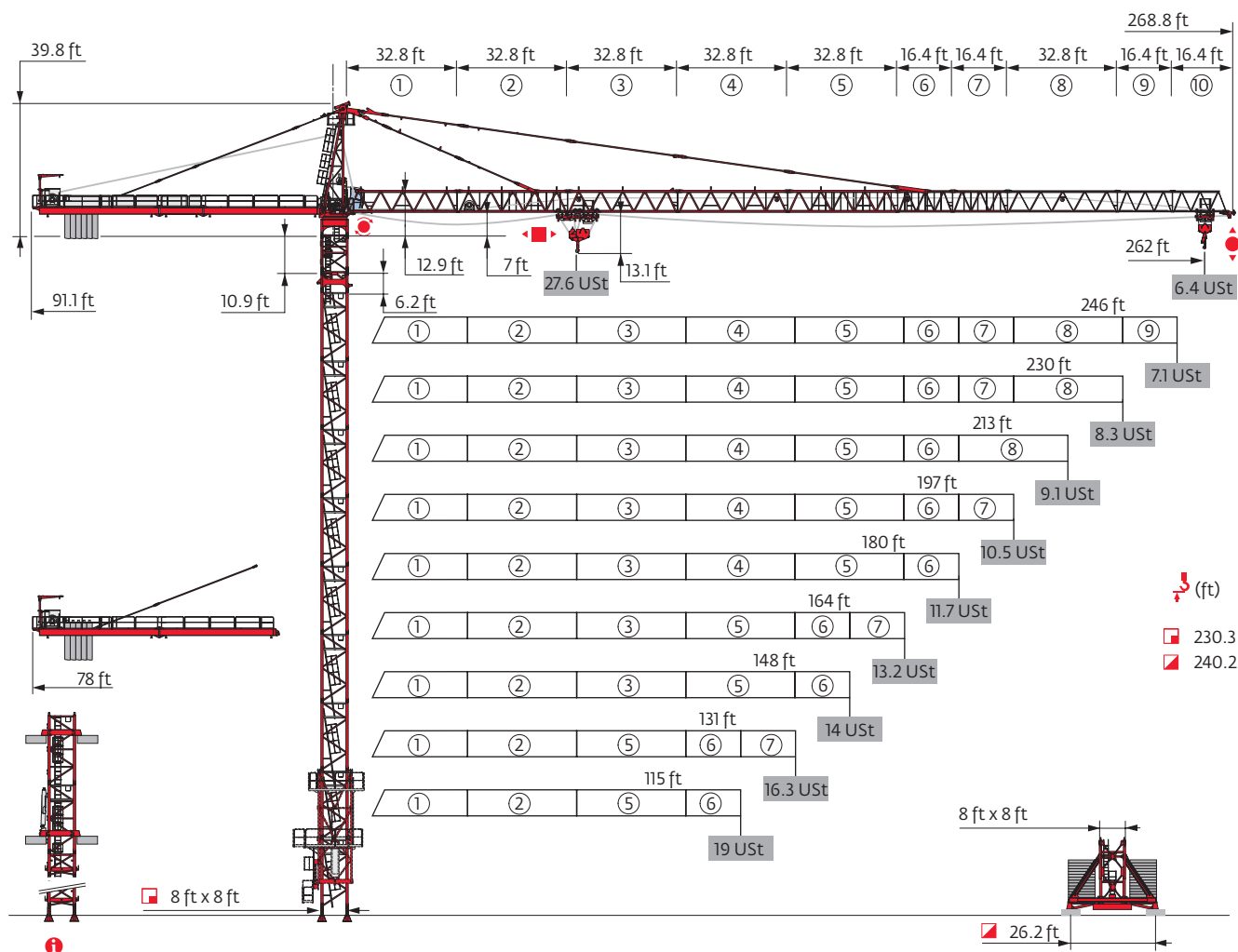


MD 569

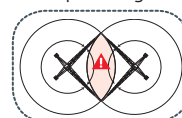
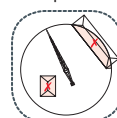
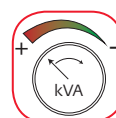


Potain Plus

Power Control

Top Site

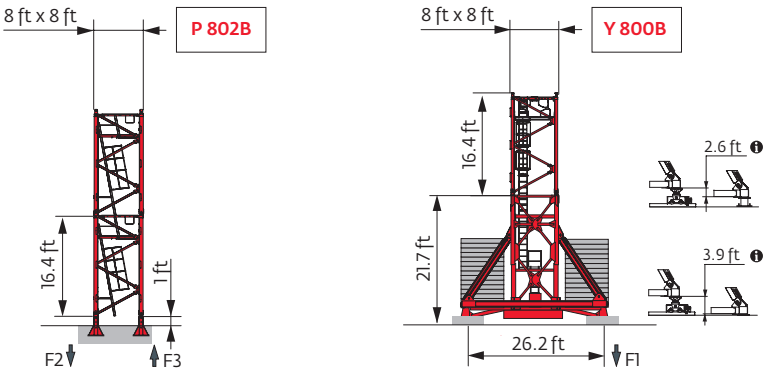
Top Tracing 3



Mast - Reactions

8 ft - P 802B										
MAST (ft)	115	131	148	164	180	197	213	230	246	262
↓ (ft)	230.3	230.3	225.1	230.3	225.1	225.1	219.5	219.5	208.7	208.7
↓/P _r (ft)	230.3	230.3	225.1	230.3	225.1	225.1	219.5	219.5	208.7	208.7
10.9 ft	1	1	1	1	1	1	1	1	1	1
6.2 ft	1	1	1	1	1	1	1	1	1	1
10.9 ft	2	2	0	2	0	0	1	1	0	0
16.4 ft	12	12	13	12	13	13	12	12	12	12
F2 (Ust)	● 267	271	270	272	262	264	259	257	251	252
	■ 324	329	293	334	305	314	296	307	274	275
F3 (Ust)	● 171	172	183	169	173	159	168	150	149	150
	■ 242	244	206	245	215	223	205	214	181	180

8 ft - Y 800B										
MAST (ft)	115	131	148	164	180	197	213	230	246	262
↓ (ft)	240.2	240.2	229.3	240.2	229.3	229.3	229.3	229.3	218.2	212.9
↓/P _r (ft)	240.2	240.2	229.3	240.2	229.3	229.3	229.3	229.3	218.2	212.9
10.9 ft	1	1	1	1	1	1	1	1	1	1
6.2 ft	1	1	1	1	1	1	1	1	1	1
10.9 ft	1	1	0	1	0	0	0	0	2	0
16.4 ft	12	12	12	12	12	12	12	12	10	11
F1 (Ust)	● 143	145	136	143	138	137	139	138	140	136
	■ 157	159	136	161	140	143	142	145	140	131



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

<div><div><div></div><div></div><div></div></div><div>(Ust) / 8 ft - Y 800B - <div></div></div></div>										
▲▲▲ (ft)	115	131	148	164	180	197	213	230	246	262
240.2	105.8	105.8		92.6						
229.3	92.6	92.6	92.6	79.4	92.6	79.4	92.6	79.4		
218.2	92.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	92.6	
212.9	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
196.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
180.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
163.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
147.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
130.9	79.4	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	79.4
98.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
81.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4

Load curves



		(ft)	56	66	82	89	98	115	121	131	148	154	164	180	187	197	213	220	230	236	246	253	262	ft
		27.6 USt																						
		13.8 USt																						
262	13 → 68	121 - 133	27.6	27.6	22.2	20.3	17.8	14.7	13.8	13.8	12.2	11.5	10.7	9.6	9.2	8.6	7.8	7.5	7.1	6.8	6.5	6.2	5.9	USt
	13 → 70	126 - 138	27.6	27.6	23	21.1	18.6	15.4	14.4	13.8	12.8	12.2	11.3	10.1	9.7	9.1	8.3	8	7.5	7.3	6.9	6.7	6.4	USt P+
246	13 → 69	123 - 134	27.6	27.6	22.5	20.5	18.1	15	14	13.8	12.3	11.7	10.9	9.7	9.3	8.7	7.9	7.6	7.2	6.9	6.6			USt
	13 → 71	128 - 140	27.6	27.6	23.4	21.4	18.9	15.8	14.7	13.8	13	12.4	11.5	10.3	9.9	9.3	8.4	8.1	7.7	7.5	7.1			USt P+
230	13 → 72	130 - 140	27.6	27.6	23.8	21.8	19.2	16	14.9	13.8	13	12.4	11.5	10.3	9.9	9.3	8.4	8.1	7.7					USt
	13 → 75	136 - 148	27.6	27.6	24.9	22.8	20.2	16.9	15.8	14.4	13.8	13.1	12.2	11	10.5	9.9	9	8.7	8.3					USt P+
213	13 → 73	130 - 141	27.6	27.6	23.9	21.9	19.3	16.1	15	13.8	13.1	12.4	11.6	10.3	9.9	9.3	8.5							USt
	13 → 76	137 - 149	27.6	27.6	25.1	23	20.4	17	15.9	14.5	13.8	13.2	12.3	11.1	10.6	10	9.1							USt P+
197	13 → 76	135 - 147	27.6	27.6	25.1	22.9	20.3	16.9	15.8	14.3	13.7	13	12.1	10.8	10.4	9.8								USt
	13 → 79	143 - 155	27.6	27.6	26.4	24.2	21.4	17.9	16.8	15.3	13.8	13.8	13	11.6	11.2	10.5								USt P+
180	13 → 76	136 - 148	27.6	27.6	25.2	23	20.3	16.9	15.8	14.4	13.7	13.1	12.2	10.9										USt
	13 → 79	144 - 156	27.6	27.6	26.6	24.3	21.6	18	16.9	15.4	13.8	13.8	13.1	11.7										USt P+
164	13 → 76	136 - 148	27.6	27.6	25.2	23.1	20.4	17	15.9	14.4	13.8	13.1	12.2											USt
	13 → 80	145 - 157	27.6	27.6	26.7	24.5	21.7	18.2	17	15.5	13.8	13.8	13.2											USt P+
148	13 → 76	136 - 148	27.6	27.6	25.2	23	20.4	16.9	15.8	14.4	13.8													USt
	13 → 80	145 - 148	27.6	27.6	26.8	24.5	21.8	18.2	17.1	15.5	13.8													USt P+
131	13 → 76		27.6	27.6	25.4	23.2	20.5	17.1	16	14.5														USt
	13 → 81		27.6	27.6	27	24.8	22	18.4	17.3	15.7														USt P+
115	13 → 76		27.6	27.6	25.4	23.2	20.5	17.1																USt
	13 → 81		27.6	27.6	27	24.9	22.1	18.5																USt P+

$$USt = USt - 1.59 USt \text{ max.}$$



		(ft)	56	66	82	89	98	115	121	131	148	154	164	180	187	197	213	220	230	236	246	253	262	ft
		27.6 USt																						
		13.8 USt																						
262	9 → 70	127 - 129	27.6	27.6	23	21.1	18.6	15.5	14.5	13.5	11.7	11.1	10.3	9.1	8.7	8.2	7.3	7.1	6.6	6.4	6	5.8	5.5	USt
	9 → 72	132 - 135	27.6	27.6	23.8	21.8	19.4	16.2	15.2	13.8	12.4	11.7	10.9	9.7	9.3	8.7	7.9	7.5	7.1	6.9	6.5	6.3	6	USt P+
246	9 → 71	128 - 130	27.6	27.6	23.2	21.2	18.8	15.7	14.7	13.7	11.9	11.3	10.4	9.3	8.9	8.3	7.5	7.2	6.8	6.5	6.2			USt
	9 → 73	133 - 136	27.6	27.6	24.1	22.1	19.6	16.4	15.4	14.1	12.6	11.9	11.1	9.9	9.5	8.9	8	7.7	7.3	7	6.7			USt P+
230	9 → 74	134 - 137	27.6	27.6	24.4	22.4	19.8	16.6	15.5	14.1	12.6	12	11.1	9.9	9.5	8.9	8	7.7	7.3					USt
	9 → 76	141 - 144	27.6	27.6	25.5	23.4	20.8	17.4	16.4	15	13.4	12.7	11.8	10.6	10.1	9.5	8.6	8.3	7.9					USt P+
213	9 → 74	134 - 138	27.6	27.6	24.5	22.5	19.9	16.6	15.6	14.2	12.7	12	11.2	9.9	9.5	8.9	8							USt
	9 → 77	142 - 145	27.6	27.6	25.7	23.6	20.9	17.6	16.5	15.1	13.5	12.8	11.9	10.6	10.2	9.6	8.7							USt P+
197	9 → 77	140 - 143	27.6	27.6	25.6	23.5	20.8	17.4	16.3	14.9	13.3	12.6	11.7	10.4	10	9.4								USt
	9 → 80	148 - 151	27.6	27.6	26.9	24.7	22	18.5	17.4	15.9	13.8	13.5	12.6	11.2	10.8	10.1								USt P+
180	9 → 77	140 - 143	27.6	27.6	25.7	23.6	20.9	17.5	16.4	14.9	13.3	12.7	11.8	10.5										USt
	9 → 81	149 - 152	27.6	27.6	27.1	24.9	22.2	18.6	17.5	16	13.9	13.6	12.6	11.3										USt P+
164	9 → 77	141 - 144	27.6	27.6	25.8	23.7	21	17.6	16.4	15	13.4	12.7	11.8											USt
	9 → 81	150 - 153	27.6	27.6	27.3	25.1	22.3	18.8	17.6	16.1	14	13.7	12.7											USt P+
148	9 → 77	141 - 144	27.6	27.6	25.8	23.6	20.9	17.5	16.4	15	13.3													USt
	9 → 81		27.6	27.6	27.3	25.1	22.3	18.8	17.6	16.1	14													USt P+
131	9 → 78		27.6	27.6	26	23.8	21.1	17.7	16.6	15.1														USt
	9 → 82		27.6	27.6	27.6	25.4	22.6	19	17.8	16.3														USt P+
115	9 → 78		27.6	27.6	25.9	23.8	21.1	17.6																USt
	9 → 82		27.6	27.6	27.6	25.5	22.7	19																USt P+

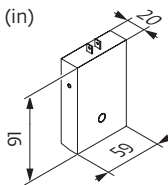
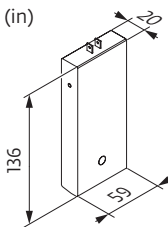
$$USt = USt - 0.38 USt \text{ max.}$$

Jib weight & counter-jib ballast



		(lb)																							
		(+/- 5%)																							
			13,228 lb	8,818 lb	(lb)	13,228 lb	8,818 lb	(lb)																	
262 ft		56,516	6	0	79,366	4	2	70,548																	
246 ft		55,413	5	1	74,957	3	3	66,139																	
230 ft		54,201	5	1	74,957	2	4	61,729																	
213 ft		51,809	5	0	66,139	1	5	57,320																	
197 ft		51,136	5	0	66,139	2	3	52,911																	
180 ft		48,744	4	1	61,729	1	4	48,502																	
164 ft		45,040	5	0	66,139	2	3	52,911																	
148 ft		42,659	4	1	61,729	2	3	52,911																	
131 ft		38,592	2	3	52,911	1	3	39,683																	
115 ft		36,211	1	4	48,502	0	4	35,274																	

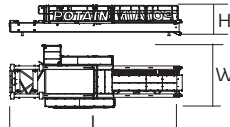
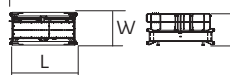
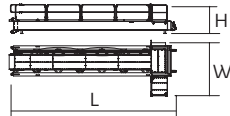
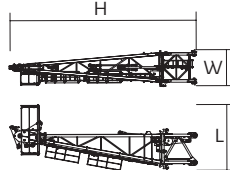

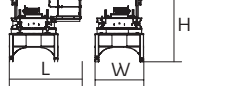
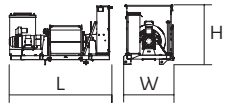
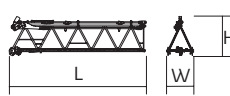
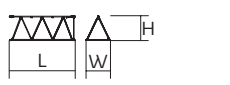
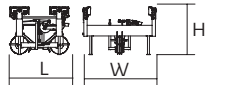

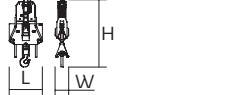

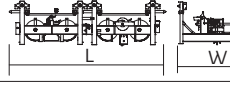

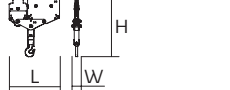

CBC - 13,228 lb

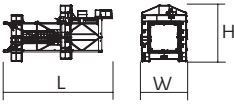

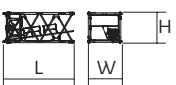
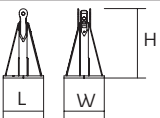
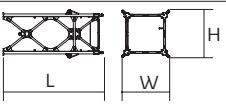
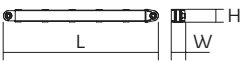
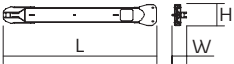

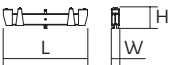
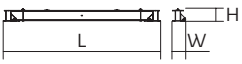
CBD - 8,818 lb











Dimensions and weight

Slewing crane:  262 ft -  100 LVF x 14 x 10

Slewing crane part			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib			38.4	13.5	6.4	14,308
			13.8	6.6	6.4	4,365
			36.2	11.7	6.8	10,858
Cathead			11.6	6.5	32.3	18,221
Cab		Ultra View	16.4	8.2	9.1	4,134
Towerhead		□ 8 ft	12.1	9.5	12.7	24,670
Hoisting winch (+ rope)		100 LVF 180 LVF GH	10.4 14	5.2 6.3	5.7 6.2	9,138 20,349
Jib section		①	34	6.2	8.3	11,188
		② 10 DVF	33.9	6.2	7.7	10,439
		③	33.6	6.2	7.9	6,625
		④	33.6	6.2	7.6	6,096
		⑤	33.6	6.2	7.6	6,250
		⑧	33.5	6.2	6.6	3,064
Jib section		⑥	17.5	6.2	7.4	3,792
		⑦	17.2	6.2	6.7	2,381
		⑨	17	6.2	6.5	1,213
		⑩	16.7	6.2	6.5	1,102
Trolley		 27.6 Ust	5.9	7.4	4.7	1,676
Pulley block		 27.6 Ust	3.9	1.4	7.8	1,874
Trolley		 27.6 Ust	13.5	7.2	3.8	2,635
Pulley block		 27.6 Ust	6	1.1	7.7	1,995

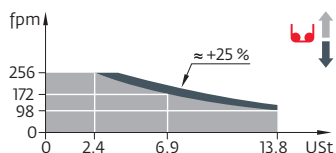
Crane Tower			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Telescopic cage T 851		□ 8 ft	36.7	15.9	19	34,723
K 849/K 849 Telescoping mast		□ 8 ft	7	10.7	8.2	6,581
KR 849A KRMT 849A KR 849C KRMT 849C		□ 8 ft	17.2 17.2 11.7 11.7	8.3 8.4 8.4 8.4	8.2 8.3 8.3 8.3	9,458 9,017 7,044 7,066
Fixing angles		P 802B	2.5	2.5	4.2	1,025
Basic mast unit		Y 800B	19.8	9.6	9.6	19,004
Struts		Y 800B	18.1	1.6	1.5	2,447
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

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 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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