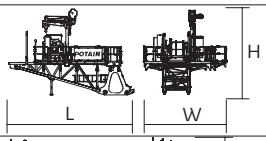
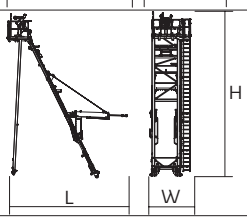
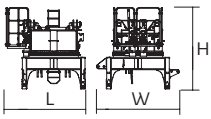
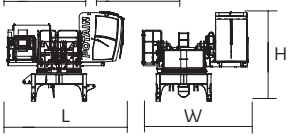
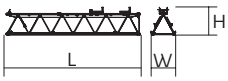
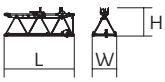
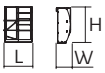
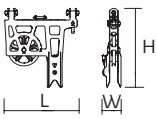
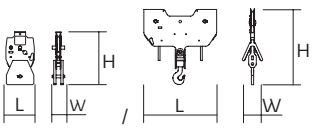
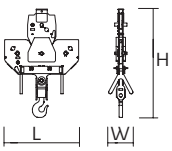
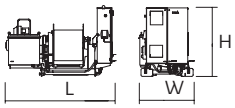
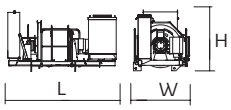
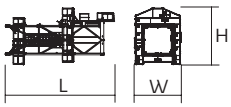
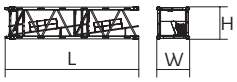
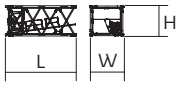
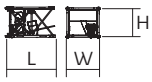
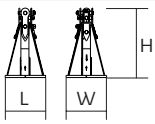
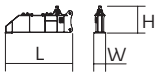
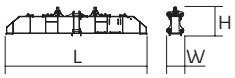
Dimensions and weight

Slewing crane part: 197 ft - - 90 HPL™

x 7

x 6

Slewing crane part		L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib	 100 VVF	28.3	16.5	19.3	24,482
Strut		23.6	9	37.8	14,440
Cab	Ultra View	17.1	6.4	8.2	4,079
Towerhead	 8 ft	10.3	10.6	10.5	23,810
		17.1	15.7	13.2	27,889
Jib section	①	19.3	7.2	6.1	3,086
	 ② ⑤ ⑥ ⑦	33.4 33.4 33.4 31	6.2 6 6 6	6.9 6.6 6.6 6.6	3,086 2,866 2,756 3,086
	 ③ ④	17 17	6 6	6.9 6.6	2,116 1,521
		5.9	5.1	7.4	959
Jib nose inspection platform		4.7	2.5	6	187
Pulley block		4.1	1	4.4	342
		2 5.3	0.9 1.5	3.8 5.6	805 915
		5.3	1.5	7.8	1,720

Hoisting winch (+ rope)		90 HPL™ 132 HPL™	8.4 11.1	4.3 5.7	5.6 6.3	5,875 11,552
Luffing winch (+ rope)		100 VVF	10.6	5.5	5.9	7,948
Crane tower			**L (ft)**	**W (ft)**	**H (ft)**	**lb** (+/- 5%)
T 851		⊡8 ft	36.7	15.9	19	34,723
KRM 849B K 85/KR 84B2 KM 850.10B KM 850.14B		⊡8 ft	33.6 33.6 33.9 33.9	8.4 8.3 8.3 8.3	8.3 8.2 8.2 8.2	17,196 21,242 22,201 24,670
K 849A KMT 849A KR 849A KRMT 849A K 85/KR 84A2 KMT 850.10A KMT 850.14A		⊡8 ft	17.2 17.2 17.2 17.2 17.2 17.5 17.5	8.3 8.4 8.3 8.4 8.3 8.3 8.3	8.2 8.3 8.2 8.3 8.2 8.2 8.2	7,496 6,945 9,458 9,017 12,236 12,015 13,206
KRMT 849C KMT 850.10C		⊡8 ft	11.7 12	8.4 8.3	8.3 8.2	7,066 9,326
Fixing angles		P 63A / P 800B P 854A	2.5 3	2.5 3	4.2 4.9	1,025 2,072
1/2 Cross girder		ZY 800 ZY 854	18.6 18.7	3.2 3.2	6.3 7.4	10,406 14,176
Cross girder		ZY 800 ZY 854	39.2 39	4.6 4.7	6.3 7.4	22,212 30,865

Mechanisms

480 V - 60 Hz													hp	kW	
	90 HPL™ 40	fpm	133	174	249	366	548	69	90	130	190	274	90	66	1,768 ft
		USt	8.8	6.6	4.4	2.2	0.6	17.6	13.2	8.8	4.4	1.5			
	132 HPL™ 40	fpm	198	259	363	525	671	102	135	189	269	336	132	98	3,740 ft
		USt	8.8	6.6	4.4	2.2	0.8	17.6	13.2	8.8	4.4	2			
	100 VVF 50		2 min										100	75	
	RVF 172 Optima+	rpm	0 → 0.8										2 x 10	2 x 7.5	

IEC 60204-32	kVA	
480 V (+6% -10%) 60 Hz	90 HPL™ + 100 VVF: 171 → 95 kVA 132 HPL™ + 100 VVF: 205 → 112 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
- Potain Plus function: Plus load curves
- Hook heights with Plus load curves
- Reactions in service
- Reactions out of service
- Jib weight
- Total ballast weight
- Jib articulation axis
- Weathervaning 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

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