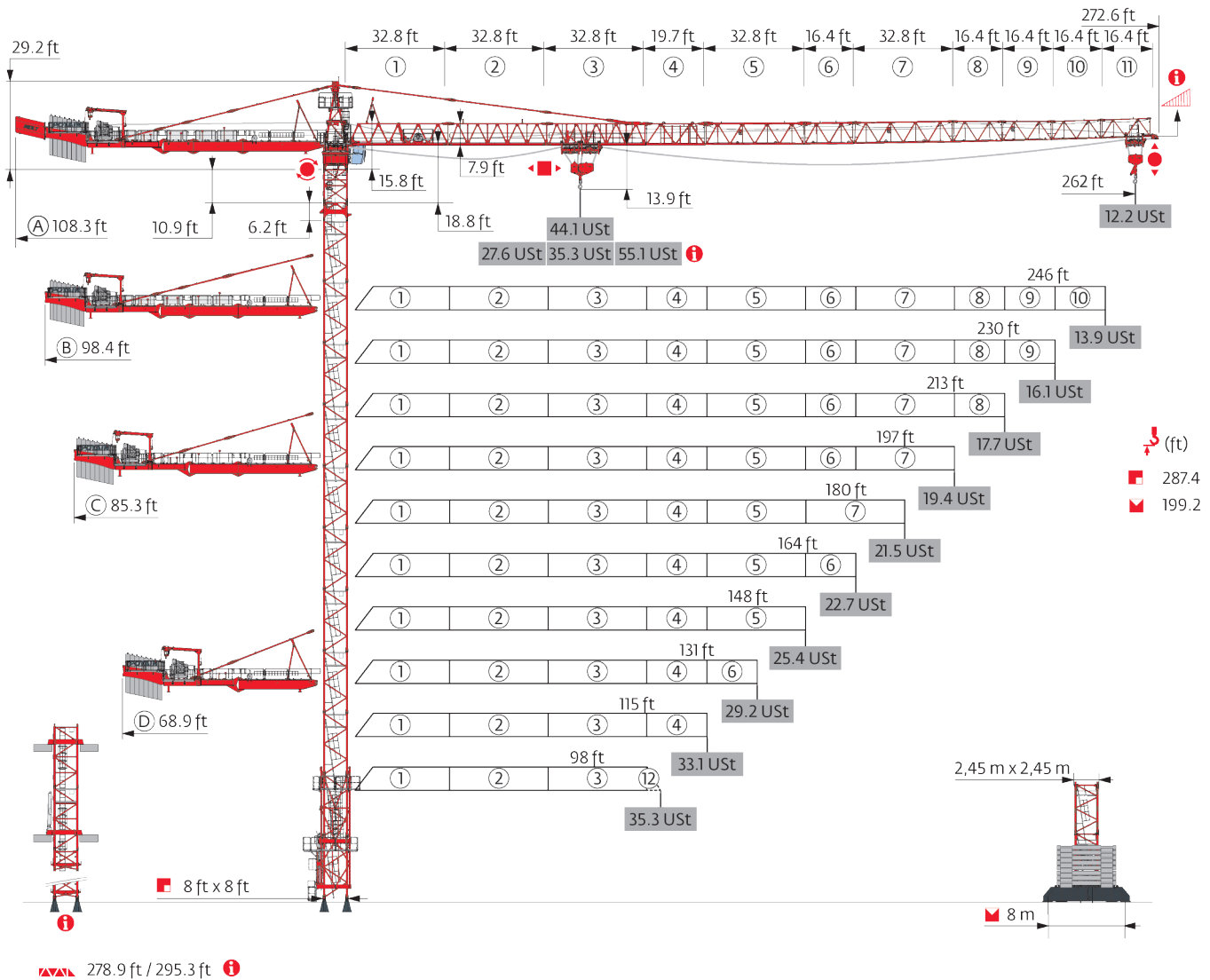


MDLT 1109

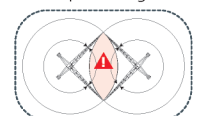
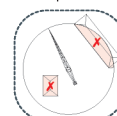
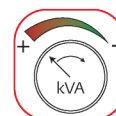


Potain Plus

Power Control

Top Site

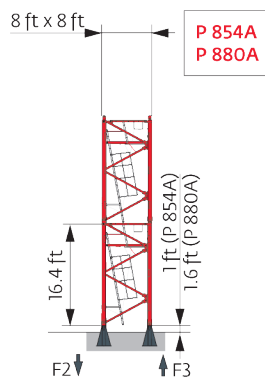
Top Tracing 3



Mast - Reactions

8 ft - P 854A											
▲▲▲ (ft)	98	115	131	148	164	180	197	213	230	246	262
↓ (ft)	210	210	210	210	210	210	210	210	210	210	210
↓/P* (ft)	i										
10.9 ft	1	1	1	1	1	1	1	1	1	1	1
6.2 ft	1	1	1	1	1	1	1	1	1	1	1
16.4 ft	12	12	12	12	12	12	12	12	12	12	12
F2 (Ust)	● 385	411	414	408	415	413	412	412	428	404	403
	■ 348	337	329	341	339	346	349	361	351	376	380
F3 (Ust)	● 253	272	270	267	292	288	284	284	298	274	270
	■ 238	220	208	222	217	222	221	234	222	245	248

8 ft - P 880A											
▲▲▲ (ft)	98	115	131	148	164	180	197	213	230	246	262
↓ (ft)	287.4	259.8	259.8	259.8	259.8	271	271	271	271	265.4	259.8
↓/P* (ft)	i										
10.9 ft	1	1	1	1	1	1	1	1	1	1	1
6.2 ft	1	1	1	1	1	1	1	1	1	1	1
10.9 ft	1	0	0	0	0	1	1	1	1	2	0
16.4 ft	16	15	15	15	15	15	15	15	15	14	15
F2 (Ust)	● 505	494	498	490	492	503	502	504	516	482	469
	■ 749	596	594	598	597	666	664	684	664	650	613
F3 (Ust)	● 334	326	324	321	319	346	341	322	356	326	318
	■ 600	450	442	451	446	508	504	523	504	496	463

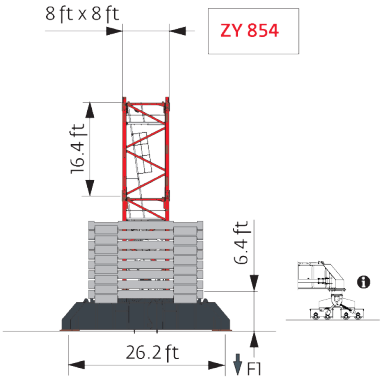


i Motorized accesses: adapted mast compositions, base ballast and reactions.

For any special request, please consult us.

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.

8 ft - ZY 854 - 											
ΔΔΔ (ft)	98	115	131	148	164	180	197	213	230	246	262
 (ft)	199.2	138.8	128	133.5	128	138.8	144.4	128	122.4	171.6	182.7
 /P+ (ft)											
	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	0	2	1	0	1	2	1	2	2	0
	16.4 ft	11	6	6	7	6	7	6	5	8	10
F1 (Ust)	● 218	194	191	190	191	194	201	201	205	228	234
	■ 171	161	166	163	168	170	176	178	186	196	202



Anchorage

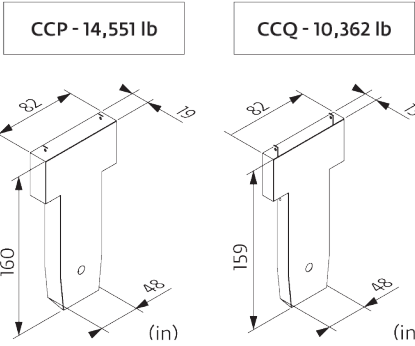


Base ballast

⚖️ (USt) / 📏 8 ft - ZY 854 - 📏											
📏 (ft)	98	115	131	148	164	180	197	213	230	246	262
199.2	172										
182.7	158.7										238.1
171.6	145.5								224.9	238.1	
144.4	119.1						158.7			211.6	224.9
138.8	119.1	145.5				145.5	145.5			211.6	224.9
📏 133.5	119.1	145.5		145.5		145.5	145.5			211.6	224.9
128	119.1	145.5	145.5	145.5	145.5	145.5	145.5	185.2		211.6	211.6
122.4	119.1	145.5	145.5	145.5	145.5	145.5	145.5	185.2	198.4	211.6	211.6
106	119.1	145.5	145.5	145.5	145.5	145.5	145.5	185.2	198.4	198.4	211.6
89.6	119.1	145.5	145.5	145.5	145.5	145.5	145.5	172	198.4	198.4	198.4
73.2	119.1	145.5	145.5	145.5	145.5	145.5	145.5	172	198.4	198.4	198.4
56.8	119.1	145.5	145.5	145.5	145.5	145.5	145.5	172	198.4	198.4	198.4

Counter-jib ballast

	180 HPL™ 📏			320 LVF GH 📏		
📏	14,551 lb	10,362 lb	⚖️ (lb)	14,551 lb	10,362 lb	⚖️ (lb)
262 ft	7	1	112,215	6	2	108,027
246 ft	6	2	108,027	5	3	103,838
230 ft	6	2	108,027	6	1	97,665
213 ft	7	0	101,854	5	2	93,476
197 ft	8	0	116,404	6	2	108,027
180 ft	5	3	103,838	6	1	97,665
164 ft	7	0	101,854	5	2	93,476
148 ft	4	3	89,287	5	1	83,114
131 ft	8	0	116,404	7	1	112,215
115 ft	5	3	103,838	7	0	101,854
98 ft	6	0	87,303	5	1	83,114



Load curves



	 (ft)		72	82	98	115	131	148	154	164	171	180	187	197	203	213	220	230	236	246	253	262	ft
	 44.1 USt	 22 USt																					
262	15.4 → 76.3	139.4 - 151	44.1	40.7	33.2	27.8	23.7	22	21.5	20.1	19.2	18	17.3	16.3	15.7	14.8	14.3	13.6	13.1	12.5	12.1	11.6	USt
	15.4 → 76.4	141.5 - 152.3	44.1	40.8	33.3	28	24.1	22	21.8	20.4	19.5	18.4	17.7	16.7	16.2	15.4	14.9	14.2	13.7	13.1	12.8	12.2	USt P+
246	15.4 → 79.6	145.9 - 157.5	44.1	42.6	34.8	29.2	25	22	22	21.1	20.2	18.9	18.2	17.1	16.5	15.6	15.1	14.3	13.9	13.2	12.7	12.2	USt
	15.4 → 79.6	148.5 - 159.2	44.1	42.7	34.9	29.5	25.4	22.2	22	21.4	20.5	19.3	18.6	17.6	17	16.2	15.7	15	14.5	13.9	13.2	12.7	USt P+
230	15.4 → 84.5	155.5 - 167.4	44.1	44.1	37.3	31.3	26.9	23.4	22.3	22	21.6	20.3	19.5	18.4	17.7	16.8	16.2	15.4	14.9	14.2	13.7	13.1	USt
	15.4 → 84.7	158.7 - 170.7	44.1	44.1	37.5	31.6	27.3	23.9	22.8	22	22	20.8	20	19	18.3	17.4	16.9	16.1	15.4	14.9	14.2	13.7	USt P+
213	15.4 → 85.8	157.8 - 169.9	44.1	44.1	37.9	31.9	27.4	23.9	22.7	22	21.9	20.6	19.8	18.7	18	17.1	16.2	15.4	14.9	14.2	13.7	13.1	USt
	15.4 → 85.9	161.6 - 172.6	44.1	44.1	38.1	32.2	27.8	24.4	23.2	22	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt P+
197	15.4 → 85.9	158.1 - 170.2	44.1	44.1	38	31.9	27.4	23.9	22.7	22	22	20.7	19.8	18.7	18	17.1	16.2	15.4	14.9	14.2	13.7	13.1	USt
	15.4 → 86	161.2 - 171	44.1	44.1	38.1	32.2	27.8	24.3	23.2	22	22	21	20.3	19.4	18.5	17.6	16.8	16.2	15.4	14.9	14.2	13.7	USt P+
180	15.4 → 87	160.1 - 172.3	44.1	44.1	38.5	32.4	27.8	24.3	23	22	22	20.9	19.8	18.7	18	17.1	16.2	15.4	14.9	14.2	13.7	13.1	USt
	15.4 → 87.1	161.6 - 173.9	44.1	44.1	38.5	32.5	28	24.5	23.3	22	22	21.5	20.4	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt P+
164	15.4 → 89.5		44.1	44.1	39.7	33.5	28.7	25.1	23.8	22.2	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt
	15.4 → 89.6		44.1	44.1	40	33.9	29.2	25.6	24.4	22.7	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt P+
148	15.4 → 88.7		44.1	44.1	39.3	33.1	28.4	24.8	23.2	22	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt
	15.4 → 88.7		44.1	44.1	39.5	33.5	28.9	25.4	23.8	22.2	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt P+
131	15.4 → 90.8		44.1	44.1	40.4	34	29.2	25.4	23.8	22.2	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt
	15.4 → 90.8		44.1	44.1	40.4	34	29.2	25.4	23.8	22.2	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt P+
115	15.4 → 88.6		44.1	44.1	39.3	33.1	28.4	24.8	23.2	22	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt
	15.4 → 88.6		44.1	44.1	39.3	33.1	28.4	24.8	23.2	22	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt P+
98	15.4 → 80.4		44.1	43.2	35.3	29.2	25.4	23.8	22.2	22	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt
	15.4 → 80.4		44.1	43.2	35.3	29.2	25.4	23.8	22.2	22	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt P+

$$USt = P+ - 2.11 \text{ USt max.}$$

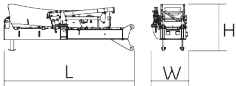
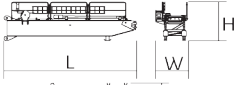
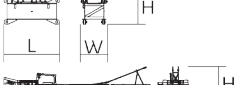
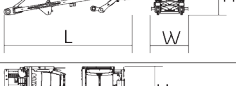
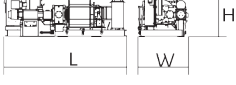
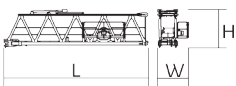
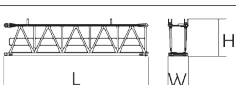
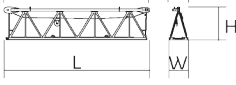
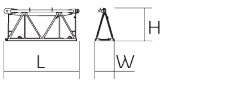
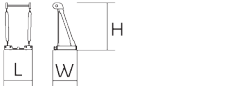
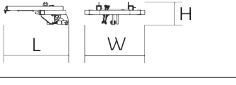


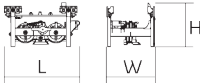
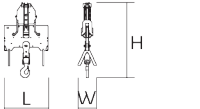
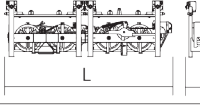
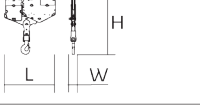
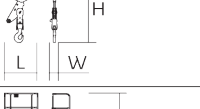
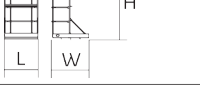
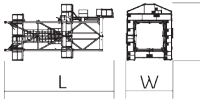
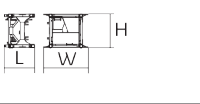
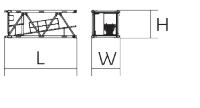
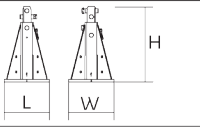
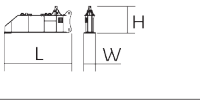
	 (m)		72	82	98	115	131	148	154	164	171	180	187	197	203	213	220	230	236	246	253	262	ft
	 44.1 USt	 22 USt																					
262	12.5 → 76.3	138.7 - 141.7	44.1	40.7	33.1	27.7	23.6	21	19.9	18.5	17.6	16.4	15.7	14.7	14.1	13.2	12.7	12	11.5	10.9	10.5	9.9	USt
	12.5 → 76.3	140.3 - 143.4	44.1	40.8	33.4	28	23.9	21.3	20.3	18.9	18.1	16.9	16.2	15.2	14.7	13.8	13.3	12.6	12.2	11.6	11.2	10.7	USt P+
246	12.5 → 79.1	144.4 - 147.6	44.1	42.3	34.5	28.9	24.7	22	20.9	19.4	18.5	17.3	16.5	15.5	14.9	14	13.4	12.7	12.2	11.6	11.2	10.7	USt
	12.5 → 79.1	145.8 - 148.8	44.1	42.4	34.6	29.1	24.9	22	21.2	19.7	18.9	17.7	17	16	15.4	14.5	14	13.3	12.9	12.2	11.6	11.2	USt P+
230	12.5 → 83.7	152.8 - 156	44.1	44.1	36.8	30.9	26.4	23	22	20.8	19.8	18.5	17.7	16.6	16	15	14.5	13.7	13.2	12.6	12.2	11.6	USt
	12.5 → 83.7	154.1 - 157.5	44.1	44.1	36.9	31	26.6	23.2	22	21.1	20.1	18.9	18.2	17.1	16.5	15.6	15.1	14.3	13.9	13.2	12.6	12.2	USt P+
213	12.5 → 85.3	156.3 - 159.7	44.1	44.1	37.6	31.6	27.1	23.6	22.4	21.4	20.4	19.1	18.3	17.2	16.5	15.5	15	14.3	13.9	13.2	12.6	12.2	USt
	12.5 → 85.4	157.9 - 161.1	44.1	44.1	37.7	31.8	27.3	23.8	22.7	21.6	20.7	19.5	18.7	17.7	17.1	16.2	15.4	14.9	14.2	13.7	13.1	12.8	USt P+
197	12.5 → 85.5	156.6 - 160	44.1	44.1	37.7	31.7	27.2	23.7	22.5	21.4	20.4	19.1	18.3	17.2	16.5	15.5	15	14.3	13.9	13.2	12.6	12.2	USt
	12.5 → 85.5	158.3 - 161.6	44.1	44.1	37.8	31.9	27.4	23.9	22.7	21.7	20.8	19.6	18.9	17.9	17.1	16.2	15.4	14.9	14.2	13.7	13.1	12.8	USt P+
180	12.5 → 86.9	159.9 - 163.4	44.1	44.1	38.5	32.4	27.8	24.2	23	21.9	21	19.6	18.7	17.7	17.1	16.2	15.4	14.9	14.2	13.7	13.1	12.8	USt
	12.5 → 87.1	161.8 - 164.7	44.1	44.1	38.6	32.6	28	24.5	23.3	22	21.3	20.2	19.1	18.1	17.1	16.2	15.4	14.9	14.2	13.7	13.1	12.8	USt P+
164	12.5 → 89.5		44.1	44.1	39.7	33.5	28.7	25.1	23.8	22.2	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt
	12.5 → 89.6		44.1	44.1	40	33.9	29.2	25.6	24.4	22.7	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt P+
148	12.5 → 88.7		44.1	44.1	39.3	33.1	28.4	24.8	23.2	22	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt
	12.5 → 88.7		44.1	44.1	39.5	33.5	28.9	25.4	23.8	22.2	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt P+
131	12.5 → 90.8		44.1	44.1	40.4	34	29.2	25.4	23.8	22.2	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt
	12.5 → 90.8		44.1	44.1	40.4	34	29.2	25.4	23.8	22.2	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt P+
115	12.5 → 88.6		44.1	44.1	39.3	33.1	28.4	24.8	23.2	22	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt
	12.5 → 88.6		44.1	44.1	39.3	33.1	28.4	24.8	23.2	22	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt P+
98	12.5 → 80.4		44.1	43.2	35.3	29.2	25.4	23.8	22.2	22	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt
	12.5 → 80.4		44.1	43.2	35.3	29.2	25.4	23.8	22.2	22	22	21.1	20.3	19.3	18.6	17.7	16.8	16.2	15.4	14.9	14.2	13.7	USt P+

$$USt = P+ - 1.26 \text{ USt max.}$$

Dimensions and weight

Slewing crane part:  262 ft -  -  180 HPL™

Slewing crane part		L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib		25.8	7.3	9.2	21,164
		27.4	6.6	8	16,094
		17.6	5.3	9	10,097
		11	5.4	7.9	6,790
		102.2	21.9	20.3	70,989
		93.2	21.9	20.3	70,107
		83.4	21.9	20.1	60,848
		67	21.9	20.2	48,502
Cathead		20.7	6.2	7.3	17,857
Cab		11	7.5	8.2	6,614
Towerhead		9.8	9.5	9.8	37,038
		23.5	9.8	9.8	43,652
Hoisting winch (+ rope)		16.2	6.6	6.6	20,459
		18.4	7.2	7.8	31,150
Jib section		34.2	7.4	8.9	22,170
Jib section		34.1	4.5	9.1	15,212
		34	4.5	7.9	16,314
		34.4	4.5	7.8	11,023
		33.9	4.5	7.5	7,011
Jib section		20.9	4.5	7.9	8,774
		17.8	4.5	7.7	4,850
		17.3	4.5	7.3	2,998
		17.3	4.5	6.8	2,183
		17.3	4.5	6.7	1,962
		4.5	3.3	7.3	1,303
		5.5	5.2	1.9	728

			L (ft)	W (ft)	H (ft)	lb (+/- 5%)	
Trolley			44.1 USt	8.6	5.7	5.2	2,678
Pulley block			44.1 USt	6.2	2.6	10.4	3,120
Trolley			44.1 USt	13.8	5.9	4.9	3,219
Pulley block			44.1 USt	7.5	1.1	9.7	2,888
Trolley			22 USt	6.9	5.9	4.9	1,720
Pulley block			22 USt	5	1.1	10	1,786
Trolley inspection platform				3.1	3.4	7	125
Crane tower							
T 851			8 ft	36.7	15.9	19	34,723
K 85/K 85-2			8 ft	7.3	10.7	8.2	7,937
KM 850.10B KM 850.14B KMT 850.10A KMT 850.14A K 88/K 85A2 KM 880.10A KMT 850.10C			8 ft	33.9 33.9 17.5 17.5 17.5 17.8 12	8.3 8.3 8.3 8.3 8.2 8.3 8.3	8.2 8.2 8.2 8.2 8.2 8.3 8.2	22,201 24,670 12,015 13,206 18,281 18,453 9,326
Fixing angles			P 854A P 880A	3 3.3	3 3.3	4.9 6.2	2,072 3,536
1/2 Cross girder			ZY 854	18.7	3.2	7.4	14,176
Cross girder			ZY 854	39	4.7	7.4	30,865

Mechanisms

480 V - 60 Hz													hp	kW		
	180 HPL™100	fpm	107	131	174	274	323	53	66	89	143	161	180	132	1,745 ft	
		USt	22	16.5	11	5.5	4	44.1	33.1	22	11	8.9				
	320 LVF 100 GH Optima	fpm	220	279	369	436		112	141	187	218					
		USt	22	16.5	11	8		44.1	33.1	22	18.1		320	240	3,488 ft	
	15 DVF 16 Optima	fpm	0 → 108 (44.1 USt) 0 → 164 (22 USt) 0 → 220 (11 USt) 0 → 328 (2.8 USt)											15	11	
	RVF 174 Optima +	rpm	0 → 0.7											4 x 10	4 x 7.5	
																

 IEC 60204-32		
480 V (+6% -10%) 60 Hz	180 HPL™: 194 → 122 kVA 320 LVF GH: 306 → 178 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
-  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
-  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.

