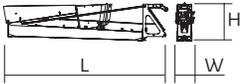
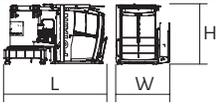
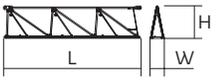
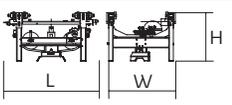
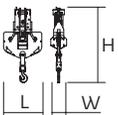
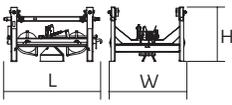
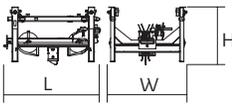
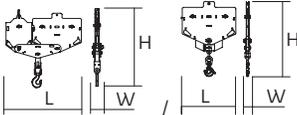
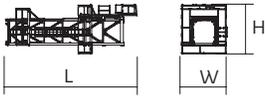
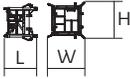
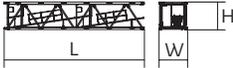
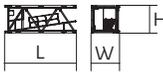
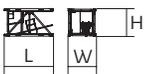
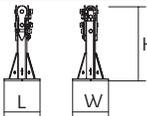
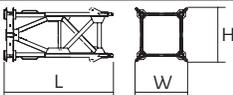
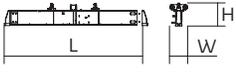
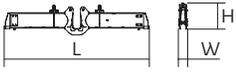
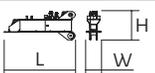
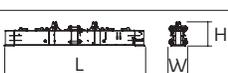


Dimensions and weight

Slewing crane part:  213 ft -  -  50 LVF



Slewing crane part		L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib		36.7	5	8.3	13,096
Towerhead + cab	 Ultra View  5.2 ft  6.6 ft	15.4 15.6	7.5 7.5	8.2 8.2	14,749 16,513
Jib section	 ① 50 LVF 6 DVF	35.8	9.6	8.6	9,943
Jib section	 ②	33.7	3.4	7.9	4,156
Jib section	 ③ ④ ⑤ ⑦ ⑧ ⑩	17.2 17 17 17 17 16.9	3.4 3.4 3.4 3.4 3.4 3.4	7.7 7.6 7.6 6.3 6.2 3.9	1,654 1,327 1,327 860 774 529
Jib section	 ⑥ ⑨	17 16.9	3.4 3.4	7.6 6.2	1,058 661
Jib section	 ⑪	16.7	3.4	3.8	441
Hoisting winch (+ rope)	 50 LVF 50 LVF GH	5 5.3	3 4.2	2.8 3.9	2,646 4,101
Trolley	  11 Ust	5.9	4.4	3.2	743
Pulley block	  11 Ust	3.3	1.4	6.6	697
Trolley	  11 Ust	5.4	4.3	3	362
Trolley	  11 Ust  5.5 Ust	5.2 5.2	4.3 4.2	3 3	353 507
Pulley block	  11 Ust  5.5 Ust	5.4 3.6	0.8 0.5	5.6 4.9	675 695

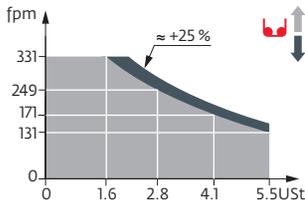
Crane tower		L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Telescopic cage T41 Telescopic cage T61		35.6 35.5	12.3 13.6	13.5 14.7	15,653 21,385
K40/K40-2 K60/K60-2		7.3 7.3	6.9 8.2	6.8 8.1	2,932 4,255
K 447E KM 447E KM 449E K 649B KM 649E KRM 6410B		33.5 33.5 33.5 33.6 33.8 33.6	5.3 5.3 5.3 6.8 6.7 6.9	5.3 5.3 5.3 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		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		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		1.8 2.5	1.8 2.5	3.8 4.2	529 1,025
Basic mast unit		11.9 16.4	6.4 7.9	6.8 7.9	7,132 10,494
Struts		10.4 14.8	0.9 1	0.8 1	816 1,036
Half-bearer		16.7 22	2 2.3	5.8 7.6	2,315 4,057
Cross girder		21.8	2.7	3.4	4,035
Cross girder		21.8	1.5	4.4	4,707
Cross girder		25.1	3.8	4.5	7,904
1/2 Cross girder		11.2	2.3	4.4	3,649
1/2 Cross girder		14.3	3.3	5.1	7,319
Cross girder		30	3.9	5.1	15,168

Mechanisms

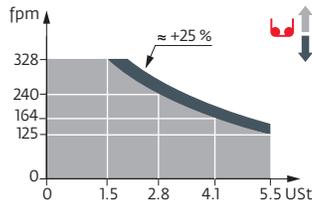
480 V - 60 Hz											hp	kW	
	50 LVF 25 Optima	fpm	131	171	249	331	66	85	125	164	50	37	912 ft
		USt	5.5	4.1	2.8	1.6	11	8.3	5.5	3.3			
	50 LVF 25 GH Optima	fpm	125	164	240	328	62	82	121	164	50	37	1,690 ft
		USt	5.5	4.1	2.8	1.5	11	8.3	5.5	3.2			
	6 DVF 4 Optima	fpm	0 → 262 (11 USt)				0 → 328 (2.2 USt)				5.5	4	
	RVF 162 Optima+	rpm	0 → 0.8								2 x 7.5	2 x 5.5	

IEC 60204-32	kVA	
480 V (+6% -10%) 60 Hz	50 LVF / 50 LVF GH: 58 → 38 kVA	

50 LVF 25 Optima



50 LVF 25 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
- 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.

