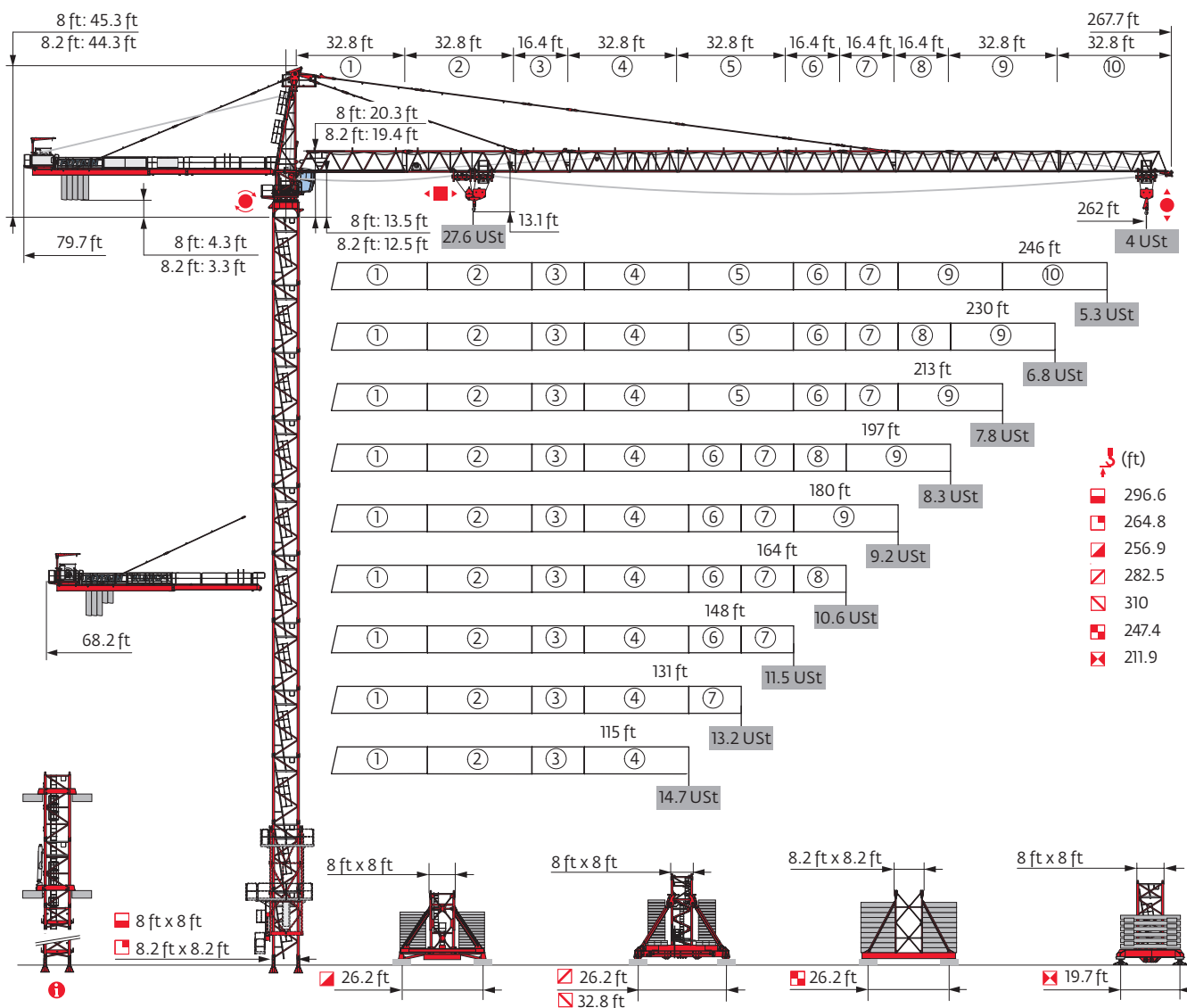
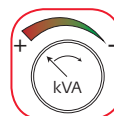


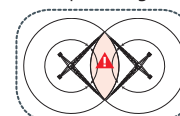
MD 509 M25



Potain Plus Power Control



Top Tracing 3



Top Site



Mast - Reactions

8 ft - P 802B										
(ft)	115	131	148	164	180	197	213	230	246	262
⬇️ (ft)	247.4	247.4	247.4	247.4	247.4	241.8	241.8	241.8	236.2	219.8
⬇️/P _r (ft)	247.4	247.4	247.4	247.4	247.4	241.8	241.8	241.8	236.2	219.8
10.9 ft	0	0	0	0	0	1	1	1	2	2
16.4 ft	15	15	15	15	15	14	14	14	13	12
F2 (Ust)	● 256	261	264	257	259	254	256	256	240	227
	■ 394	402	406	400	405	396	393	399	390	338
F3 (Ust)	● 180	181	183	173	177	171	171	169	154	141
	■ 332	336	338	330	338	327	321	326	317	265

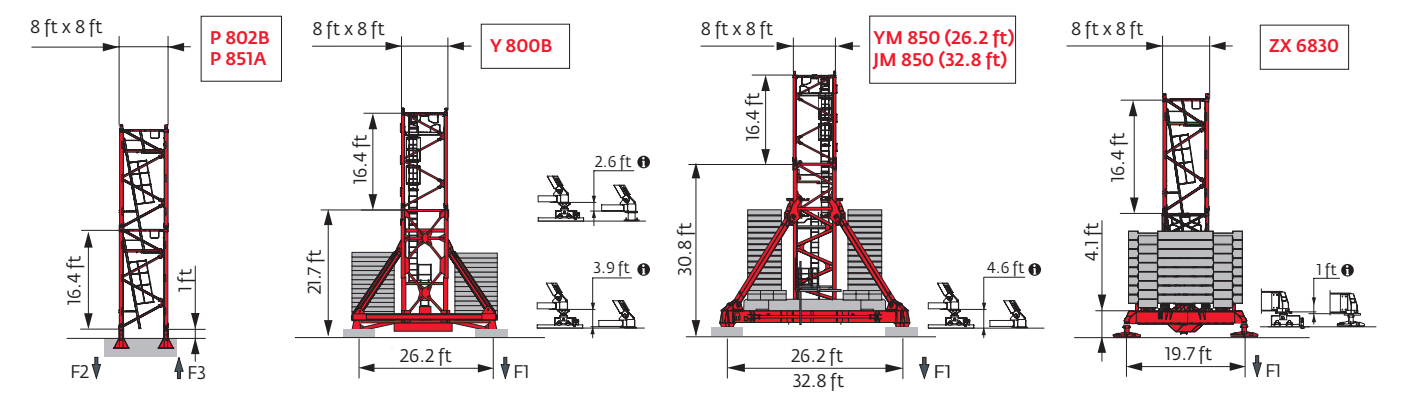
8 ft - Y 800B										
(ft)	115	131	148	164	180	197	213	230	246	262
⬇️ (ft)	256.9	256.9	256.9	256.9	256.9	251.3	251.3	251.3	251.3	234.9
⬇️/P _r (ft)	256.9	256.9	256.9	256.9	256.9	251.3	251.3	251.3	251.3	234.9
10.9 ft	2	2	2	2	2	0	0	0	0	0
16.4 ft	13	13	13	13	13	14	14	14	14	13
F1 (Ust)	● 162	161	163	162	161	155	154	158	155	141
	■ 211	214	216	212	215	204	201	205	207	178




8 ft - ZX 6830										
(ft)	115	131	148	164	180	197	213	230	246	262
⬇️ (ft)	211.9	206.7	206.7	211.9	206.7	211.9	211.9	211.9	211.9	211.9
⬇️/P _r (ft)	211.9	206.7	206.7	211.9	206.7	206.7	211.9	211.9	211.9	211.9
10.9 ft	1	2	2	1	2	1	1	1	1	1
16.4 ft	12	11	11	12	11	12	12	12	12	12
F1 (Ust)	● 161	160	161	161	159	163	162	163	160	158
	■ 185	180	182	185	182	192	188	192	196	192





8 ft - P 851A										
(ft)	115	131	148	164	180	197	213	230	246	262
⬇️ (ft)	296.6	296.6	296.6	296.6	296.6	296.6	296.6	291	291	291
⬇️/P _r (ft)	296.6	296.6	296.6	296.6	296.6	296.6	296.6	291	291	291
10.9 ft	0	0	0	0	0	0	0	1	1	1
16.4 ft	18	18	18	18	18	18	18	17	17	17
F2 (Ust)	● 307	312	316	308	310	309	312	309	304	311
	■ 575	582	589	580	589	592	590	580	585	584
F3 (Ust)	● 220	220	222	213	217	214	214	211	206	211
	■ 501	505	509	499	509	511	505	496	501	497

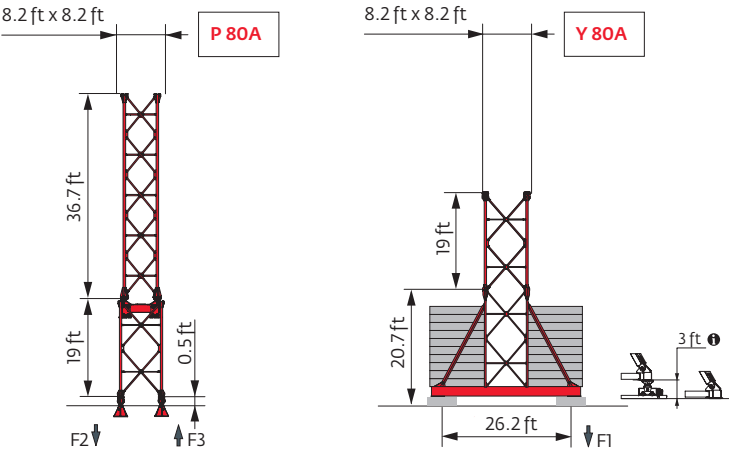
8 ft - YM 850										
(ft)	115	131	148	164	180	197	213	230	246	262
⬇️ (ft)	277.2	277.2	282.5	282.5	282.5	282.5	282.5	282.5	282.5	282.5
⬇️/P _r (ft)	277.2	277.2	282.5	282.5	282.5	282.5	282.5	282.5	282.5	282.5
10.9 ft	0	0	2	2	2	2	2	2	2	2
16.4 ft	15	15	14	14	14	14	14	14	14	14
F1 (Ust)	● 180	180	188	187	186	187	188	189	187	191
	■ 246	249	265	261	265	267	264	267	270	269

8 ft - JM 850										
(ft)	115	131	148	164	180	197	213	230	246	262
⬇️ (ft)	310	310	310	310	310	310	310	310	310	310
⬇️/P _r (ft)	310	310	310	310	310	310	310	310	310	310
10.9 ft	0	0	0	0	0	0	0	0	0	0
16.4 ft	17	17	17	17	17	17	17	17	17	17
F1 (Ust)	● 171	170	172	171	171	171	173	174	172	176
	■ 245	248	250	246	250	251	249	252	254	254



8.2 ft - P 80A										
W (ft)	115	131	148	164	180	197	213	230	246	262
 (ft)	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8
 / P _r (ft)	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8
	36.7 ft	1	1	1	1	1	1	1	1	1
	19 ft	12	12	12	12	12	12	12	12	12
F2 (Ust)	● 234	238	242	235	237	235	238	238	232	237
	■ 330	337	341	336	341	344	342	347	352	348
F3 (Ust)	● 154	154	156	147	150	148	147	145	140	142
	■ 264	267	269	261	268	270	265	269	273	267

8.2 ft - Y 80A - 										
W (ft)	115	131	148	164	180	197	213	230	246	262
 (ft)	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4
 / P _r (ft)	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4
	36.7 ft	1	1	1	1	1	1	1	1	1
	19 ft	10	10	10	10	10	10	10	10	10
F1 (Ust)	● 126	129	131	126	129	129	128	128	126	128
	■ 144	147	148	144	148	149	147	150	152	149



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) / 8 ft - Y 800B - ⚙️										
ΔΔΔ (ft)	115	131	148	164	180	197	213	230	246	262
⚙️ (ft)	256.9	198.4	185.2	185.2	185.2	185.2				
	251.3	185.2	172	172	158.7	172	172	158.7	172	
	234.9	145.5	145.5	132.3	132.3	132.3	132.3	132.3	132.3	132.3
	218.5	105.8	105.8	105.8	92.6	105.8	105.8	92.6	92.6	105.8
	202.1	79.4	79.4	79.4	66.1	79.4	79.4	66.1	66.1	66.1
	185.7	66.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	169.3	52.9	39.7	39.7	39.7	52.9	52.9	52.9	52.9	52.9
	152.9	52.9	39.7	39.7	39.7	52.9	52.9	52.9	52.9	52.9
	136.5	39.7	39.7	39.7	26.5	52.9	52.9	52.9	52.9	52.9
	120.1	39.7	39.7	39.7	26.5	52.9	52.9	52.9	52.9	52.9
	103.7	39.7	39.7	39.7	26.5	52.9	52.9	52.9	52.9	52.9
	87.3	39.7	39.7	39.7	26.5	52.9	52.9	52.9	52.9	52.9
	70.9	39.7	39.7	39.7	26.5	52.9	52.9	52.9	52.9	52.9

⚙️ (USt) / 8 ft - YM 850 - ⚙️										
ΔΔΔ (ft)	115	131	148	164	180	197	213	230	246	262
⚙️ (ft)	282.5		238.1	238.1	238.1	238.1	238.1	238.1	238.1	238.1
	277.2	238.1	224.9	224.9	211.6	224.9	211.6	224.9	224.9	211.6
	260.8	198.4	185.2	185.2	185.2	185.2	185.2	185.2	185.2	172
	244.4	158.7	158.7	145.5	145.5	158.7	145.5	145.5	145.5	145.5
	228	119.1	119.1	119.1	105.8	119.1	105.8	105.8	119.1	105.8
	211.6	92.6	92.6	92.6	79.4	92.6	79.4	79.4	79.4	66.1
	195.2	66.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	178.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	162.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	146	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	129.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	113.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	96.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	80.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9

⚙️ (USt) / 8 ft - ZX 6830 - ⚙️										
ΔΔΔ (ft)	115	131	148	164	180	197	213	230	246	262
⚙️ (ft)	211.9	188.5		177.5		188.5	177.5	177.5	188.5	177.5
	206.7	177.5	177.5	177.5	155.4	177.5	166.5	166.5	166.5	166.5
	190.3	144.4	133.4	133.4	122.4	133.4	133.4	133.4	133.4	144.4
	173.9	133.4	133.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4
	157.5	122.4	111.3	111.3	111.3	122.4	122.4	122.4	122.4	122.4
	141.1	111.3	111.3	111.3	100.3	111.3	111.3	111.3	111.3	111.3
	124.7	111.3	111.3	111.3	100.3	111.3	111.3	111.3	111.3	111.3
	108.3	111.3	111.3	111.3	100.3	111.3	111.3	111.3	111.3	111.3
	91.9	111.3	111.3	111.3	100.3	111.3	111.3	111.3	111.3	111.3
	75.5	111.3	111.3	111.3	100.3	111.3	111.3	111.3	111.3	111.3

⚙️ (USt) / 8 ft - JM 850 - ⚙️										
ΔΔΔ (ft)	115	131	148	164	180	197	213	230	246	262
⚙️ (ft)	310	211.6	198.4	198.4	198.4	198.4	198.4	198.4	198.4	198.4
	293.6	172	172	172	158.7	172	172	158.7	158.7	158.7
	277.2	145.5	145.5	145.5	132.3	145.5	145.5	132.3	132.3	132.3
	260.8	119.1	119.1	119.1	105.8	119.1	105.8	105.8	105.8	105.8
	244.4	92.6	92.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4
	228	66.1	66.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	211.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	195.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	178.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	162.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	146	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	129.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	113.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	96.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	80.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9

⚙️ (USt) / 8.2 ft - Y 80A - ⚙️										
ΔΔΔ (ft)	115	131	148	164	180	197	213	230	246	262
⚙️ (ft)	247.4	105.8	105.8	105.8	92.6	105.8	105.8	92.6	92.6	92.6
	228.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
	209.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
	190.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
	171.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
	152.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
	133.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
	114.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
	95.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
	76.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4

Load curves



		(ft)	49	56	66	82	89	98	115	121	131	148	154	164	180	187	197	213	220	230	246	253	262	ft
262	12 → 50	91 - 100	27.6	24.5	20.5	15.6	14.2	13.8	11.8	11	10.1	8.8	8.3	7.7	6.8	6.5	6.1	5.5	5.3	4.9	4.4	4.2	3.8	USt
	12 → 54	98 - 108	27.6	26.4	22.3	17.2	15.7	13.7	12.9	12.1	11	9.6	9.1	8.4	7.5	7.1	6.7	6	5.7	5.4	4.8	4.5	4	USt P_+
246	12 → 54	99 - 108	27.6	25.9	22.5	17.3	15.8	13.9	12.9	12.2	11.1	9.7	9.2	8.6	7.6	7.3	6.8	6.1	5.8	5.5	4.9			USt
	12 → 56	103 - 113	27.6	27.6	23.5	18.2	16.6	14.6	13.6	12.8	11.7	10.2	9.7	9.1	8.1	7.7	7.2	6.5	6.3	5.9	5.3			USt P_+
230	12 → 61	111 - 121	27.6	27.6	25.6	19.9	18.2	16.1	13.8	13.7	12.6	11	10.5	9.7	8.7	8.3	7.8	7	6.7	6.4				USt
	12 → 63	115 - 125	27.6	27.6	26.2	20.5	18.8	16.6	13.8	13.8	13.1	11.5	10.9	10.2	9.1	8.7	8.2	7.5	7.2	6.8				USt P_+
213	12 → 63	113 - 122	27.6	27.6	26	20.3	18.6	16.4	13.8	13.8	12.8	11.2	10.6	9.9	8.8	8.5	7.9	7.2						USt
	12 → 65	118 - 129	27.6	27.6	27	21.2	19.4	17.2	14.3	13.8	13.5	11.9	11.3	10.5	9.4	9.1	8.6	7.8						USt P_+
197	12 → 62	112 - 122	27.6	27.6	25.8	20	18.3	16.1	13.8	13.8	12.7	11.1	10.6	9.8	8.8	8.4	7.9							USt
	12 → 62	116 - 125	27.6	27.6	26.1	20.6	18.8	16.7	13.9	13.8	13.1	11.5	11	10.2	9.2	8.8	8.3							USt P_+
180	12 → 64	115 - 125	27.6	27.6	26.7	20.6	18.9	16.6	13.8	13.8	13	11.4	10.8	10.1	9									USt
	12 → 64	116 - 126	27.6	27.6	26.7	20.7	19	16.8	14	13.8	13.2	11.6	11	10.3	9.2									USt P_+
164	12 → 65	117 - 127	27.6	27.6	27	21	19.2	17	14.1	13.8	13.3	11.6	11.1	10.3										USt
	12 → 65	119 - 129	27.6	27.6	27	21.3	19.5	17.2	14.4	13.8	13.5	11.9	11.3	10.6										USt P_+
148	12 → 65	116 - 126	27.6	27.6	27	21	19.2	16.9	13.9	13.8	13.1	11.5												USt
	12 → 65	116 - 126	27.6	27.6	27	21	19.2	16.9	13.9	13.8	13.1	11.5												USt P_+
131	12 → 65	117 - 126	27.6	27.6	27	20.9	19.1	16.8	14	13.8	13.2													USt
	12 → 65	117 - 126	27.6	27.6	27	20.9	19.1	16.8	14	13.8	13.2													USt P_+
115	12 → 66		27.6	27.6	27.6	21.2	19.5	17.1	14.1															USt
	12 → 66		27.6	27.6	27.6	21.2	19.5	17.1	14.1															USt P_+

$$W = U - 1.73 \text{ USt max.}$$



		(ft)	49	56	66	82	89	98	115	121	131	148	154	164	180	187	197	213	220	230	246	253	262	ft
262	8 → 51	94 - 96	27.6	25.1	21	16.2	14.8	13.4	11.1	10.4	9.4	8.1	7.7	7.1	6.2	5.9	5.5	4.8	4.6	4.3	3.7	3.5	3.2	USt
	8 → 55	101 - 104	27.6	26.9	22.9	17.8	16.3	14.3	12.2	11.4	10.4	8.9	8.4	7.8	6.8	6.5	6	5.3	5.1	4.7	4.1	3.9	3.4	USt P_+
246	8 → 55	102 - 105	27.6	26.5	23.1	17.9	16.4	14.5	12.4	11.6	10.6	9.2	8.7	8	7.1	6.7	6.2	5.6	5.3	4.9	4.4			USt
	8 → 57	107 - 110	27.6	27.6	24.1	18.7	17.2	15.2	13.1	12.2	11.2	9.7	9.2	8.5	7.6	7.2	6.7	6	5.7	5.3	4.8			USt P_+
230	8 → 62	115 - 118	27.6	27.6	26.1	20.5	18.8	16.7	13.9	13.3	12.2	10.6	10	9.3	8.2	7.9	7.3	6.6	6.3	5.9				USt
	8 → 64	119 - 122	27.6	27.6	26.8	21.1	19.4	17.2	14.4	13.8	12.7	11.1	10.5	9.8	8.7	8.3	7.8	7	6.8	6.4				USt P_+
213	8 → 64	117 - 119	27.6	27.6	26.6	20.9	19.2	17	14.1	13.2	12.4	10.8	10.2	9.5	8.4	8	7.5	6.8						USt
	8 → 66	123 - 125	27.6	27.6	27.6	21.8	20	17.8	14.9	14	13.1	11.4	10.9	10.1	9	8.7	8.1	7.4						USt P_+
197	8 → 63	116 - 119	27.6	27.6	26.4	20.6	18.8	16.7	14	13.4	12.3	10.7	10.2	9.4	8.4	8	7.5							USt
	8 → 64	120 - 122	27.6	27.6	26.6	21.1	19.4	17.2	14.4	13.8	12.7	11.1	10.5	9.8	8.7	8.4	7.9							USt P_+
180	8 → 65	119 - 122	27.6	27.6	27.3	21.2	19.4	17.2	14.4	13.8	12.6	11	10.4	9.7	8.6									USt
	8 → 65	120 - 123	27.6	27.6	27.3	21.3	19.5	17.4	14.6	13.8	12.8	11.2	10.6	9.9	8.8									USt P_+
164	8 → 66	121 - 124	27.6	27.6	27.6	21.6	19.8	17.5	14.6	13.8	12.9	11.2	10.6	9.9										USt
	8 → 66	123 - 126	27.6	27.6	27.6	21.8	20	17.8	15	14	13.1	11.5	10.9	10.1										USt P_+
148	8 → 66	119 - 123	27.6	27.6	27.6	21.6	19.7	17.4	14.5	13.8	12.7	11.1												USt
	8 → 66	119 - 123	27.6	27.6	27.6	21.6	19.7	17.4	14.5	13.8	12.7	11.1												USt P_+
131	8 → 66	121 - 123	27.6	27.6	27.6	21.5	19.7	17.4	14.6	13.8	12.8													USt
	8 → 66	121 - 123	27.6	27.6	27.6	21.5	19.7	17.4	14.6	13.8	12.8													USt P_+
115	8 → 67		27.6	27.6	27.6	21.8	20	17.7	14.7															USt
	8 → 67		27.6	27.6	27.6	21.8	20	17.7	14.7															USt P_+

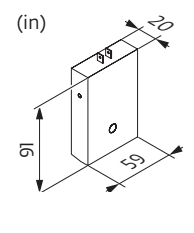
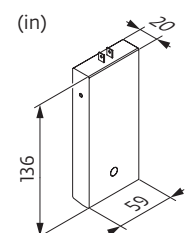
$$W = U - 0.52 \text{ USt max.}$$

Jib weight & counter-jib ballast

		(lb) (+/- 5%)		100 LVF		180 LVF GH		
				13,228 lb	8,818 lb	(lb)	13,228 lb	8,818 lb
262 ft	43,497	42,505	44,688	5	0	66,139	3	2
246 ft	42,097	41,105	43,288	4	1	61,729	3	1
230 ft	41,734	40,741	42,924	4	1	61,729	3	1
213 ft	40,124	39,132	41,315	3	2	57,320	2	2
197 ft	37,721	36,729	38,912	3	1	48,502	2	1
180 ft	36,123	35,131	37,313	2	2	44,092	1	2
164 ft	34,921	33,929	36,112	3	2	57,320	2	2
148 ft	33,323	32,331	34,513	3	1	48,502	2	1
131 ft	31,151	30,159	32,342	2	2	44,092	1	2
115 ft	28,671	27,679	29,862	2	1	35,274	1	1

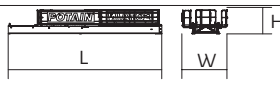
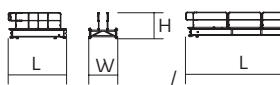

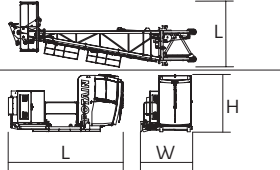
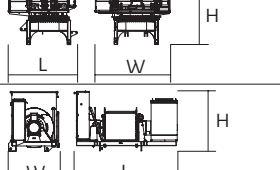
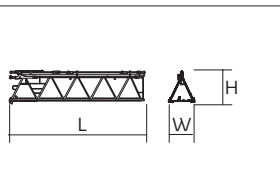
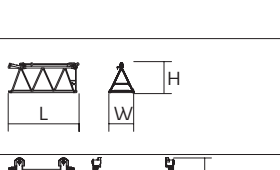
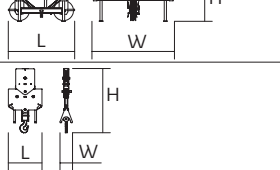
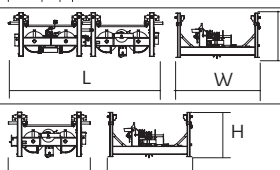
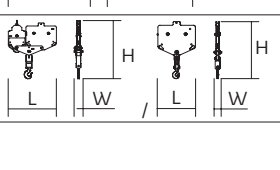

CBC - 13,228 lb

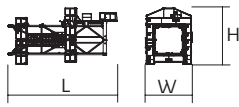
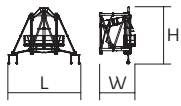
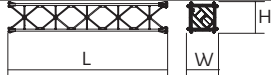

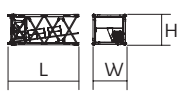



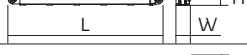
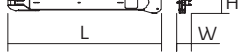

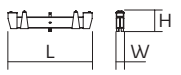
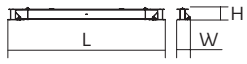
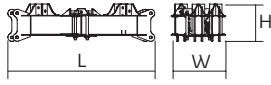

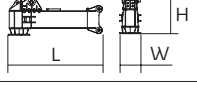

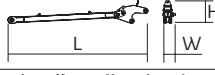

CBD - 8,818 lb










Dimensions and weight



Slewing crane part:  262 ft -  100 LVF

Slewing crane part		L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib		35.4	10.2	5.6	8,300
		12.1	6.2	5.6	2,172
		26.9	6.2	5.6	4,575
Cathead		13.8	7.3	38.7	16,524
Cab	 Ultra View	16.5	7.3	8.2	3,704
Towerhead		12.5	14	9.7	20,349
		12.5	14	8.7	18,805
Hoisting winch (+ rope)		10.4	5.2	5.7	9,138
		14	6.3	6.2	20,338
Jib section	 ①	33.7	6.6	7.8	7,066
	 ② 10 DVF	33.7	6.2	7.4	8,223
	④	33.6	6.2	7.3	4,729
	⑤	33.6	6.2	7.3	4,001
	⑨	33.4	6.2	6.5	2,800
	⑩	33.2	6.2	6.4	1,764
Jib section	③	17.6	6.2	7.4	3,197
	⑥	17.2	6.2	7.3	2,183
	⑦	17.1	6.2	7.3	2,480
	⑧	17.1	6.2	6.6	1,609
Trolley	27.6 USt	5.9	7.3	4.7	1,587
Pulley block	27.6 USt	3.9	1.4	7.4	1,973
Trolley	27.6 USt	13.5	7.2	3.8	2,635
Trolley	13.8 USt	7	7.2	3.8	1,422
Pulley block	27.6 USt	6	1.1	7.7	1,995
	13.8 USt	3.9	0.7	6.4	992

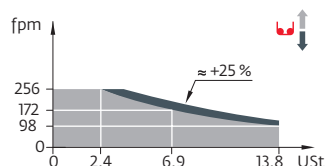
Crane tower			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Telescopic cage T 851		□ 8 ft	36.7	15.9	19	34,723
Telescopic cage		□ 8.2 ft	24.3	12	19.1	13,669
Slider		□ 8.2 ft	36.4	6.9	6.9	15,653
Slider base		□ 8.2 ft	7.7	5.2	7.7	13,140
K 850/KR 849B KM 850-10B KRMT 849A K 849A KR 849A K 850/KR 849A KMT 850.10A KR 849C KRMT 849C		□ 8 ft	33.6 33.9 17.2 17.2 17.2 17.2 17.5 11.7 11.7	8.3 8.1 8.4 8.3 8.3 8.3 8.3 8.4 8.4	8.2 8.3 8.3 8.2 8.2 8.2 8.2 8.3 8.3	20,878 22,201 9,017 7,496 9,458 12,291 12,015 7,044 7,066
R 87 R 86 R 85		□ 8.2 ft	21 21 21	9.5 9.5 9.5	9.5 9.5 9.5	9,392 8,422 8,157
Fixing angles		P 802B P 851A P 80A	2.5 3 2.6	2.5 3 2.6	4.2 4.9 4	1,025 1,841 4,343
Basic mast unit		Y 800B Y 80A	19.8 19.7	9.6 9.8	9.6 9.8	19,004 16,314
Struts		Y 800B Y 80A	18.1 18	1.6 1.4	1.5 1.2	2,447 1,764
1/2 Side member		Y 800B Y 80A	18.6 18.4	4.1 3.8	2.4 2	3,351 2,205
Side member		Y 800B Y 80A	39.4 38.9	4.1 3.8	2.4 2	6,724 4,630
Ballast support		Y 800B Y 80A	12.3 15.3	1.2 1	3 2.2	2,392 595
Chassis beam		Y 800B Y 80A	28.5 28.2	2.7 2.3	2.4 3.8	4,938 4,409
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	
	100 LVF 63 Optima	fpm	98	126	172	226	256	49	64	89	116	128	100	75	2,382 ft
		USt	13.8	10.4	6.9	3.4	2.4	27.6	20.7	13.8	6.9	6			
	180 LVF 63 GH Optima	fpm	177	218	289	448	630	89	110	148	236	315	180	132	3,937 ft
		USt	13.8	10.4	6.9	3.4	1	27.6	20.7	13.8	6.9	3.4			
	10 DVF 10 Optima	fpm	0 → 217 (27,6 USt) 0 → 262 (22.1 USt) 0 → 328 (13.8 USt) 0 → 361 (6.9 USt)										10	7.4	
	RVF 173 Optima+	rpm	0 → 0.9										3 x 10	3 x 7.5	

	IEC 60204-32		kVA
480 V (+6% -10%) 60 Hz		100 LVF : 117 → 77 kVA 180 LVF GH : 181 → 109 kVA	
			

100 LVF 63 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.

	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		
	Total ballast weight		Travelling		



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