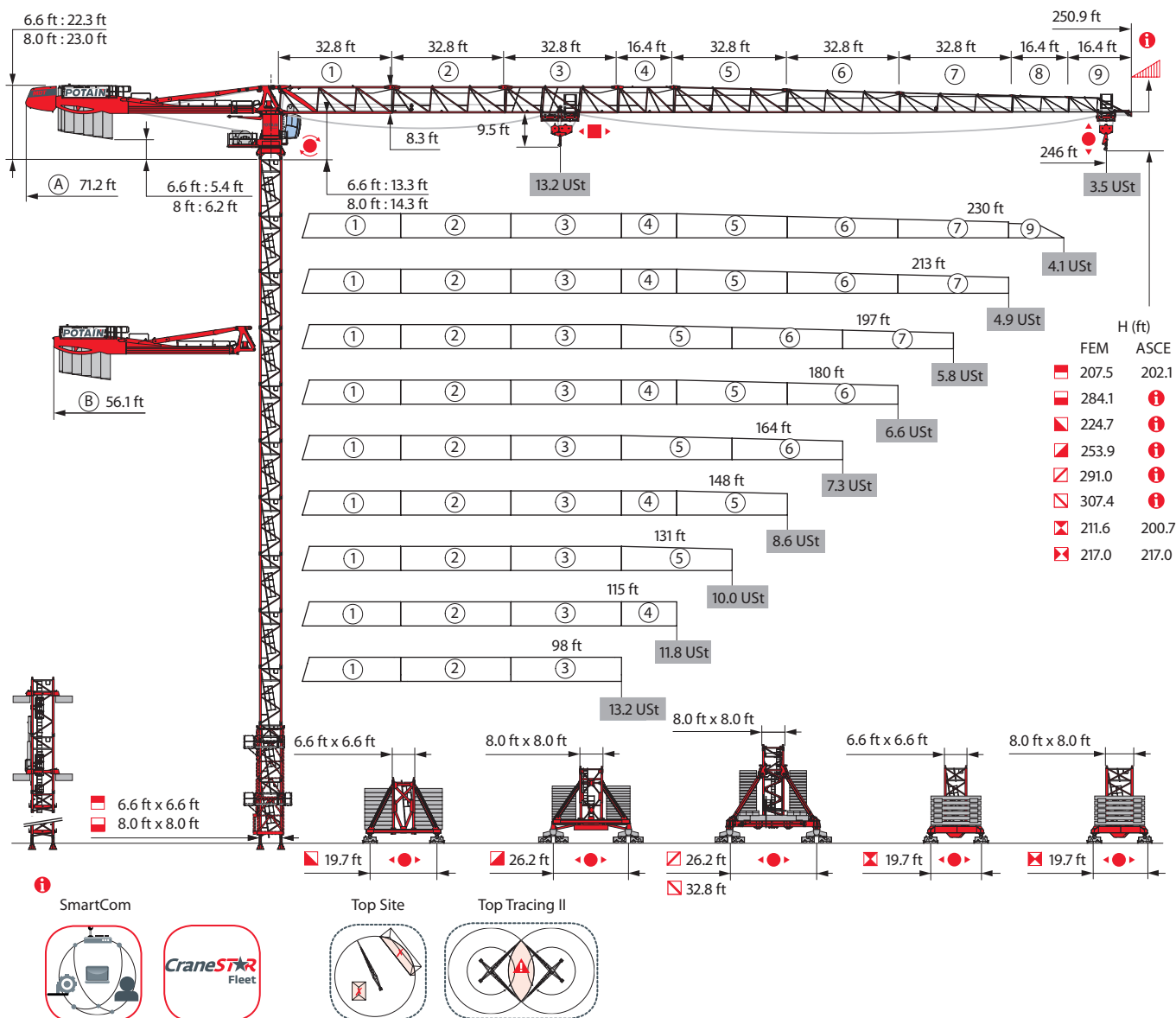


MDT 368 A

Data Sheet

FEM 1.001-A3
ASCE 7-10

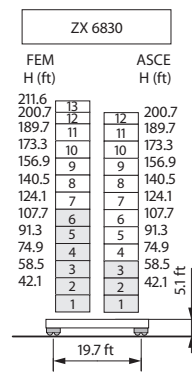
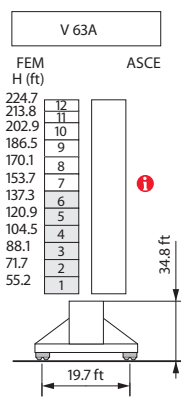
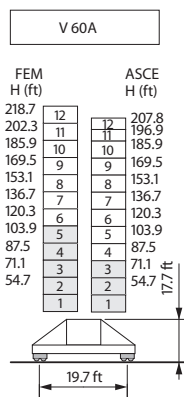
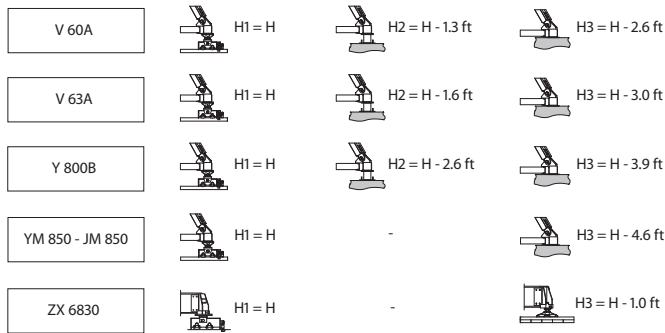
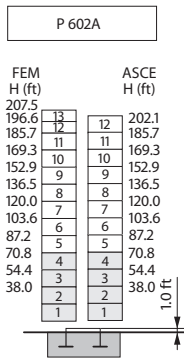
MDT 368 A L12



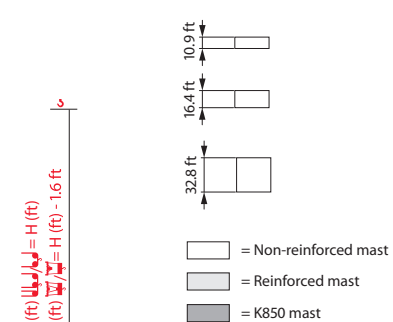
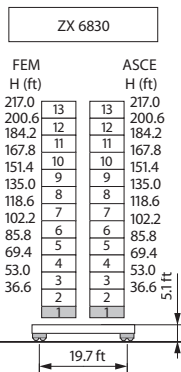
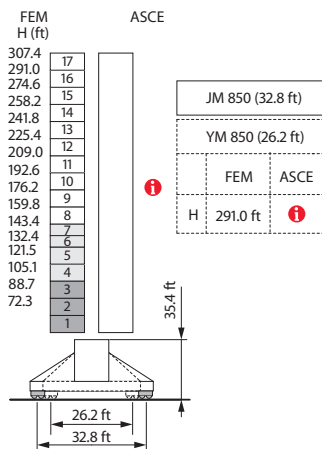
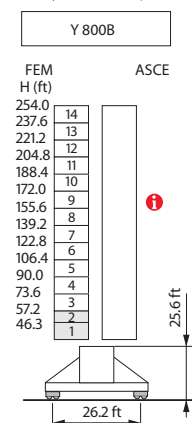
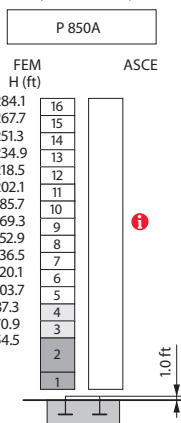
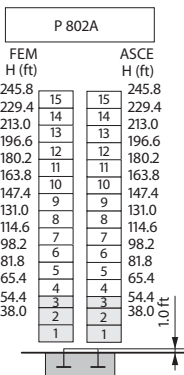
Values have been rounded

Mast

6.6 ft
98 ft → 246 ft



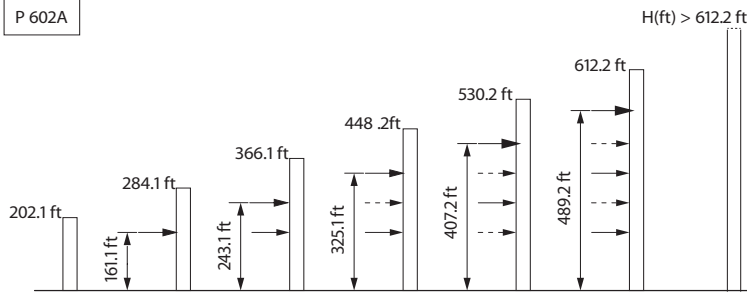
8.0 ft
98 ft → 246 ft



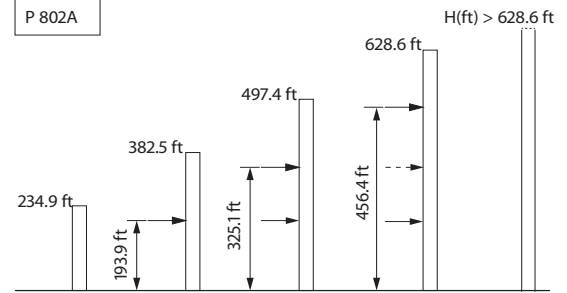
Note: When "ASCE" is noted in this data sheet it is referring to 105 mph Wind Zone, Exposure B, Design Wind Speed = 84 mph.
See back cover for design wind speed calculations.

Anchorage

P 602A



P 802A



ASCE 7-10

Load charts

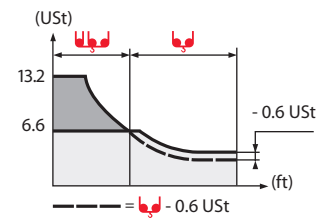


246 ft	10 ▶	76	82	89	98	105	115	121	131	135	146	148	154	164	171	180	187	197	203	213	220	230	236	246	ft
▲▲▲▲		13.2	12.0	11.0	9.7	9.0	8.0	7.5	6.8	6.6	6.6	6.5	6.2	5.7	5.5	5.2	5.0	4.6	4.5	4.2	4.1	3.9	3.7	3.5	USt
230 ft	10 ▶	79	82	89	98	105	115	121	131	138	141	153	154	164	171	180	187	197	203	213	220	230			ft
▲▲▲▲		13.2	12.7	11.6	10.3	9.5	8.5	7.9	7.3	6.8	6.6	6.6	6.5	6.1	5.8	5.4	5.2	5.0	4.7	4.5	4.3	4.1			USt
213 ft	10 ▶		84	89	98	105	115	121	131	138	148	152	163	164	171	180	187	197	203	213					ft
▲▲▲▲			13.2	12.5	11.0	10.3	9.3	8.6	7.8	7.4	6.8	6.6	6.6	6.6	6.3	6.0	5.6	5.3	5.2	4.9					USt
197 ft	10 ▶			91	98	105	115	121	131	138	148	154	164	164	177	180	187	197							ft
▲▲▲▲				13.2	12.1	11.2	10.1	9.5	8.7	8.2	7.5	7.2	6.6	6.6	6.6	6.5	6.2	5.8							USt
180 ft	10 ▶				93	98	105	115	121	131	138	148	154	164	168	180									ft
▲▲▲▲					13.2	12.3	11.5	10.4	9.7	8.9	8.4	7.7	7.4	6.8	6.6	6.6									USt
164 ft	10 ▶				97	98	105	115	121	131	138	148	154	164											ft
▲▲▲▲					13.2	13.0	12.0	10.9	10.3	9.4	8.8	8.2	7.7	7.2											USt
148 ft	10 ▶					100	105	115	121	131	138	148													ft
▲▲▲▲						13.2	12.6	11.4	10.7	9.7	9.1	8.5													USt
131 ft	10 ▶					102	105	115	121	131															ft
▲▲▲▲						13.2	12.8	11.6	10.8	9.9															USt
115 ft	10 ▶					103	105	115																	ft
▲▲▲▲						13.2	12.9	11.7																	USt
98 ft	10 ▶					98																			ft
▲▲▲▲						13.2																			USt

(USt)

13.2

6.6

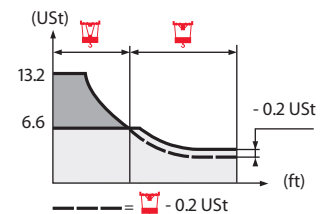


246 ft	8	▶	75	82	89	98	105	115	121	131	135	138	148	154	164	171	180	187	197	203	213	220	230	236	246	ft
▲▲▲▲			13.2	12.0	11.0	9.7	9.0	8.0	7.5	6.8	6.6	6.6	6.1	5.7	5.3	5.1	4.7	4.5	4.2	4.0	3.7	3.6	3.4	3.3	3.1	USt
230 ft	8	▶	80	82	89	98	105	115	121	131	138	144	147	148	154	164	171	180	187	197	203	213	220	230	ft	
▲▲▲▲			13.2	12.9	11.8	10.5	9.7	8.7	8.2	7.4	6.9	6.6	6.6	6.6	6.3	5.8	5.5	5.2	5.0	4.6	4.4	4.2	4.0	3.7	USt	
213 ft	8	▶		85	89	98	105	115	121	131	138	148	154	157	164	171	180	187	197	203	213				ft	
▲▲▲▲				13.2	12.7	11.2	10.4	9.4	8.8	8.0	7.5	6.9	6.6	6.6	6.3	6.0	5.6	5.3	5.0	4.9	4.5				USt	
197 ft	8	▶		91	98	105	115	121	131	138	148	154	164	166	169	171	180	187	197						ft	
▲▲▲▲				13.2	12.1	11.2	10.1	9.6	8.7	8.3	7.6	7.2	6.7	6.6	6.6	6.5	6.2	5.8	5.5						USt	
180 ft	8	▶			93	98	105	115	121	131	138	148	154	164	169	173	180								ft	
▲▲▲▲					13.2	12.5	11.6	10.5	9.8	8.9	8.5	7.8	7.4	6.8	6.6	6.6	6.3								USt	
164 ft	8	▶			98	98	105	115	121	131	138	148	154	164											ft	
▲▲▲▲					13.2	13.1	12.2	11.0	10.4	9.5	8.9	8.3	7.8	7.3											USt	
148 ft	8	▶				101	105	115	121	131	138	148													ft	
▲▲▲▲						13.2	12.7	11.5	10.8	9.8	9.4	8.6													USt	
131 ft	8	▶				103	105	115	121	131															ft	
▲▲▲▲						13.2	12.9	11.7	10.9	10.0															USt	
115 ft	8	▶				104	105	115																	ft	
▲▲▲▲						13.2	13.0	11.8																	USt	
98 ft	8	▶				98																			ft	
▲▲▲▲						13.2																			USt	

(USt)

13.2

6.6



Base ballast

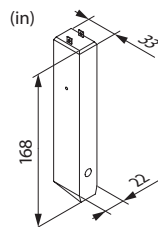
6.6 ft	V 60A FEM ASCE	H (ft)	218.8	202.4	186.0	169.6	153.2	136.8	120.4	104.0	87.6	71.2	54.8								
		 (USt)	132.3	119	105.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6								
		 (USt)	132.3																		
	V 63A FEM ASCE	H (ft)	224.7	213.6	202.8	186.4	169.9	153.5	137.1	120.7	104.3	87.9	71.5	55.1							
		 (USt)	145.5	132.3	119	105.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6							
		 (USt)																			
	ZX 6830 FEM ASCE	H (ft)	211.6	200.5	189.6	173.2	156.8	140.4	124.0	107.6	91.2	74.8	58.4	42.0							
		 (USt)	122.4	111.3	100.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3						
		 (USt)	89.3																		
8.0 ft	Y 800B FEM ASCE	H (ft)	253.9	243.1	226.7	210.3	193.9	177.5	161.1	144.7	128.3	111.9	95.5	79.1	62.7	46.3					
		 (USt)	145.5	119	79.4	52.9	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5				
		 (USt)																			
	YM 850 FEM ASCE	H (ft)	291.0	280.2	269.0	252.6	236.2	219.8	203.4	187.0	170.6	154.2	137.8	121.4	105.0	88.6	72.2				
		 (USt)	211.6	172	145.5	105.8	79.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9			
		 (USt)																			
	JM 850 FEM ASCE	H (ft)	307.4	296.6	285.4	269.0	252.6	236.2	219.8	203.4	187.0	170.6	154.2	137.8	121.4	105.0	88.6	72.2			
		 (USt)	158.7	132.3	105.8	79.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9		
		 (USt)																			
	ZX 6830 FEM ASCE	H (ft)	216.9	206.0	189.6	173.2	156.8	140.4	124.0	107.6	91.2	74.8	58.4	42.0							
		 (USt)	133.4	100.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3						
		 (USt)	133.4																		

Counter-jib ballast

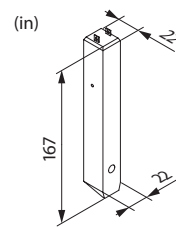
	10,141 lb	3373 lb	 (lb)
246 ft	5	2	57,452
230 ft	5	2	57,452
213 ft	5	2	57,452
197 ft	5	1	54,079
180 ft	5	1	54,079
164 ft	5	2	57,452
148 ft	5	2	57,452
131 ft	5	0	50,706
115 ft	4	2	47,311
98 ft	4	1	43,938

	6768 lb	3373 lb	 (lb)
246 ft	8	1	57,519
230 ft	8	1	57,519
213 ft	8	1	57,519
197 ft	8	0	54,146
180 ft	8	0	54,146
164 ft	8	1	57,519
148 ft	8	1	57,519
131 ft	7	1	50,750
115 ft	7	0	47,377
98 ft	6	1	43,982

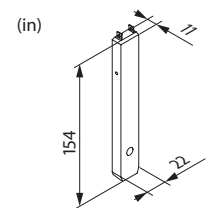
CBS - 10,141 lb



CBU - 6768 lb



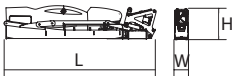
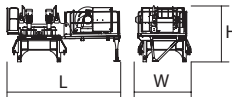
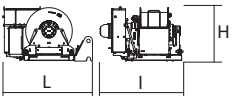
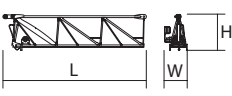
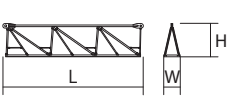
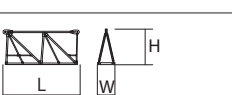
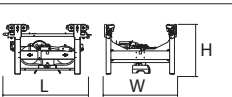
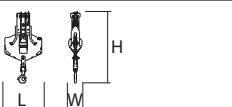
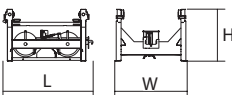
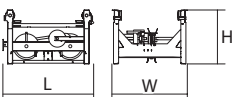
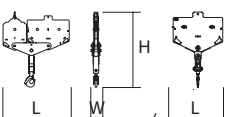
CBY - 3373 lb



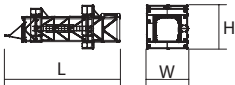
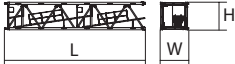
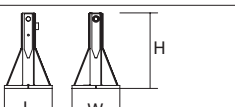
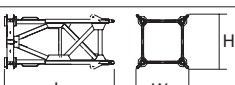
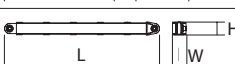
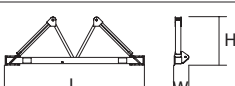
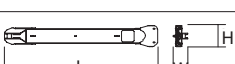
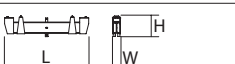
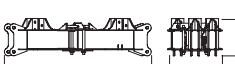
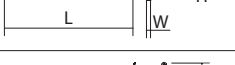
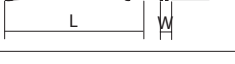
Component weights

Crane upper :  246 ft -  75 LVF



			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		Ultra View	16.5	7.3	8.2	14,815
Pivot + 75 LVF (+ rope)		 6.6 ft  8.0 ft	17.3 18.0	8.1 8.3	8.2 9.2	25,827 29,266
Hoisting winch (+ rope)		75 LVF	7.4	6.9	4.5	8367
Hoisting winch (+ rope)		100 LVF	14.0	7.5	7.6	10,913
Jib section		① 6 DVF	35.3	5.6	9.0	12,015
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 ⑨	17.3 16.7 16.7	3.9 3.9 3.9	7.8 5.0 4.6	2116 683 485
Trolley		 13.2 USt	6.1	5.0	3.4	882
Hook block		 13.2 USt	3.9	1.4	7.6	1003
Trolley		 13.2 USt	5.2	5.0	3.2	463
Trolley		 13.2 USt  6.6 USt	5.6 6.1	5.0 5.0	3.4 3.2	540 648
Hook block		 13.2 USt  6.6 USt	5.4 3.6	0.7 0.9	5.8 5.3	992 584

Component weights

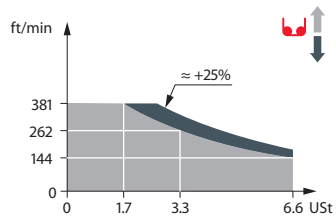
			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Climbing cage		6.6 ft 8.0 ft	37.7 33.6	13.8 15.2	14.3 19.0	18,155 28,484
K 639B K 850/KR 849B		6.6 ft 8.0 ft	33.6 33.6	6.8 8.3	6.7 8.2	11,662 20,878
KR 649A K 639A KRMT 849A K 849A K 850/KR 849A KMT 850.10A		6.6 ft 6.6 ft 8.0 ft 8.0 ft 8.0 ft 8.0 ft	17.2 17.2 17.2 17.2 17.2 17.5	6.9 6.8 8.4 8.4 8.3 8.3	6.8 6.7 8.3 8.2 8.2 8.2	7165 6184 9017 7496 12,291 12,015
K 639C KRMT 849C		6.6 ft 8.0 ft	11.7 11.7	6.8 8.4	6.7 8.3	4376 7066
Fixing angles		P 602A P 802A P 850A	2.1 2.5 3.0	2.1 2.5 3.0	4.2 4.2 4.9	650 1050 1841
Chassis mast		V 60A V 63A Y 800B	16.4 32.9 19.8	7.9 7.9 9.6	7.9 7.9 9.6	9678 16,502 19,004
Struts		V 60A V 63A Y 800B	14.8 14.8 18.1	1.0 1.1 1.6	1.0 1.1 1.5	926 1135 2447
Half-bearer		V 60A V 63A	22.0 22.0	2.3 2.3	7.6 7.6	3527 4079
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
Central cross (transport position)		YM 850 JM 850	17.1	5.6	4.9	14771
Chassis mast		YM 850 JM 850	28.7	8.2	8.2	32,187
Chassis girder		YM 850 JM 850	12.5 17.1	3.0 3.0	5.1 5.1	6173 7055
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	4630 5071
Cross girder		ZX 6830	29.9 29.9	3.7 2.5	3.6 4.9	11,607 12,004

Mechanisms

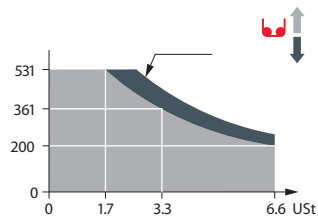
480 V - 60 Hz											hp	kW		
	75 LVF 30 Optima	ft/min	144	184	262	381	72	92	131	190	75	55	2513 ft	
		USt	6.6	5.0	3.3	1.7	13.2	9.9	6.6	3.3				
	100 LVF 30 Optima	ft/min	200	262	361	531	100	131	180	266	100	75	3087 ft	
		USt	6.6	5.0	3.3	1.7	13.2	9.9	6.6	3.3				
	6 DVF 4	ft/min	0 → 164 (13.2 USt) 0 → 328 (6.6 USt) 0 → 394 (3.3 USt)									5.5	4	
	RVF 172 Optima+	rpm	0 → 1									2 x 10	2 x 7.5	
	V 60A RT 544 A1 - 2V R ≥ 13 m	ft/min	52 - 105									4 x 8.4	4 x 6.2	
	V 63A RT 664 A2B - 2V	ft/min	62 - 125									6 x 8.4	6 x 6.2	
														
	ZX 6830 RT 664 A2B - 2V	ft/min	62- 125									6 x 8.4	6 x 6.2	
	Y 800B YM 850 JM 850													

 IEC 60204-32	
480 V (+6% -10%) 60 Hz	75 LVF : 84 kVA 100 LVF : 104 kVA

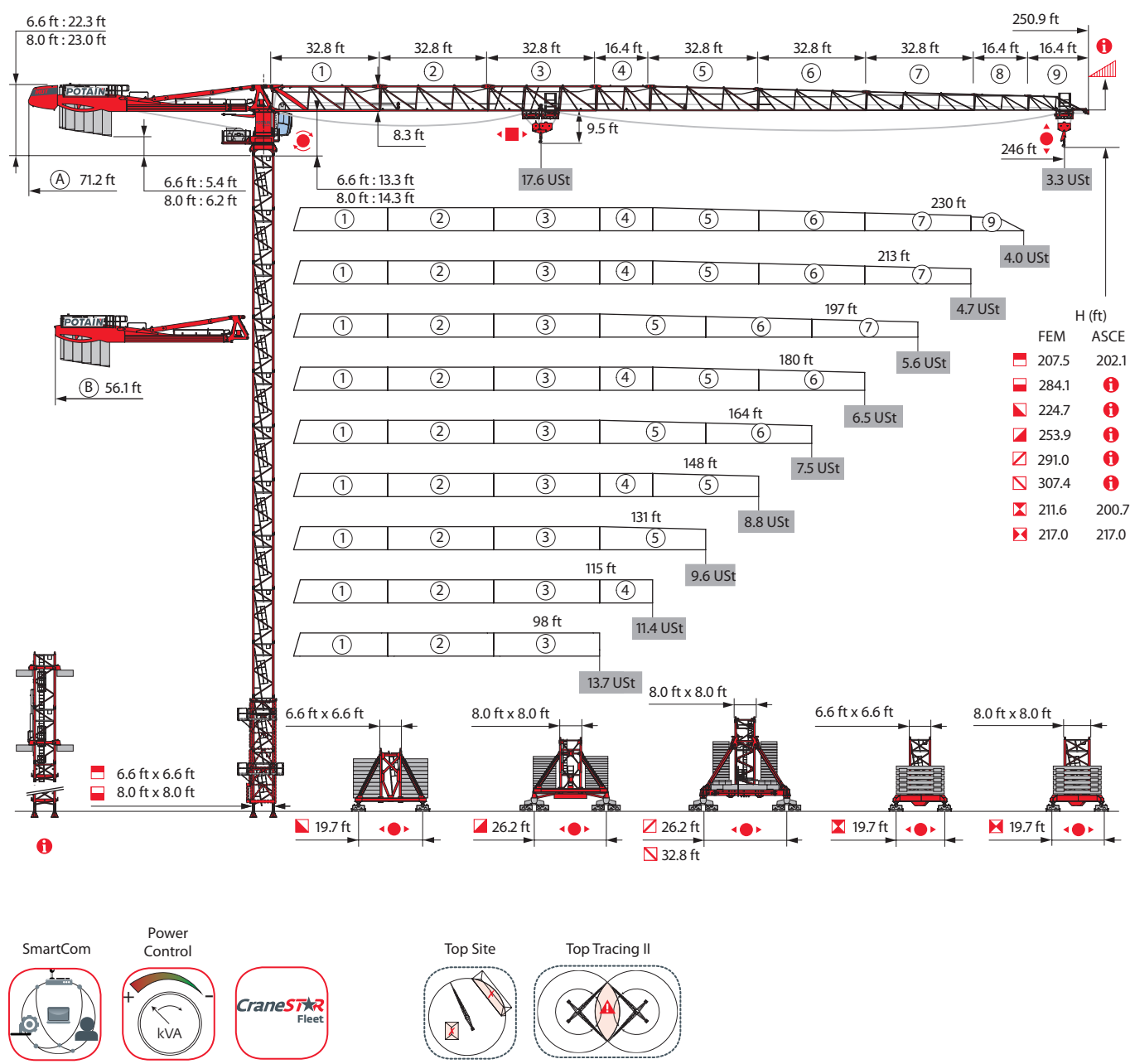
75 LVF 30 Optima



100 LVF 30 Optima



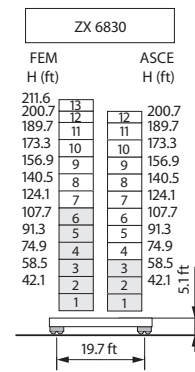
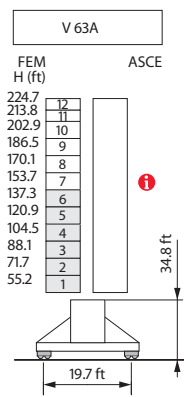
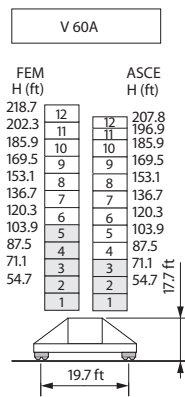
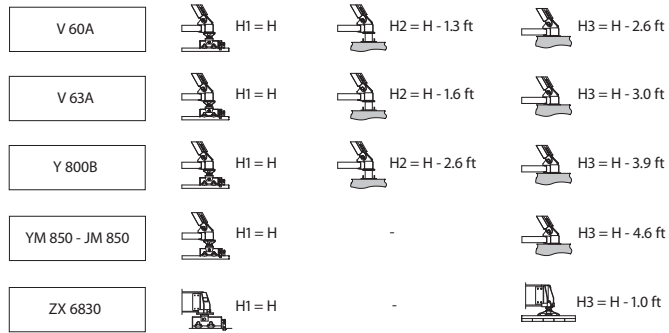
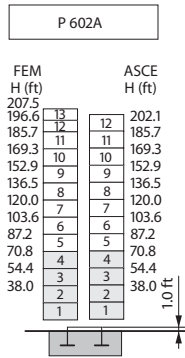
MDT 368 A L16



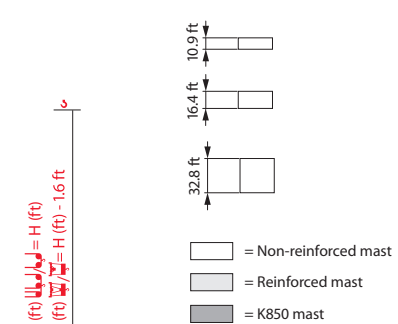
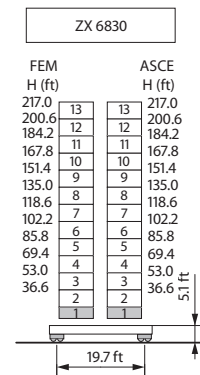
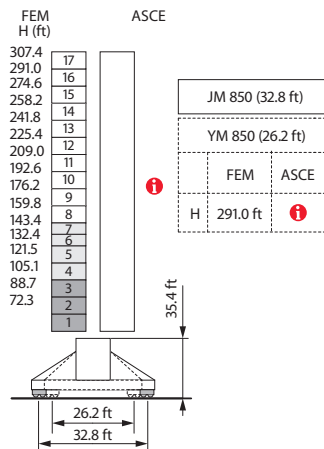
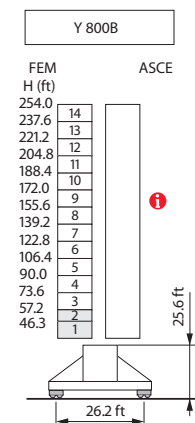
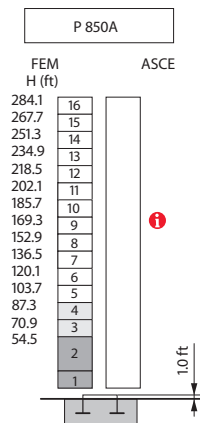
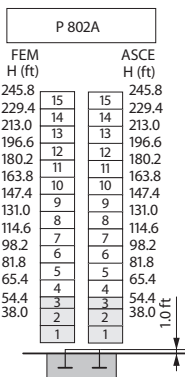
Values have been rounded

Mast

6.6 ft
98 ft → 246 ft



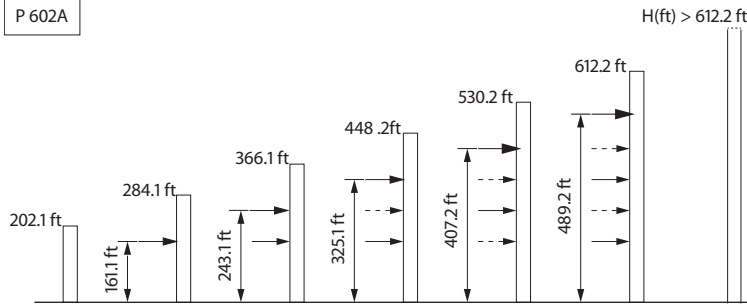
8.0 ft
98 ft → 246 ft



Note: When "ASCE" is noted in this data sheet it is referring to 105 mph Wind Zone, Exposure B, Design Wind Speed = 84 mph. See back cover for design wind speed calculations.

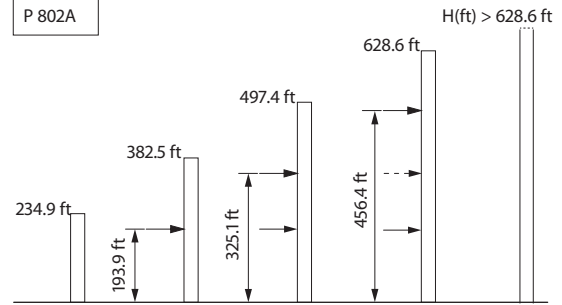
Anchorage

P 602A



ASCE 7-10

P 802A



Load chart



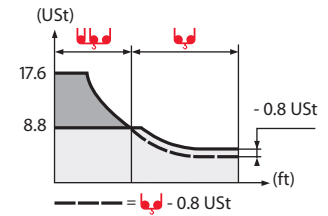
246 ft	11	▶	58	66	72	82	89	98	103	112	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	236	246	ft
▲▼▲			17.6	15.3	13.7	11.7	10.7	9.4	8.8	8.8	8.6	8.0	7.3	6.9	6.4	6.1	5.6	5.3	5.0	4.7	4.4	4.3	4.0	3.9	3.6	3.5	3.3	USt
230 ft	11	▶	62	66	72	82	89	98	105	110	119	121	131	138	148	154	164	171	180	187	197	203	213	220	230	ft		
▲▼▲			17.6	16.5	14.8	12.7	11.6	10.1	9.4	8.8	8.8	8.6	7.9	7.5	6.8	6.5	6.1	5.7	5.4	5.2	4.9	4.6	4.4	4.2	4.0	USt		
213 ft	11	▶	66	72	82	89	98	105	115	117	127	131	138	148	154	164	171	180	187	197	203	213	ft					
▲▼▲			17.6	15.8	13.6	12.5	10.9	10.1	9.0	8.8	8.8	8.5	8.0	7.4	7.1	6.5	6.2	5.8	5.6	5.2	5.1	4.7	USt					
197 ft	11	▶	69	72	82	89	98	105	115	121	124	134	138	148	154	164	171	180	187	197	ft							
▲▼▲			17.6	16.8	14.4	13.2	11.7	10.8	9.7	9.0	8.8	8.8	8.5	7.9	7.5	6.9	6.6	6.3	6.0	5.6	USt							
180 ft	11	▶	72	72	82	89	98	105	115	121	129	139	148	154	164	171	180	ft										
▲▼▲			17.6	17.5	15.1	13.8	12.2	11.2	10.1	9.5	8.8	8.8	8.2	7.8	7.3	6.9	6.5	USt										
164 ft	11	▶	73	82	89	98	105	115	121	131	132	142	148	154	164	ft												
▲▼▲			17.6	15.5	14.2	12.6	11.7	10.5	9.8	8.9	8.8	8.8	8.5	8.0	7.5	USt												
148 ft	11	▶	76	82	89	98	105	115	121	131	137	148	ft															
▲▼▲			17.6	16.2	14.8	13.1	12.1	10.9	10.3	9.3	8.8	8.8	USt															
131 ft	11	▶	77	82	89	98	105	115	121	131	ft																	
▲▼▲			17.6	16.5	15.1	13.3	12.3	11.1	10.4	9.5	USt																	
115 ft	11	▶	78	82	89	98	105	115	ft																			
▲▼▲			17.6	16.6	15.2	13.4	12.5	11.2	USt																			
98 ft	11	▶	78	82	89	98	ft																					
▲▼▲			17.6	16.8	15.3	13.6	USt																					

(USt)

17.6

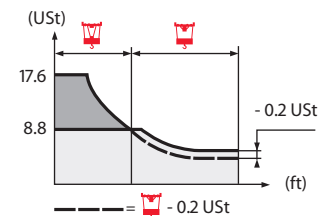
8.8

— = 8.8 - 0.8 USt



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		

— — — = - 0.2 USt



Base ballast

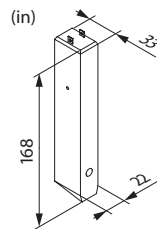
 6.6 ft	◀▶ V 60A FEM ASCE	H (ft)	218.8	202.4	186.0	169.6	153.2	136.8	120.4	104.0	87.6	71.2	54.8					
		(USt)	132.3	119	105.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6					
		(USt)	132.3															
	◀▶ V 63A FEM ASCE	H (ft)	224.7	213.6	202.8	186.4	169.9	153.5	137.1	120.7	104.3	87.9	71.5	55.1				
		(USt)	145.5	132.3	119	105.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6					
		(USt)																
	◀▶ ZX 6830 FEM ASCE	H (ft)	211.6	200.5	189.6	173.2	156.8	140.4	124.0	107.6	91.2	74.8	58.4	42.0				
		(USt)	122.4	111.3	100.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3					
		(USt)	89.3															
 8.0 ft	◀▶ Y 800B FEM ASCE	H (ft)	253.9	243.1	226.7	210.3	193.9	177.5	161.1	144.7	128.3	111.9	95.5	79.1	62.7	46.3		
		(USt)	145.5	119	79.4	52.9	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5			
		(USt)																
	◀▶ YM 850 FEM ASCE	H (ft)	291.0	280.2	269.0	252.6	236.2	219.8	203.4	187.0	170.6	154.2	137.8	121.4	105.0	88.6	72.2	
		(USt)	211.6	172	145.5	105.8	79.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9		
		(USt)																
	◀▶ JM 850 FEM ASCE	H (ft)	307.4	296.6	285.4	269.0	252.6	236.2	219.8	203.4	187.0	170.6	154.2	137.8	121.4	105.0	88.6	72.2
		(USt)	158.7	132.3	105.8	79.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	
		(USt)																
	◀▶ ZX 6830 FEM ASCE	H (ft)	216.9	206.0	189.6	173.2	156.8	140.4	124.0	107.6	91.2	74.8	58.4	42.0				
		(USt)	133.4	100.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3				
		(USt)	133.4															

Counter-jib ballast

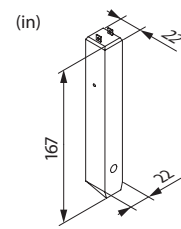
	10,141 lb	3373 lb	 (lb)
246 ft	5	2	57,452
230 ft	5	2	57,452
213 ft	5	2	57,452
197 ft	5	1	54,079
180 ft	5	1	54,079
164 ft	5	2	57,452
148 ft	5	2	57,452
131 ft	5	0	50,706
115 ft	4	2	47,311
98 ft	4	1	43,938

	6768 lb	3373 lb	 (lb)
246 ft	8	1	57,519
230 ft	8	1	57,519
213 ft	8	1	57,519
197 ft	8	0	54,146
180 ft	8	0	54,146
164 ft	8	1	57,519
148 ft	8	1	57,519
131 ft	7	1	50,750
115 ft	7	0	47,377
98 ft	6	1	43,982

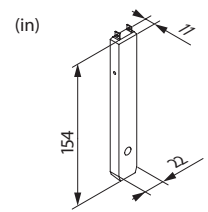
CBS - 10,141 lb



CBU - 6768 lb



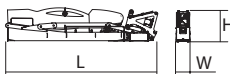
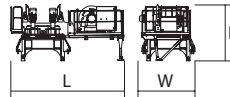
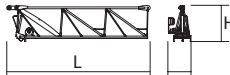
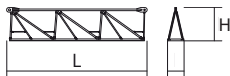
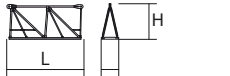
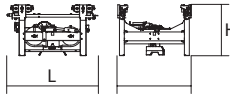
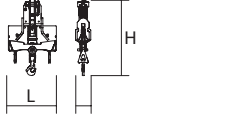
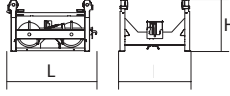
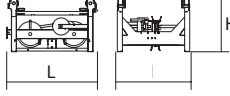
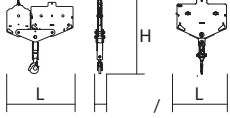
CBY - 3373 lb



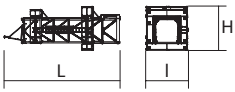
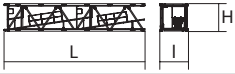
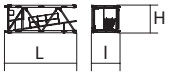
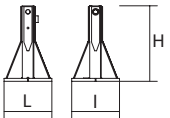
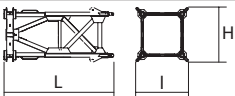
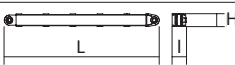
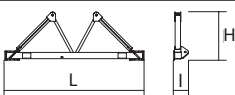
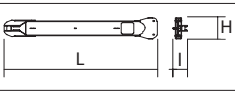
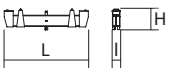
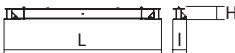
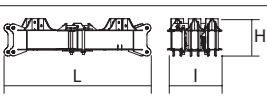
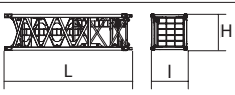
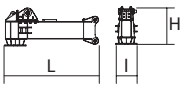
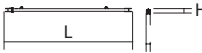
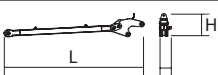
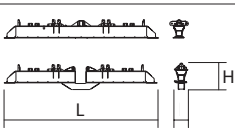
Component weights

Crane upper :  246 ft -  75 LVF



			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		Ultra View	16.5	7.3	8.2	14,815
Pivot + 75 LVF (+ rope)		 2 m  2.45 m 75 LVF	17.3 18.0 7.4	8.1 8.3 6.9	8.2 9.2 4.5	25,794 29,233 8322
Hoisting winch (+ rope)		100 LVF 150/180 LVF GH	14.0 18.5	7.5 10.1	7.6 8.7	12,588 23,171
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
Trolley		 17.6 USt	5.8	5.0	3.4	551
Trolley		 17.6 USt  8.8 USt	5.8 6.0	5.0 5.0	3.4 3.4	668 668
Hook block		 17.6 USt  8.8 USt	6.0 3.8	0.9 0.7	6.2 5.2	1863 816

Component weights

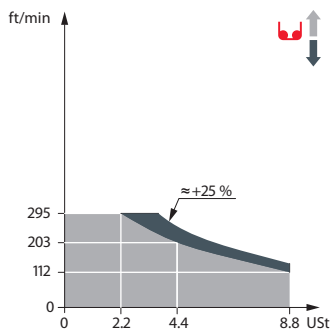
			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Climbing cage		6.6 ft 8 ft	37.7 33.6	13.8 15.2	14.3 19.0	18,155 28,484
K 639B K 850/KR 849B		6.6 ft 8 ft	33.6 33.6	6.8 8.3	6.7 8.2	11,662 20,878
KR 649A K 639A KRMT 849A K 849A K850/KR 849A KMT 850.10A		6.6 ft 6.6 ft 8 ft 8 ft 8 ft 8 ft	17.2 17.2 17.2 17.2 17.2 17.5	6.9 6.8 8.4 8.4 8.3 8.3	6.8 6.7 8.3 8.2 8.2 8.2	7165 6184 9017 7496 12291 12015
K 639C KRMT 849C		6.6 ft 8 ft	11.7 11.7	6.8 8.4	6.7 8.3	4376 7066
Fixing angles		P 62B P 802A P 850A	2.1 2.5 3.0	2.1 2.5 3.0	4.2 4.2 4.9	650 1050 1841
Chassis mast		V 60A V 63A Y 800B	16.4 32.9 19.8	7.9 7.9 9.6	7.9 7.9 9.6	9678 16,502 19,004
Struts		V 60A V 63A Y 800B	14.8 14.8 18.1	1.0 1.1 1.6	1.0 1.1 1.5	926 1135 2447
Half-bearer		V 60A V 63A	22.0 22.0	2.3 2.3	7.6 7.6	3527 4079
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
Central cross (transport position)		YM 850 JM 850	17.1	5.6	4.9	14,771
Chassis mast		YM 850 JM 850	28.7	8.2	8.2	32,187
Chassis girder		YM 850 JM 850	12.5 17.1	3.0 3.0	5.1 5.1	6173 7055
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	4630 5071
Cross girder		ZX 6830	29.9 29.9	3.7 2.5	3.6 4.9	11,607 12,004

Mechanisms

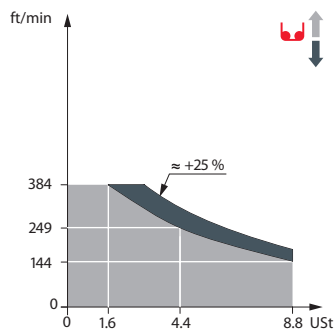
480 V - 60 Hz											hp	kW			
	75 LVF 40 Optima	ft/min	112	144	203	295	56	72	102	148	75	55	2090 ft		
		USt	8.8	6.6	4.4	2.2	17.6	13.2	8.8	4.4					
	100 LVF 40 Optima	ft/min	144	184	249	384	72	92	125	192	100	75	3727 ft		
		USt	8.8	6.6	4.4	1.6	17.6	13.2	8.8	3.2					
	180 LVF 40 GH Optima	ft/min	262	331	449	653	814	138	180	259	325	407	180	132	3842 ft
		USt	8.8	6.6	4.4	2.5	1.3	17.6	13.2	8.8	6.5	4			
	6 DVF 6	ft/min	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			
	V 60A RT 544 A1 - 2V R ≥ 13 m	ft/min	52 - 105								4 x 8.4	4 x 6.2			
	V 63A RT 664 A2B - 2V	ft/min	62 - 125								6 x 8.4	6 x 6.2			
															
	ZX 6830 RT 664 A2B - 2V	ft/min	62 - 125								6 x 8.4	6 x 6.2			
	Y 800B YM 850 JM 850														

 IEC 60204-32	 kVA
480 V (+6% -10%) 60 Hz	75 LVF : 84 kVA 100 LVF : 104 kVA 180 LVF GH : 168 → 96 kVA 

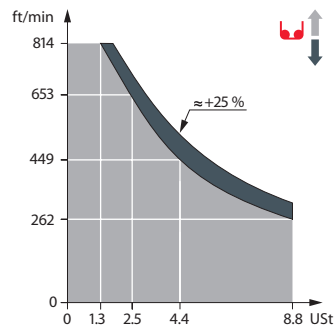
75 LVF 40 Optima



100 LVF 40 Optima



180 LVF 40 GH Optima



Notes

	Jib elevation
	Standard equipment
	Options
	Reactions in service
	Reactions out of service
	Weight without load, without ballast, with jib and max. height
	Total ballast weight
	Truck 44 ft
	Container High Cube 40 ft, and/or Flat Rack 20 ft

	Tightened anchorage frame
	Loosened anchorage frame
	Hoisting
	Trolleying
	Slewing
	Travelling
	Required power
	Power Control function: Hoisting speeds adapted to the available power
	Consult us

Notes

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 26.5-1C. The wind velocity, used for this configuration was 84 mph (135 kph), which represents a nominal design 3-second wind gust at 33 ft (10 m) above ground for Exposure B category A factor of 0.80 was applied to the 50-year design wind speed of 105 mph (169 kph), per ASCE 37-02, with the assumption that this crane is considered a temporary structure used during a construction period of 1 year 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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