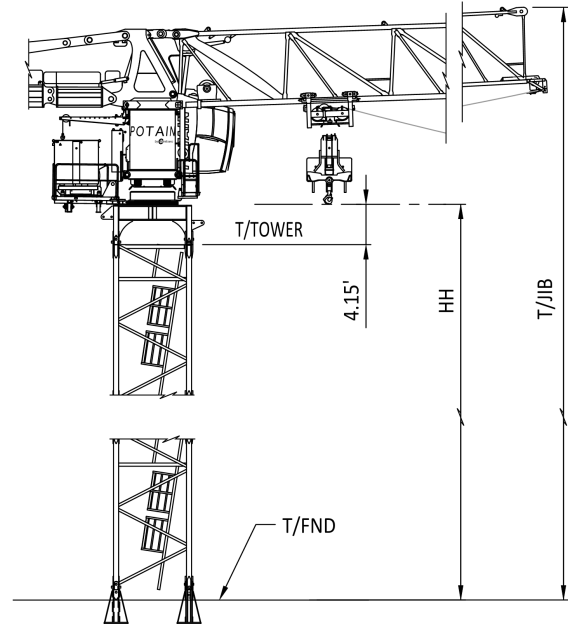


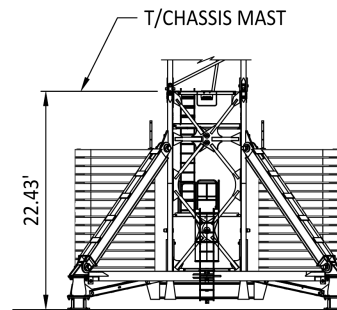
Mast

POTAIN MDT 368 HOOK HEIGHTS & MAST COMPOSITIONS				
P802A Anchors	Quantities of:		P850US Anchors	Y800B Chassis
	5m Masts (KRMT839A)	3.33m Masts (KRMT839C)		
HH			HH	HH
344.2'	20	1	344.8'	
333.3'	20	0	333.9'	
327.8'	19	1	328.4'	
316.9'	19	0	317.5'	
311.4'	18	1	312.0'	
300.5'	18	0	301.1'	
295.0'	17	1	295.6'	
284.1'	17	0	284.7'	
278.6'	16	1	279.2'	
267.7'	16	0	268.2'	
262.2'	15	1	262.8'	
251.3'	15	0	251.8'	
245.8'	14	1	246.4'	
234.9'	14	0	235.4'	
229.4'	13	1	230.0'	250.8'
218.5'	13	0	219.0'	239.8'
213.0'	12	1	213.6'	234.4'
202.1'	12	0	202.6'	223.4'
196.6'	11	1	197.2'	217.9'
185.7'	11	0	186.2'	207.0'
180.2'	10	1	180.7'	201.5'
169.3'	10	0	169.8'	190.6'
163.8'	9	1	164.3'	185.1'
152.8'	9	0	153.4'	174.2'
147.4'	8	1	147.9'	168.7'
136.4'	8	0	137.0'	157.8'
131.0'	7	1	131.5'	152.3'
120.0'	7	0	120.6'	141.4'
114.6'	6	1	115.1'	135.9'
103.6'	6	0	104.2'	125.0'
98.2'	5	1	98.7'	119.5'
87.2'	5	0	87.8'	108.6'
81.8'	4	1	82.3'	103.1'
70.8'	4	0	71.4'	92.2'
65.3'	3	1	65.9'	86.7'
54.4'	3	0	55.0'	75.8'
48.9'	2	1	49.5'	70.3'
38.0'	2	0	38.6'	59.4'

Note: Dark line indicates the maximum free standing height of the crane based on the manufacturer's specification sheet for FEM1.001-A3 and the ASCE 7-10 115mph wind zone (typical continental US wind speed), Exposure B (non-rural areas), with a planned project duration of 2 years or less (0.85 velocity factor from SEI/ASCE 37-02). Verify actual site/project conditions and applicable regulations. Confirm hook heights with ALL Tower Crane, LLC.



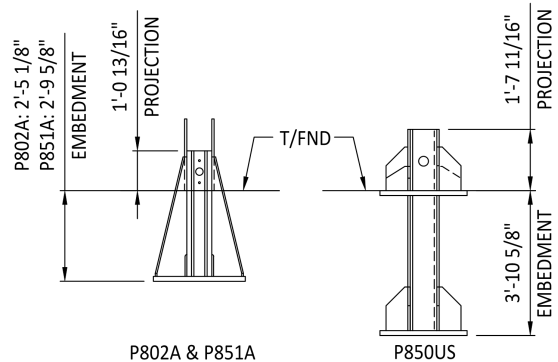
FIXING ANGLES



Y800B CHASSIS

TOP OF JIB HEIGHTS	
Jib Length	T/JIB
75m (246')	HH + 26.6'
70m (230')	HH + 26.3'
65m (213')	HH + 26.3'
60m (197')	HH + 25.9'
55m (180')	HH + 25.6'
50m (164')	HH + 24.6'
45m (148')	HH + 24.3'
40m (131')	HH + 23.0'
35m (115')	HH + 22.3'
30m (98')	HH + 21.7'

TOWER CRANE DIMENSIONS



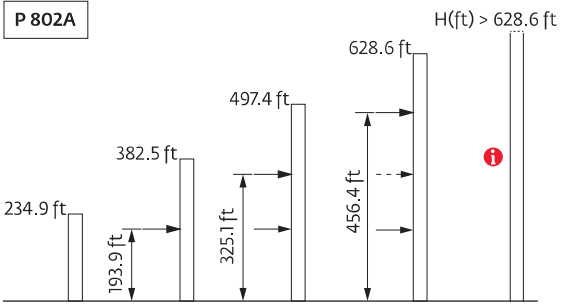
P802A & P851A

P850US

ANCHOR PROJECTIONS & EMBEDMENTS

Note: KM 850 mast are required for a portion of the tower composition when utilizing P850US & P851A anchors. Confirm mast composition and availability with ALL Tower Crane, LLC.

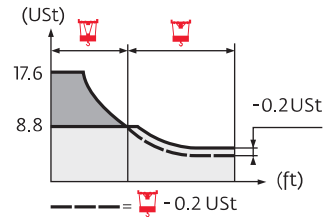
Anchorage (Consult us for ASCE 7-10 values)



Load chart

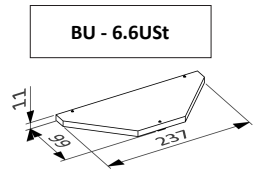


246 ft	8	▶	59	66	72	82	89	98	105	105	108	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	236	246	ft
▼▲▲▲			17.6	15.5	13.9	12.0	10.9	9.6	8.8	8.8	8.8	8.2	7.6	6.9	6.5	6.0	5.6	5.2	4.9	4.5	4.3	4.0	3.9	3.5	3.4	3.2	3.0	2.9	USt
230 ft	8	▶	62	66	72	82	89	98	105	112	115	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	ft		
▼▲▲▲			17.6	16.6	14.9	12.9	11.7	10.4	9.6	8.8	8.8	8.8	8.2	7.5	7.1	6.4	6.1	5.6	5.3	5.0	4.7	4.4	4.2	4.0	3.7	3.5	USt		
213 ft	8	▶	66	72	82	89	98	105	115	118	121	121	131	138	148	154	164	171	180	187	197	203	213	ft					
▼▲▲▲			17.6	15.9	13.7	12.5	11.0	10.3	9.1	8.8	8.8	8.8	8.0	7.5	6.9	6.6	6.1	5.7	5.4	5.2	4.7	4.6	4.3	USt					
197 ft	8	▶	69	72	82	89	98	105	115	121	125	128	131	138	148	154	164	171	180	187	197	ft							
▼▲▲▲			17.6	16.8	14.6	13.2	11.8	10.9	9.8	9.1	8.8	8.8	8.6	8.0	7.4	7.1	6.5	6.2	5.8	5.5	5.2	USt							
180 ft	8	▶	72	72	82	89	98	105	115	121	130	133	138	148	154	164	171	180	ft										
▼▲▲▲			17.6	17.5	15.1	13.9	12.2	11.4	10.3	9.6	8.8	8.8	8.4	7.7	7.4	6.8	6.5	6.1	USt										
164 ft	8	▶	73	82	89	98	105	115	121	131	133	136	138	148	154	164	ft												
▼▲▲▲			17.6	15.5	14.2	12.7	11.7	10.6	9.9	9.0	8.8	8.8	8.7	8.0	7.6	7.1	USt												
148 ft	8	▶	76	82	89	98	105	115	121	131	138	138	141	148	ft														
▼▲▲▲			17.6	16.2	14.9	13.2	12.2	11.0	10.4	9.4	8.8	8.8	8.8	8.4	USt														
131 ft	8	▶	78	82	89	98	105	115	121	131	ft																		
▼▲▲▲			17.6	16.5	15.2	13.4	12.5	11.2	10.5	9.6	USt																		
115 ft	8	▶	78	82	89	98	105	115	ft																				
▼▲▲▲			17.6	16.8	15.3	13.6	12.6	11.4	USt																				
98 ft	8	▶	79	82	89	98	ft																						
▼▲▲▲			17.6	16.9	15.4	13.7	USt																						



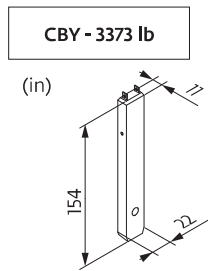
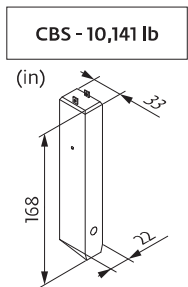
Base ballast

8.0 ft	Y 800B FEM ASCE	H (ft)	250.8	234.4	217.9	201.5	185.1	168.7	152.3	135.9	119.5	103.1	86.7	70.3	53.9	43.1
		USt	145.5	105.8	66.1	39.7	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
		USt														

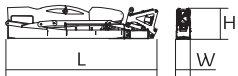

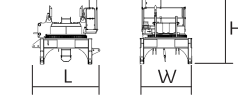
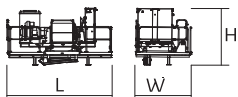

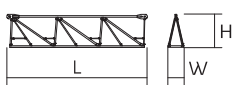
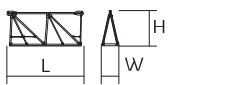

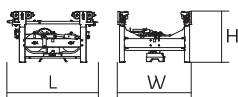

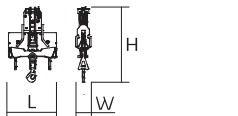



Counter-jib ballast


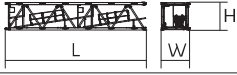


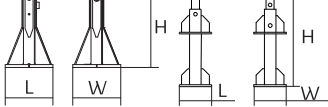
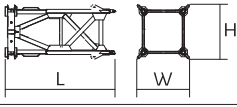
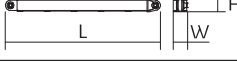
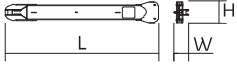

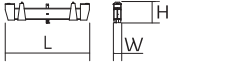
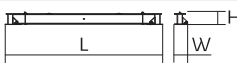
	10,141 lb	3373 lb	(lb)
246 ft	5	2	57,452
230 ft	5	2	57,452
213 ft	5	2	57,452
197 ft	5	1	54,079
180 ft	5	1	54,079
164 ft	5	2	57,452
148 ft	5	2	57,452
131 ft	5	0	50,706
115 ft	4	2	47,311
98 ft	4	1	43,938



Component weights

			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib		Ⓐ Ⓑ	39.4 39.4	4.1 4.1	8.2 8.2	30,887 26,411
Cab mast + cab		UltraView	16.5	7.3	8.2	14,815
Pivot		8.0 ft	10.7	8.3	9.2	20,500
Hoisting winch (+ rope)		100 LVF	14.0	7.5	7.6	12,588
Jib section		① 6 DVF	35.3	5.6	9.0	12,125
Jib section		② ③ ⑤ ⑥ ⑦	33.5 33.8 33.5 33.6 33.4	3.9 3.9 3.9 3.9 3.9	8.2 7.9 7.8 6.9 6.0	6934 5335 3439 2723 2094
Jib section		④ ⑧	17.3 16.7	3.9 3.9	7.8 5.0	2116 683
Jib section		⑨	16.7	3.9	4.6	485
Trolley		 17.6 USt	6.7	5.0	3.6	1063
Hook block		 17.6 USt	4.6	1.5	7.3	1301

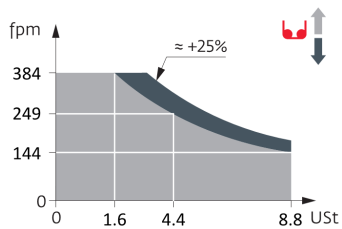
Component weights

			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Climbing cage		8.0 ft	33.6	15.2	19.0	28,484
KMT 850.10B K 850/KR 800B		8.0 ft	33.6	8.3	8.2	22,000
		8.0 ft	33.6	8.3	8.2	21,605
KRMT 839A KRMT 849A KMT 850.10A		8.0 ft	17.2	8.4	8.2	8900
		8.0 ft	17.2	8.4	8.3	9017
		8.0 ft	17.5	8.3	8.2	12015
KRMT 839C KRMT 849C KMT 850.10C		8.0 ft	11.7	8.4	8.3	6800
		8.0 ft	11.7	8.4	8.3	7066
		8.0 ft	11.7	8.3	8.2	9400
Fixing angles		P 802A	2.5	2.5	4.2	1050
		P 851A	2.5	2.5	4.9	1850
		P 850US	2.3	2.3	5.5	2127
Chassis mast		Y 800B	19.8	9.6	9.6	19,004
Struts		Y 800B	18.1	1.6	1.5	2447
1/2 Side member		Y 800B	18.6	4.1	2.4	3351
Side member		Y 800B	39.4	4.1	2.4	6724
Ballast support		Y 800B	12.3	1.2	3.0	2392
Chassis beam		Y 800B	28.5	2.7	2.4	4938

Mechanisms

480 V - 60 Hz										hp	kW			
	100 LVF 40 Optima	fpm	144	184	249	384	72	92	125	192	100	75	3727 ft	
	USt	8.8	6.6	4.4	1.6	17.6	13.2	8.8	3.2					
	6 DVF 6	fpm	0 → 138 (17.6 t) 0 → 276 (8.8 USt) 0 → 328 (4.4 USt)									5.5	4	
	RVF 172 Optima+	rpm	0 → 1									2 x 10	2 x 7.5	
IEC 60204-32														
480 V (+6% -10%) 60 Hz						100 LVF : 104 kVA								

100 LVF 40 Optima



Notes

	Jib elevation
	Weight without load, without ballast, with jib and max. height
	Total ballast weight
	Tightened anchorage frame
	Loosened anchorage frame

	Hoisting
	Trolleying
	Slewing
	Required power
	Consult us

Revisions

09/08/2015	Specific items not applicable to cranes in the ALL Tower Crane fleet have been removed for clarity. ATC/sem
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Note: 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.

Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment and price changes without notice. Illustrations shown may include optional equipment and accessories, and may not include all standard equipment.

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