



MR 295

Data Sheet

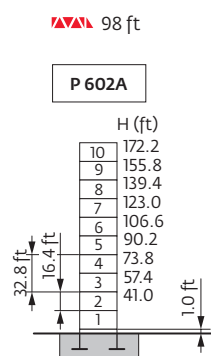
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Values have been rounded

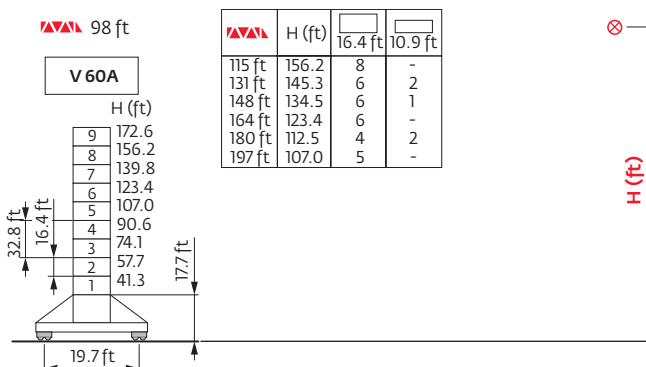


Mast

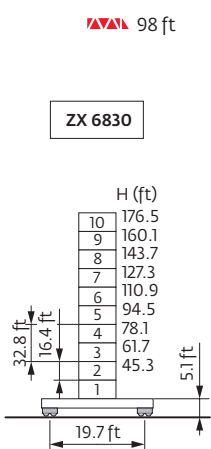
6.6 ft



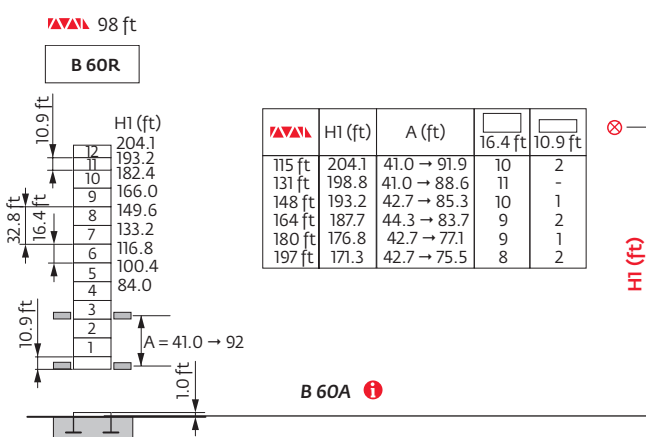
▲▲▲	H (ft)	16.4 ft	10.9 ft
115 ft	172.2	10	-
131 ft	167.0	9	1
148 ft	161.4	8	2
164 ft	155.8	9	-
180 ft	145.0	7	2
197 ft	139.4	8	-



▲▲▲	H (ft)	16.4 ft	10.9 ft
115 ft	156.2	8	-
131 ft	145.3	6	2
148 ft	134.5	6	1
164 ft	123.4	6	-
180 ft	112.5	4	2
197 ft	107.0	5	-

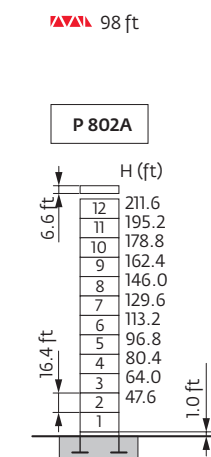


▲▲▲	H (ft)	16.4 ft	10.9 ft
115 ft	170.9	9	1
131 ft	160.1	9	-
148 ft	149.0	7	2
164 ft	138.1	7	1
180 ft	132.5	6	2
197 ft	127.3	7	-

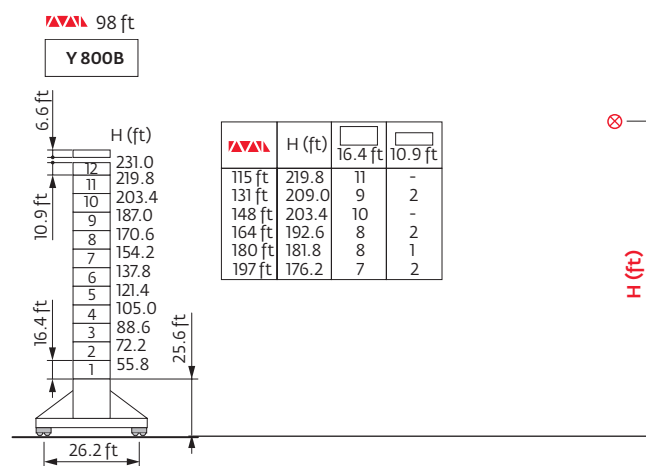


▲▲▲	H1 (ft)	A (ft)	16.4 ft	10.9 ft
115 ft	204.1	41.0 → 91.9	10	2
131 ft	198.8	41.0 → 88.6	11	-
148 ft	193.2	42.7 → 85.3	10	1
164 ft	187.7	44.3 → 83.7	9	2
180 ft	176.8	42.7 → 77.1	9	1
197 ft	171.3	42.7 → 75.5	8	2

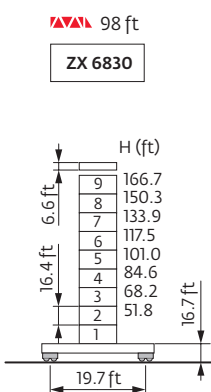
8.0 ft



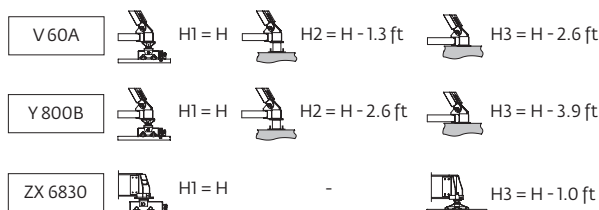
▲▲▲	H (ft)	16.4 ft	10.9 ft
115 ft	200.8	10	2
131 ft	190.0	10	1
148 ft	184.4	9	2
164 ft	173.6	9	1
180 ft	168.0	8	2
197 ft	162.4	9	-



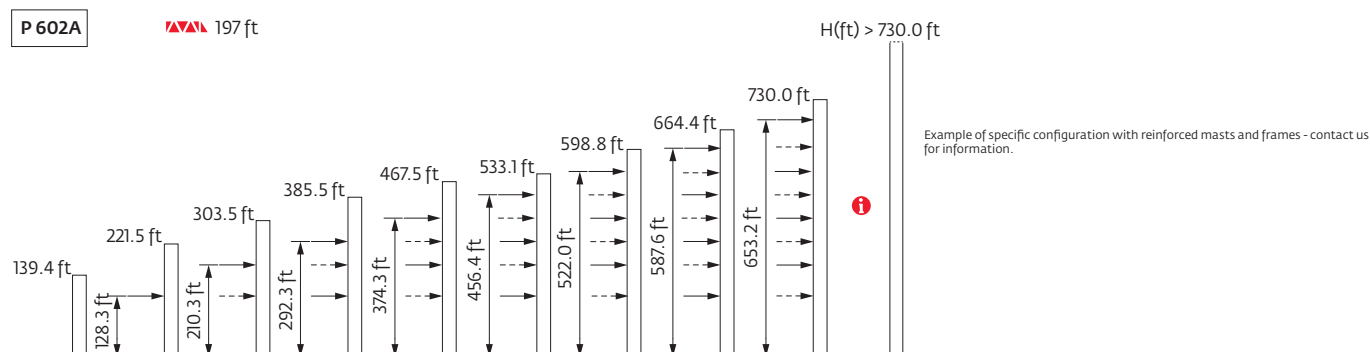
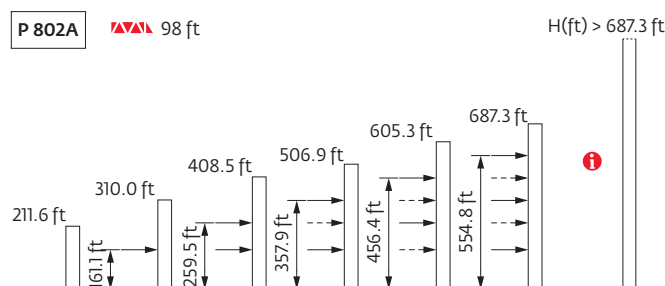
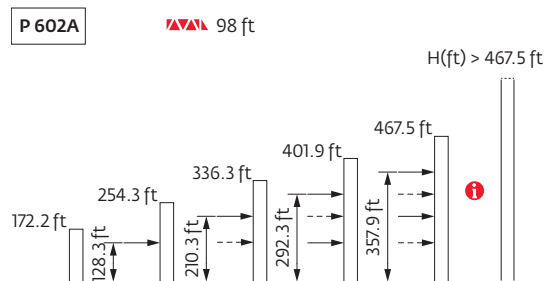
▲▲▲	H (ft)	16.4 ft	10.9 ft
115 ft	219.8	11	-
131 ft	209.0	9	2
148 ft	203.4	10	-
164 ft	192.6	8	2
180 ft	181.8	8	1
197 ft	176.2	7	2



▲▲▲	H (ft)	16.4 ft	10.9 ft
115 ft	161.1	8	1
131 ft	150.3	8	-
148 ft	139.1	6	2
164 ft	128.3	6	1
180 ft	122.7	5	2
197 ft	122.7	5	2

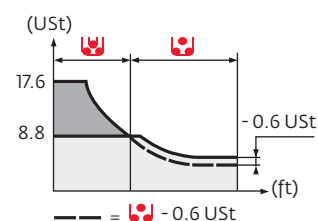


Anchorage



Load charts

197 ft	16	▶															121	131	138	148	154	164	171	180	187	197	ft
▶▶▶▶▶	▶▶															8.8	7.6	6.9	6.1	5.5	4.7	4.3	3.6	3.4	3.1	USt	
180 ft	15	▶	73	82	89	91	98	105	115	116	121	124	131	138	148	154	164	171	180	181	ft						
▶▶▶▶▶	▶▶▶▶▶			17.6	15.0	13.3	-	11.1	10.0	8.5	8.8	8.2	-	6.9	6.3	5.7	5.4	4.6	4.2	3.5	3.5	USt					
	▶▶▶▶▶					13.2	11.7	10.5	9.0	-	8.2	-	6.9	6.3	5.5	5.3	4.5	4.1	3.4	3.3	USt						
	▶▶▶▶▶											0.0	8.8	7.9	7.3	6.3	5.7	5.3	4.7	4.1	4.1	USt					
164 ft	14	▶	74	82	89	92	98	105	117	121	125	131	138	148	154	164	165	ft									
▶▶▶▶▶	▶▶▶▶▶			17.6	15.1	13.4	-	11.4	10.1	8.8	8.3	-	7.2	6.6	6.1	5.5	4.6	4.6	USt								
	▶▶▶▶▶					13.2	11.8	10.7	-	8.3	-	7.2	6.5	5.8	5.3	4.5	4.4	USt									
	▶▶▶▶▶											0.0	8.8	8.2	7.4	6.5	6.2	5.3	5.2	USt							
148 ft	13	▶	74	82	89	92	98	105	115	118	126	131	138	148	149	ft											
▶▶▶▶▶	▶▶▶▶▶			17.6	15.3	13.6	-	11.5	10.4	8.8	8.8	-	7.7	7.1	6.1	5.9	USt										
	▶▶▶▶▶					13.2	12.0	10.8	9.3	8.8	-	7.6	6.8	5.8	5.7	USt											
	▶▶▶▶▶											0.0	8.8	8.3	7.7	6.7	6.5	USt									
131 ft	12	▶	75	82	89	93	98	105	115	119	129	131	134	ft													
▶▶▶▶▶	▶▶▶▶▶			17.6	15.4	13.8	-	11.7	10.5	9.0	8.8	-	7.8	7.6	USt												
	▶▶▶▶▶					13.2	12.1	11.0	9.3	-	-	7.6	7.4	USt													
	▶▶▶▶▶											8.8	8.5	8.2	USt												
115 ft	11	▶	76	82	89	94	98	105	115	118	ft																
▶▶▶▶▶	▶▶▶▶▶			17.6	15.8	14.1	-	12.0	10.7	9.7	9.2	USt															
	▶▶▶▶▶					13.2	12.5	11.2	9.8	9.4	USt																
	▶▶▶▶▶											8.8	USt														
98 ft	10	▶	77	82	89	96	98	102	ft																		
▶▶▶▶▶	▶▶▶▶▶			17.6	16.1	14.3	-	12.6	11.9	USt																	
	▶▶▶▶▶					13.2	12.8	12.1	USt																		
	▶▶▶▶▶											8.8	USt														





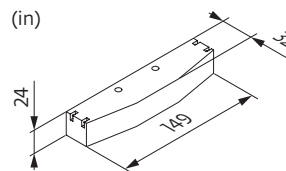
Base ballast

	6.6 ft				8.0 ft			
	V 60A		ZX 6830		Y 800B		ZX 6830	
	H (ft)	(USt)	H (ft)	(USt)	H (ft)	(USt)	H (ft)	(USt)
98 ft	172.6	145.5	176.5	155.4	231.0	185.2	166.7	155.4
115 ft	156.2	145.5	170.9	177.5	219.8	185.2	161.1	177.5
131 ft	145.3	145.5	160.1	177.5	209.0	198.4	150.3	177.5
148 ft	134.5	145.5	149.0	188.5	203.4	198.4	139.1	177.5
164 ft	123.4	145.5	138.1	188.5	192.6	198.4	128.3	177.5
180 ft	112.5	145.5	132.5	199.5	181.8	198.4	122.7	188.5
197 ft	107.0	145.5	127.3	199.5	176.2	198.4	122.7	199.5

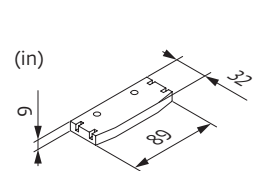
Jib weight & counter-jib ballast

	(lb) (+/- 5%)					(lb)
				8708 lb	2205 lb	
98 ft	13,228	12,699	12,192	5	0	43,541
115 ft	15,102	14,573	14,065	5	0	43,541
131 ft	16,843	16,314	15,807	5	0	43,541
148 ft	18,232	17,703	17,196	5	0	43,541
164 ft	19,544	19,015	18,508	5	1	45,746
180 ft	20,746	20,216	19,709	5	1	45,746
197 ft	-	-	20,988	5	1	45,746

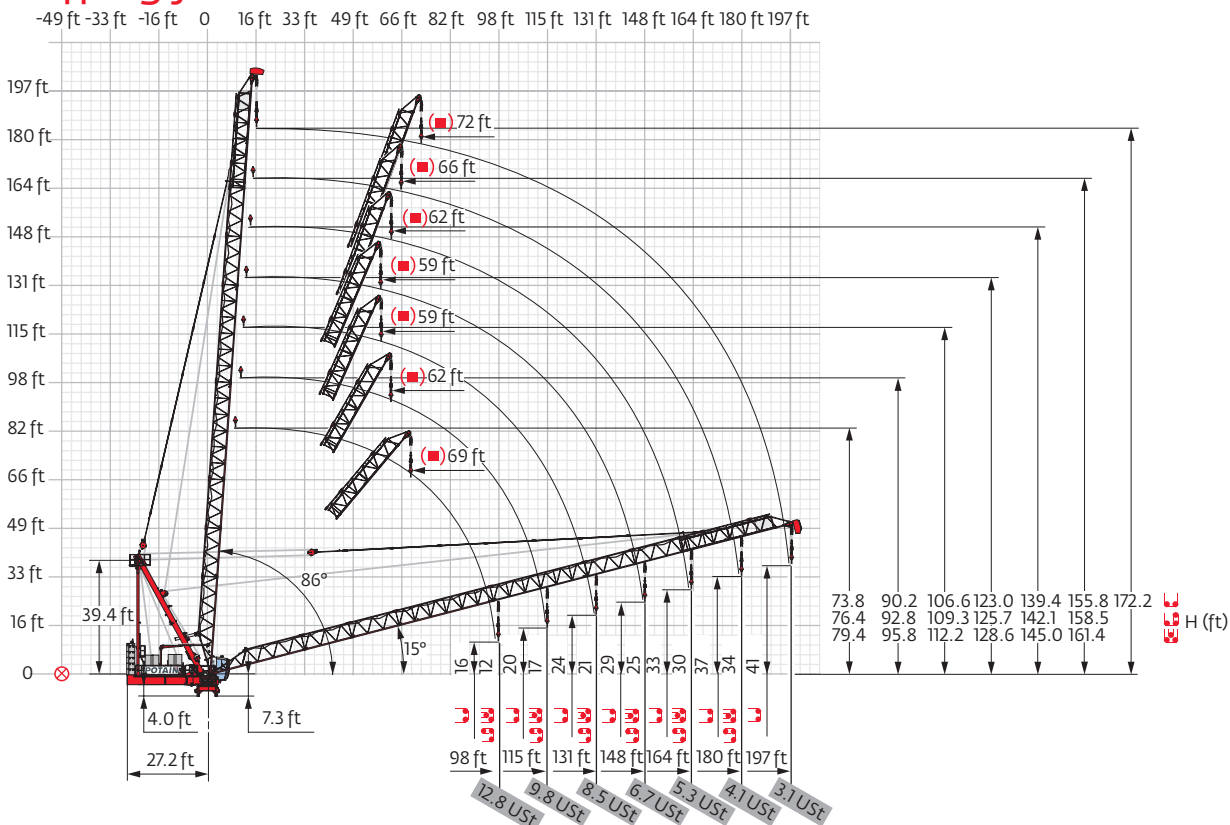
CBJ - 8708 lb



CBK - 2205 lb



Luffing jib





Component weights

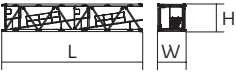
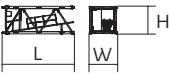
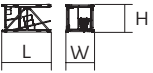
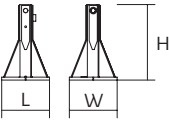
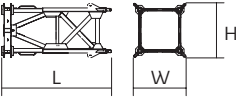
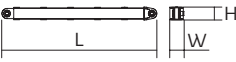
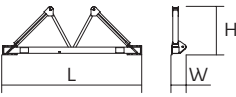
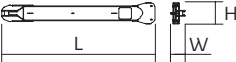
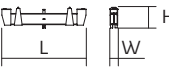
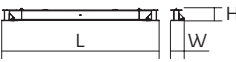
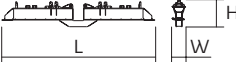
Crane upper:  197 ft -  75 LVF



			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib			24.4	16.9	15.4	15,432
Towerhead			24.9	10.8	42.7	15,465
Cab		Ultra View	15.6	6.1	8.3	4057
Pivot		7 6.6 ft	9.8	7.5	10.3	20,172
Jib section		①	33.7	6.2	6.5	3241
Jib section		③	33.4	5.9	5.5	2712
		④	33.4	5.9	5.4	2238
Jib section		②	17.0	5.9	5.5	1433
		⑤	17.0	5.9	5.4	1168
Jib section		⑥	38.7	6.0	6.5	2998
Hookblock			5.9 2.0	1.4 0.6	8.8 3.8	1087 897
Hoisting winch (+ rope)		75 LVF 100 LVF 150 LCC	8.1 10.1 11.9	5.3 5.2 5.4	4.6 6.2 6.2	7033 9932 13,922
Luffing winch (+ rope)		100 VVF	10.4	5.8	6.2	6614



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		∇ 6.6 ft	33.6	6.8	6.7	11,662
KR 649A K 639A KRMT 849A K 849A		∇ 6.6 ft ∇ 6.6 ft ∇ 8.0 ft ∇ 8.0 ft	17.2 17.2 17.2 17.2	6.9 6.8 8.4 8.3	6.8 6.7 8.3 8.2	7165 6184 9017 7496
K 639C KRMT 849C		∇ 6.6 ft ∇ 8.0 ft	11.7 11.7	6.8 8.4	6.7 8.3	4376 7066
K800/KR60 Connecting mast		∇ 8.0/6.6 ft	7.3	10.7	8.1	9304
Fixing angles		P 602A P 802A	2.1 2.5	2.1 2.5	4.2 4.2	650 1050
Basic mast unit		V 60A Y 800B	16.4 19.8	7.9 9.6	7.9 9.6	9678 19,004
Struts		V 60A Y 800B	14.8 18.1	1.0 1.6	1.0 1.5	926 2447
Half-bearer		V 60A	22.0	2.3	7.6	3527
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
Cross girder		ZX 6830	29.9	2.5	4.9	12,004
Cross girder		ZX 6830	29.9	3.7	3.6	11,607

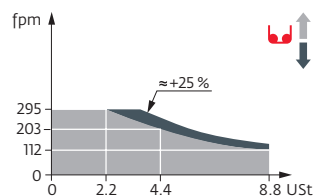


Mechanisms

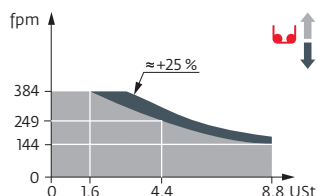
480 V - 60 Hz											hp	kW	
	75 LVF 40 Optima	fpm	112	144	203	295	56	72	102	148	75	55	2090 ft
		USt	8.8	6.6	4.4	2.2	17.6	13.2	8.8	4.4			
	100 LVF 40 Optima	fpm	144	184	249	384	72	92	125	192	100	75	3727 ft
		USt	8.8	6.6	4.4	1.6	17.6	13.2	8.8	3.2			
	150 LCC 40	fpm	230	276	348	459	551	115	138	174	150	110	3583 ft
		USt	8.8	6.6	4.4	2.2	1.1	17.6	13.2	8.8			
	100 VVF 40		1 min 40 s								100	75	
	RVF 182 Optima+	rpm	0 → 0.8								2 x 12	2 x 9	
	V 60A RT 544 A1 - 2V R ≥ 13 m	fpm	52 - 105								4 x 8.4	4 x 6.2	
	Y 800B RT 584 A1 - 2V	fpm	28 - 56								8 x 8.4	8 x 6.2	
	ZX 6830 RT 664 A2B - 2V	fpm	62 - 125								6 x 8.4	6 x 6.2	

	IEC 60204-32		kVA
480 V (+6% -10%) 60 Hz		75 LVF : 154 kVA 100 LVF : 174 kVA 150 LCC : 238 kVA	

75 LVF 40 Optima

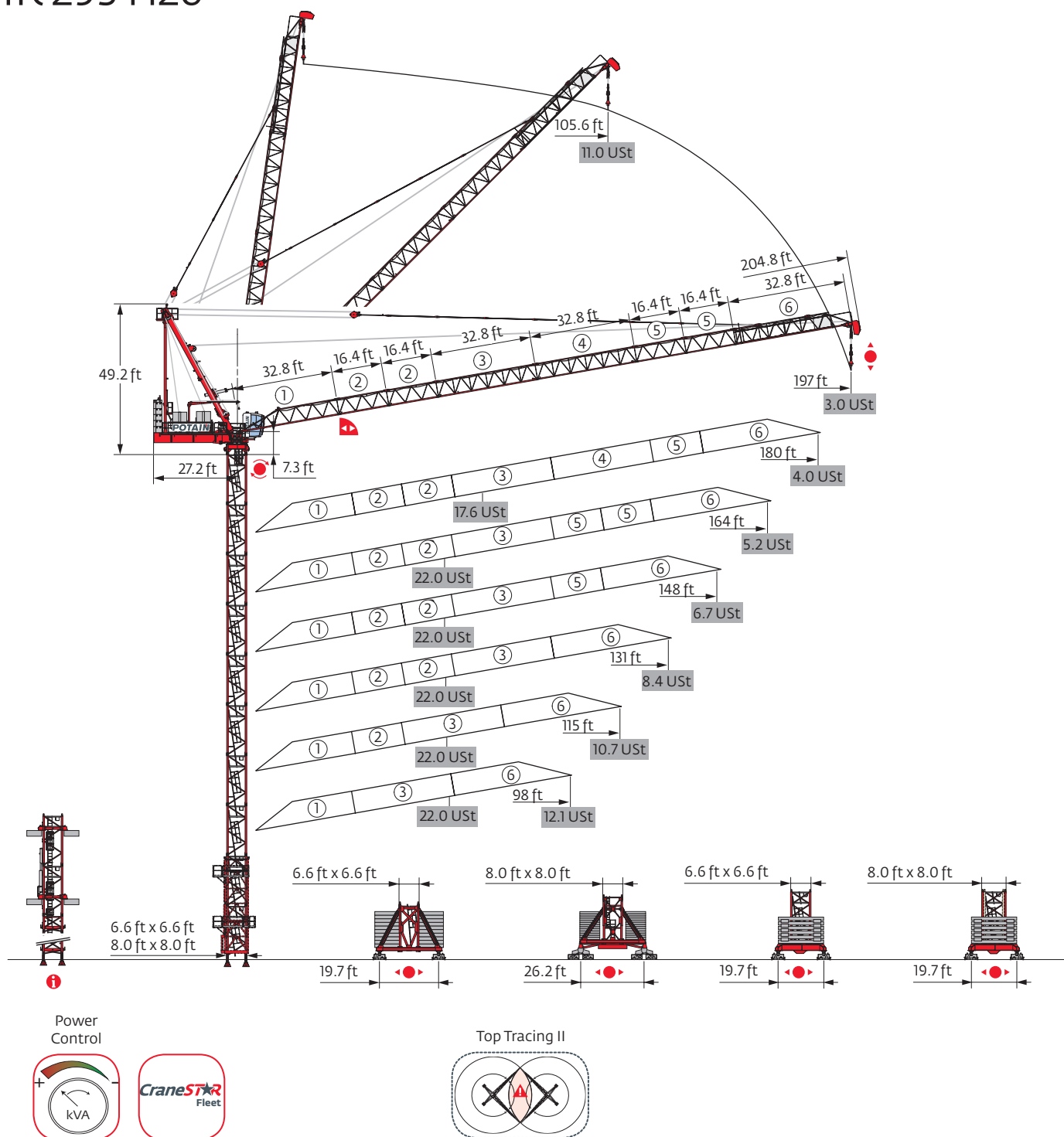


100 LVF 40 Optima





MR 295 H20



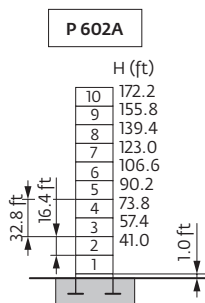
Values have been rounded



Mast

6.6 ft

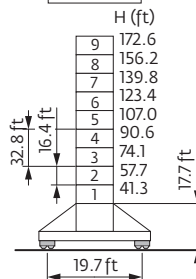
98 ft



	H (ft)	16.4 ft	10.9 ft
115 ft	172.2	10	-
131 ft	167.0	9	1
148 ft	161.4	8	2
164 ft	155.8	9	-
180 ft	145.0	7	2
197 ft	139.4	8	-

98 ft

V 60A



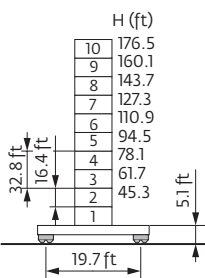
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164 ft	123.4	6	-
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197 ft	107.0	5	-

⊗

H (ft)

98 ft

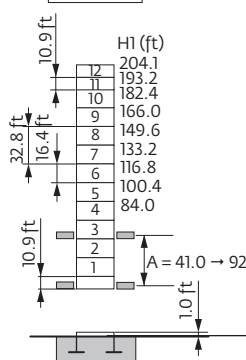
ZX 6830



	H (ft)	16.4 ft	10.9 ft
115 ft	170.9	9	1
131 ft	160.1	9	-
148 ft	149.0	7	2
164 ft	138.1	7	1
180 ft	132.5	6	2
197 ft	127.3	7	-

98 ft

B 60R



	H1 (ft)	A (ft)	16.4 ft	10.9 ft
115 ft	204.1	41.0 → 91.9	10	2
131 ft	198.8	41.0 → 88.6	11	-
148 ft	193.2	42.7 → 85.3	10	1
164 ft	187.7	44.3 → 83.7	9	2
180 ft	176.8	42.7 → 77.1	9	1
197 ft	171.3	42.7 → 75.5	8	2

⊗

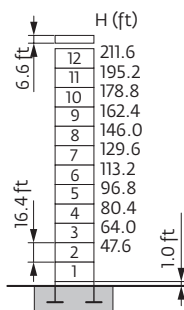
H1 (ft)

B 60A

8.0 ft

98 ft

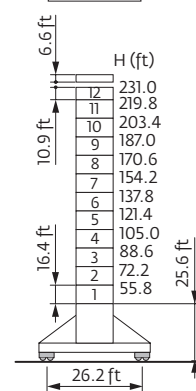
P 802A



	H (ft)	16.4 ft	10.9 ft
115 ft	200.8	10	2
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197 ft	162.4	9	-

98 ft

Y 800B



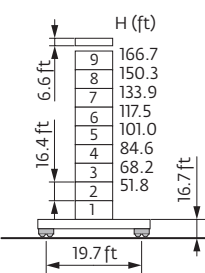
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180 ft	181.8	8	1
197 ft	176.2	7	2

⊗

H (ft)

98 ft

ZX 6830



	H (ft)	16.4 ft	10.9 ft
115 ft	161.1	8	1
131 ft	150.3	8	-
148 ft	139.1	6	2
164 ft	128.3	6	1
180 ft	122.7	5	2
197 ft	122.7	5	2

V 60A



H1 = H



H2 = H - 1.3 ft



H3 = H - 2.6 ft

Y 800B



H1 = H



H2 = H - 2.6 ft



H3 = H - 3.9 ft

ZX 6830



H1 = H

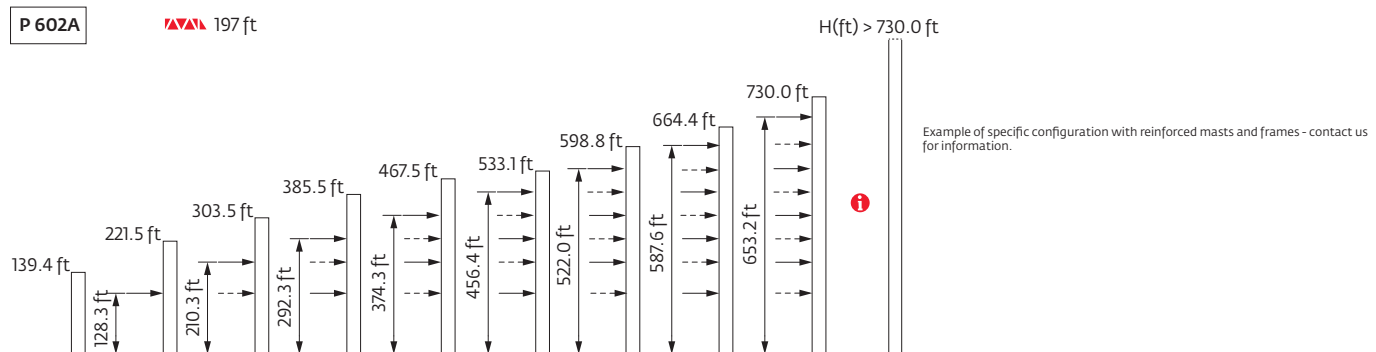
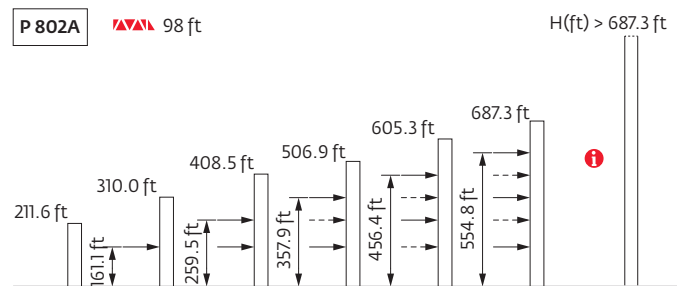
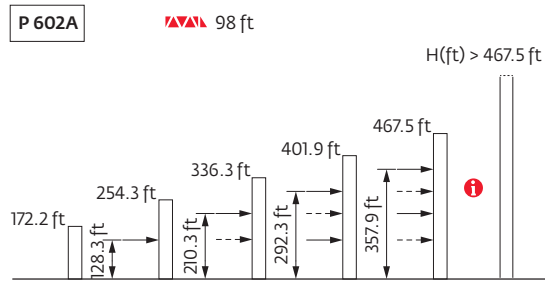
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H3 = H - 1.0 ft



Anchorage



Load charts

197 ft	16	▶	106	115	121	131	138	148	154	164	171	180	187	197	ft
			11.0	9.6	8.7	7.5	6.8	6.0	5.4	4.6	4.2	4.0	3.5	3.0	USt

180 ft	15	▶	73	82	89	90	98	105	106	115	121	131	138	148	154	164	171	180	181	ft
			17.6	14.7	13.0	-	10.9	9.7	-	8.8	7.9	6.8	6.2	5.5	5.3	4.5	4.0	3.3	3.3	USt
						13.2	11.4	10.1	-	8.7	7.8	6.7	6.1	5.3	5.0	4.2	3.7	3.1	3.1	USt
									11.0	9.7	8.8	7.6	6.9	6.1	5.5	5.0	4.6	4.0	4.0	USt

164 ft	14	▶	62	66	72	77	82	89	101	105	107	115	121	131	138	148	154	164	165	ft
			22.0	20.3	17.7	-	14.7	13.0	11.0	10.3	-	8.8	8.2	7.4	6.7	5.7	5.2	4.4	4.3	USt
						16.5	15.1	13.4	-	10.1	-	8.7	7.8	7.1	6.4	5.5	5.0	4.2	4.1	USt
									11.0	9.8	8.9	7.8	7.1	6.2	6.0	5.2	5.1			USt

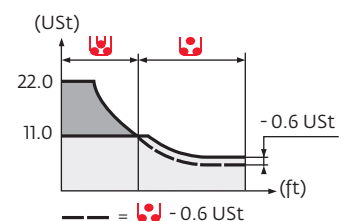
148 ft	13	▶	62	66	72	77	82	89	102	105	109	115	121	131	138	148	149	ft
			22.0	20.5	17.9	-	14.8	13.1	11.0	10.5	-	9.6	8.7	7.5	6.7	5.7	5.6	USt
						16.5	15.2	13.6	10.9	10.4	-	9.3	8.4	7.2	6.5	5.5	5.4	USt
									11.0	10.1	9.1	8.0	7.3	6.7	6.5			USt

131 ft	12	▶	63	66	72	78	82	89	98	103	110	115	121	131	134	ft
			22.0	20.7	18.1	-	15.0	13.3	11.2	11.0	-	9.7	8.8	7.5	7.3	USt
						16.5	15.4	13.8	11.7	-	-	9.4	8.5	7.3	7.0	USt
									11.0	10.3	9.4	8.4	8.0			USt

115 ft	11	▶	63	66	72	79	82	89	98	104	113	115	118	ft
			22.0	20.9	18.3	-	15.3	13.6	12.0	11.0	-	9.8	9.4	USt
						16.5	15.8	14.1	12.2	-	-	9.5	9.1	USt
									11.0	10.7	10.2			USt

98 ft	10	▶	64	66	72	79	82	89	98	102	ft
			22.0	21.2	18.5	-	15.5	14.3	12.1	11.4	USt
						16.5	15.7	14.2	12.1	11.4	USt
									11.0		USt

MR 295 H20



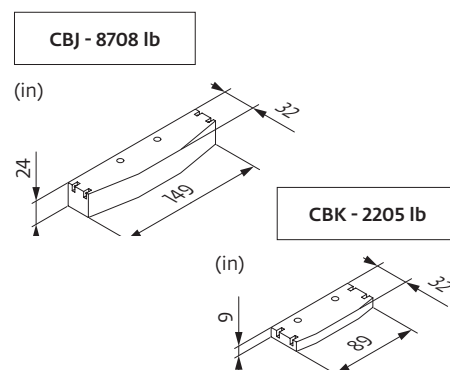


Base ballast

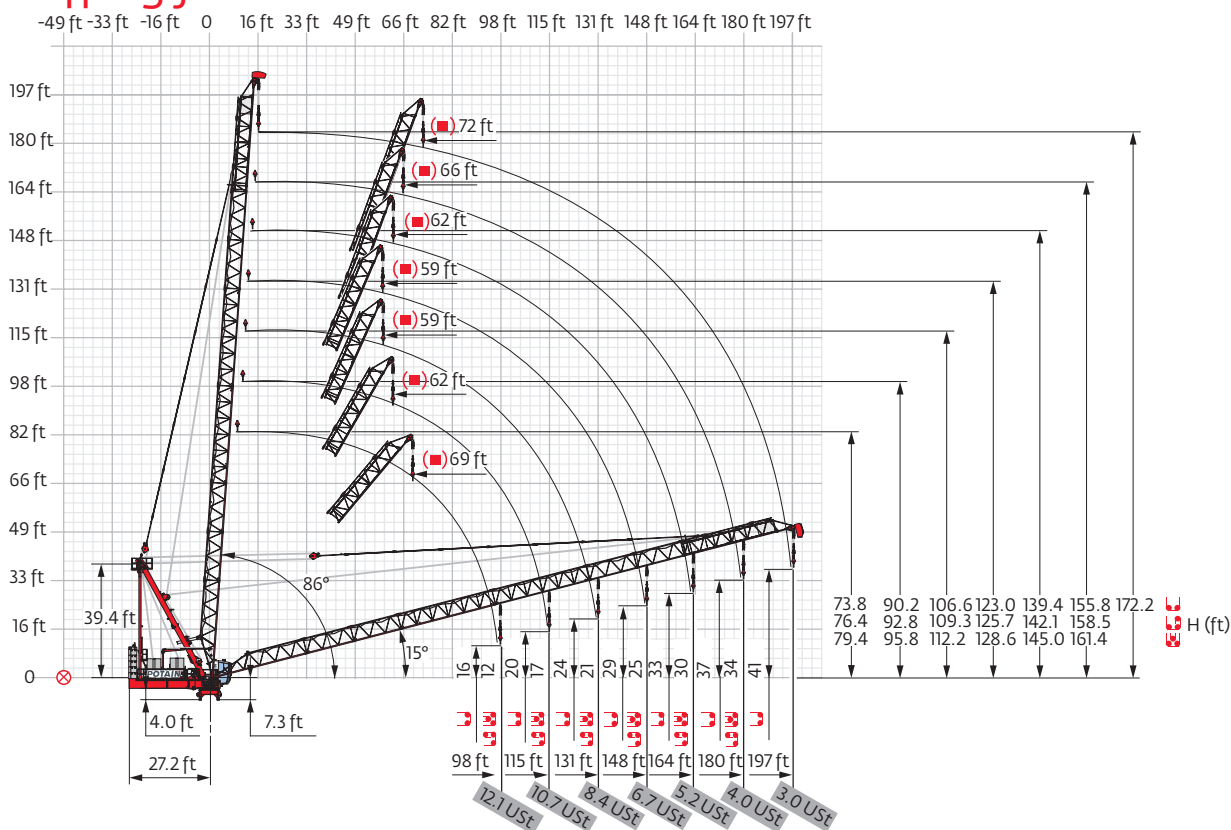
	6.6 ft				8.0 ft			
	V 60A		ZX 6830		Y 800B		ZX 6830	
	H (ft)	(USt)	H (ft)	(USt)	H (ft)	(USt)	H (ft)	(USt)
98 ft	172.6	145.5	176.5	155.4	231.0	185.2	166.7	155.4
115 ft	156.2	145.5	170.9	177.5	219.8	185.2	161.1	177.5
131 ft	145.3	145.5	160.1	177.5	209.0	198.4	150.3	177.5
148 ft	134.5	145.5	149.0	188.5	203.4	198.4	139.1	177.5
164 ft	123.4	145.5	138.1	188.5	192.6	198.4	128.3	177.5
180 ft	112.5	145.5	132.5	199.5	181.8	198.4	122.7	188.5
197 ft	107.0	145.5	127.3	199.5	176.2	198.4	122.7	199.5

Jib weight & counter-jib ballast

	Jib weight (lb) (+/- 5%)			100 LVF - 150 LCC			180 LVF GH		
	8708 lb	2205 lb	(lb)	8708 lb	2205 lb	(lb)	8708 lb	2205 lb	(lb)
98 ft	13,228	12,699	12,192	5	0	43,541	4	3	41,447
115 ft	15,102	14,573	14,065	5	0	43,541	4	3	41,447
131 ft	16,843	16,314	15,807	5	0	43,541	4	3	41,447
148 ft	18,232	17,703	17,196	5	0	43,541	4	3	41,447
164 ft	19,544	19,015	18,508	5	1	45,746	5	0	43,541
180 ft	20,746	20,216	19,709	5	1	45,746	5	0	43,541
197 ft	-	-	20,988	5	1	45,746	5	0	43,541



Luffing jib

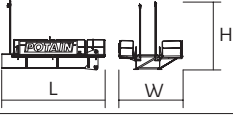
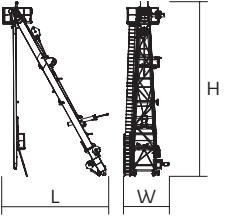
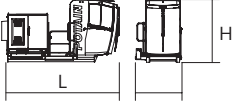
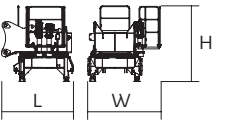
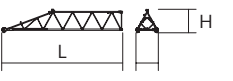
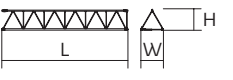
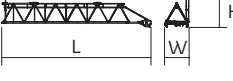
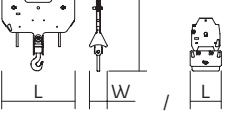
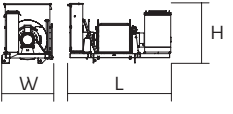
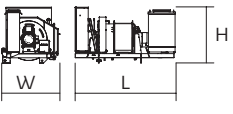




Component weights

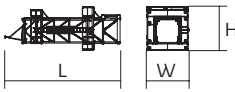
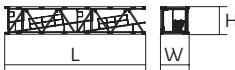
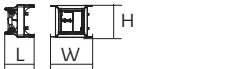
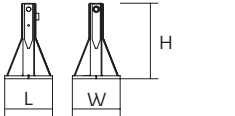
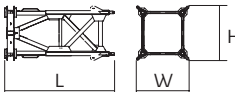
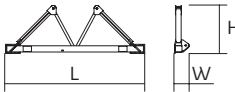
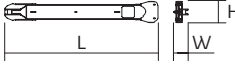
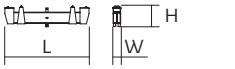
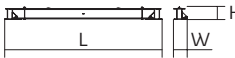
Crane upper:  197 ft -  100 LVF



			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib			24.4	16.9	15.4	15,432
Towerhead			24.9	10.8	42.7	15,465
Cab	 Ultra View		15.6	6.1	8.3	4057
Pivot	 6.6 ft		9.8	7.5	10.3	20,172
Jib section	 ①		33.7	6.2	6.5	3241
Jib section	 ③ ④		33.4 33.4	5.9 5.9	5.5 5.4	2712 2238
Jib section	 ② ⑤		17.0 17.0	5.9 5.9	5.5 5.4	1433 1168
Jib section	 ⑥		38.7	6.0	6.5	2998
Hookblock			5.9 2.0	1.4 0.6	8.8 3.8	1087 897
Hoisting winch (+ rope)	 100 LVF 180 LVF 150 LCC		10.4 14.0 12.3	5.2 6.6 5.4	6.2 7.7 6.2	9822 20,349 12,357
Luffing winch (+ rope)	 100 VVF		10.4	5.8	6.2	6614



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		6.6 ft	33.6	6.8	6.7	11,662
KR 649A K 639A KRMT 849A K 849A		6.6 ft 6.6 ft 8.0 ft 8.0 ft	17.2 17.2 17.2 17.2	6.9 6.8 8.4 8.3	6.8 6.7 8.3 8.2	7165 6184 9017 7496
K 639C KRMT 849C		6.6 ft 8.0 ft	11.7 11.7	6.8 8.4	6.7 8.3	4376 7066
K800/KR60 Connecting mast		8.0/6.6 ft	7.3	10.7	8.1	9304
Fixing angles		P 602A P 802A	2.1 2.5	2.1 2.5	4.2 4.2	650 1050
Basic mast unit		V 60A Y 800B	16.4 19.8	7.9 9.6	7.9 9.6	9678 19,004
Struts		V 60A Y 800B	14.8 18.1	1.0 1.6	1.0 1.5	926 2447
Half-bearer		V 60A	22.0	2.3	7.6	3527
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
Cross girder		ZX 6830	29.9	2.5	4.9	12,004
Cross girder		ZX 6830	29.9	3.7	3.6	11,607

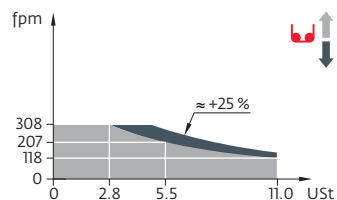


Mechanisms

480 V - 60 Hz											hp	kW	
	100 LVF 50 Optima	fpm	118	151	207	308	59	75	105	154	100	75	3340 ft
		USt	11.0	8.3	5.5	2.8	22.0	16.5	11.0	5.5			
	180 LVF 50 GH Optima	fpm	210	266	361	561	804	112	144	210	344	400	
		USt	11.0	8.3	5.5	2.8	0.9	22.0	16.5	11.0	5.5	3.5	3937 ft
	150 LCC 50	fpm	190	223	282	374	453	95	112	141	187	226	
		USt	11.0	8.3	5.5	2.8	1.4	22.0	16.5	11.0	5.5	2.8	2579 ft
	100 VVF 40		1 min 40 s								100	75	
	RVF 182 Optima+	rpm	0 → 0.8								2 x 12	2 x 9	
	V 60A RT 544 A1 - 2V R ≥ 13 m	fpm	52 - 105								4 x 8.4	4 x 6.2	
	Y 800B RT 584 A1 - 2V	fpm	28 - 56								8 x 8.4	8 x 6.2	
	ZX 6830 RT 664 A2B - 2V	fpm	62 - 125								6 x 8.4	6 x 6.2	

	IEC 60204-32	kVA
480 V (+6% -10%) 60 Hz		100 LVF : 174 kVA 150 LCC : 238 kVA 180 LVF GH : 238 → 166 kVA

100 LVF 50 Optima





Notes



Key

	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
	Consult us

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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