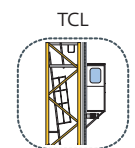
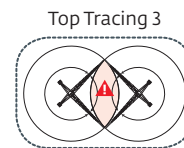
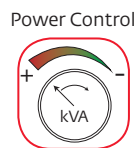
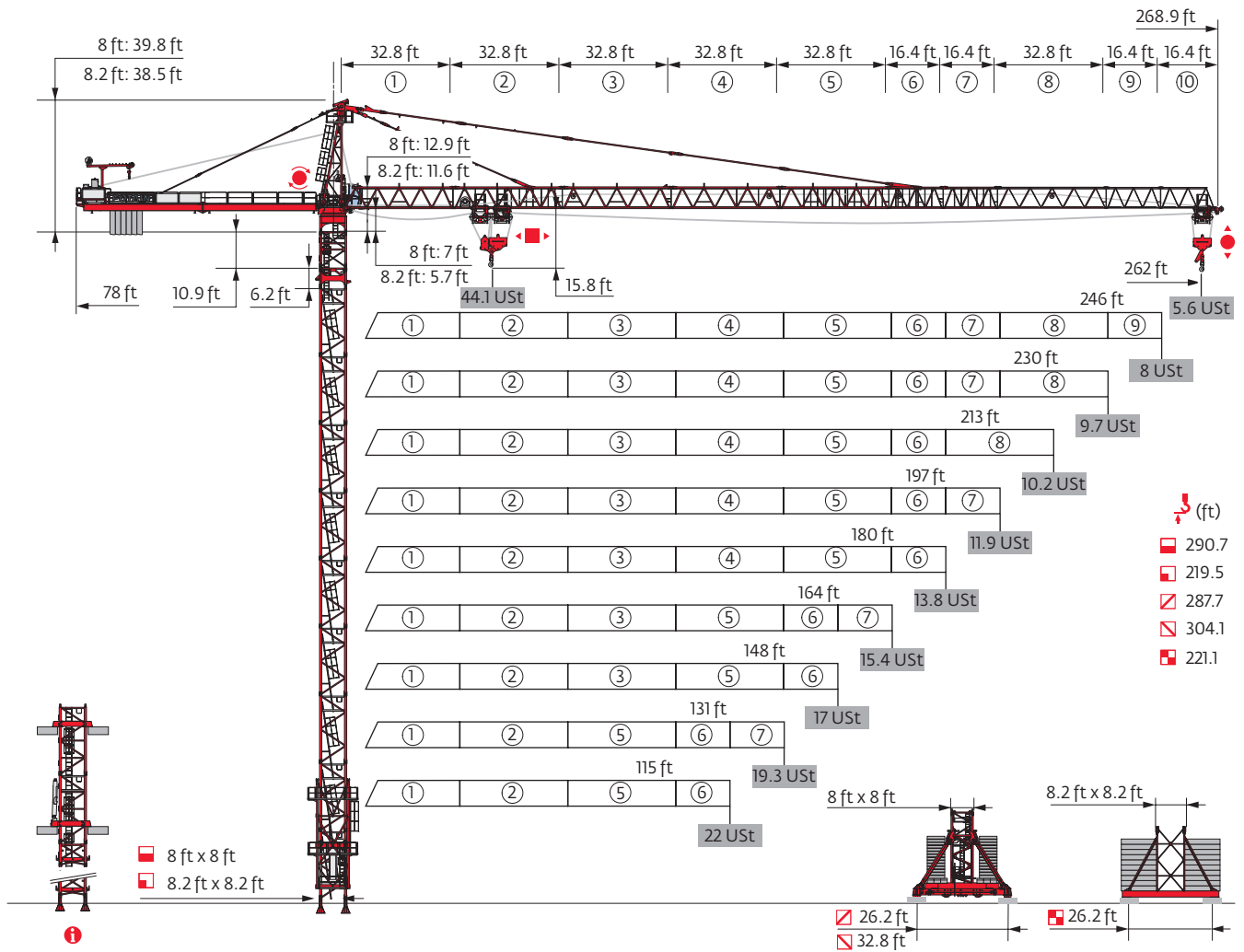


MD 679 M40

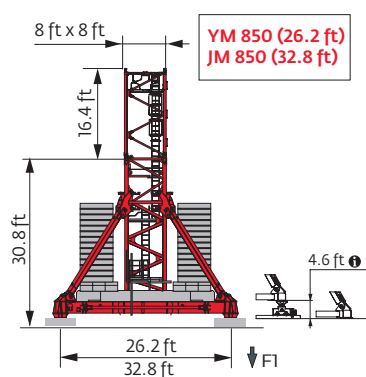
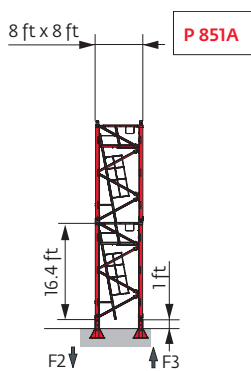


Mast - Reactions

8 ft - P 851A										
Height (ft)	115	131	148	164	180	197	213	230	246	262
Height (ft)	285.1	290.7	290.7	290.7	279.5	279.5	279.5	268.7	279.5	279.5
Height/P ₊ (ft)	279.5	274.3	274.3	274.3	268.7	268.7	268.7	263.1	274.3	268.7
Section	10.9 ft	1	1	1	1	1	1	1	1	1
	6.2 ft	1	1	1	1	1	1	1	1	1
	10.9 ft	1	0	0	0	2	2	2	1	2
	16.4 ft	16	17	17	17	15	15	15	15	15
F2 (USt)	● 378	379	376	376	373	374	370	376	378	384
	■ 564	582	583	581	549	557	553	512	563	579
F3 (USt)	● 258	256	251	249	243	242	237	242	240	246
	■ 467	481	481	476	440	447	441	400	447	463

8 ft - YM 850 - JM 850										
Height (ft)	115	131	148	164	180	197	213	230	246	262
Height (ft)	287.7	287.7	287.7	287.7	287.7	287.7	287.7	271.3	287.7	287.7
Height/P ₊ (ft)	287.7	271.3	271.3	271.3	271.3	271.3	271.3	271.3	287.7	271.3
Section	10.9 ft	1	1	1	1	1	1	1	1	1
	6.2 ft	1	1	1	1	1	1	1	1	1
	16.4 ft	15	15	15	15	15	15	15	14	15
	FI (USt)	● 214	210	210	207	211	212	211	198	214
	■ 273	272	272	269	270	274	272	241	275	285

8 ft - JM 850										
Height (ft)	115	131	148	164	180	197	213	230	246	262
Height (ft)	293	298.6	298.6	304.1	293	293	293	271.3	293	293
Height/P ₊ (ft)	287.7	282.2	282.2	282.2	276.6	276.6	276.6	271.3	287.7	282.2
Section	10.9 ft	1	1	1	1	1	1	1	1	1
	6.2 ft	1	1	1	1	1	1	1	1	1
	10.9 ft	2	1	1	0	2	2	0	2	2
	16.4 ft	14	15	15	16	14	14	14	14	14
F1 (USt)	● 178	180	180	182	176	177	177	161	181	182
	■ 229	236	236	242	227	231	229	192	232	239



8.2 ft - P 80A

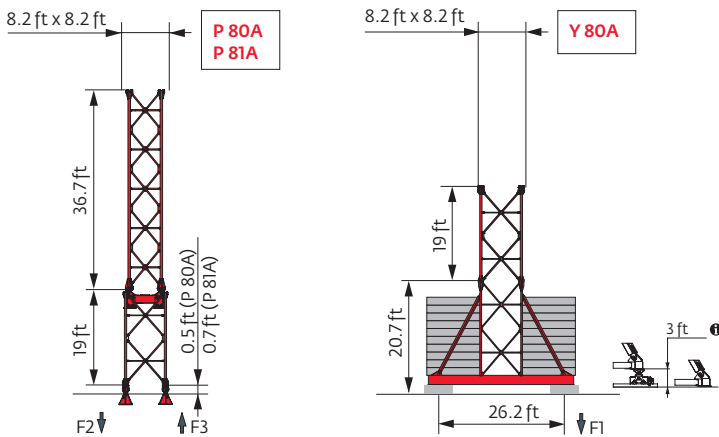
Height (ft)	115	131	148	164	180	197	213	230	246	262
Height (ft)	200.5	219.5	219.5	219.5	200.5	200.5	200.5	181.4	219.5	200.5
Height/P _z (ft)	200.5	-	-	-	-	-	181.4	-	-	181.4
Cable	36.7 ft	1	1	1	1	1	1	1	1	1
	19 ft	9	10	10	10	9	9	9	8	10
F2 (Ust)	● 249	253	250	251	246	247	244	249	251	245
	■ 155	182	183	181	167	162	168	166	196	175
F3 (Ust)	● 157	155	151	149	142	141	137	141	137	133
	■ 85	106	106	101	85	79	83	80	104	85

8.2 ft - P 81A

Height (ft)	115	131	148	164	180	197	213	230	246	262
Height (ft)	200.5	219.5	219.5	219.5	200.5	200.5	200.5	181.4	219.5	200.5
Height/P _z (ft)	200.5	-	-	-	-	-	181.4	-	-	181.4
Cable	36.7 ft	1	1	1	1	1	1	1	1	1
	19 ft	9	10	10	10	9	9	9	8	10
F2 (Ust)	● 249	253	251	251	247	247	244	249	252	245
	■ 155	182	183	181	168	163	168	166	197	175
F3 (Ust)	● 156	155	151	148	142	141	136	141	137	133
	■ 84	106	105	101	85	78	83	80	104	85

8.2 ft - Y 80A

Height (ft)	115	131	148	164	180	197	213	230	246	262
Height (ft)	221.1	221.1	221.1	221.1	202.1	202.1	221.1	202.1	221.1	202.1
Height/P _z (ft)	221.1	-	-	-	-	-	202.1	-	-	202.1
Cable	36.7 ft	1	1	1	1	1	1	1	1	1
	19 ft	9	9	9	9	8	8	9	8	9
F1 (Ust)	● 144	139	139	140	139	144	147	149	148	148
	■ 105	103	104	106	107	109	112	112	116	110






i Motorized accesses of CabLIIFT and TCL types: Adapted mast compositions, base ballast and reactions.




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

i

Base ballast

 (Ust) /  8 ft - YM 850 - 										
RAIL (ft)	115	131	148	164	180	197	213	230	246	262
287.7	211.6	198.4	198.4	185.2	185.2	185.2	185.2		172	185.2
271.3	172	158.7	158.7	145.5	132.3	145.5	132.3	132.3	132.3	145.5
254.9	119.1	119.1	119.1	105.8	92.6	105.8	92.6	92.6	105.8	105.8
238.5	92.6	92.6	92.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4
222.1	79.4	79.4	79.4	66.1	66.1	66.1	66.1	66.1	66.1	66.1
205.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
↓ (ft)	189.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
	172.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
	156.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
	140.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
	123.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
	107.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
	90.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
	74.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1

 (Ust) /  8 ft - JM 850 - 										
RAIL (ft)	115	131	148	164	180	197	213	230	246	262
304.1										132.3
298.6		132.3	132.3	132.3						
293	132.3	132.3	119.1	119.1	105.8	105.8	105.8		105.8	105.8
271.3	79.4	79.4	79.4	66.1	52.9	66.1	52.9	52.9	52.9	66.1
254.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
238.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
222.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
↓ (ft)	205.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	189.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	172.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	156.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	140.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	123.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	107.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	90.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	74.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9

 (Ust) /  8.2 ft - Y 80A - 										
RAIL (ft)	115	131	148	164	180	197	213	230	246	262
221.1	105.8	92.6	92.6	92.6			105.8		105.8	
202.1	92.6	92.6	92.6	92.6	92.6	105.8	105.8	105.8	105.8	105.8
183.1	79.4	79.4	79.4	92.6	92.6	92.6	105.8	105.8	105.8	105.8
↓ (ft)	164	79.4	79.4	79.4	92.6	92.6	92.6	105.8	105.8	105.8
	145.3	79.4	79.4	79.4	92.6	92.6	92.6	92.6	92.6	105.8
	126.3	79.4	79.4	79.4	92.6	92.6	92.6	92.6	92.6	92.6
	107.3	79.4	79.4	79.4	92.6	92.6	92.6	92.6	92.6	92.6
	88.3	79.4	79.4	79.4	92.6	92.6	92.6	92.6	92.6	92.6

Load curves



(ft)			39	49	72	82	98	115	121	131	148	154	164	180	187	197	213	220	230	236	246	253	262	ft
	44.1 USt																							
	22 USt																							
262	13 → 52	78 - 85	44.1	44.1	25.4	22	18.5	15.4	14.4	13.1	11.3	10.7	9.9	8.7	8.3	7.7	6.9	6.6	6.2	6	5.6	5.4	5.1	USt
	13 → 54	84 - 92	44.1	44.1	27.9	22.9	20.4	16.7	15.4	14	12.3	11.8	10.9	9.6	9.1	8.5	7.6	7.3	6.8	6.6	6.2	5.9	5.6	USt P+
246	13 → 53	88 - 94	44.1	44.1	29.1	24.3	20.7	16.8	15.5	13.9	12.5	12	11.3	10.4	10	9.6	8.7	8.4	7.9	7.7	7.3			USt
	13 → 57	94 - 101	44.1	44.1	32	26.7	22	18.3	16.8	15.3	13.6	13.1	12.5	11.4	11	10.5	9.6	9.2	8.7	8.4	8			USt P+
230	13 → 60	98 - 102	44.1	44.1	34.1	28.4	22	19.2	18.1	16.5	14.3	13.6	12.7	11.7	11.3	10.7	9.8	9.4	8.8					USt
	13 → 60	104 - 107	44.1	44.1	36.3	31.3	24	19.8	18.4	16.7	15	14.5	13.9	12.8	12.4	11.8	10.7	10.3	9.7					USt P+
213	13 → 57	100 - 107	44.1	44.1	33.3	28.4	22.6	20.4	19	17.3	15	14.2	13.1	11.6	11.1	10.4	9.3							USt
	13 → 60	108 - 113	44.1	44.1	36.5	31.3	24.8	21.5	20	18.3	16.4	15.6	14.4	12.8	12.2	11.4	10.2							USt P+
197	13 → 57	101 - 109	44.1	44.1	33.4	28.7	22.9	20.8	19.4	17.7	15.4	14.6	13.6	12.1	11.5	10.8								USt
	13 → 60	109 - 115	44.1	44.1	35.8	31	25	22	20.5	18.7	16.7	16.1	14.9	13.3	12.7	11.9								USt P+
180	13 → 59	105 - 113	44.1	44.1	34.6	29.8	23.9	21.7	20.4	18.6	16.2	15.4	14.3	12.8										USt
	13 → 61	112 - 119	44.1	44.1	36.5	31.6	25.6	22	21.6	19.8	17.4	16.5	15.4	13.8										USt P+
164	13 → 58	105 - 113	44.1	44.1	34.2	29.5	23.8	21.7	20.4	18.7	16.3	15.5	14.4											USt
	13 → 61	112 - 119	44.1	44.1	36.4	31.5	25.6	22	21.6	19.8	17.3	16.5	15.4											USt P+
148	13 → 57	104 - 112	44.1	44.1	33.7	29.1	23.5	21.4	20.1	18.4	16.1													USt
	13 → 60	110 - 117	44.1	44.1	35.8	31	25.1	22	21.2	19.4	17													USt P+
131	13 → 58	105 - 113	44.1	44.1	34.1	29.5	23.8	21.6	20.3	18.6														USt
	13 → 60	110 - 117	44.1	44.1	35.6	30.8	25	22	21.1	19.3														USt P+
115	13 → 58		44.1	44.1	34.6	29.9	24.2	22																USt
	13 → 59	108 - 115	44.1	44.1	35.2	30.5	24.7	22																USt P+

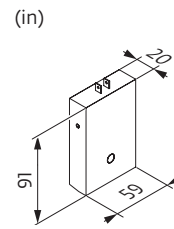
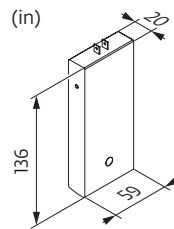
= - 2.34 USt max.

Jib weight & counter-jib ballast

		13,228 lb	8,818 lb	
262 ft	61,255	6	0	79,366
246 ft	60,153	6	0	79,366
230 ft	58,941	5	1	74,957
213 ft	56,549	5	0	66,139
197 ft	55,865	4	1	61,729
180 ft	53,473	3	2	57,320
164 ft	49,758	2	2	44,092
148 ft	47,377	2	1	35,274
131 ft	43,122	1	2	30,865
115 ft	40,741	1	1	22,046

CBC - 13,228 lb

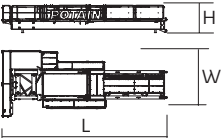
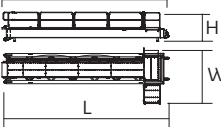
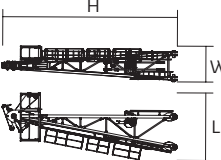
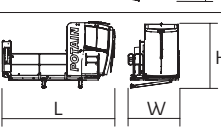

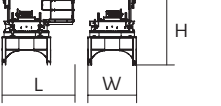
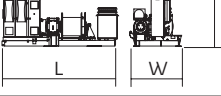

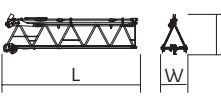
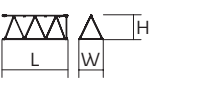
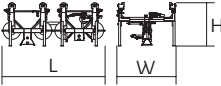

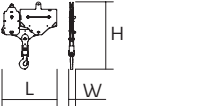

CBD - 8,818 lb

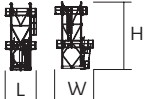


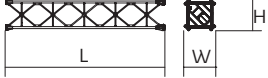
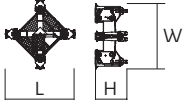

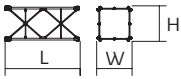
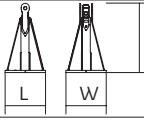

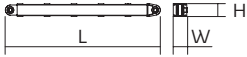
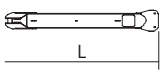
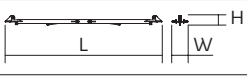
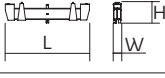

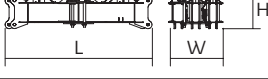
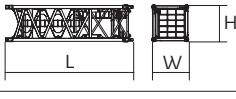
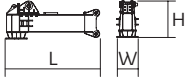
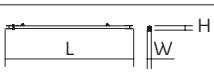



Dimensions and weight









Slewing crane part :  262 ft -  -  320 LVF






Slewing crane part		L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib		38.4	15.4	6.4	14,551
					
Cathead		11.6	6.5	32.3	18,221
					
Cab	 Ultra View	16.4	8.2	9.1	4,134
Towerhead		12.1	9.5	12.7	25,485
		12.9	10	11.5	25,353
Hoisting winch (+ rope)	 320 LVF	16.7	7.5	7.3	21,793
Intermediate winch frame		10.7	9.5	5.4	12,485
Jib section		① 34	6.2	8.3	11,244
		② 15 DVF 33.9	6.2	7.7	11,442
		③ 33.6	6.2	7.9	6,636
		④ 33.6	6.2	7.6	6,107
		⑤ 33.6	6.2	7.6	6,250
Jib section		⑧ 33.5	6.2	6.6	3,075
		⑥ 17.5	6.2	7.4	3,803
		⑦ 17.2	6.2	6.7	2,381
		⑨ 17	6.2	6.5	1,213
Trolley		13	7.2	5.5	3,131
		 44.1 USt			
Pulley block		8.1	1.2	9.4	4,050
		 44.1 USt			


















Crane tower			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Telescopic cage		□ 8 ft	15.2	19	33.6	29,200
K 850/K 850 Telescoping mast		□ 8 ft	7.3	10.7	8.2	8,069
Telescopic 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
KM 850.10B KMT 850.10A KMT 850.10C		□ 8 ft	33.9 17.5 12	8.1 8.3 8.3	8.3 8.2 8.2	22,201 12,015 9,326
R 86 R 87 R 87B R 88B		□ 8.2 ft	21 21 21 21	9.5 9.5 9.5 9.7	9.5 9.5 9.5 9.7	8,422 9,392 9,976 12,787
Fixing angles		P 851A P 80A P 81A	3 2.6 -	3 2.6 -	4.9 4 -	1,841 4,343 -
Basic mast unit		Y 80A	19.7	9.8	9.8	16,314
Struts		Y 80A	18	1.4	1.2	1,764
1/2 Side member		Y 80A	18.4	3.8	2	2,205
Side member		Y 80A	38.9	3.8	2	4,630
Ballast support		Y 80A	15.3	1	2.2	595
Chassis beam		Y 80A	28.2	2.3	3.8	4,409
Central cross (transport position)		YM 850 JM 850	17.1	5.6	4.9	14,771
Basic mast unit		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	6,173 7,055
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	4,630 5,071

Mechanisms

480 V - 60 Hz													hp	kW			
	320 LVF 100 Optima	fpm	197	256	367	505	531	98	128	184	253	266	320	240	1,745 ft		
		USt	22	16.5	11	7.5	6.4	44.1	33.1	22	15.7	13.4					
	15 DVF 16 Optima	fpm	0 → 108 (44.1 USt) 0 → 164 (22 USt) 0 → 220 (11 USt) 0 → 328 (2.8 USt)												15	11	
	RVF 173 Optima+	rpm	0 → 0.8												3 x 10	3 x 7.5	
																	

 IEC 60204-32	 kVA	
480 V (+6% -10%) 60 Hz	297 → 169 kVA	

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.

-  Standard equipment
-  Options
-  Potain Plus function: Plus load curves
-  Hook heights with Plus load curves
-  Reactions in service
-  Reactions out of service
-  Total ballast weight
-  Jib weight
-  Lorry 44 ft
-  Container High Cube 40 ft, and/or Flat Rack 20 ft
-  Hoisting
-  Trolleying
-  Slewing
-  Travelling
-  Required power
-  Power Control Function: winch speeds adapted to the available power
-  Consult us

 This commercial document is not legally binding. For any technical information, please refer to the corresponding instructions.

