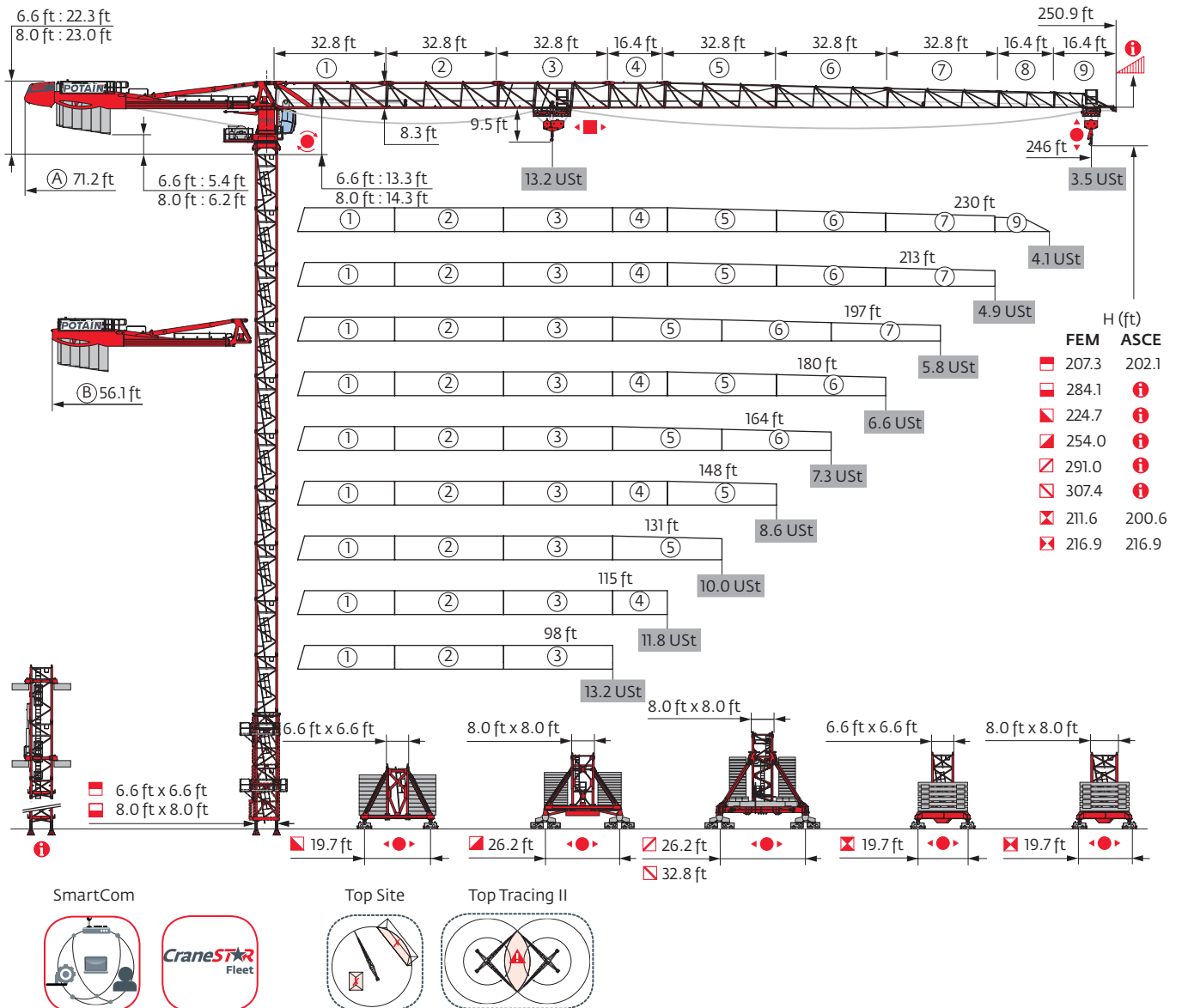


# MDT 368 A

## Data Sheet

FEM 1.001-A3  
ASCE 7-10

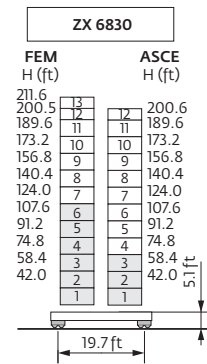
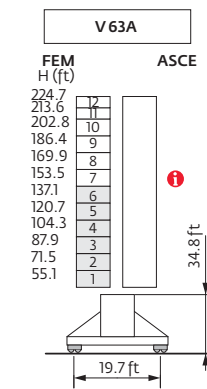
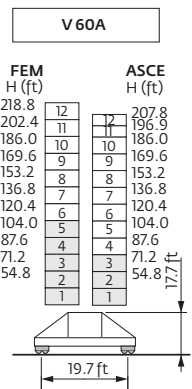
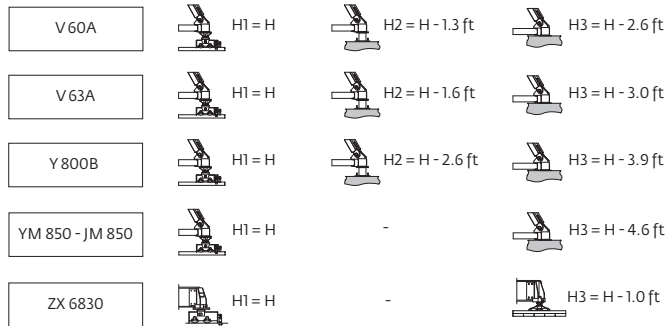
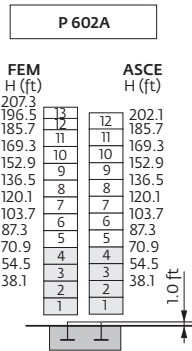
### MDT 368 A L12



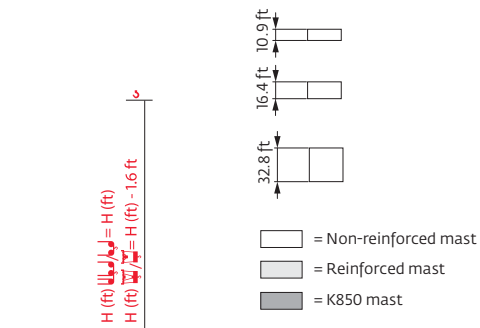
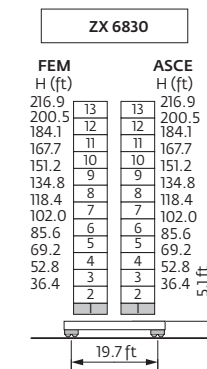
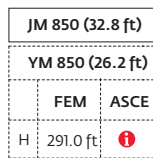
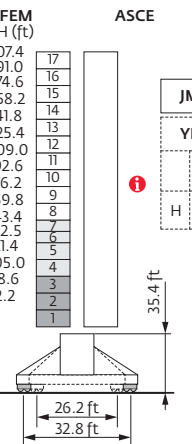
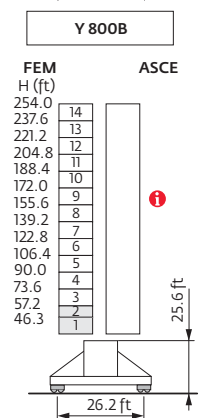
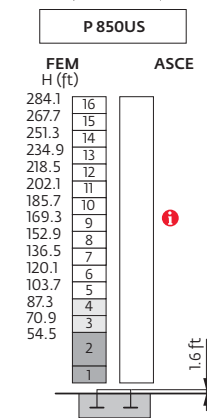
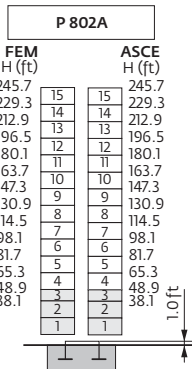
Values have been rounded

# Mast

6.6 ft  
98 ft → 246 ft



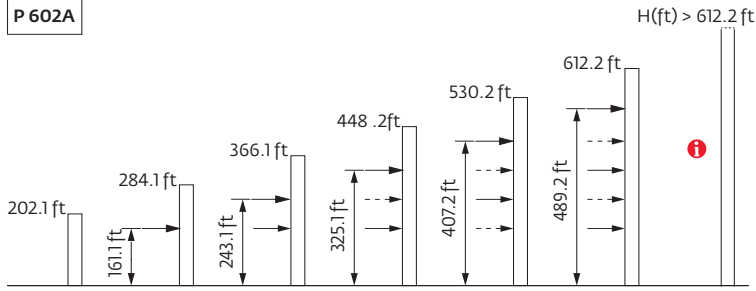
8.0 ft  
98 ft → 246 ft



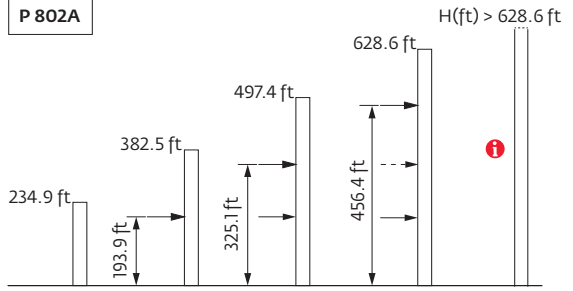
Note: When "ASCE" is noted in this data sheet it is referring to 115 mph Wind Zone, Exposure B, Design Wind Speed = 98 mph. See back cover for design wind speed calculations.

# Anchorage (Consult us for ASCE 7-10 values)

**P 602A**



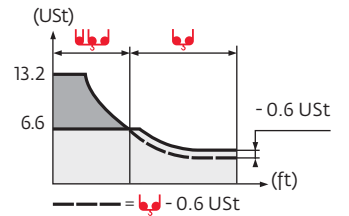
**P 802A**



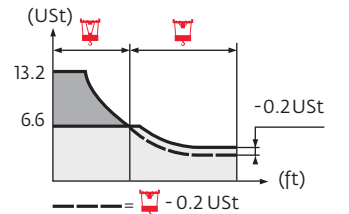
## Load charts



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																						










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																						










# Base ballast

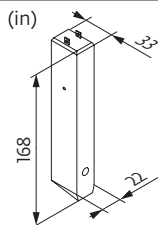
6.6 ft	V 60A	H (ft)	218.8	207.8	202.4	186.0	169.6	153.2	136.8	120.4	104.0	87.6	71.2	54.8				
		FEM	132.3	-	119.0	105.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6			
		ASCE	-	132.3														
	V 63A	H (ft)	224.7	213.6	202.8	186.4	169.9	153.5	137.1	120.7	104.3	87.9	71.5	55.1				
		FEM	145.5	132.3	119.0	105.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6				
		ASCE																
	ZX 6830	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				
		FEM	122.4	111.3	100.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3				
		ASCE																
8.0 ft	Y 800B	H (ft)	253.9	237.5	221.1	204.7	188.3	171.9	155.5	139.1	122.7	106.3	89.9	73.5	57.1	46.3		
		FEM	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		
		ASCE																
	YM 850	H (ft)	291.0	274.6	258.2	241.8	225.4	209.0	192.6	176.2	159.8	143.4	127.0	115.8	105.0	88.6	72.2	
		FEM	211.6	172.0	132.3	92.6	66.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	
		ASCE																
	JM 850	H (ft)	307.4	291.0	274.6	258.2	241.8	225.4	209.0	192.6	176.2	159.8	143.4	132.5	121.4	105.0	88.6	72.2
		FEM	158.7	119.0	92.6	66.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
		ASCE																
	ZX 6830	H (ft)	216.9	200.5	184.1	167.7	151.2	134.8	118.4	102.0	85.6	69.2	52.8	36.4				
		FEM	133.4	100.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3				
		ASCE																

# Counter-jib ballast

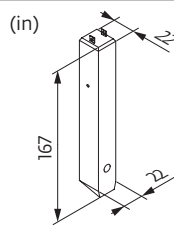
	 (lb) (+/- 5%)					
				10,141 lb	3373 lb	 (lb)
246 ft	39,308	38,482	39,441	5	2	57,452
230 ft	38,735	37,942	38,845	5	2	57,452
213 ft	37,875	37,148	37,997	5	2	57,452
197 ft	35,605	34,943	35,737	5	1	54,079
180 ft	35,605	34,943	35,737	5	1	54,079
164 ft	33,510	32,849	33,643	5	2	57,452
148 ft	33,180	32,518	33,312	5	2	57,452
131 ft	31,350	30,688	31,482	5	0	50,706
115 ft	30,005	29,344	30,137	4	2	47,311
98 ft	28,175	27,514	28,307	4	1	43,938

	 (lb) (+/- 5%)					
				6768 lb	3373 lb	 (lb)
246 ft	39,308	38,482	39,441	8	1	57,519
230 ft	38,735	37,942	38,845	8	1	57,519
213 ft	37,875	37,148	37,997	8	1	57,519
197 ft	35,605	34,943	35,737	8	0	54,146
180 ft	35,605	34,943	35,737	8	0	54,146
164 ft	33,510	32,849	33,643	8	1	57,519
148 ft	33,180	32,518	33,312	8	1	57,519
131 ft	31,350	30,688	31,482	7	1	50,750
115 ft	30,005	29,344	30,137	7	0	47,377
98 ft	28,175	27,514	28,307	6	1	43,982

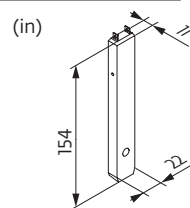
CBS - 10,141 lb







CBU - 6768 lb



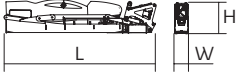

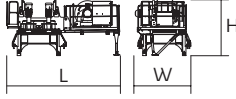
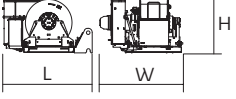

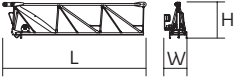
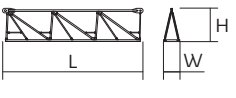
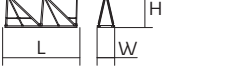
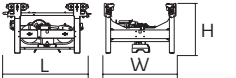

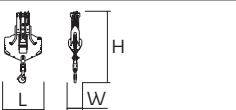

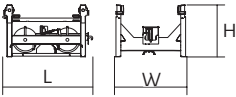

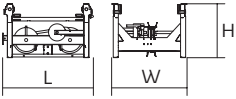


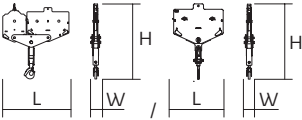


CBY - 3373 lb




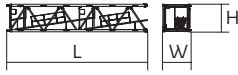


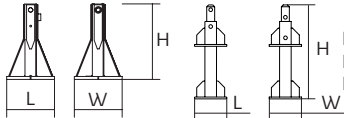
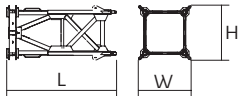
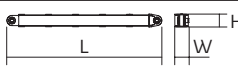
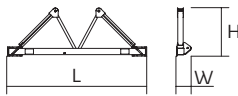
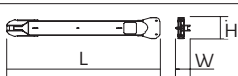
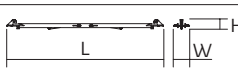
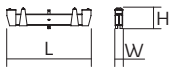
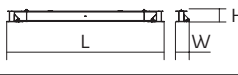
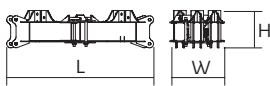
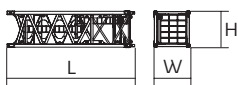
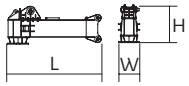
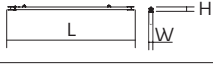
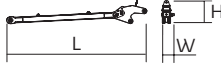
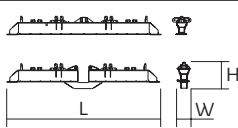
# Component weights

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		UltraView	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

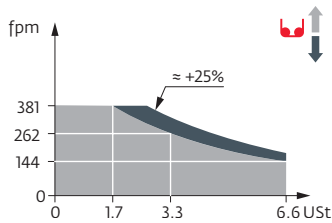
			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Climbing cage		☐ 6.6 ft ☐ 8.0 ft	37.7 33.6	13.8 15.2	14.3 19.0	18,155 28,484
K 639B K 850/KR 849B		☐ 6.6 ft ☐ 8.0 ft	33.6 33.6	6.8 8.3	6.7 8.2	11,662 20,878
KR 649A K 639A KRMT 849A K 849A K 850/KR 849A KMT 850.10A		☐ 6.6 ft ☐ 6.6 ft ☐ 8.0 ft ☐ 8.0 ft ☐ 8.0 ft ☐ 8.0 ft	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 850US	2.1 2.5 2.3	2.1 2.5 2.3	4.2 4.2 5.5	650 1193 2127
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

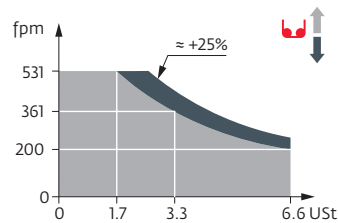
480 V - 60 Hz										hp	kW		
	<b>75 LVF 30 Optima</b>	fpm	144	184	262	381	72	92	131	190	75	55	2513 ft
	USt	6.6	5.0	3.3	1.7	13.2	9.9	6.6	3.3				
	<b>100 LVF 30 Optima</b>	fpm	200	262	361	531	100	131	180	266	100	75	3087 ft
	USt	6.6	5.0	3.3	1.7	13.2	9.9	6.6	3.3				
	<b>6 DVF 4</b>	fpm	0 → 164 (13.2 USt)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

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

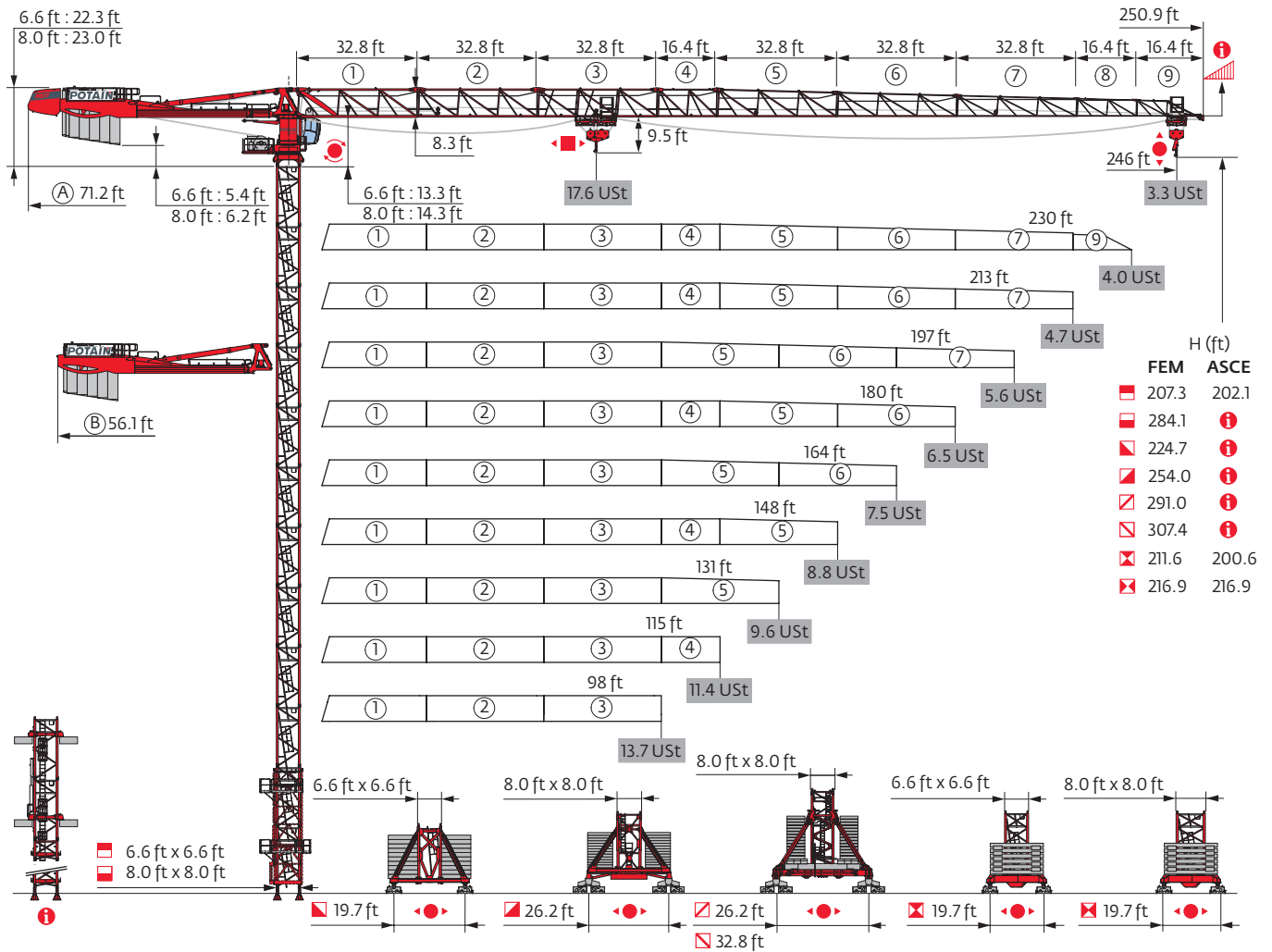
75 LVF 30 Optima



100 LVF 30 Optima



# MDT 368 A L16

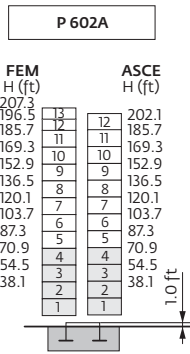


Values have been rounded

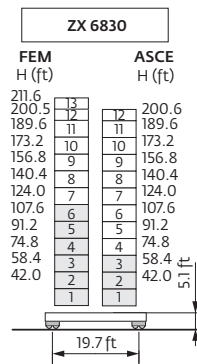
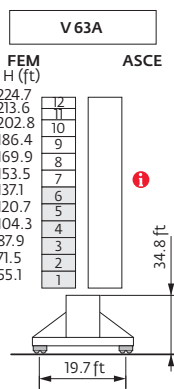
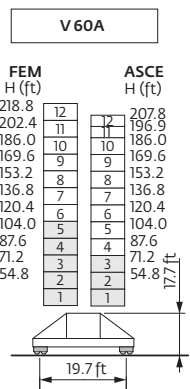


# Mast

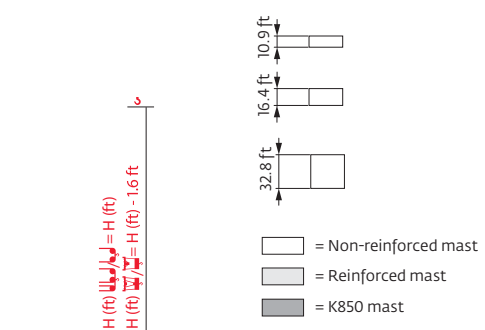
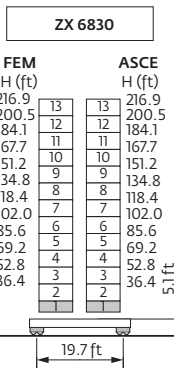
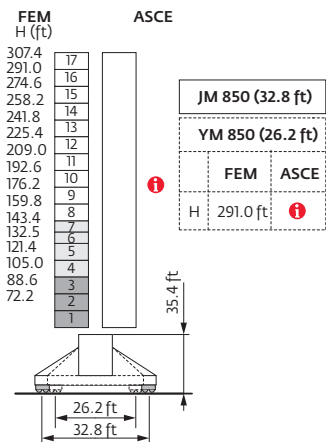
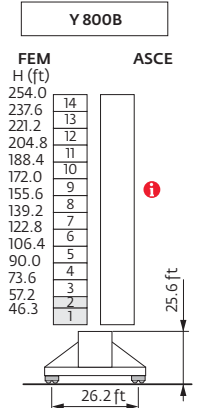
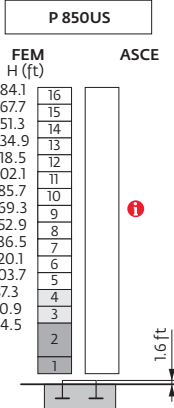
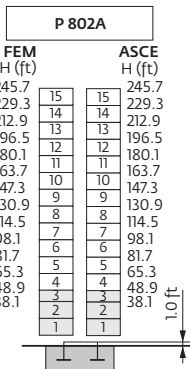
- 6.6 ft
- 98 ft → 246 ft



Model	Diagram	H1 = H	H2 = H - 1.3 ft	H3 = H - 2.6 ft
V 60A		H1 = H	H2 = H - 1.3 ft	H3 = H - 2.6 ft
V 63A		H1 = H	H2 = H - 1.6 ft	H3 = H - 3.0 ft
Y 800B		H1 = H	H2 = H - 2.6 ft	H3 = H - 3.9 ft
YM 850 - JM 850		H1 = H	-	H3 = H - 4.6 ft
ZX 6830		H1 = H	-	H3 = H - 1.0 ft

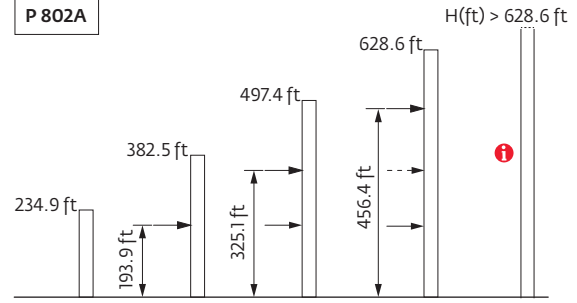
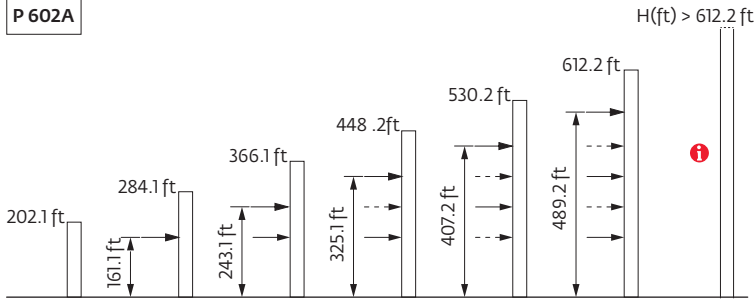


- 8.0 ft
- 98 ft → 246 ft



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.

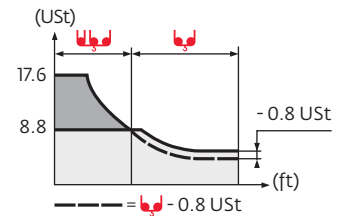
# Anchorage (Consult us for ASCE 7-10 values)



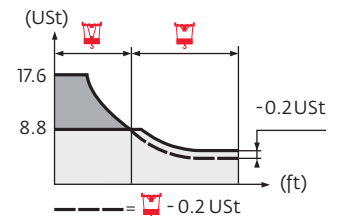
## Load chart



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																					



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	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	141	148	ft															
▲▼▲▼			17.6	16.2	14.9	13.2	12.2	11.0	10.4	9.4	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

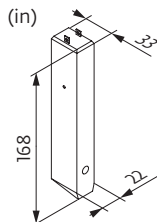
6.6 ft	<b>V 60A</b> FEM ASCE	H (ft)	218.8	207.8	202.4	186.0	169.6	153.2	136.8	120.4	104.0	87.6	71.2	54.8					
		(USt)	132.3	-	119.0	105.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6				
		(USt)	-	132.3															
6.6 ft	<b>V 63A</b> FEM ASCE	H (ft)	224.7	213.6	202.8	186.4	169.9	153.5	137.1	120.7	104.3	87.9	71.5	55.1					
		(USt)	145.5	132.3	119.0	105.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6				
		(USt)																	
6.6 ft	<b>ZX 6830</b> 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)																	
8.0 ft	<b>Y 800B</b> FEM ASCE	H (ft)	253.9	237.5	221.1	204.7	188.3	171.9	155.5	139.1	122.7	106.3	89.9	73.5	57.1	46.3			
		(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	26.5		
		(USt)																	
		(USt)																	
8.0 ft	<b>YM 850</b> FEM ASCE	H (ft)	291.0	274.6	258.2	241.8	225.4	209.0	192.6	176.2	159.8	143.4	127.0	115.8	105.0	88.6	72.2		
		(USt)	211.6	172.0	132.3	92.6	66.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	
		(USt)																	
		(USt)																	
8.0 ft	<b>JM 850</b> FEM ASCE	H (ft)	307.4	291.0	274.6	258.2	241.8	225.4	209.0	192.6	176.2	159.8	143.4	132.5	121.4	105.0	88.6	72.2	
		(USt)	158.7	119.0	92.6	66.1	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)																	
		(USt)																	
8.0 ft	<b>ZX 6830</b> FEM ASCE	H (ft)	216.9	200.5	184.1	167.7	151.2	134.8	118.4	102.0	85.6	69.2	52.8	36.4					
		(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)																	
		(USt)																	

# Counter-jib ballast

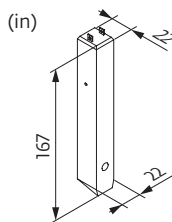
	(lb) (+/- 5%)					
				10,141 lb	3373 lb	(lb)
246 ft	39,904	38,790	40,212	5	2	57,452
230 ft	39,330	38,250	39,639	5	2	57,452
213 ft	38,471	37,457	38,779	5	2	57,452
197 ft	36,200	35,252	36,509	5	1	54,079
180 ft	36,200	35,252	36,509	5	1	54,079
164 ft	34,106	33,158	34,414	5	2	57,452
148 ft	33,775	32,827	34,083	5	2	57,452
131 ft	31,945	30,997	32,254	5	0	50,706
115 ft	30,600	29,652	30,909	4	2	47,311
98 ft	28,770	27,822	29,079	4	1	43,938

	(lb) (+/- 5%)					
				6768 lb	3373 lb	(lb)
246 ft	39,904	38,790	40,212	8	1	57,519
230 ft	39,330	38,250	39,639	8	1	57,519
213 ft	38,471	37,457	38,779	8	1	57,519
197 ft	36,200	35,252	36,509	8	0	54,146
180 ft	36,200	35,252	36,509	8	0	54,146
164 ft	34,106	33,158	34,414	8	1	57,519
148 ft	33,775	32,827	34,083	8	1	57,519
131 ft	31,945	30,997	32,254	7	1	50,750
115 ft	30,600	29,652	30,909	7	0	47,377
98 ft	28,770	27,822	29,079	6	1	43,982

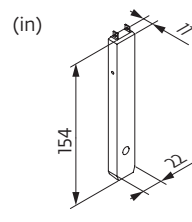
CBS - 10,141 lb



CBU - 6768 lb




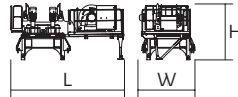


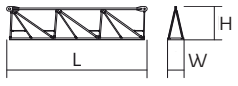
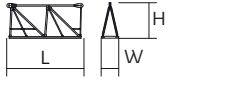
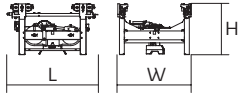

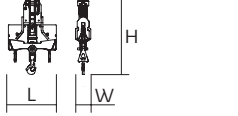
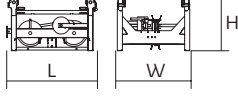

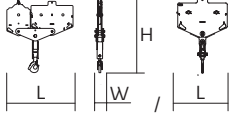

CBY - 3373 lb



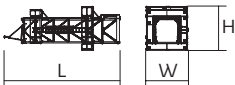

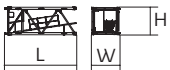

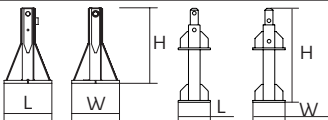
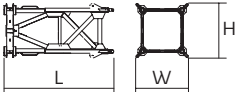
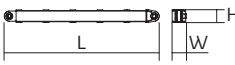
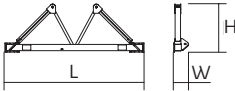
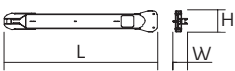

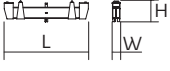
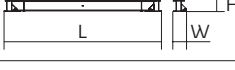

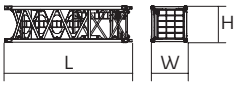
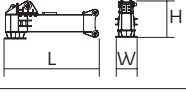
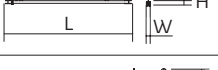

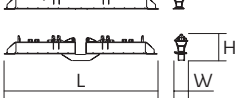
# Component weights

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		UltraView	16.5	7.3	8.2	14,815
Pivot + 75 LVF (+ rope)		 6.6 ft	17.3	8.1	8.2	25,794
		 8.0 ft	18.0	8.3	9.2	29,233
Hoisting winch (+ rope)		75 LVF	7.4	6.9	4.5	8322
		100 LVF 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	33.5	3.9	8.2	6934
		③	33.8	3.9	7.9	5335
		⑤	33.5	3.9	7.8	3439
		⑥	33.6	3.9	6.9	2723
		⑦	33.4	3.9	6.0	2094
Jib section		④	17.3	3.9	7.8	2116
		⑧	16.7	3.9	5.0	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	5.8	5.0	3.4	668
		 8.8 USt	6.0	5.0	3.4	668
Hook block		 17.6 USt	6.0	0.9	6.2	1863
		 8.8 USt	3.8	0.7	5.2	816

# Component weights

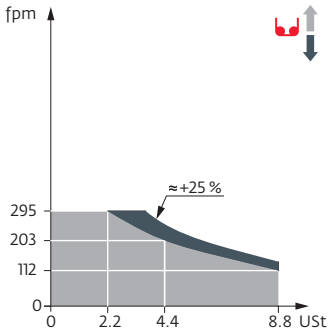
			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Climbing cage		▽ 6.6 ft ▽ 8.0 ft	37.7 33.6	13.8 15.2	14.3 19.0	18,155 28,484
K 639B K 850/KR 849B		▽ 6.6 ft ▽ 8.0 ft	33.6 33.6	6.8 8.3	6.7 8.2	11,662 20,878
KR 649A K 639A KRMT 849A K 849A K850/KR 849A KMT 850.10A		▽ 6.6 ft ▽ 6.6 ft ▽ 8.0 ft ▽ 8.0 ft ▽ 8.0 ft ▽ 8.0 ft	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 12291 12015
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 850US	2.1 2.5 2.3	2.1 2.5 2.3	4.2 4.2 2.3	650 1193 2127
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

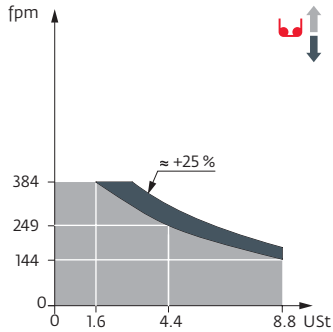
480 V - 60 Hz										hp	kW				
	<b>75 LVF 40 Optima</b>	fpm	112	144	203	295	56	72	102	148	75	55	2090 ft		
		USt	8.8	6.6	4.4	2.2	17.6	13.2	8.8	4.4					
	<b>100 LVF 40 Optima</b>	fpm	144	184	249	384	72	92	125	192				100	75
		USt	8.8	6.6	4.4	1.6	17.6	13.2	8.8	3.2					
	<b>180 LVF 40 GH Optima</b>	fpm	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	4.0			
	<b>6 DVF 6</b>	fpm	0 → 138 (17.6 t) 0 → 276 (8.8 USt) 0 → 328 (4.4 USt)									5.5	4		
	<b>RVF 172 Optima+</b>	rpm	0 → 1									2 x 10	2 x 7.5		
	<b>V 60A RT 544 A1 - 2V R ≥ 13 m</b>	fpm	52 - 105									4 x 8.4	4 x 6.2		
	<b>V 63A RT 664 A2B - 2V</b>	fpm	62 - 125									6 x 8.4	6 x 6.2		
	<b>ZX 6830 RT 664 A2B - 2V</b>	fpm	62 - 125									6 x 8.4	6 x 6.2		
	<b>Y 800B YM 850 JM 850</b>														

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



# 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-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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