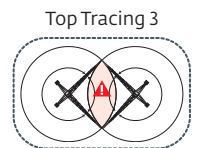
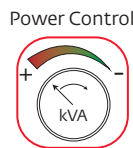
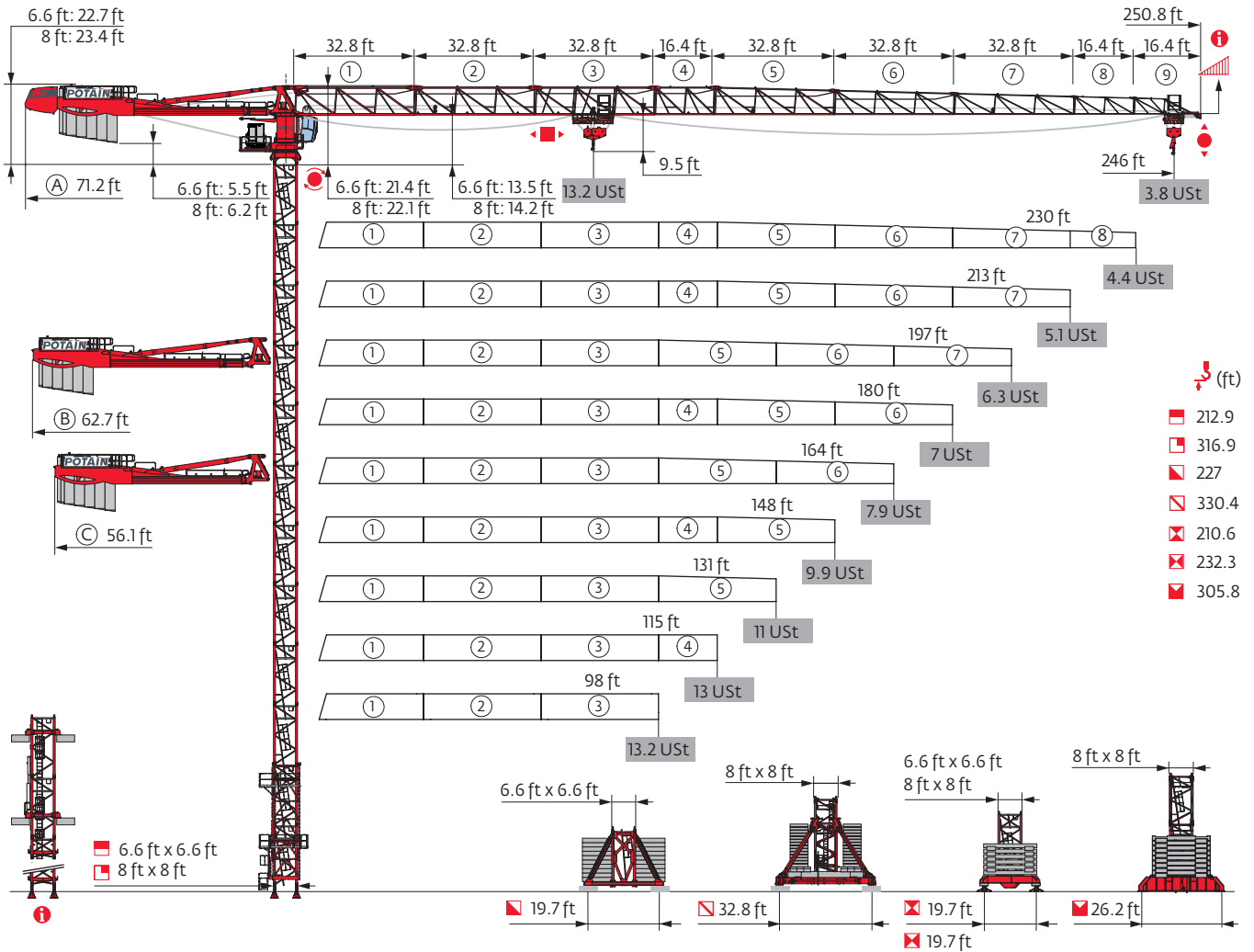


## MDT 389 L12



Mast - Reactions

**6.6 ft - P 602B**

Height (ft)	98	115	131	148	164	180	197	213	230	246
Height (ft)	207.4	212.9	212.9	207.4	212.9	212.9	212.9	202.1	202.1	202.1
Height/P <sub>r</sub> (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	1	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	204	184	194

**6.6 ft - V 60A -**

Height (ft)	98	115	131	148	164	180	197	213	230	246
Height (ft)	216.2	216.2	216.2	216.2	216.2	216.2	210.6	205	205	205
Height/P <sub>r</sub> (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
F3 (Ust)	●	123	126	122	123	125	123	121	124	125
	■	130	132	132	129	133	134	129	127	133

**6.6 ft - V 63A -**

Height (ft)	98	115	131	148	164	180	197	213	230	246
Height (ft)	227	216.2	221.8	227	227	227	227	216.2	216.2	216.2
Height/P <sub>r</sub> (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
F3 (Ust)	●	130	126	128	130	131	131	130	131	132
	■	149	135	143	148	153	153	156	144	150

**6.6 ft - ZX 6830 -**

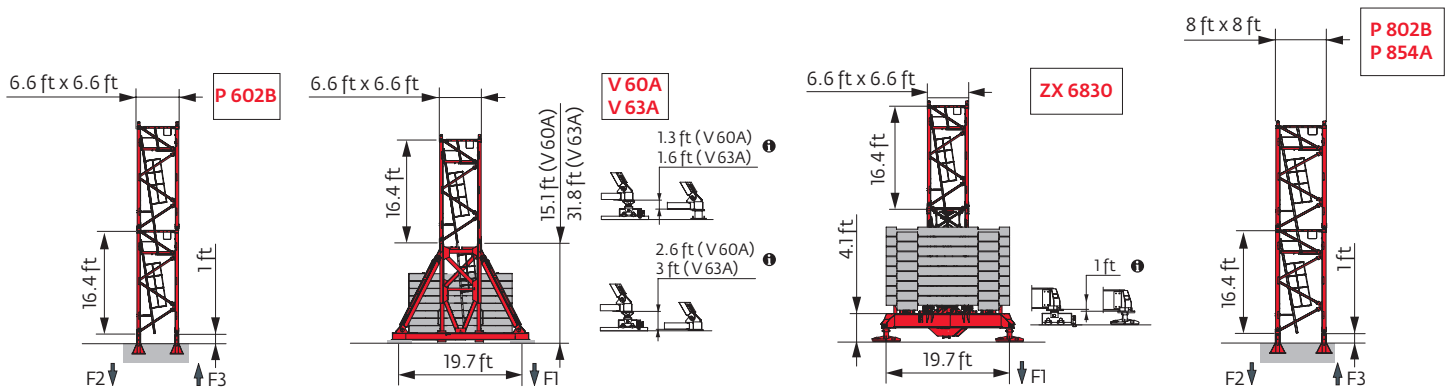
Height (ft)	98	115	131	148	164	180	197	213	230	246
Height (ft)	205	210.6	210.6	205	205	210.6	205	194.2	194.2	194.2
Height/P <sub>r</sub> (ft)	205	194.2	199.5	205	205	205	205	194.2	194.2	194.2
F2 (Ust)	10.9 ft	0	2	2	0	0	0	2	2	2
	16.4 ft	12	11	11	12	12	11	12	10	10
F3 (Ust)	●	117	120	119	122	120	120	115	116	117
	■	118	124	124	118	120	126	120	114	121

**8 ft - P 802B**

Height (ft)	98	115	131	148	164	180	197	213	230	246
Height (ft)	267.7	267.7	267.7	262.1	262.1	262.1	262.1	251.3	251.3	251.3
Height/P <sub>r</sub> (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	1	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 854A**

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



**8 ft - JM 850**

WIND (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 <sub>r</sub> (ft)	330.4	330.4	330.4	330.4	330.4	324.8	324.8	319.2	319.2	314
Accessories	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**

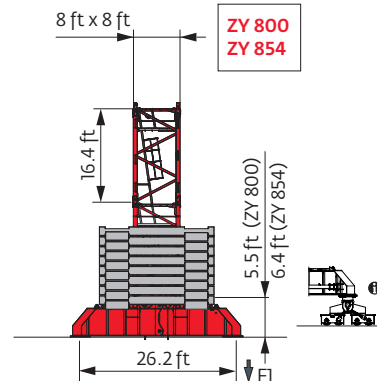
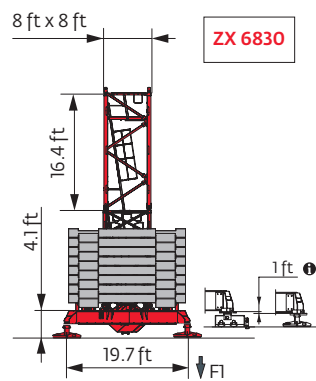
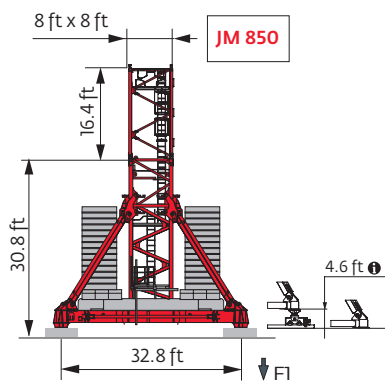
WIND (ft)	98	115	131	148	164	180	197	213	230	246
h (ft)	232.3	232.3	232.3	232.3	232.3	232.3	227	227	221.5	221.5
h/P <sub>r</sub> (ft)	232.3	232.3	232.3	232.3	232.3	232.3	227	227	221.5	221.5
Accessories	10.9 ft	1	1	1	1	1	2	2	0	0
	16.4 ft	13	13	13	13	13	12	12	13	13
FI (Ust)	● 142	147	147	145	147	148	141	146	143	144
	■ 188	190	189	186	191	192	186	191	183	188

**8 ft - ZY 800**

WIND (ft)	98	115	131	148	164	180	197	213	230	246
h (ft)	255.6	255.6	255.6	255.6	255.6	255.6	255.6	244.8	244.8	244.8
h/P <sub>r</sub> (ft)	255.6	255.6	255.6	255.6	255.6	255.6	255.6	244.8	244.8	244.8
Accessories	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)	● 136	141	138	139	139	139	141	135	139	140
	■ 187	188	188	186	192	192	195	185	191	196

**8 ft - ZY 854**

WIND (ft)	98	115	131	148	164	180	197	213	230	246
h (ft)	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	300.2	295
h/P <sub>r</sub> (ft)	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	300.2	295
Accessories	10.9 ft	0	0	0	0	0	0	0	1	2
	16.4 ft	18	18	18	18	18	18	18	17	16
FI (Ust)	● 188	192	192	190	193	193	192	198	197	192
	■ 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.

**i** Motorized accesses: adapted mast compositions, base ballast and reactions.

Anchorage

**i**

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 - 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 / 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 - 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 - 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 / 8 ft - ZY 800 -**

ft	98	115	131	148	164	180	197	213	230	246
255.6	132.3	132.3	119.1	119.1	119.1	119.1	132.3			
244.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	119.1	119.1
228.4	79.4	79.4	79.4	66.1	79.4	79.4	79.4	79.4	79.4	92.6
211.9	66.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	66.1
195.5	52.9	52.9	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
179.1	39.7	39.7	39.7	26.5	26.5	26.5	26.5	26.5	26.5	26.5
162.7	26.5	39.7	26.5	26.5	13.2	13.2	13.2	13.2	13.2	13.2
146.3	13.2	39.7	26.5	26.5	13.2	13.2	13.2	13.2	13.2	13.2
129.9	13.2	39.7	26.5	26.5	13.2	13.2	13.2	13.2	13.2	13.2

**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+

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

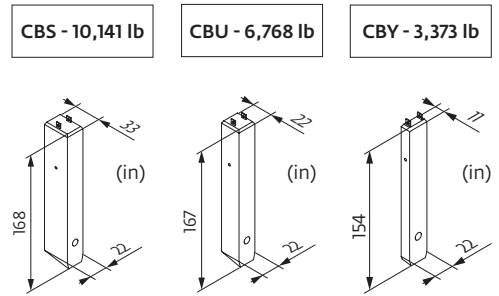


▼▲▲▲▲ (ft)		72	89	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	236	246	ft	
▼▲▲▲▲	▼▲▲▲▲ 13.2 USt	▼▲▲▲▲										▼▲▲▲▲												
▼▲▲▲▲	▼▲▲▲▲ 6.6 USt	▼▲▲▲▲										▼▲▲▲▲												
246	8 → 82	144 - 148	13.2	12.2	10.9	10.1	9.1	8.4	7.6	7.1	6.6	6.2	5.6	5.3	4.9	4.6	4.3	4.1	3.8	3.6	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+

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

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

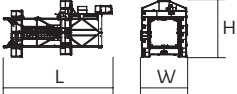

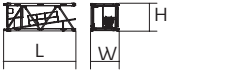
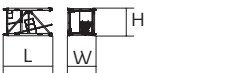


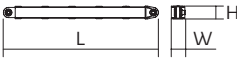


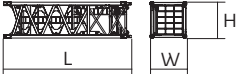
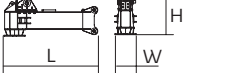
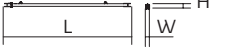



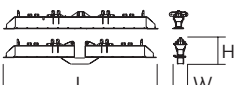


Dimensions and weight

Slewing crane part :  246 ft -  -  -  90 HPL™



Slewing crane part			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib		Ⓐ Ⓑ Ⓒ	39.4	4.1	8.2	31,107
			39.4	4.1	8.2	29,983
			39.4	4.1	8.2	25,441
Cab mast + cab		Ultra View	16.5	7.3	8.2	14,815
Towerhead			6.6 ft	9.7	8.1	16,799
			8 ft	10.7	8.2	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	3.9	8.2	6,934
			33.8	3.9	7.9	5,335
			33.5	3.9	7.8	3,439
			33.6	3.9	6.9	2,723
			33.4	3.9	6	2,094
Jib section		④ ⑧ ⑨	17.3	3.9	7.8	2,116
			16.7	3.9	5	683
			16.7	3.9	4.6	485
Trolley			6.1	5	3.4	882
Pulley block			3.9	1.4	7.6	1,003
Trolley			5.2	5	3.2	463
Trolley			5.6	5	3.4	540
			6.1	5	3.2	520
Pulley block			5.4	0.7	5.8	992
			3.6	0.9	5.3	584

Crane tower			L (ft)	W (ft)	H (ft)	Ib (+/- 5%)
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 85/KR 84B2 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 21,242 22,201 24,670
K 649A KMT 649A KR 649A KRMT 649A K 849A KMT 849A KR 849A KRMT 849A K 85/KR 84A2 KMT 850.10A KMT 850.14A		□ 6.6 ft □ 6.6 ft □ 6.6 ft □ 6.6 ft □ 8 ft □ 8 ft □ 8 ft □ 8 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 17.2 17.5 17.5	6.8 6.8 6.9 6.9 8.3 8.4 8.3 8.4 8.3 8.3 8.3	6.7 6.7 6.8 6.8 8.2 8.3 8.2 8.3 8.2 8.2 8.2	6,184 5,666 7,165 6,724 7,496 6,945 9,458 9,017 12,236 12,015 13,206
K 649C KMT 649C KRMT 649C KRMT 849C		□ 6.6 ft □ 6.6 ft □ 6.6 ft □ 8 ft	11.7 11.7 11.7 11.7	6.8 6.8 6.9 8.4	6.7 6.7 6.8 8.3	4,376 4,542 5,401 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	16.4 32.9	7.9 7.9	7.9 7.9	9,674 16,502
Struts		V 60A V 63A	14.8 14.8	1 1.1	1 1.1	919 1,135
Half-bearer		V 60A V 63A	22 22	2.3 2.3	7.6 7.6	3,519 4,079
Central cross (transport position)		JM 850	17.1	5.6	4.9	14,771
Basic mast unit		JM 850	28.7	8.2	8.2	32,187
Chassis girder		JM 850	17.1	3	5.1	7,055
Chassis ties		JM 850	23.6	0.8	1.1	551
Struts		JM 850	26.9	2.5	4.3	5,071
1/2 Cross girder		ZY 800 ZY 854	18.6 18.6	3.2 3.2	6.3 7.4	10,406 13,095
Cross girder		ZY 800 ZY 854	39.2 39	4.6 4.7	6.3 7.4	22,212 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	
	<b>90 HPL™ 30</b>	fpm USt	176 6.6	228 5	326 3.3	469 1.7	723 0.2	90 13.2	120 9.9	172 6.6	244 3.3	361 0.9	90	66	2,772 ft
	<b>6 DVF 6 Optima</b>	fpm	0 → 138 (13.2 USt) 0 → 276 (8.8 USt) 0 → 328 (4.4 USt)									5.5	4		
	<b>RVF 172 Optima+</b>	rpm	0 → 0.9									2 x 10	2 x 7.5		

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

These most 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

This commercial document is not legally binding. For any technical information, please refer to the corresponding instructions.

