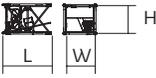
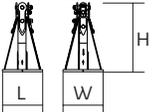
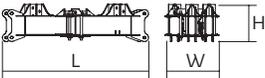
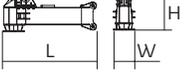
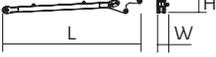
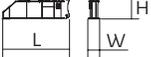
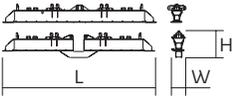


Dimensions and weight

Slewing crane part:  197 ft -  180 HPL™



Slewing crane part		L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib (+ Grab rail + Platform)		21.1	20.8	6.9	9,270
Strut		9.6	7.7	38.8	12,670
Cab	Ultra View	14.5	6.5	8.2	3,616
Towerhead	8 ft	10.1	10.7	11.1	23,082
Jib section	①	31.6	6.9	7.4	6,001
Jib section	② ③ ④ ⑤ ⑥	34.6 34.5 34.5 34.5 34.3	6.2 6.2 6.2 6.2 6.2	7.4 6.6 6.6 6.6 7.9	2,894 3,150 2,674 2,332 4,385
Jib section	④A	17.6	6.2	6.6	1,577
Pulley block		2.9 5.1	1.8 1.5	8.4 8.2	2,601 1,521
Hoisting winch (+ rope)	180 HPL™ 320 LVF	16.1 18.4	7.5 7.1	6.3 7.8	22,630 31,063
Luffing winch (+ rope)	150 VVF	16	5.6	7.1	10,880
Rear left derrick arm (+ auxiliary winch + pulley block)		7.8	3.4	4.3	1,356
Front left derrick arm LWH		11.5	1.4	1.6	419
Articulated derrick arm		13.8	1	1.8	694
Derrick support		6.5	3.6	7.4	1,477

Crane tower		L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Telescopic cage T 851		36.7	15.9	19	34,723
K 85/KR 84B2 KRM 849B KM 850.10B KM 850.14B K 85/KR 84A2 KMT 849A KRMT 849A K 849A KR 849A KMT 850.10A KMT 850.14A		33.6 33.6 33.9 33.9 17.2 17.2 17.2 17.2 17.2 17.2 17.5 17.5	8.3 8.4 8.3 8.3 8.3 8.4 8.4 8.3 8.3 8.3 8.3 8.3	8.2 8.3 8.2 8.2 8.2 8.3 8.3 8.2 8.2 8.2 8.2 8.2	21,242 17,196 22,201 24,670 12,236 6,945 9,017 7,496 9,458 12,015 13,206
KRMT 849C		11.7	8.4	8.3	7,066
Fixing angles		2.5 3	2.5 3	4.2 4.9	1,025 2,072
Central cross (transport position)		17.1	5.6	4.9	14,771
Basic mast unit		28.7	8.2	8.2	32,187
Chassis girder		17.1	3	5.1	7,055
Chassis ties		23.6	0.8	1.1	551
Struts		26.9	2.5	4.3	5,071
1/2 Cross girder		18.6 18.7	3.2 3.2	6.3 7.4	10,406 14,176
Cross girder		39.2 39	4.6 4.7	6.3 7.4	22,212 30,865
		29.9 29.9	3.7 2.5	3.6 4.9	11,607 12,004

Mechanisms

480 V - 60 Hz													hp	kW	
	180 HPL™ 120	fpm	184	226	302	476	689	92	113	153	243	344	180	132	1,811 ft
		USt	13.2	9.9	6.6	3.3	1.7	26.5	19.8	13.2	6.6	3.5			
	320 LVF 120 Optima	fpm	331	427	581	797	833	166	213	312	400	417	320	240	2,710 ft
		USt	13.2	9.9	6.6	4.2	3.3	26.5	19.8	13.2	9.9	8.4			
	150 VVF 56		1 min 15 s									150	110		
	RVF 162 Optima +	rpm	0 → 0.9									2 x 7.5	2 x 5.5		

IEC 60204-32	kVA
480 V (+6% -10%) 60 Hz	180 HPL™ + 150 VVF: 278 → 146 kVA 320 LVF + 150 VVF: 390 → 202 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
- Reactions in service
- Reactions out of service
- Jib weight
- Total ballast weight
- Jib articulation axis
- Weather vaning 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.

