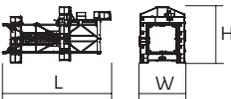
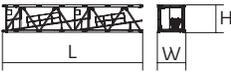
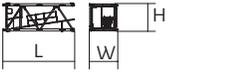
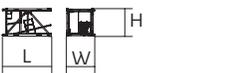
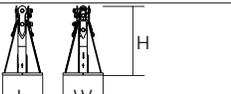
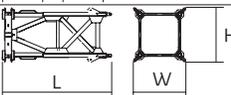
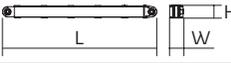
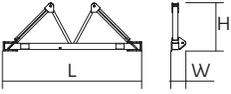
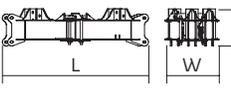
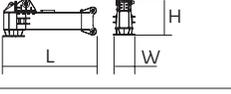
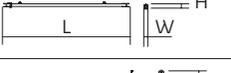
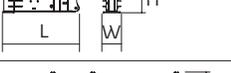
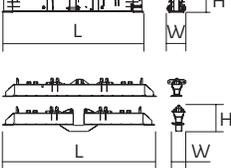


Dimensions and weight

Slewing crane part:  246 ft -  -  -  90 HPL™



Slewing crane part			L (ft)	W (ft)	H (ft)	lb (+/- 5%)	
Counter-jib		Ⓐ	39.4	4.1	8.2	31,107	
			Ⓑ	39.4	4.1	8.2	29,983
			Ⓒ	39.4	4.1	8.2	25,441
Cab mast + cab		Ultra View	16.5	7.3	8.2	14,815	
Towerhead			6.6 ft	9.7	8.1	16,799	
			8 ft	10.7	8.2	19,180	
Hoisting winch (+ rope)		90 HPL™	14	7.5	7.6	9,921	
Jib section		① 6 DVF	35.3	5.9	9	12,015	
Jib section		② ③ ⑤ ⑥ ⑦	33.5	3.9	8.2	6,934	
			33.8	3.9	7.9	5,335	
			33.5	3.9	7.8	3,439	
			33.6	3.9	6.9	2,723	
			33.4	3.9	6	2,094	
Jib section		④ ⑧ ⑨	17.3	3.9	7.8	2,116	
			16.7	3.9	5	683	
			16.7	3.9	4.6	485	
Trolley			6.1	5	3.4	882	
Pulley block			3.9	1.4	7.6	1,003	
Trolley			5.2	5	3.2	463	
Trolley			5.6	5	3.4	540	
				6.1	5	3.2	520
Pulley block			5.4	0.7	5.8	992	
				3.6	0.9	5.3	584

Crane tower			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Telescopic cage T 61 Telescopic cage T 851		▽ 6.6 ft ▽ 8 ft	35.5 36.7	13.6 15.9	14.7 19	21,385 34,723
K 649B KM 649E KRM 6410B KRM 849B K 85/KR 84B2 KM 850.10B KM 850.14B		▽ 6.6 ft ▽ 6.6 ft ▽ 6.6 ft ▽ 8 ft ▽ 8 ft ▽ 8 ft ▽ 8 ft	33.6 33.8 33.6 33.6 33.6 33.9 33.9	6.8 6.7 6.9 8.4 8.3 8.3 8.3	6.7 6.7 6.8 8.3 8.2 8.2 8.2	11,663 10,692 15,653 17,196 21,242 22,201 24,670
K 649A KMT 649A KR 649A KRMT 649A K 849A KMT 849A KR 849A KRMT 849A K 85/KR 84A2 KMT 850.10A KMT 850.14A		▽ 6.6 ft ▽ 6.6 ft ▽ 6.6 ft ▽ 6.6 ft ▽ 8 ft	17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.5 17.5	6.8 6.8 6.9 6.9 8.3 8.4 8.3 8.3 8.4 8.3 8.3 8.3	6.7 6.7 6.8 6.8 8.2 8.3 8.3 8.2 8.3 8.2 8.2 8.2	6,184 5,666 7,165 6,724 7,496 6,945 9,458 9,017 12,236 12,015 13,206
K 649C KMT 649C KRMT 649C KRMT 849C		▽ 6.6 ft ▽ 6.6 ft ▽ 6.6 ft ▽ 8 ft	11.7 11.7 11.7 11.7	6.8 6.8 6.9 8.4	6.7 6.7 6.8 8.3	4,559 4,542 5,401 7,066
Fixing angles		P 63A / P 800B P 854A	2.5 3	2.5 3	4.2 4.9	1,025 2,072
Basic mast unit		V 60A	16.4	7.9	7.9	10,494
Struts		V 60A	14.8	1	1	1,036
Half-bearer		V 60A	22	2.3	7.6	4,057
Central cross (transport position)		JM 850	17.1	5.6	4.9	14,771
Basic mast unit		JM 850	28.7	8.2	8.2	32,187
Chassis girder		JM 850	17.1	3	5.1	7,055
Chassis ties		JM 850	23.6	0.8	1.1	551
Struts		JM 850	26.9	2.5	4.3	5,071
1/2 Cross girder		ZX 640 ZY 800 ZY 854	14.3 18.6 18.7	3.3 3.2 3.2	5.1 6.3 7.4	7,319 10,406 14,176
Cross girder		ZX 640 ZY 800 ZY 854 ZX 6830	30 39.2 39 29.9 29.9	3.9 4.6 4.7 3.7 2.5	5.1 6.3 7.4 3.6 4.9	15,168 22,212 30,865 11,607 12,004

Mechanisms

480 V - 60 Hz													hp	kW	
	90 HPL™ 30	fpm	176	228	326	469	723	90	120	172	244	361	90	66	2,772 ft
		USt	6.6	5	3.3	1.7	0.2	13.2	9.9	6.6	3.3	0.9			
	6 DVF 6 Optima	fpm	0 → 138 (13.2 USt) 0 → 276 (8.8 USt) 0 → 328 (4.4 USt)									5.5	4		
	RVF 172 Optima+	rpm	0 → 0.9									2 x 10	2 x 7.5		

IEC 60204-32		
480 V (+6% -10%) 60 Hz	90 HPL™: 96 → 60 kVA	

These most 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.

