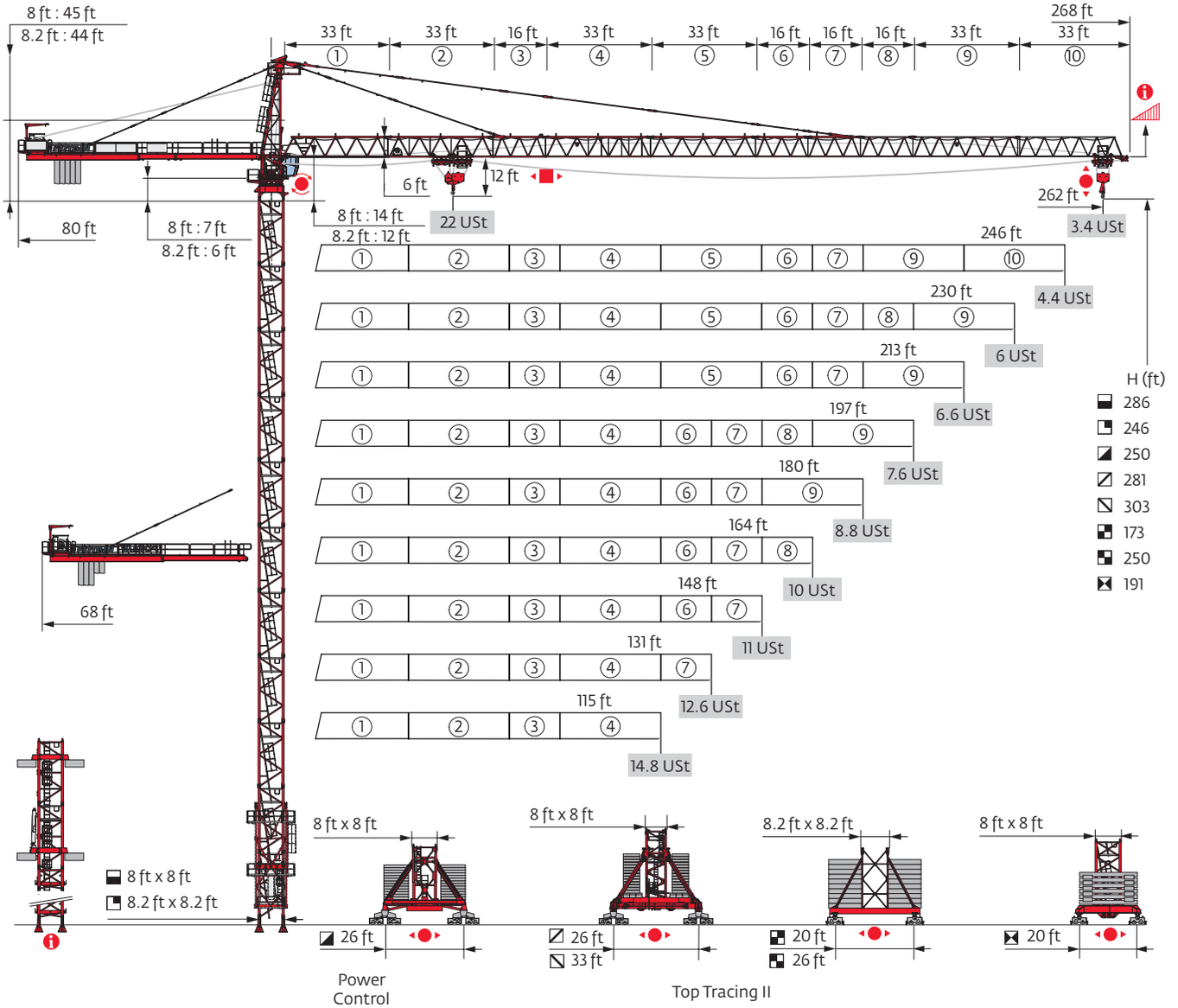
Potain MD 485 B

Data Sheet

FEM 1.001-A3

MD 485 B M20



Power Control

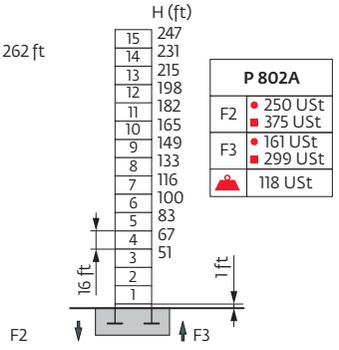
Top Tracing II

Values have been rounded

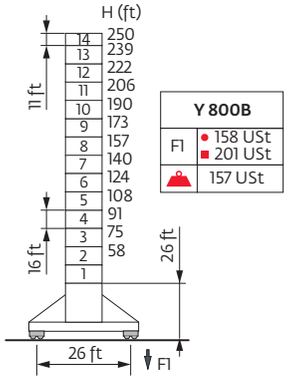
Mast-Reactions

8 ft

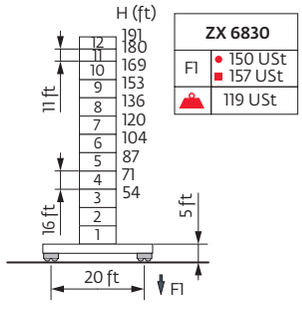
115 ft → 262 ft



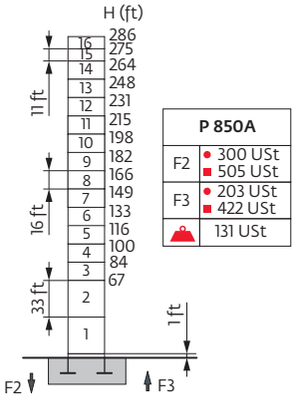
P 802A	
F2	● 250 USt ■ 375 USt
F3	● 161 USt ■ 299 USt
	118 USt



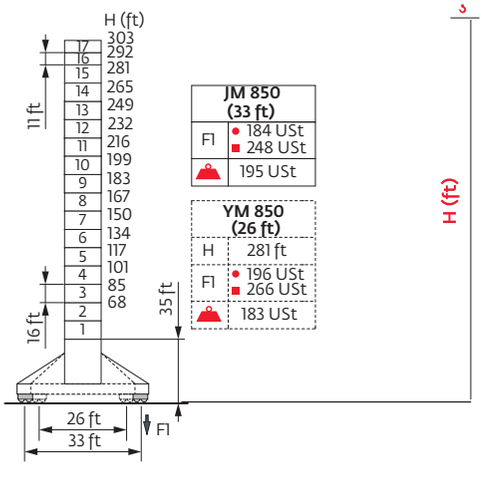
Y 800B	
F1	● 158 USt ■ 201 USt
	157 USt



ZX 6830	
F1	● 150 USt ■ 157 USt
	119 USt



P 850A	
F2	● 300 USt ■ 505 USt
F3	● 203 USt ■ 422 USt
	131 USt

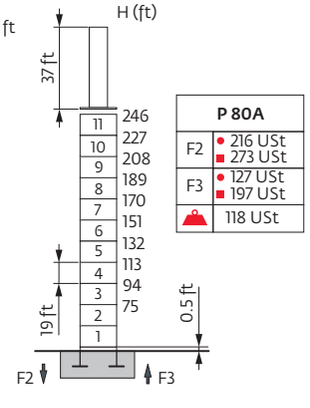


JM 850 (33 ft)	
F1	● 184 USt ■ 248 USt
	195 USt

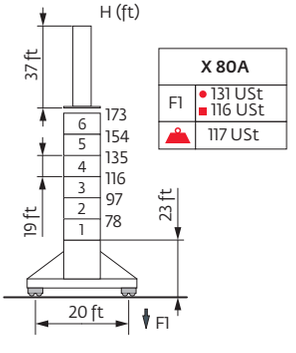
YM 850 (26 ft)	
H	281 ft
F1	● 196 USt ■ 266 USt
	183 USt

8.2 ft

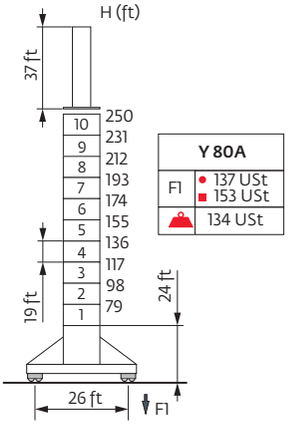
115 ft → 262 ft



P 80A	
F2	● 216 USt ■ 273 USt
F3	● 127 USt ■ 197 USt
	118 USt



X 80A	
F1	● 131 USt ■ 116 USt
	117 USt

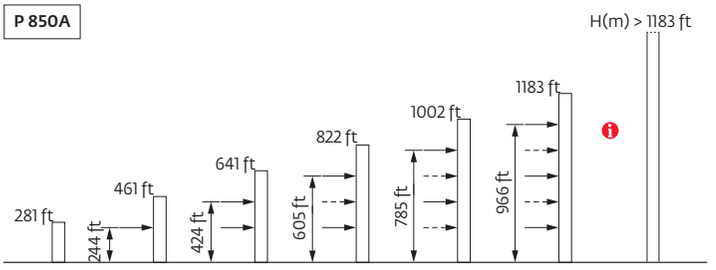


Y 80A	
F1	● 137 USt ■ 153 USt
	134 USt

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
X 80A - Y 80A	H1 = H	-	H3 = H - 3 ft
ZX 6830	H1 = H	-	H3 = H - 1 ft

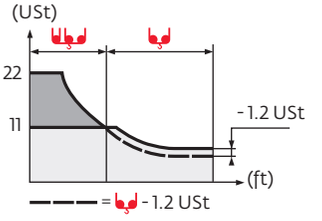
Anchorages

P 850A

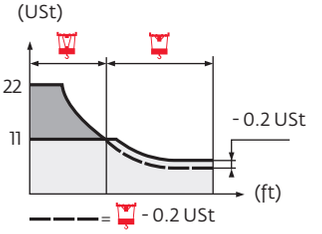


Load charts

262 ft	12	▶	57	66	72	82	89	98	99	108	115	121	131	148	164	180	197	213	230	246	262	ft
			22	18.5	16.4	14	12.7	11.1	11	11	10.3	9.6	8.7	7.5	6.6	5.8	5.2	4.6	4.2	3.7	3.4	USt
246 ft	12	▶	62	66	72	82	89	98	105	109	119	121	131	148	164	180	197	213	230	246	ft	
			22	20.6	18.4	15.8	14.3	12.6	11.6	11	11	10.8	9.8	8.5	7.5	6.6	6	5.4	4.9	4.4	USt	
230 ft	12	▶		72	72	82	89	98	105	115	121	127	139	148	164	180	197	213	230	ft		
				22	21.9	18.8	17.2	15.2	14	12.6	11.7	11	11	10.3	9	8.2	7.3	6.6	6	USt		
213 ft	12	▶			72	82	89	98	105	115	121	127	139	148	164	180	197	213	ft			
					22	19	17.3	15.2	14.1	12.6	11.7	11	11	10.4	9.1	8.2	7.3	6.6	USt			
197 ft	12	▶			74	82	89	98	105	115	121	132	144	148	164	180	197	ft				
					22	19.6	18	15.9	14.7	13.1	12.2	11	11	10.7	9.5	8.5	7.6	USt				
180 ft	12	▶			77	82	89	98	105	115	121	131	136	149	164	180	ft					
					22	20.5	18.7	16.5	15.2	13.7	12.8	11.6	11	11	9.9	8.8	USt					
164 ft	12	▶			78	82	89	98	105	115	121	131	138	151	164	ft						
					22	20.8	19	16.8	15.5	13.9	13.0	11.8	11.0	11	10	USt						
148 ft	12	▶			79	82	89	98	105	115	121	131	138	148	ft							
					22	21.1	19.2	17	15.7	14.1	13.1	11.9	11.2	10.3	USt							
														11	USt							
131 ft	12	▶			79	82	89	98	105	115	121	131	ft									
					22	21.2	19.4	17.1	15.8	14.2	13.2	12	USt									
115 ft	12	▶			80	82	89	98	105	115	ft											
					22	21.3	19.5	17.2	15.9	14.2	USt											



262 ft	8.2	▶	58	66	72	82	89	98	103	105	115	121	131	148	164	180	197	213	230	246	262	ft
			22	19.1	17.1	14.7	13.3	11.7	11	11	9.9	9.3	8.4	7.2	6.2	5.4	4.7	4.3	3.7	3.4	3	USt
246 ft	8.2	▶	64	72	82	89	98	105	114	116	121	131	148	164	180	197	213	230	246	ft		
			22	19	16.3	15	13.1	13.7	11	11	10.4	9.5	8.2	7.2	6.3	5.5	5	4.4	4.1	USt		
230 ft	8.2	▶		73	82	89	98	105	115	121	133	135	148	164	180	197	213	230	ft			
				22	19.5	17.9	15.8	14.7	13.1	12.3	11	11	9.9	8.7	7.7	6.9	6.2	5.6	USt			
213 ft	8.2	▶		74	82	89	98	105	115	121	133	135	148	164	180	197	213	ft				
				22	19.5	17.9	15.8	14.7	13.1	12.3	11	11	9.9	8.7	7.7	6.9	6.3	USt				
197 ft	8.2	▶		76	82	89	98	105	115	121	131	137	140	164	180	197	ft					
				22	20.3	18.5	16.4	15.2	13.7	12.8	11.7	11	11	9	8	7.3	USt					
180 ft	8.2	▶		79	82	89	98	105	115	121	131	142	145	164	180	ft						
				22	21.1	19.3	17.1	15.9	14.3	13.3	12.1	11	11	9.5	8.5	USt						
164 ft	8.2	▶		80	82	89	98	105	115	121	131	144	147	164	ft							
				22	21.4	19.6	17.4	16.1	14.6	13.6	12.3	11	11	9.7	USt							
148 ft	8.2	▶		81	82	89	98	105	115	121	131	145	ft									
				22	21.6	19.8	17.5	16.3	14.7	13.8	12.5	11	USt									
131 ft	8.2	▶		81	82	89	98	105	115	121	131	ft										
				22	21.8	20	17.6	16.4	14.8	13.8	12.6	USt										
115 ft	8.2	▶		82	82	89	98	105	115	ft												
				22	21.9	20.1	17.7	16.4	14.8	USt												



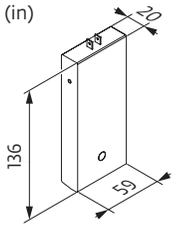
Base ballast

8 ft	Y 800B	H (ft)	250	239	222	206	190	173	157	140	124	108	91	75	58
		(USt)	145.5	132.3	92.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
	ZX 6830	H (ft)	191	180	169	153	136	120	104	87	71	54			
		(USt)	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4			
	YM 850	H (ft)	281	265	249	232	216	199	183	167	150	134	117	101	85	68
		(USt)	224.9	185.2	145.5	119.0	79.4	66.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	JM 850	H (ft)	303	292	281	265	249	232	216	199	183	167	150	134	117	101	85	68
		(USt)	198.4	158.7	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
8.2 ft	X 80A	H (ft)	173	154	135	116	97	78										
		(USt)	119	119	119	119	119	119										
	Y 80A	H (ft)	250	231	212	193	174	155	136	117	98	79						
		(USt)	105.8	92.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1						

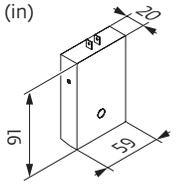
Counter-jib ballast

	100 LVF - 150 LCC			150/180 LVF GH		
	13,228 lb	8818 lb	(lb)	13,228 lb	8818 lb	(lb)
262 ft	5	0	66,139	3	2	57,320
246 ft	4	1	61,729	3	1	48,502
230 ft	4	1	61,729	3	1	48,502
213 ft	3	2	57,320	2	2	44,092
197 ft	3	1	48,502	2	1	35,274
180 ft	2	2	44,092	1	2	30,865
164 ft	3	2	57,320	2	2	44,092
148 ft	3	1	48,502	2	1	35,274
131 ft	2	2	44,092	1	2	30,865
115 ft	2	1	35,274	1	1	22,046

CBC - 13,228 lb



CBD - 8818 lb

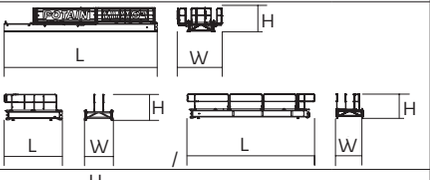
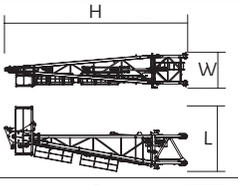
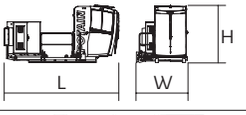
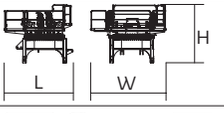
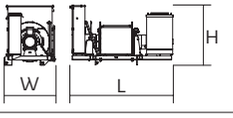
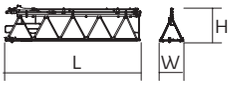
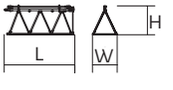
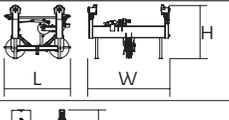
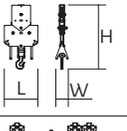
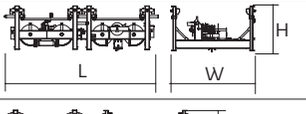
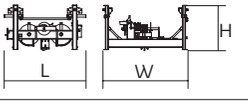
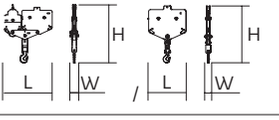


Component weights

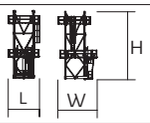
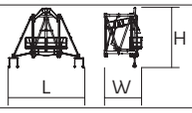
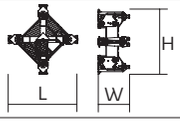
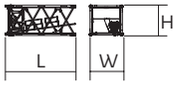
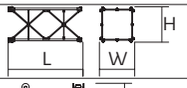
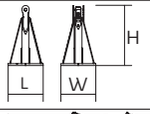
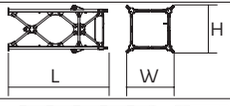
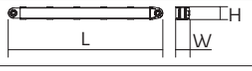
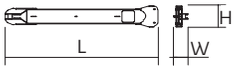
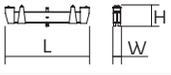
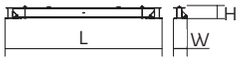
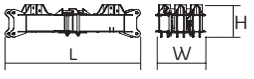
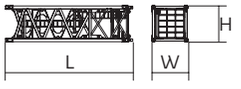
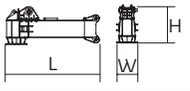
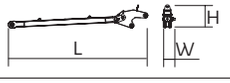
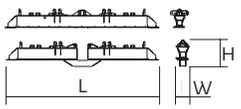
Crane upper : 262 ft - - 100 LVF

x 13

x 9

			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib			35.4 12.1 26.9	10.2 6.2 6.2	5.6 5.6 5.6	8300 2172 4575
Towerhead			13.8	7.3	38.7	16,546
Cab		Ultra View	16.5	7.3	8.2	3704
Pivot		8 ft 8.2 ft	12.5 12.5	14 14	9.7 8.7	20,349 18,805
Hoisting winch (+ rope)		100 LVF 150/180 LVF GH 150 LCC	10.4 14 12.3	5.2 6.6 5.4	6.2 7.7 6.2	9822 20,349 12,357
Jib section		① ②10 DVF ④ ⑤ ⑨ ⑩	33.5 34 33.9 34.3 33.3 33.2	6.6 6.2 6.2 6.2 6.2 6.2	7.8 7.4 7.3 7.3 6.5 6.4	7081 8278 4641 4023 2800 1973
Jib section		③ ⑥ ⑦ ⑧	17.6 17.6 17.5 17.1	6.2 6.2 6.2 6.2	7.4 7.3 7.4 6.6	3186 2238 2535 1676
Trolley		22 USt	5.9	7.3	5.3	1455
Hook block		22 USt	3.9	1.4	7.4	1940
Trolley		22 USt	13.5	7.2	3.8	2635
Trolley		11 USt	7	7.2	3.8	1422
Hook block		22 USt 11 USzt	6 3.8	1.1 0.7	7.3 5.8	1951 981

Component weights

			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Climbing cage		⍁ 8 ft	15.2	19	33.6	28,484
Climbing cage		⍁ 8.2 ft	24.3	12	19.1	13,669
Slider		⍁ 8.2 ft	36.4	6.9	6.9	15,653
Slider base		⍁ 8.2 ft	7.7	5.2	7.7	13,140
K 850/KR 849B KRMT 849A K 849A K 850/KR 849A KMT 850.10A KRMT 849C		⍁ 8 ft	33.6 17.2 17.2 17.2 17.5 11.7	8.3 8.4 8.3 8.3 8.3 8.4	8.2 8.3 8.2 8.2 8.2 8.3	20,878 9017 7496 12,291 12,015 7,066
R 87 R 86 R 85		⍁ 8.2 ft	21 21 21	9.5 9.5 9.5	9.5 9.5 9.5	9392 8422 8157
Fixing angles		P 802A P 850A P 80A	2.5 3 2.6	2.5 3 2.6	4.2 4.9 4	1050 1841 4343
Chassis mast		Y 800B X 80A Y 80A	19.8 19.7 19.7	9.6 9.8 9.8	9.6 9.8 9.8	19,004 12,346 16,314
Struts		Y 800B X 80A Y 80A	18.1 15.3 18	1.6 1.2 1.4	1.5 1 1.2	2447 992 1764
1/2 Side member		Y 800B X 80A Y 80A	18.6 14 18.4	4.1 3 3.8	2.4 1.8 2	3351 992 2205
Side member		Y 800B X 80A Y 80A	39.4 29.6 38.9	4.1 3.1 3.8	2.4 1.8 2	6724 2094 4630
Ballast support		Y 800B X 80A Y 80A	12.3 11.1 15.3	1.2 1 1	3 2.1 2.1	2392 397 595
Chassis beam		Y 800B X 80A Y 80A	28.5 21.5 28.2	2.7 2 2.3	2.4 2.6 3.8	4938 3086 4409
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 3	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

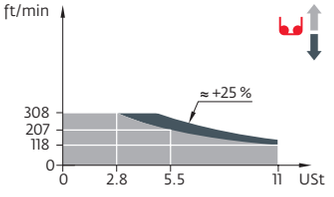
400 V - 50 Hz											hp	kW	
	100 LVF 50 Optima	ft/min	118	151	207	308	59	75	105	154	100	75	3340 ft
		USt	11	8.3	5.5	2.8	22	16.5	11	5.5			
	150 LVF 50 GH Optima	ft/min	177	223	302	466	804	92	121	174	289	400	150	110	3937 ft
		USt	11	8.3	5.5	2.8	0.4	22	16.5	11	5.5	2.3			
	150 LCC 50	ft/min	190	223	282	374	453	95	112	141	187	226	150	110	2579 ft
		USt	11	8.3	5.5	2.8	1.4	22	16.5	11	5.5	2.8			
	10 DVF 10	ft/min	0 → 262 (22 USt) 0 → 328 (13.2 USt) 0 → 361 (6.6 USt)								10	7.4	
	RVF 183 Optima+	rpm	0 → 0.8								3 x 12	3 x 9	
Y 800B	RT 584 A1 - 2V	ft/min	23 - 46								8 x 7	8 x 5.2	
YM 850 JM 850													
ZX 6830 X 80A Y 80A	RT 664 A2B - 2V	ft/min	52 - 105								6 x 7	6 x 5.2	

IEC 60204-32	kVA
400 V (+10% -10%) 50 Hz	100 LVF : 106 kVA 150 LCC : 146 kVA 150 LVF GH : 146 → 86 kVA

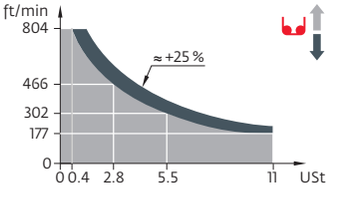
480 V - 60 Hz											hp	kW	
	100 LVF 50 Optima	ft/min	118	151	207	308	59	75	105	154	100	75	3340 ft
		USt	11	8.3	5.5	2.8	22	16.5	11	5.5			
	180 LVF 50 GH Optima	ft/min	210	266	361	561	804	112	144	210	344	400	180	132	3937 ft
		USt	11	8.3	5.5	2.8	0.9	22	16.5	11	5.5	3.5			
	150 LCC 50	ft/min	190	223	282	374	453	95	112	141	187	226	150	110	2579 ft
		USt	11	8.3	5.5	2.8	1.4	22	16.5	11	5.5	2.8			
	10 DVF 10	ft/min	0 → 262 (22 USt) 0 → 328 (13.2 USt) 0 → 361 (6.6 USt)								10	7.4	
	RVF 183 Optima+	rpm	0 → 0.8								3 x 12	3 x 9	
Y 800B	RT 584 A1 - 2V	ft/min	28 - 56								8 x 8.4	8 x 6.2	
YM 850 JM 850													
ZX 6830 X 80A Y 80A	RT 664 A2B - 2V	ft/min	62 - 125								6 x 8.4	6 x 6.2	

IEC 60204-32	kVA
480 V (+6% -10%) 60 Hz	100 LVF : 106 kVA 150 LCC : 170 kVA 180 LVF GH : 170 → 98 kVA

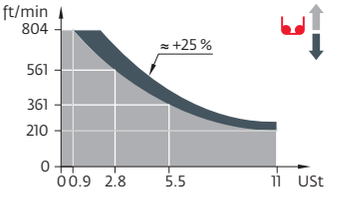
100 LVF 50 Optima



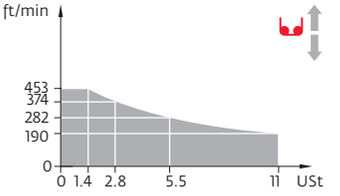
150 LVF 50 GH Optima



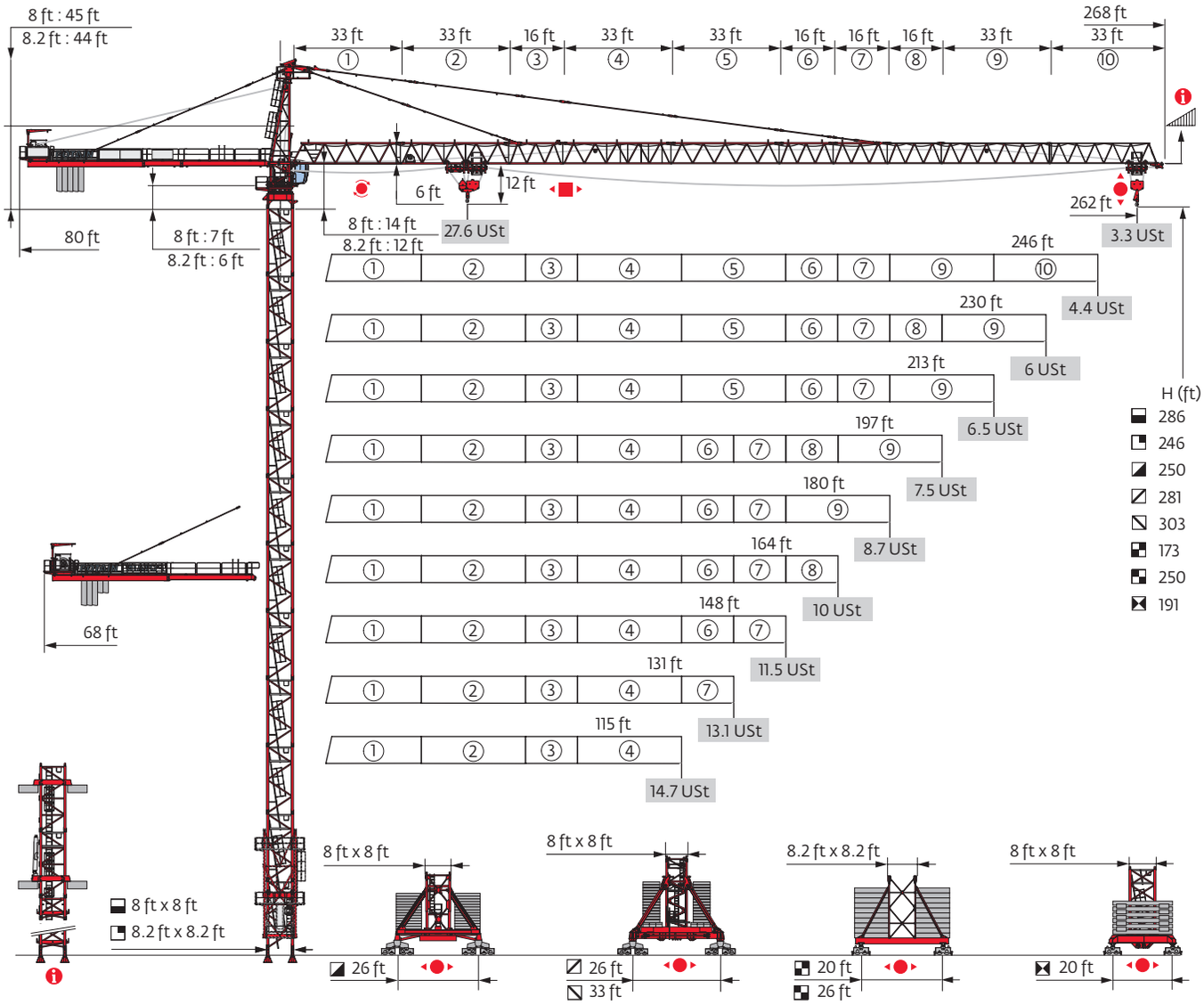
180 LVF 50 GH Optima



150 LCC 50



MD 485 B M25



Power Control

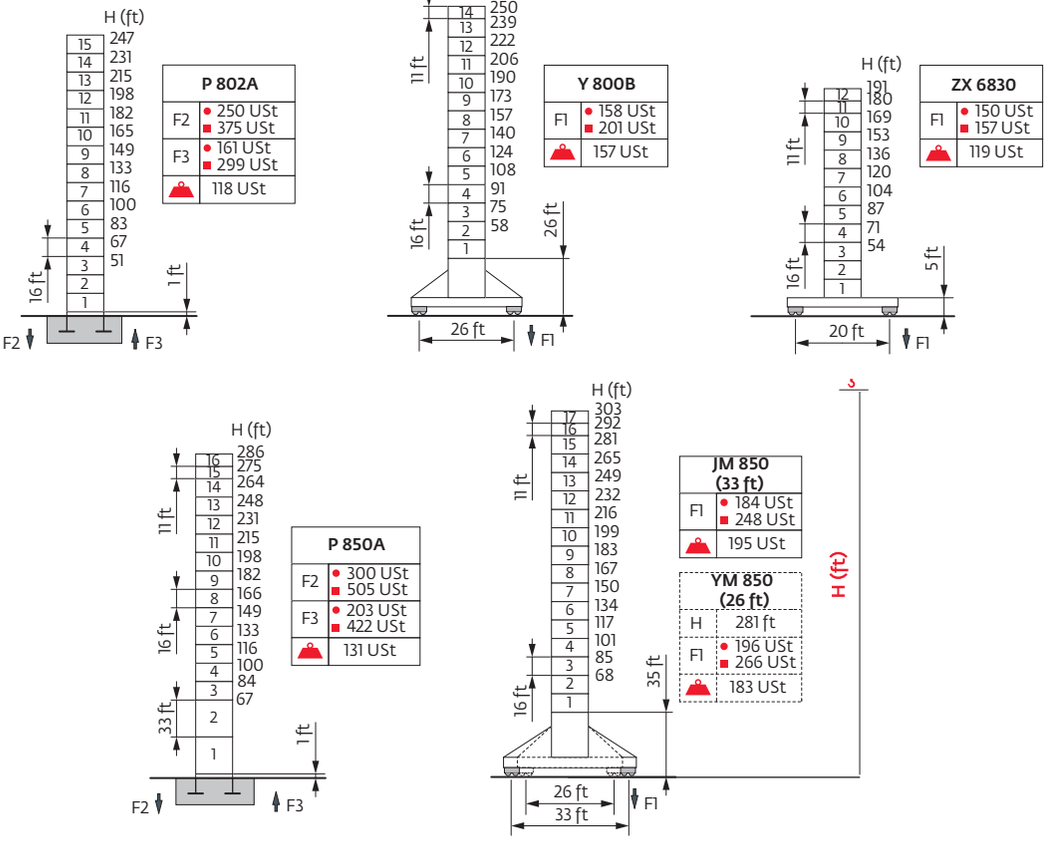
Top Tracing II

Values have been rounded

Mast-Reactions

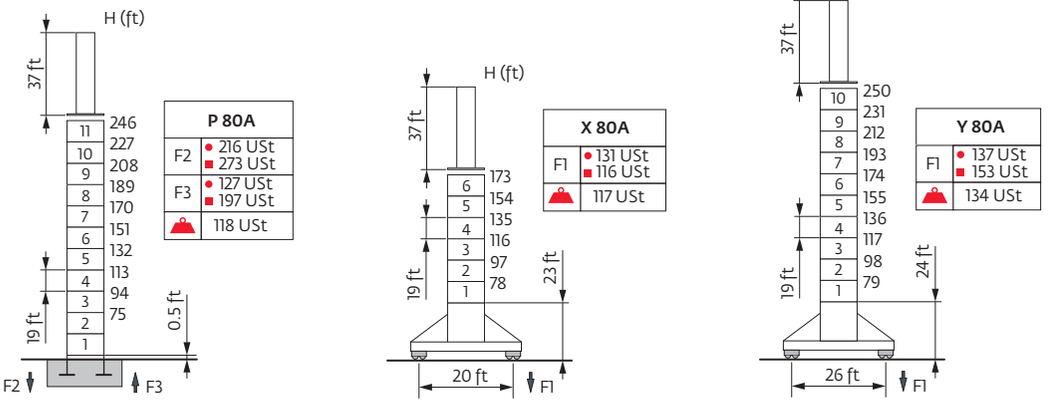
8 ft

115 ft → 262 ft



8.2 ft

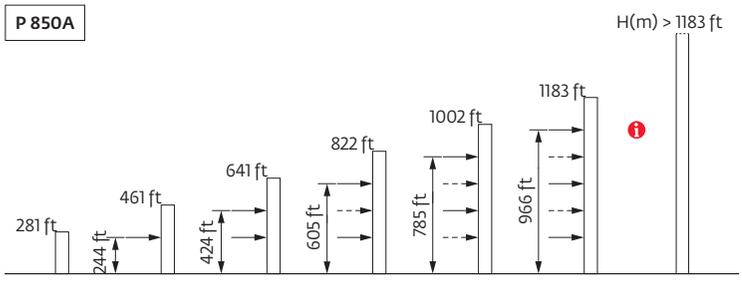
115 ft → 262 ft



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
X 80A - Y 80A	H1 = H	-	H3 = H - 3 ft
ZX 6830	H1 = H	-	H3 = H - 1 ft

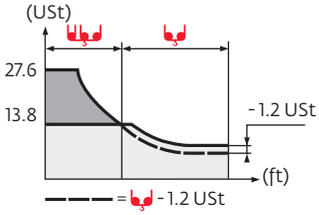
Anchorages

P 850A

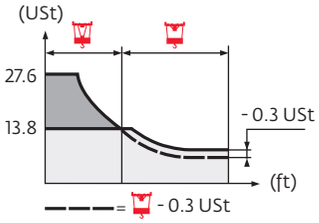


Load chart

262 ft	12	▶	47	49	56	66	72	82	83	89	98	105	115	131	148	164	180	197	213	230	246	262	ft
			27.6	26	22.4	18.4	16.3	13.9	13.8	13.8	12.2	11.4	10.3	8.7	7.5	6.5	5.7	5.1	4.6	4.1	3.7	3.3	USt
246 ft	12	▶		51	56	66	72	82	89	91	98	105	115	131	148	164	180	197	213	230	246		ft
				27.6	24.9	20.5	18.3	15.7	14.2	13.8	13.8	12.8	11.5	9.8	8.5	7.5	6.6	5.8	5.3	4.7	4.4		USt
230 ft	12	▶			59	66	72	82	89	98	106	114	115	131	148	164	180	197	213	230			ft
					27.6	24.5	21.8	18.8	17.2	15.1	13.8	13.8	13.7	11.8	10.3	9	8	7.3	6.5	6			USt
213 ft	12	▶			59	66	72	82	89	98	106	115	115	131	148	164	180	197	213				ft
					27.6	24.5	21.9	18.8	17.2	15.1	13.8	13.8	13.8	11.8	10.3	9	8	7.3	6.5				USt
197 ft	12	▶			61	66	72	82	89	98	105	110	118	131	148	164	180	197					ft
					27.6	25.5	22.8	19.6	17.9	15.8	14.6	13.8	13.8	12.2	10.7	9.4	8.4	7.5					USt
180 ft	12	▶			63	66	72	82	89	98	105	114	123	131	148	164	180	ft					
					27.6	26.5	23.7	20.4	18.6	16.4	15.2	13.8	13.8	12.8	11.1	9.8	8.7	USt					
164 ft	12	▶			64	66	72	82	89	98	105	115	124	131	148	164	ft						
					27.6	26.9	24	20.7	19	16.6	15.4	13.8	13.8	12.9	11.2	10	USt						
148 ft	12	▶			65	66	72	82	89	98	105	116	125	131	148	ft							
					27.6	27.1	24.4	20.9	19.1	16.9	15.5	13.8	13.8	13.1	11.5	USt							
131 ft	2	▶			65	66	72	82	89	98	105	117	126	131	ft								
					27.6	27.3	24.5	21.1	19.3	17	15.8	13.8	13.8	13.1	USt								
115 ft	12	▶				66	72	82	89	98	105	115	ft										
						27.6	24.7	21.3	19.4	17.1	15.8	14.1	USt										



262 ft	8.2	▶	48	49	56	66	72	82	85	87	98	105	115	131	148	164	180	197	213	230	246	262	ft
			27.6	26.5	22.9	19	16.9	14.4	13.8	13.8	11.8	10.9	9.8	8.3	7.1	6.1	5.3	4.6	4.2	3.6	3.3	2.9	USt
246 ft	8.2	▶		52	56	66	72	82	89	94	95	105	115	131	148	164	180	197	213	230	246		ft
				27.6	25.5	21.1	18.8	16.2	14.8	13.8	13.8	12.3	11	9.4	8.0	7.1	6.2	5.4	4.9	4.3	4		USt
230 ft	8.2	▶			60	66	72	82	89	98	109	111	115	131	148	164	180	197	213	230			ft
					27.6	25	22.4	19.3	17.6	15.7	13.8	13.8	13.2	11.4	9.8	8.6	7.6	6.8	6.1	5.5			USt
213 ft	8.2	▶			60	66	72	82	89	98	110	112	115	131	148	164	180	197	213				ft
					27.6	25	22.5	19.4	17.7	15.7	13.8	13.8	13.3	11.4	9.8	8.6	7.6	6.8	6.2				USt
197 ft	8.2	▶			62	66	72	82	89	98	105	113	115	131	148	164	180	197					ft
					27.6	26	23.3	20.2	18.4	16.3	15.1	13.8	13.8	11.8	10.3	8.9	7.9	7.2					USt
180 ft	8.2	▶			65	66	72	82	89	98	105	117	119	131	148	164	180	ft					
					27.6	27	24.3	20.9	19.2	17	15.8	13.8	13.8	12.3	10.7	9.4	8.4	USt					
164 ft	8.2	▶				65	72	82	89	98	105	119	121	131	148	164	ft						
						27.6	24.6	21.3	19.5	17.2	16	13.8	13.8	12.5	10.8	9.6	USt						
148 ft	8.2	▶				66	72	82	89	98	105	120	122	131	148	ft							
						27.6	24.9	21.5	19.6	17.4	16.1	13.8	13.8	12.7	11	USt							
131 ft	8.2	▶				66	72	82	89	98	105	121	123	131	ft								
						27.6	25	21.6	19.8	17.5	16.2	13.8	13.8	12.7	USt								
115 ft	8.2	▶				67	72	82	89	98	105	115	ft										
						27.6	25.2	21.8	20	17.6	16.3	14.7	USt										



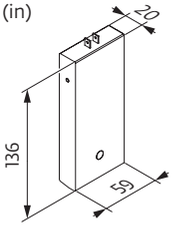
Base ballast

8 ft	Y 800B	H (ft)	250	239	222	206	190	173	157	140	124	108	91	75	58
		(USt)	145.5	132.3	92.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
	ZX 6830	H (ft)	191	180	169	153	136	120	104	87	71	54			
		(USt)	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4			
	YM 850	H (ft)	281	265	249	232	216	199	183	167	150	134	117	101	85	68
		(USt)	224.9	185.2	145.5	119.0	79.4	66.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	JM 850	H (ft)	303	292	281	265	249	232	216	199	183	167	150	134	117	101	85	68
		(USt)	198.4	158.7	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
8.2 ft	X 80A	H (ft)	173	154	135	116	97	78							
		(USt)	119	119	119	119	119	119							
	Y 80A	H (ft)	250	231	212	193	174	155	136	117	98	79			
		(USt)	105.8	92.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1			

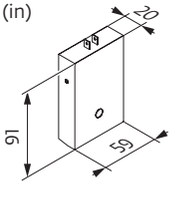
Counter-jib ballast

	100 LVF - 150 LCC			150/180 LVF GH		
	13,228 lb	8818 lb	(lb)	13,228 lb	8818 lb	(lb)
262 ft	5	0	66,139	3	2	57,320
246 ft	4	1	61,729	3	1	48,502
230 ft	4	1	61,729	3	1	48,502
213 ft	3	2	57,320	2	2	44,092
197 ft	3	1	48,502	2	1	35,274
180 ft	2	2	44,092	1	2	30,865
164 ft	3	2	57,320	2	2	44,092
148 ft	3	1	48,502	2	1	35,274
131 ft	2	2	44,092	1	2	30,865
115 ft	2	1	35,274	1	1	22,046

CBC - 13,228 lb



CBD - 8818 lb

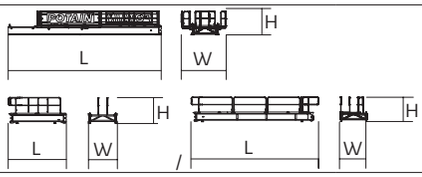
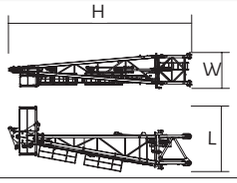
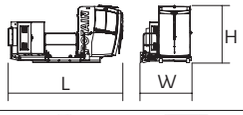
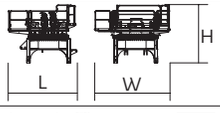
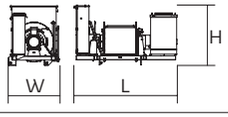
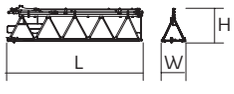
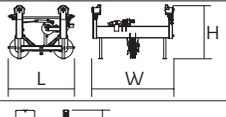
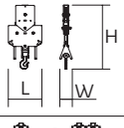
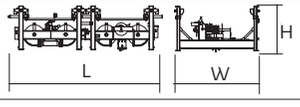
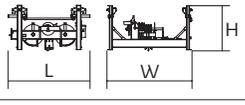
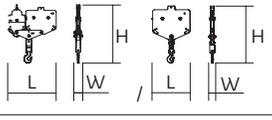


Component weights

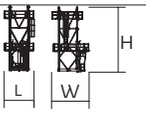
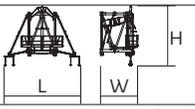
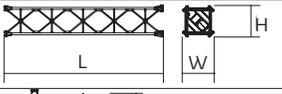
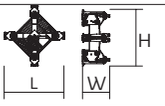
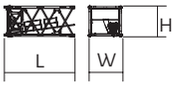
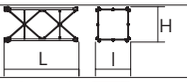
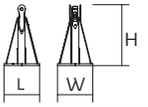
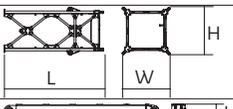
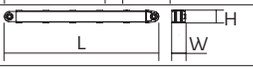
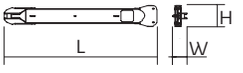
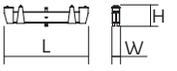
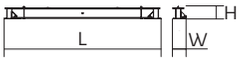
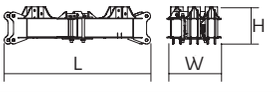
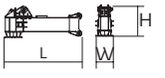
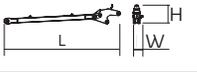
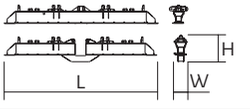
Crane upper : 262 ft - 100 LVF

x 13

x 9

			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib			35.4 12.1 26.9	10.2 6.2 6.2	5.6 5.6 5.6	8300 2172 4575
Towerhead			13.8	7.3	38.7	16,546
Cab		Ultra View	16.5	7.3	8.2	3704
Pivot		8 ft 8.2 ft	12.5 12.5	14 14	9.7 8.7	20,349 18,805
Hoisting winch (+ rope)		100 LVF 150/180 LVF GH 150 LCC	10.4 14 11.9	5.2 6.3 5.4	5.7 6.2 6.2	9138 20,338 11,012
Jib section		① ②10 DVF ④ ⑤ ⑨ ⑩	33.5 34 33.9 34.3 33.3 33.2	6.6 6.2 6.2 6.2 6.2 6.2	7.8 7.4 7.3 7.3 6.5 6.4	7081 8278 4641 4023 2800 1973
Jib section		③ ⑥ ⑦ ⑧	17.6 17.6 17.5 17.1	6.2 6.2 6.2 6.2	7.4 7.3 7.4 6.6	3186 2238 2535 1676
Trolley		27.6 USt	5.9	7.3	4.7	1587
Hook block		27.6 USt	3.9	1.4	7.4	1975
Trolley		27.6 USt	13.5	7.2	3.8	2635
Trolley		13.8 USt	7	7.2	3.8	1422
Hook block		27.6 USt 13.8 USt	6 3.9	1.1 0.7	7.7 6.4	1995 992

Component weights

			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Climbing cage		☑ 8 ft	15.2	19	33.6	28,484
Climbing cage		☑ 8.2 ft	24.3	12	19.1	13,669
Slider		☑ 8.2 ft	36.4	6.9	6.9	15,653
Slider base		☑ 8.2 ft	7.7	5.2	7.7	13,140
K 850/KR 849B KRMT 849A K 849A K 850/KR 849A KMT 850.10A KRMT 849C		☑ 8 ft	33.6 17.2 17.2 17.2 17.5 11.7	8.3 8.4 8.3 8.3 8.3 8.4	8.2 8.3 8.2 8.2 8.2 8.3	20,878 9017 7496 12,291 12,015 7,066
R 87 R 86 R 85		☑ 8.2 ft	21 21 21	9.5 9.5 9.5	9.5 9.5 9.5	9392 8422 8157
Fixing angles		P 802A P 850A P 80A	2.5 3 2.6	2.5 3 2.6	4.2 4.9 4	1050 1841 4343
Chassis mast		Y 800B X 80A Y 80A	19.8 19.7 19.7	9.6 9.8 9.8	9.6 9.8 9.8	19,004 12,346 16,314
Struts		Y 800B X 80A Y 80A	18.1 15.3 18	1.6 1.2 1.4	1.5 1 1.2	2447 992 1764
1/2 Side member		Y 800B X 80A Y 80A	18.6 14 18.4	4.1 3 3.8	2.4 1.8 2	3351 992 2205
Side member		Y 800B X 80A Y 80A	39.4 29.6 38.9	4.1 3.1 3.8	2.4 1.8 2	6724 2094 4630
Ballast support		Y 800B X 80A Y 80A	12.3 11.1 15.3	1.2 1 1	3 2.1 2.1	2392 397 595
Chassis beam		Y 800B X 80A Y 80A	28.5 21.5 28.2	2.7 2 2.3	2.4 2.6 3.8	4938 3086 4409
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 3	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

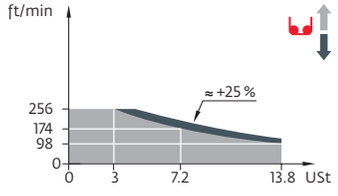
400 V - 50 Hz											hp	kW	
	100 LVF 63 Optima	ft/min	98	174	240	256	49	89	121	128	100	75	2382 ft
		USt	13.8	7.2	4.9	3	27.6	14.3	9.7	6			
	150 LVF 63 GH Optima	ft/min	144	249	331	453	627	75	138	197	276	315	150	110	3937 ft
		USt	13.8	7.2	4.9	3	1.1	27.6	14.3	9.7	6	4			
	150 LCC 63	ft/min	151	184	230	302	361	75	92	115	151	180	150	110	1512 ft
		USt	13.8	10.4	6.9	3.4	1.8	27.6	20.7	13.8	6.8	3.5			
	10 DVF 10	ft/min	0 → 210 (27.6 USt) 0 → 328 (13.8 USt) 0 → 361 (6.9 USt)									10	7.4	
	RVF 183 Optima+	rpm	0 → 0.8									3 x 12	3 x 9	
Y 800B	RT 584 A1 - 2V	ft/min	23 - 46									8 x 7	8 x 5.2	
YM 850 JM 850														
ZX 6830 X 80A Y 80A	RT 664 A2B - 2V	ft/min	52 - 105									6 x 7	6 x 5.2	

IEC 60204-32	kVA
400 V (+10% -10%) 50 Hz	100 LVF : 106 kVA 150 LCC : 146 kVA 150 LVF GH : 146 → 86 kVA

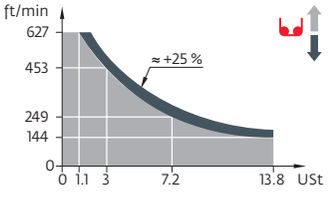
480 V - 60 Hz											hp	kW	
	100 LVF 63 Optima	ft/min	98	174	240	256	49	89	121	128	100	75	2382 ft
		USt	13.8	7.2	4.9	3	27.6	14.3	9.7	6			
	180 LVF 63 GH Optima	ft/min	174	302	397	538	627	92	167	233	302	315	180	132	3937 ft
		USt	13.8	7.2	4.9	3.0	1.8	27.6	14.3	9.7	6.0	5.5			
	150 LCC 63	ft/min	151	184	230	302	361	75	92	115	151	180	150	110	1512 ft
		USt	13.8	10.4	6.9	3.4	1.8	27.6	20.7	13.8	6.8	3.5			
	10 DVF 10	ft/min	0 → 210 (27.6 USt) 0 → 328 (13.8 USt) 0 → 361 (6.9 USt)									10	7.4	
	RVF 183 Optima+	rpm	0 → 0.8									3 x 12	3 x 9	
Y 800B	RT 584 A1 - 2V	ft/min	28 - 56									8 x 8.4	8 x 6.2	
YM 850 JM 850														
ZX 6830 X 80A Y 80A	RT 664 A2B - 2V	ft/min	62 - 125									6 x 8,4	6 x 6,2	

IEC 60204-32	kVA
480 V (+6% -10%) 60 Hz	100 LVF : 106 kVA 150 LCC : 170 kVA 180 LVF GH : 170 → 98 kVA

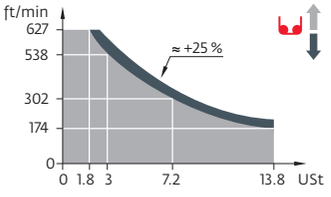
100 LVF 63 Optima



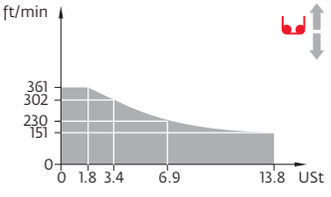
150 LVF 63 GH Optima



180 LVF 63 GH Optima



150 LCC 63



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

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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