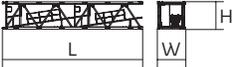
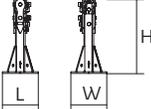
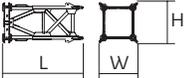
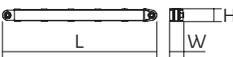
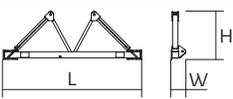
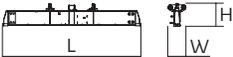
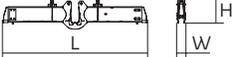
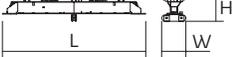
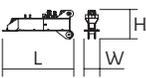
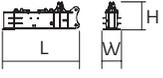
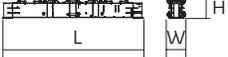


Dimensions and weight

Slewing crane part:  197 ft -  33 LVF



Slewing crane part		L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib		38.9	4.4	8.2	11,023
Towerhead + cab	Ultra View	14.2	7.4	8.1	13,338
Jib section	① 33 LVF 6 DVF	36	9.6	8.6	8,400
Jib section	②	33.6	3.4	7.8	3,217
Jib section	③ ④ ⑥ ⑦ ⑨	17.1 17 17 17 16.9	3.4 3.4 3.4 3.4 3.4	7.7 7.6 6.3 6.2 3.9	1,336 1,283 886 756 503
Jib section	⑤ ⑧	17 16.9	3.4 3.4	7.6 6.2	990 646
Jib section	⑩	16.7	3.4	3.8	417
Hoisting winch (+ rope)	33 LVF 50 LVF 50 LVF GH	4.5 5 5.3	2.7 3.1 4.4	2.5 3 4.1	2,006 2,646 4,288
Trolley	8.8 USt	5.2	4.4	2.9	617
Pulley block	8.8 USt	3	0.8	4.6	617
Trolley	8.8 USt	4.6	4.1	3.1	617
Trolley	8.8 USt 4.4 USt	4.7 5	4.1 4.3	3.1 3.1	617 518
Pulley block	8.8 USt 4.4 USt	4.1 2.6	0.9 0.6	5 4.5	551 287

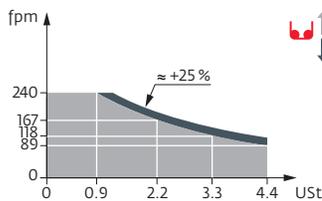
Crane tower			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Telescopic cage T41 Telescopic cage T61		□ 5.2 ft □ 6.6 ft	35.6 35.5	12.3 13.6	13.5 14.7	15,653 21,385
K40/K40-2 K60/K40-2		□ 5.2 ft □ 6.6/5.2 ft	7.3 7.3	6.9 8.2	6.8 8.1	2,932 5,820
K 447E KM 447E KM 449E K 649B KM 649E KRM 6410B		□ 5.2 ft □ 5.2 ft □ 5.2 ft □ 6.6 ft □ 6.6 ft □ 6.6 ft	33.5 33.5 33.5 33.6 33.8 33.6	5.3 5.3 5.3 6.8 6.7 6.9	5.3 5.3 5.3 6.7 6.7 6.8	7,474 7,088 8,830 11,663 10,692 15,653
K 447A KMT 447A K 449A KMT 449A KR 649A KRMT 649A K 649A KMT 649A		□ 5.2 ft □ 5.2 ft □ 5.2 ft □ 5.2 ft □ 6.6 ft □ 6.6 ft □ 6.6 ft □ 6.6 ft	17.1 17.1 17.1 17.1 17.2 17.2 17.2 17.2	5.5 5.5 5.5 5.5 6.9 6.9 6.8 6.8	5.3 5.3 5.3 5.3 6.8 6.8 6.7 6.7	4,079 3,847 4,916 4,696 7,165 6,724 6,184 5,666
K 447C KMT 447C K 649C KMT 649C KRMT 649C		□ 5.2 ft □ 5.2 ft □ 6.6 ft □ 6.6 ft □ 6.6 ft	11.3 11.6 11.7 11.7 11.7	5.5 5.5 6.8 6.8 6.9	5.3 5.3 6.7 6.7 6.8	2,998 2,976 4,559 4,542 5,401
Fixing angles		P 24A / P 42A P 63A / P 800B	1.8 2.5	1.8 2.5	3.8 4.2	529 1,025
Basic mast unit		S 41A V 60A	11.9 16.4	6.4 7.9	6.8 7.9	7,132 10,494
Struts		S 41A V 60A	10.4 14.8	0.9 1	0.8 1	816 1,036
Half-bearer		S 41A V 60A	16.7 22	2 2.3	5.8 7.6	2,315 4,057
Cross girder		ZC 4230 ZD 4230	18.5 21.8	2.7 2.7	3.4 3.4	3,505 4,035
Cross girder		ZC 4230 ZD 4230	18.5 21.8	1.5 1.5	4.4 4.4	4,178 4,707
Cross girder		ZD 463	25.1	3.8	4.5	7,904
1/2 Cross girder		ZD 463	11.2	2.3	4.4	3,649
1/2 Cross girder		ZX 640	14.3	3.3	5.1	7,319
Cross girder		ZX 640	30	3.9	5.1	15,168

Mechanisms

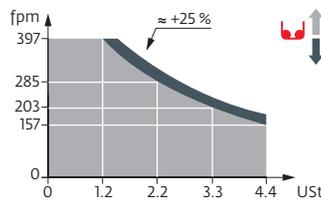
480 V - 60 Hz											hp	kW	
	33 LVF 20 Optima	fpm	89	118	167	240	46	59	89	121	33	22	951 ft
		USt	4.4	3.3	2.2	0.9	8.8	6.6	4.4	2			
	50 LVF 20 Optima	fpm	157	203	285	397	82	108	151	200	50	37	1,191 ft
		USt	4.4	3.3	2.2	1.2	8.8	6.6	4.4	2.8			
50 LVF 20 GH Optima	fpm	161	210	289	371	82	105	151	187	50	37	2,080 ft	
	USt	4.4	3.3	2.2	1.2	8.8	6.6	4.4	2.9				
	6 DVF 4 Optima	fpm	0 → 262 (8.8 USt) 0 → 328 (2.2 USt)								5.5	4	
	RVF 152 Optima+	rpm	0 → 0.8								2 x 5.5	2 x 4	

480 V (+6% -10%) 60 Hz	33 LVF: 41 → 28 kVA	
	50 LVF / 50 LVF GH: 54 → 34 kVA	

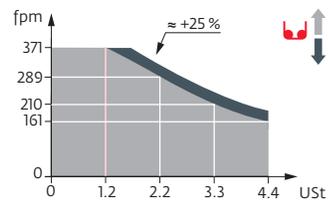
33 LVF 20 Optima



50 LVF 20 Optima



50 LVF 20 GH Optima



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.

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

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

