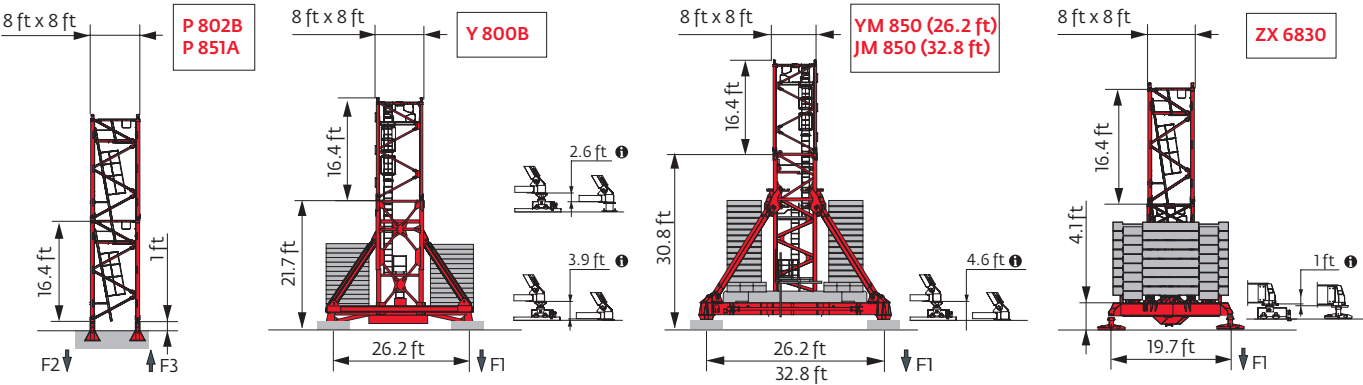


8 ft - Y 800B - 										
MA (ft)	98	115	131	148	164	180	197	213	230	246
h (ft)	272	272	272	272	272	272	272	260.8	260.8	260.8
h/P _r (ft)	272	272	272	272	272	272	272	260.8	260.8	260.8
	10.9 ft	0	0	0	0	0	0	2	2	2
	16.4 ft	15	15	15	15	15	15	13	13	13
FI (Ust)	● 140	145	144	142	145	145	143	138	142	143
	■ 198	200	199	197	201	201	203	194	199	202

8 ft - YM 850 - 										
MA (ft)	98	115	131	148	164	180	197	213	230	246
h (ft)	308.4	314	314	314	314	314	314	308.4	308.4	302.8
h/P _r (ft)	308.4	314	314	314	314	314	314	308.4	308.4	302.8
	10.9 ft	1	0	0	0	0	0	1	1	2
	16.4 ft	16	17	17	17	17	17	16	16	15
FI (Ust)	● 177	184	184	184	183	184	182	185	186	185
	■ 266	275	275	273	277	277	279	276	280	277

8 ft - JM 850 - 										
MA (ft)	98	115	131	148	164	180	197	213	230	246
h (ft)	330.4	330.4	330.4	330.4	330.4	324.8	324.8	319.2	319.2	314
h/P _r (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	1	1	2	2	0
	16.4 ft	18	18	18	18	17	17	16	16	17
FI (Ust)	● 161	166	166	166	166	162	160	162	163	154
	■ 252	253	253	252	255	249	250	247	251	233

8 ft - ZX 6830 - 										
MA (ft)	98	115	131	148	164	180	197	213	230	246
h (ft)	232.3	232.3	232.3	232.3	232.3	232.3	227	227	221.5	221.5
h/P _r (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	2	2	0	0
	16.4 ft	13	13	13	13	13	12	12	13	13
FI (Ust)	● 142	147	147	145	147	148	141	146	143	144
	■ 188	190	189	186	191	192	186	191	183	188





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.


Anchorage




Base ballast


(Ust) / 6.6 ft - V 60A - 										
(ft)	98	115	131	148	164	180	197	213	230	246
(ft)	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			
	205	119.1	119.1	119.1	119.1	105.8	105.8	105.8	119.1	119.1
	188.6	105.8	105.8	105.8	105.8	92.6	105.8	92.6	105.8	105.8
	172.2	92.6	105.8	105.8	105.8	92.6	92.6	79.4	92.6	79.4
	155.8	79.4	105.8	92.6	92.6	79.4	92.6	66.1	66.1	66.1
	139.4	66.1	92.6	92.6	92.6	79.4	79.4	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


(Ust) / 6.6 ft - ZX 6830 - 										
(ft)	98	115	131	148	164	180	197	213	230	246
(ft)	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	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
	161.4	78.3	100.3	89.3	89.3	78.3	89.3	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
	128.6	56.2	89.3	89.3	89.3	67.2	78.3	56.2	56.2	45.2
	112.2	56.2	89.3	89.3	89.3	67.2	78.3	56.2	56.2	45.2

(Ust) / 8 ft - YM 850 - 										
(ft)	98	115	131	148	164	180	197	213	230	246
(ft)	314		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	
	302.8	224.9	224.9	224.9	211.6	224.9	211.6	224.9	224.9	238.1
	286.4	185.2	185.2	185.2	172	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	158.7	158.7
	253.6	119.1	119.1	119.1	105.8	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	92.6	92.6
	220.8	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
	188	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
(ft)	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		
	221.5	144.4	144.4	144.4	133.4	133.4	144.4	144.4	155.4	155.4
	205.1	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	89.3	100.3	100.3	100.3
	172.2	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	67.2	78.3	56.2	67.2	67.2	67.2
	139.4	56.2	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
(ft)	227	145.5		132.3	132.3	132.3	132.3			
	221.8	145.5		132.3	132.3	132.3	132.3			
	216.2	132.3	132.3	132.3	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	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
	167	92.6	105.8	105.8	92.6	79.4	92.6	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
	134.2	52.9	92.6	92.6	92.6	66.1	79.4	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

(Ust) / 8 ft - Y 800B - 										
(ft)	98	115	131	148	164	180	197	213	230	246
(ft)	272	158.7	158.7	158.7	145.5	158.7	158.7			
	260.8	145.5	145.5	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	119.1
	228	79.4	79.4	79.4	66.1	66.1	66.1	79.4	79.4	92.6
	211.6	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	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	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
	146	13.2	26.5	13.2	13.2	13.2	13.2	13.2	13.2	13.2
	129.6	13.2	26.5	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
(ft)	330.4	198.4	198.4	198.4	198.4					
	324.8	198.4	198.4	185.2	185.2	185.2	185.2			
	319.2	185.2	185.2	185.2	172	185.2	172	185.2	185.2	
	314	158.7	158.7	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	132.3	132.3
	281.2	105.8	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	79.4	79.4
	248.4	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
	215.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9

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
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_{+}

$$U_{L} = U_{L} - 0.74 \text{ USt max.}$$



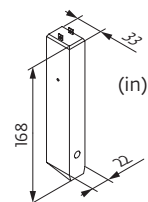
		(ft)	72	89	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	236	246	ft
246	8 → 82	144 - 148	13.2	12.2	10.9	10.1	9.1	8.4	7.6	7.1	6.6	6.2	5.6	5.3	4.9	4.6	4.3	4.1	3.8	3.6	3.4	3.3	3.1	USt
	8 → 86	148 - 150	13.2	12.9	11.3	10.4	9.3	8.6	7.8	7.2	6.6	6.4	5.9	5.6	5.2	4.9	4.6	4.3	4.1	3.9	3.6	3.5	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_{+}

$$U_{L} = U_{L} - 0.2 \text{ USt max.}$$

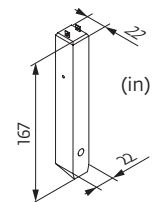
Jib weight & counter-jib ballast

	(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

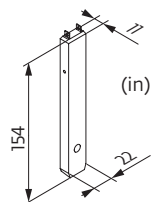
CBS - 10,141 lb



CBU - 6,768 lb

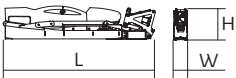





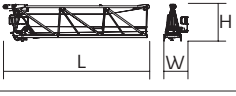
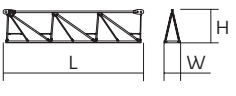
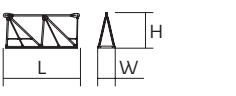
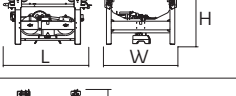

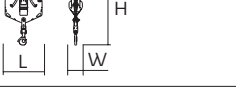

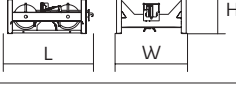

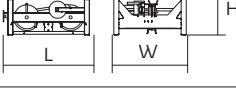


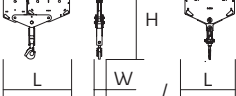




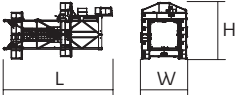


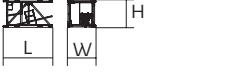
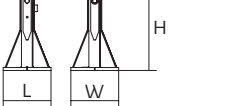

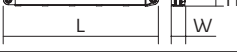
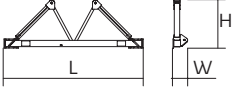
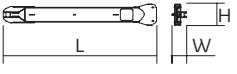

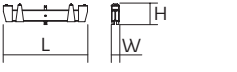
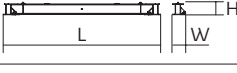

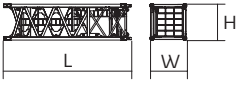
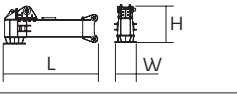
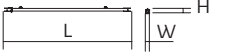
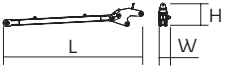
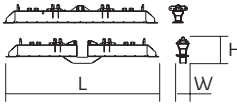
CBY - 3,373 lb



Dimensions and weight

Slewing crane part :  246 ft -  90 HPL™

Slewing crane part			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib		(A) (B) (C)	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	9,921 10,913
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

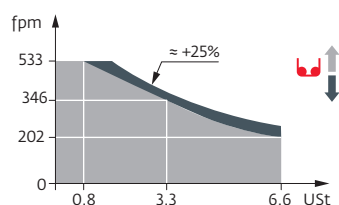
Crane tower			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Telescopic cage T 61 Telescopic cage T 851		$\begin{matrix} \square 6.6 \text{ ft} \\ \square 8 \text{ ft} \end{matrix}$	$\begin{matrix} 35.5 \\ 36.7 \end{matrix}$	$\begin{matrix} 13.6 \\ 15.9 \end{matrix}$	$\begin{matrix} 14.7 \\ 19 \end{matrix}$	$\begin{matrix} 21,385 \\ 34,723 \end{matrix}$
K 649B KM 649E K 850/KR 849B KM 850.10B		$\begin{matrix} \square 6.6 \text{ ft} \\ \square 6.6 \text{ ft} \\ \square 8 \text{ ft} \\ \square 8 \text{ ft} \end{matrix}$	$\begin{matrix} 33.6 \\ 33.8 \\ 33.6 \\ 33.9 \end{matrix}$	$\begin{matrix} 6.8 \\ 6.7 \\ 8.3 \\ 8.1 \end{matrix}$	$\begin{matrix} 6.7 \\ 6.7 \\ 8.2 \\ 8.3 \end{matrix}$	$\begin{matrix} 11,663 \\ 10,692 \\ 20,878 \\ 22,201 \end{matrix}$
K 649A KMT 649A KR 649A KRMT 649A K 849A KR 849A KRMT 849A K 850/KR 849A KMT 850.10A		$\begin{matrix} \square 6.6 \text{ ft} \\ \square 6.6 \text{ ft} \\ \square 6.6 \text{ ft} \\ \square 6.6 \text{ ft} \\ \square 8 \text{ ft} \\ \square 8 \text{ ft} \\ \square 8 \text{ ft} \\ \square 8 \text{ ft} \\ \square 8 \text{ ft} \end{matrix}$	$\begin{matrix} 17.2 \\ 17.2 \\ 17.2 \\ 17.2 \\ 17.2 \\ 17.2 \\ 17.2 \\ 17.2 \\ 17.5 \end{matrix}$	$\begin{matrix} 6.8 \\ 6.8 \\ 6.9 \\ 6.9 \\ 8.3 \\ 8.3 \\ 8.4 \\ 8.3 \\ 8.3 \end{matrix}$	$\begin{matrix} 6.7 \\ 6.7 \\ 6.8 \\ 6.8 \\ 8.2 \\ 8.2 \\ 8.3 \\ 8.2 \\ 8.2 \end{matrix}$	$\begin{matrix} 6,184 \\ 5,666 \\ 7,165 \\ 6,724 \\ 7,496 \\ 9,458 \\ 9,017 \\ 12,291 \\ 12,015 \end{matrix}$
K 649C KRMT 649C KR 849C KRMT 849C		$\begin{matrix} \square 6.6 \text{ ft} \\ \square 6.6 \text{ ft} \\ \square 8 \text{ ft} \\ \square 8 \text{ ft} \end{matrix}$	$\begin{matrix} 11.7 \\ 11.7 \\ 11.7 \\ 11.7 \end{matrix}$	$\begin{matrix} 6.8 \\ 6.9 \\ 8.4 \\ 8.4 \end{matrix}$	$\begin{matrix} 6.7 \\ 6.8 \\ 8.3 \\ 8.3 \end{matrix}$	$\begin{matrix} 4,376 \\ 5,401 \\ 7,044 \\ 7,066 \end{matrix}$
Fixing angles		$\begin{matrix} P 602B \\ P 802B \\ P 851A \end{matrix}$	$\begin{matrix} 2.1 \\ 2.5 \\ 3 \end{matrix}$	$\begin{matrix} 2.1 \\ 2.5 \\ 3 \end{matrix}$	$\begin{matrix} 4.2 \\ 4.2 \\ 4.9 \end{matrix}$	$\begin{matrix} 650 \\ 1,025 \\ 1,841 \end{matrix}$
Basic mast unit		$\begin{matrix} V 60A \\ V 63A \\ Y 800B \end{matrix}$	$\begin{matrix} 16.4 \\ 32.9 \\ 19.8 \end{matrix}$	$\begin{matrix} 7.9 \\ 7.9 \\ 9.6 \end{matrix}$	$\begin{matrix} 7.9 \\ 7.9 \\ 9.6 \end{matrix}$	$\begin{matrix} 9,674 \\ 16,502 \\ 19,004 \end{matrix}$
Struts		$\begin{matrix} V 60A \\ V 63A \\ Y 800B \end{matrix}$	$\begin{matrix} 14.8 \\ 14.8 \\ 18.1 \end{matrix}$	$\begin{matrix} 1 \\ 1.1 \\ 1.6 \end{matrix}$	$\begin{matrix} 1 \\ 1.1 \\ 1.5 \end{matrix}$	$\begin{matrix} 919 \\ 1,135 \\ 2,447 \end{matrix}$
Half-bearer		$\begin{matrix} V 60A \\ V 63A \end{matrix}$	$\begin{matrix} 22 \\ 22 \end{matrix}$	$\begin{matrix} 2.3 \\ 2.3 \end{matrix}$	$\begin{matrix} 7.6 \\ 7.6 \end{matrix}$	$\begin{matrix} 3,519 \\ 4,079 \end{matrix}$
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)		$\begin{matrix} YM 850 \\ JM 850 \end{matrix}$	17.1	5.6	4.9	14,771
Basic mast unit		$\begin{matrix} YM 850 \\ JM 850 \end{matrix}$	28.7	8.2	8.2	32,187
Chassis girder		$\begin{matrix} YM 850 \\ JM 850 \end{matrix}$	$\begin{matrix} 12.5 \\ 17.1 \end{matrix}$	$\begin{matrix} 3 \\ 3 \end{matrix}$	$\begin{matrix} 5.1 \\ 5.1 \end{matrix}$	$\begin{matrix} 6,173 \\ 7,055 \end{matrix}$
Chassis ties		$\begin{matrix} YM 850 \\ JM 850 \end{matrix}$	23.6	0.8	1.1	551
Struts		$\begin{matrix} YM 850 \\ JM 850 \end{matrix}$	$\begin{matrix} 24.6 \\ 26.9 \end{matrix}$	$\begin{matrix} 2.5 \\ 2.5 \end{matrix}$	$\begin{matrix} 4.3 \\ 4.3 \end{matrix}$	$\begin{matrix} 4,630 \\ 5,071 \end{matrix}$
Cross girder		ZX 6830	$\begin{matrix} 29.9 \\ 29.9 \end{matrix}$	$\begin{matrix} 3.7 \\ 2.5 \end{matrix}$	$\begin{matrix} 3.6 \\ 4.9 \end{matrix}$	$\begin{matrix} 11,607 \\ 12,004 \end{matrix}$

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			
	100 LVF 30 Optima	fpm	202	259	346	448	533	105	136	180	235	267	100	75	3,087 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	

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

100 LVF 30 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		Total ballast weight		Travelling
	Standard equipment		Jib weight		Required power
	Options		Lorry 44 ft		Power Control Function: winch speeds adapted to the available power
	Potain Plus function: Plus load curves		Container High Cube 40 ft, and/or Flat Rack 20 ft		Consult us
	Hook heights with Plus load curves		Hoisting		
	Reactions in service		Trolleying		
	Reactions out of service		Slewing		



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