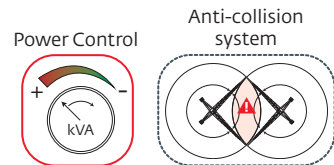
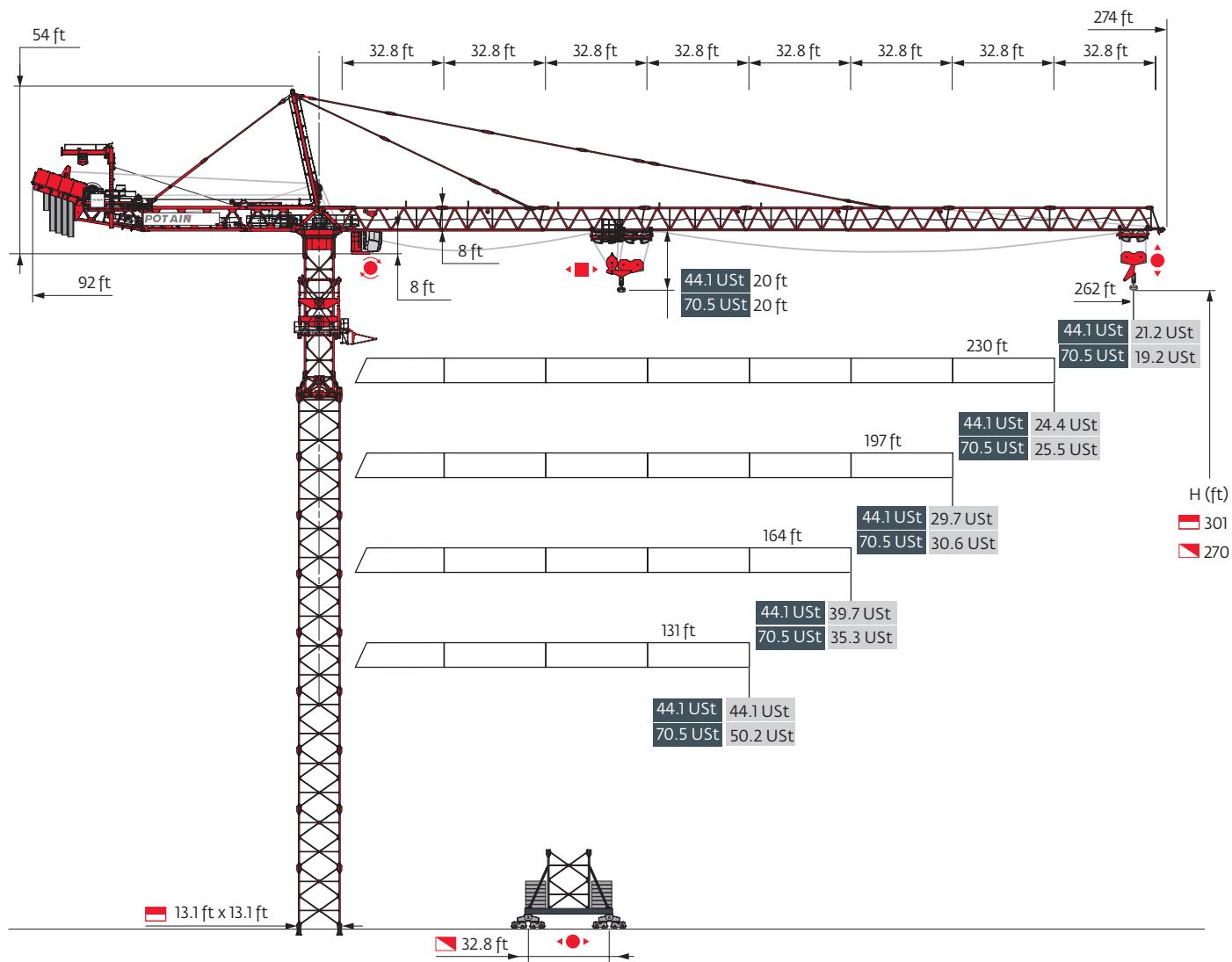


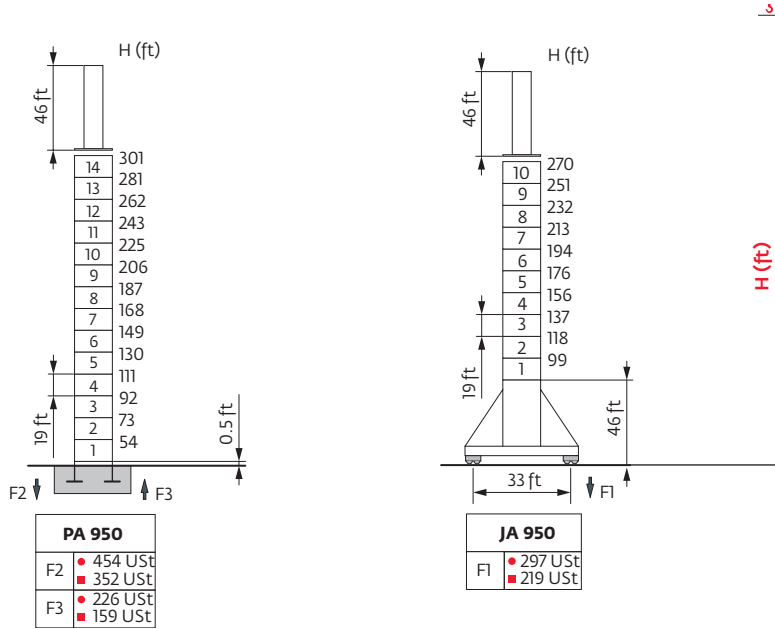
MD 1600



Mast - Reactions

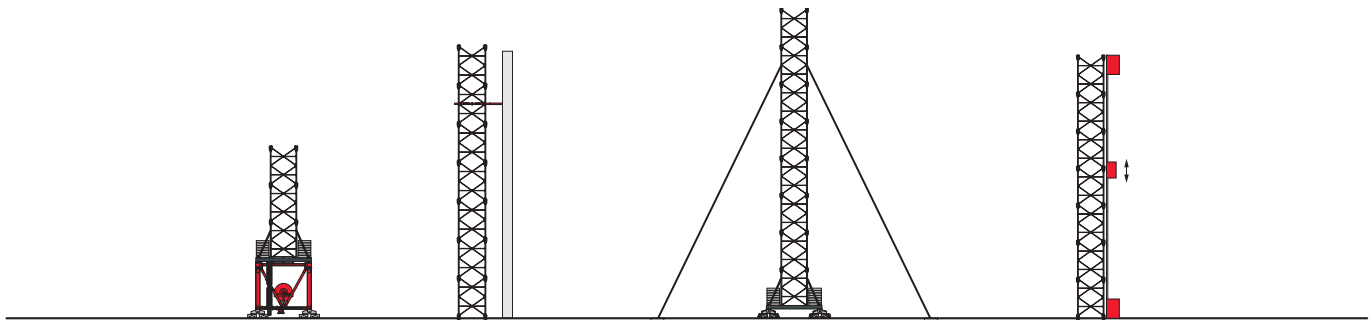
☐ 13.1 ft

▲▲▲ 131 ft → 262 ft



For any special request, please consult us.

Mounting possibilities ⓘ

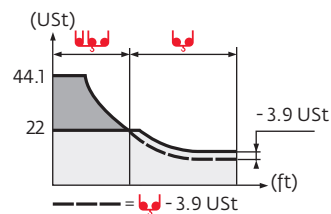


Load curves



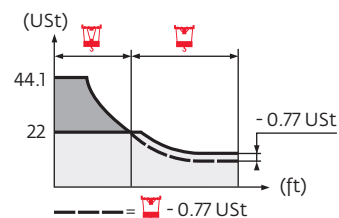
44.1 USt

262 ft	21 ▶	127	148	164	180	197	213	221	254	262	ft
▲▲▲		44.1	36.8	32.4	28.8	25.7	23.1	22	22	21.2	USt
230 ft	21 ▶	141	148	164	180	197	213	230	ft		
▲▲▲		44.1	41.9	36.9	33	29.7	26.8	24.4	USt		
197 ft	21 ▶	141	148	164	180	197	ft				
▲▲▲		44.1	41.9	37	33	29.7	USt				
131 ft/164 ft	21 ▶	131	150	164	ft						
▲▲▲		44.1	44.1	39.7	USt						



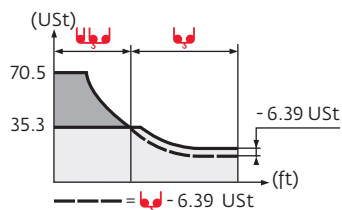
44.1 USt

262 ft	19 ▶	124	131	148	164	180	197	212	218	230	246	262	ft
▲▲▲		44.1	41.2	35.6	31.2	27.6	24.5	22	22	20.4	18.5	16.9	USt
230 ft	19 ▶	139	148	164	180	197	213	230	ft				
▲▲▲		44.1	40.9	35.9	31.9	28.4	25.6	23.1	USt				
197 ft	19 ▶	139	148	164	180	197	ft						
▲▲▲		44.1	41.2	36.2	32.1	28.7	USt						
131 ft/164 ft	19 ▶	131	147	148	164	ft							
▲▲▲		44.1	44.1	43.9	38.6	USt							



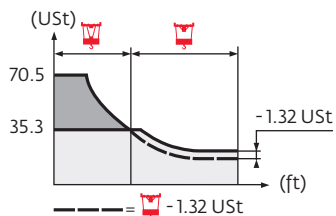
70.5 USt

262 ft	21 ▶	79	82	98	115	131	138	159	164	180	197	213	230	246	262	ft
▲▲▲		70.5	67.7	54.5	44.9	37.8	35.3	35.3	34.2	30.5	27.4	24.9	22.7	20.8	19.2	USt
230 ft	21 ▶	87	98	115	131	148	151	175	180	197	213	230	ft			
▲▲▲		70.5	60.7	50.4	42.5	36.5	35.3	35.3	34	30.6	27.9	25.5	USt			
197 ft	21 ▶	87	98	115	131	148	151	175	180	197	ft					
▲▲▲		70.5	60.7	50.3	42.5	36.5	35.3	35.3	34	30.6	USt					
164 ft	21 ▶	94	98	115	131	148	164	ft								
▲▲▲		70.5	66.8	55.6	47.1	40.6	35.3	USt								
131 ft	21 ▶	99	115	131	ft											
▲▲▲		70.5	59.1	50.2	USt											



70.5 USt

262 ft	19 ▶	82	98	115	131	145	149	164	180	197	213	230	246	262	ft	
▲▲▲		70.5	56.9	47.2	40	35.3	35.3	31.2	27.4	24.4	21.8	19.6	17.6	16	USt	
230 ft	19 ▶	89	98	115	131	148	158	163	164	180	197	213	230	ft		
▲▲▲		70.5	63.1	52.6	44.6	38.6	35.3	35.3	34.8	30.9	27.6	24.7	22.3	USt		
197 ft	19 ▶	90	98	115	131	148	158	163	164	180	197	ft				
▲▲▲		70.5	63.2	52.6	44.8	38.6	35.3	35.3	34.9	30.9	27.6	USt				
164 ft	19 ▶	93	98	115	131	148	164	ft								
▲▲▲		70.5	65.8	54.9	46.7	40.3	35.3	USt								
131 ft	19 ▶	93	98	115	131	ft										
▲▲▲		70.5	66	55	46.8	USt										



Mechanisms

480 V - 60 Hz													hp	kW		
	320 LVF 100 Optima	44.1 USt	fpm	220	282	387	486	531	112	141	197	243	266	320	240	1,745 ft
		USt		22	16.5	11	7.5	6.6	44.1	33.1	22	15.7	14			
	320 LVF 160 Optima	70.5 USt	fpm	121	161	230	361	351	62	79	115	180	177	320	240	2,103 ft
		USt		35.3	26.5	17.6	8.8	9.4	70.5	52.9	35.3	17.6	19.3			
	15 DVF 16	44.1 USt	fpm	0 → 108 (44.1 USt) 0 → 164 (22 USt) 0 → 220 (11 USt) 0 → 328 (2.8 USt)				15	11							
	25 DVF 30	70.5 USt	fpm	0 → 82 (70.5 USt) 0 → 164 (35.3 USt) 0 → 295 (17.6 USt) 0 → 377 (8.8 USt)				25	18.5							
	RVF 194 Optima+		rpm	0 → 0.6								4 x 15	4 x 11			

	IEC 60204-32	kVA	
	480 V (+6% -10%) 60 Hz	320 LVF / 15 DVF: 303 → 175 kVA 320 LVF / 25 DVF: 311 → 183 kVA	

These mast combinations meet the EN 14439 and ASME B30.3-2016 specifications for "out of service" wind conditions, provided the illustrated wind speed matches required design wind speed for the location of the tower crane. The "out of service" design wind speed was determined in accordance with ASCE 7-10, Figure 26.5-1A. 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 700-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
- Reactions in service
- Reactions out of service
- Hoisting
- Trolleying
- Slewing
- Travelling
- Required power
- Power Control Function: winch speeds adapted to the available power

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

