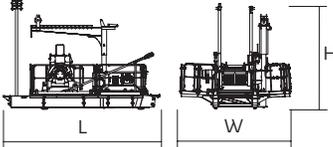
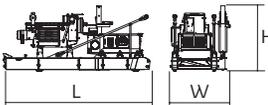
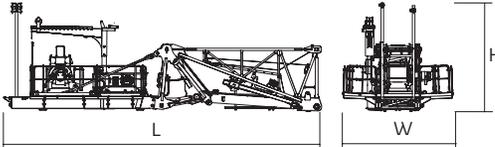
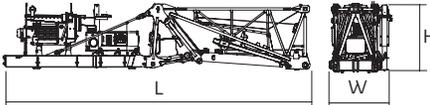
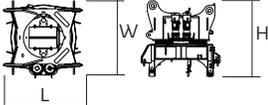
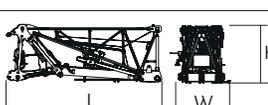
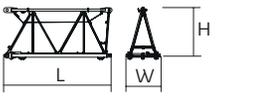
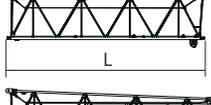
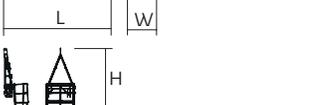
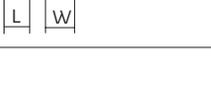
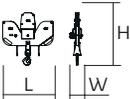
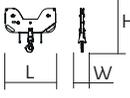
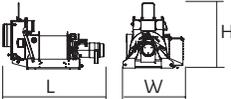
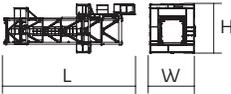
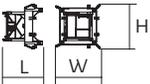
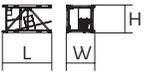
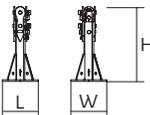
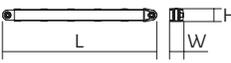
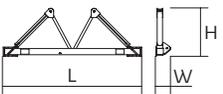


Dimensions and weight

Slewing crane part:  180 ft -  50 LVF



Slewing crane part		L (ft)	W (ft)	H (ft)	lb (+/- 5%)	
Counter-jib		50 LVF 90 HPL™	19.7	13.9	13.1	15,399 17,780
		50 LVF 90 HPL™	18.2	7.4	10	14,099 16,480
Counter-jib + Jib foot		50 LVF 90 HPL™	40	13.9	13.1	32,187 34,568
		50 LVF 90 HPL™	39.4	7.4	8.4	30,887 33,268
Cab		V140 SR	15.9	7.8	8.2	3,748
Towerhead		□ 5.2 ft	7.1	6.6	7.8	10,891
		□ 6.6 ft	8.2	8.1	7.8	13,922
Jib section		①	21.6	7.1	8.4	16,788
		②	17.4	5.6	8.2	3,164
		③	33	4.7	8.2	4,068
		④	33.6	4.7	7.8	3,395
		⑤	17.1	4.7	6.4	1,356
		⑥	17	4.7	6.4	1,179
		⑦	16.9	4.7	6.4	948
		⑧	16.9	4.5	6.3	783
		⑨	16.9	4.5	6.3	672
			4	4.9	10	397

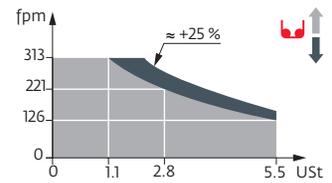
Pulley block			4.8	1.2	4.9	838
			4.8	0.7	4.1	441
Hoisting winch (+ rope)		50 LVF 90 HPL™	8.2 9.3	5 4.3	5.3 5.6	4,365 6,746
Crane tower			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
T61		□ 6.6 ft	35.5	13.6	14.7	21,385
K60/K40-2		□ 6.6/5.2 ft	7.3	8.2	8.1	5,820
K 447E KM 447E KM 449E K 649B KM 649E KRM 6410B		□ 5.2 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

Mechanisms

480 V - 60 Hz										hp	kW				
	50 LVF 25 Optima	fpm	126	166	221	313	66	85	115	157	50	37	1,827 ft		
		USt	5.5	4.1	2.8	1.1	11	8.3	5.5	2.5					
	90 HPL™ 25	fpm	213	279	392	518	707	110	146	203	271	353	90	66	3,136 ft
		USt	5.5	4.1	2.8	1.4	0.4	11	8.3	5.5	2.8	1.3			
	60 VVH 140	min	2								60	45			
	RVF 152 Optima +	rpm	0 → 0.8								2 x 5.5	2 x 4			

	IEC 60204-32	kVA
480 V (+6% -10%) 60 Hz	50 LVF: 107 kVA 90 HPL™: 139 → 103 kVA	

50 LVF 25 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.

- Standard equipment
- Options
- Reactions in service
- Reactions out of service
- Jib weight
- Total ballast weight
- Jib articulation axis
- Weathering position
- Lorry 44 ft
- Container High Cube 40 ft, and/or Flat Rack 20 ft
- Hoisting
- Luffing
- 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.

