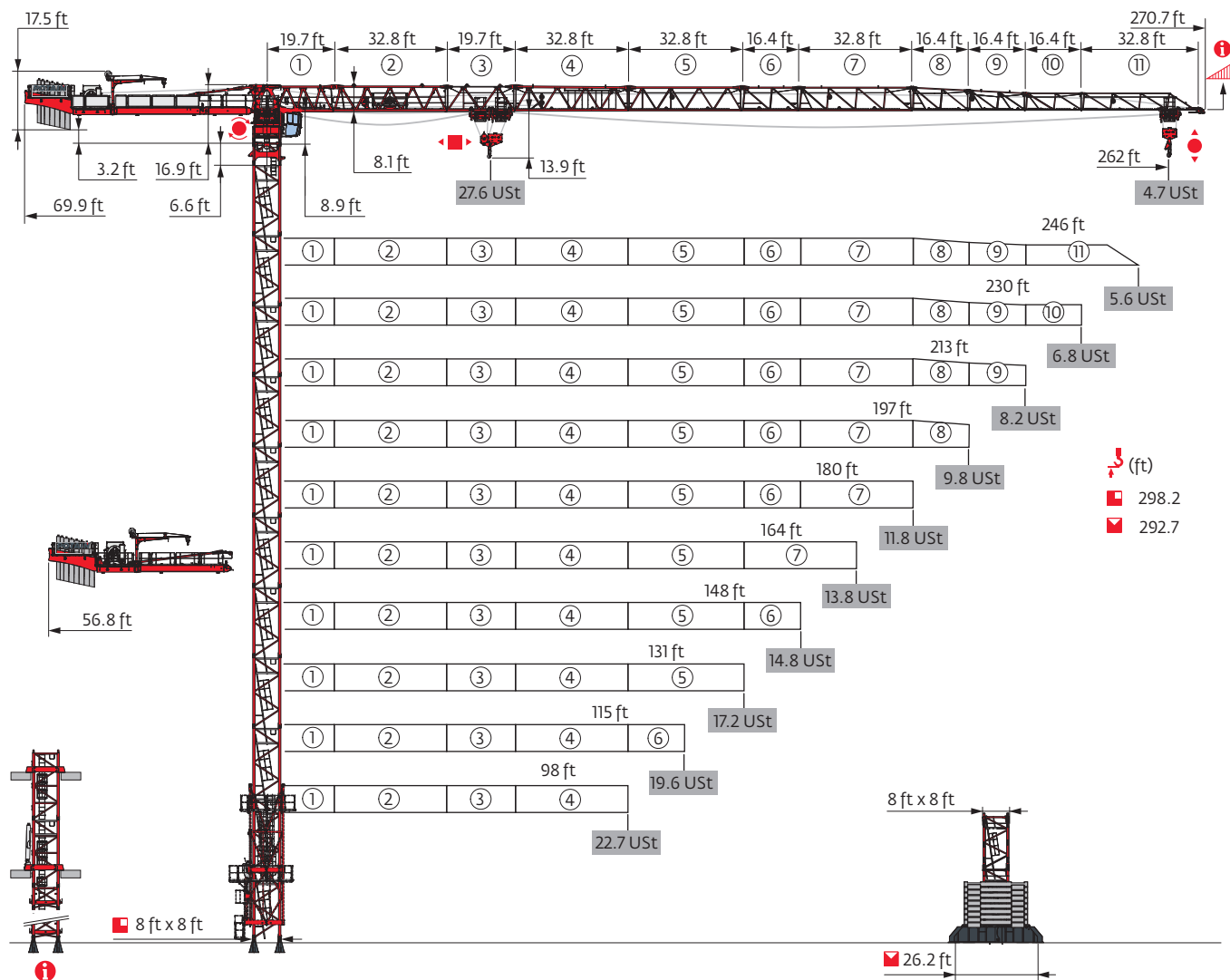


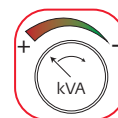
MDT 569 M25



Potain Plus



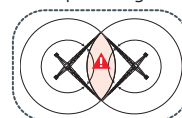
Power Control



Top Site



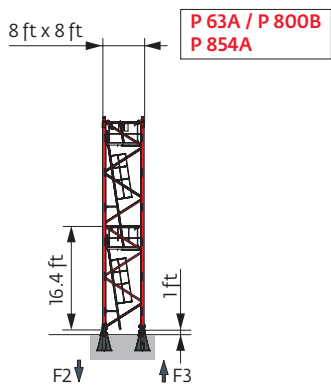
Top Tracing 3



Mast - Reactions

8 ft - P 800B											
Height (ft)	98	115	131	148	164	180	197	213	230	246	262
Height (ft)	232.6	227	227	221.8	221.8	216.2	216.2	216.2	216.2	216.2	205.4
Height/P _r (ft)	232.6	227	227	221.8	221.8	216.2	216.2	216.2	216.2	216.2	205.4
6.6 ft	1	1	1	1	1	1	1	1	1	1	1
10.9 ft	0	1	1	2	2	0	0	0	0	0	2
16.4 ft	14	13	13	12	12	13	13	13	13	13	11
F2 (Ust)	● 279 ■ 351	280 332	280 338	282 334	279 330	272 325	280 330	277 332	271 347	262 354	262 333
F3 (Ust)	● 182 ■ 268	182 246	174 247	175 240	169 234	168 234	174 237	173 241	167 255	158 264	157 242


8 ft - P 854A											
Height (ft)	98	115	131	148	164	180	197	213	230	246	262
Height (ft)	298.2	292.7	298.2	292.7	298.2	292.7	292.7	292.7	287.4	281.8	276.3
Height/P _r (ft)	298.2	292.7	298.2	292.7	292.7	292.7	287.4	287.4	287.4	281.8	276.3
6.6 ft	1	1	1	1	1	1	1	1	1	1	1
10.9 ft	0	1	0	1	0	1	1	1	2	0	1
16.4 ft	18	17	18	17	18	17	17	17	16	17	16
F2 (Ust)	● 353 ■ 613	355 603	359 624	360 617	356 617	357 615	355 607	355 610	359 614	342 586	351 578
F3 (Ust)	● 236 ■ 510	236 496	234 513	234 504	228 503	235 506	233 498	233 501	236 504	224 480	231 471





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.

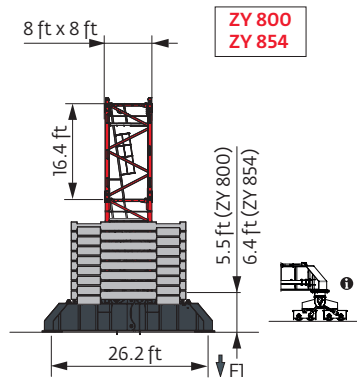
Other mast compositions - Please consult us

8 ft - ZY 800 - 

Height (ft)	98	115	131	148	164	180	197	213	230	246	262
\bar{r} (ft)	220.8	215.2	220.8	220.8	215.2	215.2	209.7	209.7	215.2	209.7	198.8
\bar{r}/P_r (ft)	220.8	215.2	209.7	198.8	204.4	188	209.7	209.7	215.2	209.7	198.8
	6.6 ft	1	1	1	1	1	1	1	1	1	1
	10.9 ft	0	1	0	0	1	1	2	2	1	2
	16.4 ft	13	12	13	13	12	12	11	11	12	11
FI (Ust)	● 154	154	155	158	152	151	154	154	161	154	156
	■ 148	138	146	152	140	152	149	150	168	167	154

8 ft - ZY 854 - 

Height (ft)	98	115	131	148	164	180	197	213	230	246	262
\bar{r} (ft)	292.7	287.1	292.7	287.1	287.1	287.1	281.8	281.8	281.8	276.3	265.4
\bar{r}/P_r (ft)	292.7	287.1	292.7	287.1	287.1	287.1	281.8	281.8	281.8	276.3	265.4
	6.6 ft	1	1	1	1	1	1	1	1	1	1
	10.9 ft	2	0	2	0	0	1	1	1	2	1
	16.4 ft	16	17	16	17	17	16	16	16	15	15
FI (Ust)	● 227	216	230	226	223	225	228	224	229	223	211
	■ 312	292	320	306	298	305	307	308	313	308	280



Anchorage



Base ballast

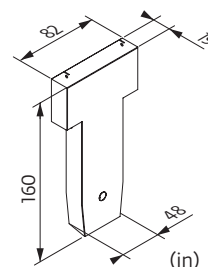
(Ust) / 8 ft - ZY 800 -											
▲▼▲ (ft)	98	115	131	148	164	180	197	213	230	246	262
220.8	92.6		79.4	79.4							
215.2	92.6	92.6	79.4	79.4	66.1	66.1			105.8		
209.7	79.4	79.4	79.4	66.1	66.1	66.1	79.4	79.4	92.6	105.8	
198.8	79.4	79.4	66.1	66.1	66.1	66.1	79.4	79.4	92.6	105.8	119.1
182.4	66.1	66.1	66.1	52.9	66.1	66.1	79.4	79.4	92.6	92.6	105.8
166	52.9	52.9	52.9	39.7	66.1	66.1	79.4	79.4	92.6	92.6	105.8
149.6	52.9	52.9	52.9	39.7	52.9	66.1	79.4	66.1	92.6	92.6	105.8
133.2	39.7	52.9	39.7	39.7	52.9	52.9	79.4	66.1	79.4	79.4	92.6
116.8	39.7	39.7	39.7	39.7	52.9	52.9	79.4	66.1	79.4	79.4	92.6
100.4	39.7	39.7	39.7	39.7	52.9	52.9	79.4	66.1	79.4	79.4	92.6
84	39.7	39.7	39.7	39.7	52.9	52.9	79.4	66.1	66.1	79.4	79.4
67.6	39.7	39.7	39.7	39.7	52.9	52.9	79.4	66.1	66.1	66.1	79.4

(Ust) / 8 ft - ZY 854 -											
▲▼▲ (ft)	98	115	131	148	164	180	197	213	230	246	262
292.7	224.9		211.6								
287.1	198.4	185.2	185.2	198.4	185.2	211.6					
281.8	185.2	172	172	185.2	172	198.4	211.6	198.4	224.9		
276.3	172	158.7	158.7	158.7	158.7	185.2	185.2	185.2	211.6	224.9	
265.4	145.5	132.3	119.1	132.3	119.1	145.5	145.5	158.7	172	185.2	185.2
249	105.8	105.8	92.6	92.6	92.6	105.8	105.8	105.8	119.1	132.3	132.3
232.6	92.6	92.6	79.4	79.4	79.4	79.4	79.4	79.4	92.6	92.6	105.8
216.2	79.4	79.4	66.1	66.1	66.1	66.1	79.4	66.1	92.6	92.6	105.8
199.8	66.1	66.1	66.1	52.9	52.9	52.9	66.1	66.1	92.6	92.6	105.8
183.4	52.9	52.9	52.9	39.7	52.9	52.9	66.1	66.1	79.4	92.6	105.8
167	52.9	52.9	39.7	39.7	52.9	52.9	66.1	66.1	79.4	79.4	92.6
150.6	39.7	39.7	39.7	39.7	52.9	52.9	66.1	66.1	79.4	79.4	92.6
134.2	39.7	39.7	26.5	39.7	52.9	52.9	66.1	52.9	79.4	79.4	92.6
117.8	26.5	39.7	26.5	26.5	52.9	52.9	66.1	52.9	66.1	66.1	79.4
101.4	26.5	39.7	26.5	26.5	52.9	52.9	66.1	52.9	66.1	66.1	79.4
85	26.5	39.7	26.5	26.5	52.9	52.9	66.1	52.9	66.1	66.1	79.4
68.6	26.5	39.7	26.5	26.5	52.9	52.9	66.1	52.9	52.9	66.1	66.1

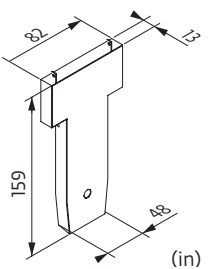
Counter-jib ballast

▲▼▲	132 HPL™			180 HPL™ GH		
	14,551 lb	10,362 lb	(lb)	14,551 lb	10,362 lb	(lb)
262 ft	5	2	93,476	6	0	87,303
246 ft	4	3	89,287	5	1	83,114
230 ft	4	3	89,287	5	1	83,114
213 ft	4	3	89,287	5	1	83,114
197 ft	6	0	87,303	4	2	78,925
180 ft	5	1	83,114	3	3	74,737
164 ft	6	2	108,027	7	0	101,854
148 ft	7	0	101,854	5	2	93,476
131 ft	5	2	93,476	6	0	87,303
115 ft	5	1	83,114	4	2	78,925
98 ft	3	3	74,737	4	1	68,564

CCP - 14,551 lb



CCQ - 10,362 lb



Load curves



▽▽▽▽ (ft)		49	66	82	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	236	246	253	262	ft	
	27.6 USt		13.8 USt																								
262	13.1 → 55.4 13.1 → 60	98.1 - 106.8 105.6 - 114.8	27.6 22.6 17.2 13.8 27.6 24.8 19 15.1	13.8 13.9	12.7 11.9 10.8 10.2 9.4 8.9 8.2 7.8 7.3 7 6.5 6.3 5.9 5.6 5.3 5.1 4.8 4.7 4.4	13.8 13 11.9 11.2 10.3 9.8 9.1 8.6 8 7.7 7.1 6.8 6.4 6.1 5.7 5.5 5.2 5 4.7	USt USt P+																				
246	13.1 → 57.1 13.1 → 62	101.3 - 110 109.2 - 118.1	27.6 23.4 17.9 14.3 27.6 25.8 19.7 15.7	13.8 14.5	13 12.3 11.2 10.6 9.7 9.2 8.6 8.2 7.6 7.3 6.8 6.5 6.1 5.9 5.6 5.4 5.1	13.8 13.5 12.3 11.6 10.7 10.2 9.4 9 8.4 8 7.5 7.2 6.8 6.5 6.1 5.9 5.6	USt USt P+																				
230	13.1 → 64.6 13.1 → 70.2	115.3 - 124.9 124.4 - 134.8	27.6 27.1 20.9 16.8 15.5 13.9 27.6 27.6 22.9 18.4 17 15.2	14.2 14.2	13.8 13 12.3 11.3 10.8 10 9.6 8.9 8.5 8 7.7 7.3 7 6.6	13.8 13.4 12.3 11.6 10.7 10.2 9.5 9 8.4 8.1 7.5 7.2 6.8	USt USt P+																				
213	13.1 → 70.9 13.1 → 76.8	126.5 - 137 132.4 - 142.5	27.6 27.6 23.2 18.7 17.3 15.5 14.5 27.6 27.6 25.5 20.4 18.8 16.7	13.8 13.9	13.7 12.6 12 11.2 10.7 10 9.6 9 8.6 8.2	13.8 13.2 12.5 11.5 11 10.2 9.7 9.1 8.7 8.2	USt USt P+																				
197	13.1 → 74.5 13.1 → 78.7	133.3 - 144.5 137.9 - 149	27.6 27.6 24.7 19.9 18.5 16.6 15.5 14.1 27.6 27.6 26.3 21.1 19.5 17.4 16.2 14.7	13.8 13.8	13.4 12.8 11.9 11.4 10.6 10.2 9.6	13.8 13.8 13.2 12.3 11.7 10.9 10.5 9.8	USt USt P+																				
180	13.1 → 76.8 13.1 → 77.8	137.4 - 148.9 143.7 - 156.4	27.6 27.6 25.6 20.6 19.1 17.2 16.1 14.6 27.6 27.6 26 21.3 19.8 17.9 16.8 15.3	14.5 14.5	13.8 13.8 13.2 12.3 11.8 11	13.8 13.8 13.2 12.3 11.8 11	USt USt P+																				
164	13.1 → 81.7 13.1 → 82.7	146.1 - 158.3	27.6 27.6 27.4 22.2 20.6 18.5 17.3 15.7 14.8 27.6 27.6 27.6 22.7 21.1 19 17.8 16.3 15.4 14.2	13.8 13.8	13.8 13.8 13.2	13.8 13.8 13.2	USt USt P+																				
148	13.1 → 82.3 13.1 → 82.3		27.6 27.6 27.6 22.4 20.8 18.7 17.5 15.9 15 13.8 27.6 27.6 27.6 22.6 21 19 17.8 16.3 15.4 14.2		13.8 13.8 13.2	13.8 13.8 13.2	USt USt P+																				
131	13.1 → 82.7 13.1 → 83		27.6 27.6 27.6 22.5 20.9 18.8 17.6 16 27.6 27.6 27.6 22.9 21.3 19.3 18.1 16.5		13.8 13.8 13.2	13.8 13.8 13.2	USt USt P+																				
115	13.1 → 83.7 13.1 → 83.7		27.6 27.6 27.6 22.8 21.1 19 27.6 27.6 27.6 22.8 21.1 19		13.8 13.8 13.2	13.8 13.8 13.2	USt USt P+																				
98	13.1 → 81.4 13.1 → 81.4		27.6 27.6 27.2 22 27.6 27.6 27.2 22		13.8 13.8 13.2	13.8 13.8 13.2	USt USt P+																				

$$U_{st} = U_{st} - 1.58 \text{ USt max.}$$





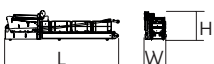














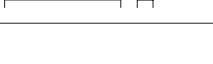
▽▽▽▽ (ft)		49	66	82	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	236	246	253	262	ft	
	27.6 USt		13.8 USt																								
262	10.8 → 56.4 10.8 → 61	101.2 - 103.1 108.7 - 110.6	27.6 23.2 17.8 14.3 27.6 25.4 19.5 15.6	14.4 14.4	12.1 11.3 10.2 9.6 8.8 8.3 7.6 7.2 6.7 6.4 5.9 5.7 5.3 5 4.7 4.5 4.2 4.1 3.8	13.5 12.4 11.3 10.6 9.7 9.2 8.4 8 7.4 7.1 6.5 6.2 5.8 5.5 5.1 4.9 4.5 4.3 4.1	USt USt P+																				
246	10.8 → 58.1 10.8 → 63	104.6 - 106.5 112.4 - 114.1	27.6 24 18.5 14.8 27.6 26.3 20.2 16.2	15 15	13.7 13 11.8 11.1 10.1 9.6 8.9 8.4 7.8 7.4 6.9 6.6 6.2 5.9 5.6 5.3 5	13.7 13 11.8 11.1 10.1 9.6 8.9 8.4 7.8 7.4 6.9 6.6 6.2 5.9 5.6 5.3 5	USt USt P+																				
230	10.8 → 65.6 10.8 → 71.2	118.7 - 120.9 128.5 - 131.2	27.6 27.5 21.3 17.2 16 14.3 27.6 27.6 23.5 19 17.6 15.8 14.8	14.3 14.3	12.5 11.8 10.8 10.3 9.5 9 8.4 8 7.5 7.2 6.8 6.5 6.1	13.8 12.9 11.8 11.2 10.3 9.7 9 8.6 8 7.6 7.1 6.8 6.4	USt USt P+																				
213	10.8 → 71.9 10.8 → 78.4	130.7 - 133.2 136.9 - 139	27.6 27.6 23.7 19.2 17.9 16.1 15 27.6 27.6 26.2 21 19.4 17.3 16.1 14.6	13.8 13.8	13.2 12.2 11.6 10.7 10.2 9.5 9.1 8.6 8.2 7.7	13.8 12.8 12.1 11.1 10.6 9.8 9.3 8.7 8.3 7.8	USt USt P+																				
197	10.8 → 76.4 10.8 → 80.4	139.2 - 141.8 142.9 - 145.4	27.6 27.6 25.5 20.7 19.2 17.3 16.2 14.8 13.9 27.6 27.6 26.9 21.7 20.1 18 16.8 15.3 14.4	13.1 13.5	12.5 11.6 11 10.3 9.9 9.3	13.1 12.5 11.6 11 10.3 9.9 9.3	USt USt P+																				
180	10.8 → 78.7 10.8 → 79.4	143.3 - 146.1 149.4 - 152.5	27.6 27.6 26.3 21.4 19.9 17.9 16.8 15.3 14.4 27.6 27.6 26.7 21.9 20.4 18.5 17.4 15.9 15.1	14 14	12.9 12 11.5 10.7	13.6 12.9 12 11.4	USt USt P+																				
164	10.8 → 83.7 10.8 → 84.3	152.3 - 155.2 156.8 - 164	27.6 27.6 27.6 22.9 21.3 19.2 18 16.4 15.5 14.3 27.6 27.6 27.6 23.3 21.7 19.6 18.5 16.9 16 14.8 14.1	13.8 13.8	12.9 USt 13.8 USt P+	13.8 USt P+																					
148	10.8 → 84 10.8 → 84		27.6 27.6 27.6 23 21.4 19.3 18.1 16.5 15.6 14.4 27.6 27.6 27.6 23.2 21.6 19.6 18.4 16.9 16 14.8		14.8 USt 14.8 USt P+	14.8 USt P+																					
131	10.8 → 84.3 10.8 → 84.6		27.6 27.6 27.6 23.1 21.5 19.4 18.2 16.6 27.6 27.6 27.6 23.5 21.9 19.9 18.7 17.2		17.2 USt 17.2 USt P+	17.2 USt P+																					
115	10.8 → 85.3 10.8 → 85.3		27.6 27.6 27.6 23.4 21.7 19.6 27.6 27.6 27.6 23.4 21.8 19.6		19.6 USt 19.6 USt P+	19.6 USt P+																					
98	10.8 → 82.7 10.8 → 82.7		27.6 27.6 27.6 22.6 27.6 27.6 27.6 22.7		22.6 USt 22.7 USt P+	22.7 USt P+																					

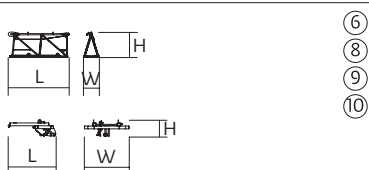
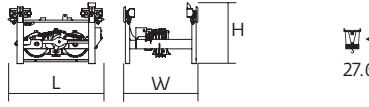
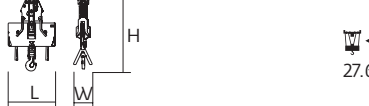
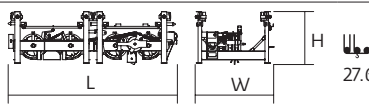

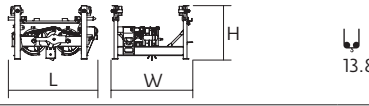

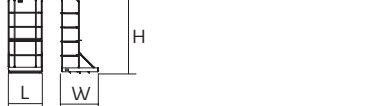
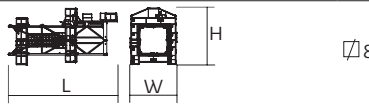
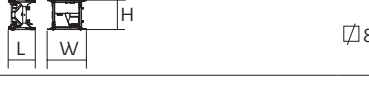
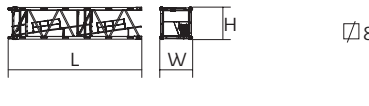
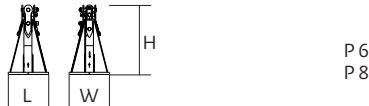
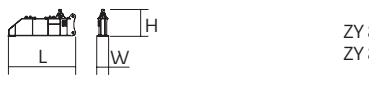
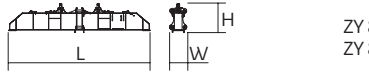
$$U_{st} = U_{st} - 0.71 \text{ USt max.}$$

Dimensions and weight

Slewing crane part:  262 ft -  -  132 HPL™



Slewing crane part	L (ft)	W (ft)	H (ft)	lb (+/- 5%)		
Counter-jib		39.4	7.2	8.2	29,690	
		39.4	7.2	8.2	39,432	
		39.1	7.2	9.2	29,573	
		15 14.2	5.3 4.5	6.6 8.1	9,590 6,993	
	 132 HPL™ 180 HPL™ GH	53.3 53.3	18.6 21.9	12.9 12.9	32,902 34,458	
	 132 HPL™ 180 HPL™ GH	66.5 66.5	18.6 21.9	12.9 12.9	42,199 43,343	
	 132 HPL™	53.3	18.6	12.9	44,289	
	 132 HPL™	66.5	18.6	12.9	53,586	
	Hoisting winch (+ rope)	 132 HPL™ 180 HPL™ GH	12.4 15.8	6.1 6.3	6.2 6.5	11,387 19,282
		Cab Towerhead	 Ultra View	11	7.5	8.2
 8 ft	8.8		8.2	9.9	27,866	
	21.9		8.2	9.9	34,480	
Jib section	 ①	25.3	5.1	8.1	19,103	
	 ②	34	7.4	8.1	18,122	
	 ③	20.9	4.5	8	7,154	
	 ④	34.1	4.5	7.8	9,466	
	 ⑤	34.1	4.5	7.3	7,115	
	 ⑦ ⑪	33.6 33.1	4.5 4.5	7.2 5.1	4,991 1,825	

		L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Jib section		17.6	4.5	7.3	3,007
		17.4	4.5	7	1,719
		17.1	4.5	6.1	1,464
		17	4.5	5.2	1,246
		5.5	5.2	1.9	575
Trolley		7.3	5.7	4.7	1,676
Pulley block		5.1	1.9	8	1,874
Trolley		12.5	5.6	4.1	2,469
Pulley block		6.3	1.1	7.7	2,028
Trolley		6.6	5.6	4.1	1,323
Pulley block		4.1	1.1	8.5	1,345
Trolley inspection platform		3.1	3.4	7	125
Crane tower					
T 851		36.7	15.9	19	34,723
K 84/K 84-2		7.3	10.6	8.2	6,724
KRM 849B K 85/KR 84B2 KM 850.10B KM 850.14B K 85/KR 84A2 KMT 850.10A KMT 850.14A K 849A KMT 849A KR 849A KRMT 849A KRMT 849C KMT 850.10C		33.6 33.6 33.9 33.9 17.2 17.5 17.5 17.2 17.2 17.2 17.2 17.2 11.7 12	8.4 8.3 8.3 8.2 8.3 8.3 8.3 8.2 8.4 8.3 8.3 8.2 8.4 8.3 8.3	8.3 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.3 8.2 8.3 8.2 8.3 8.3 8.2	17,196 21,242 22,201 24,670 12,236 12,015 13,206 7,496 6,945 9,458 9,017 7,066 9,326
Fixing angles		2.5 3	2.5 3	4.2 4.9	1,025 2,072
1/2 Cross girder		18.6 18.7	3.2 3.2	6.3 7.4	10,406 14,176
Cross girder		39.2 39	4.6 4.7	6.3 7.4	22,212 30,865

Mechanisms

480 V - 60 Hz													hp	kW		
	132 HPL™ 63	fpm	133	172	243	363	502	67	87	125	185	251	132	98	2,815 ft	
		USt	13.8	10.4	6.9	3.4	1.1	27.6	20.7	13.8	6.9	2.9				
	180 HPL™ 63 GH	fpm	179	220	289	438	640	90	112	149	238	320	180	132	3,937 ft	
		USt	13.8	10.4	6.9	3.4	0.9	27.6	20.7	13.8	6.9	3.3				
	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 174 Optima +	rpm	0 → 0.7											4 x 10	4 x 7.5	

480 V (+6% -10%) 60 Hz	132 HPL™: 152 → 99 kVA 180 HPL™ GH: 190 → 118 kVA	

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

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

