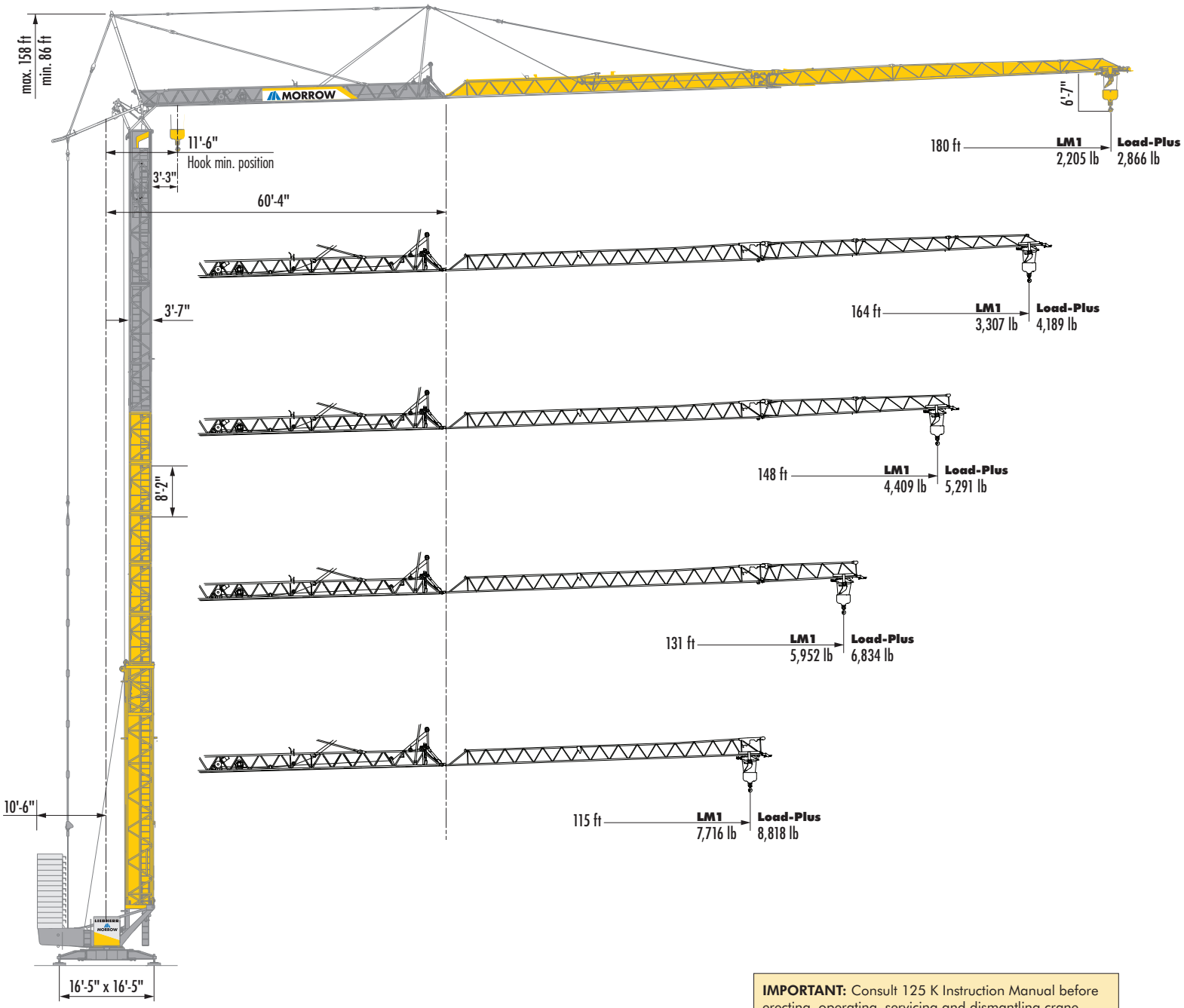
125 K

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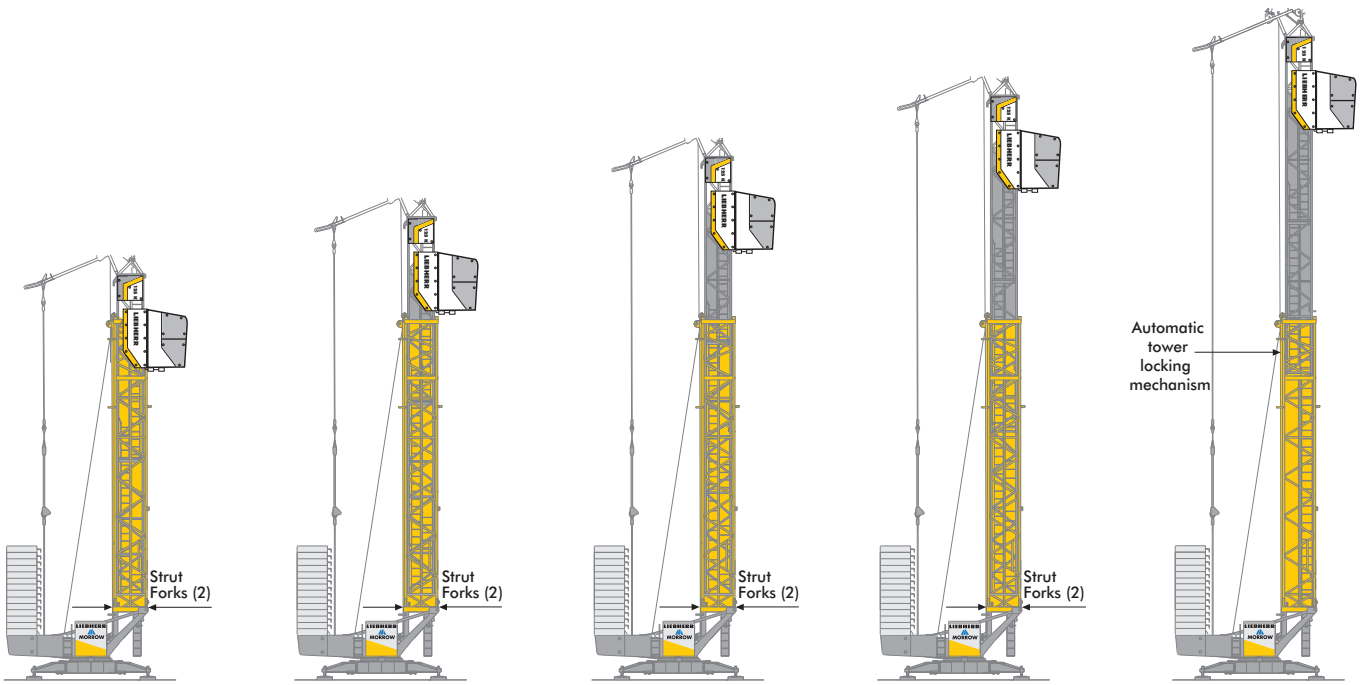
LIEBHERR Fast-Erecting Tower Crane



IMPORTANT: Consult 125 K Instruction Manual before erecting, operating, servicing and dismantling crane.

Tower Configurations

The highly adaptable **125 K fast-erecting crane,** with 10 hook heights for added flexibility and functionality. The graphic on this and the adjoining page illustrates the 10 tower configurations, starting with tower fully retracted and supported by the strut forks **(Configuration 1)**, three intermediate positions supported by the strut forks **(Configurations 2-4)** and with tower completely extended, supported by the automatic tower locking mechanism **(Configuration 5)**.



Configuration 1
With tower fully retracted **63 ft** hook height.

Configuration 2
With tower at intermediate position **71 ft** hook height. Requires one additional tower section.

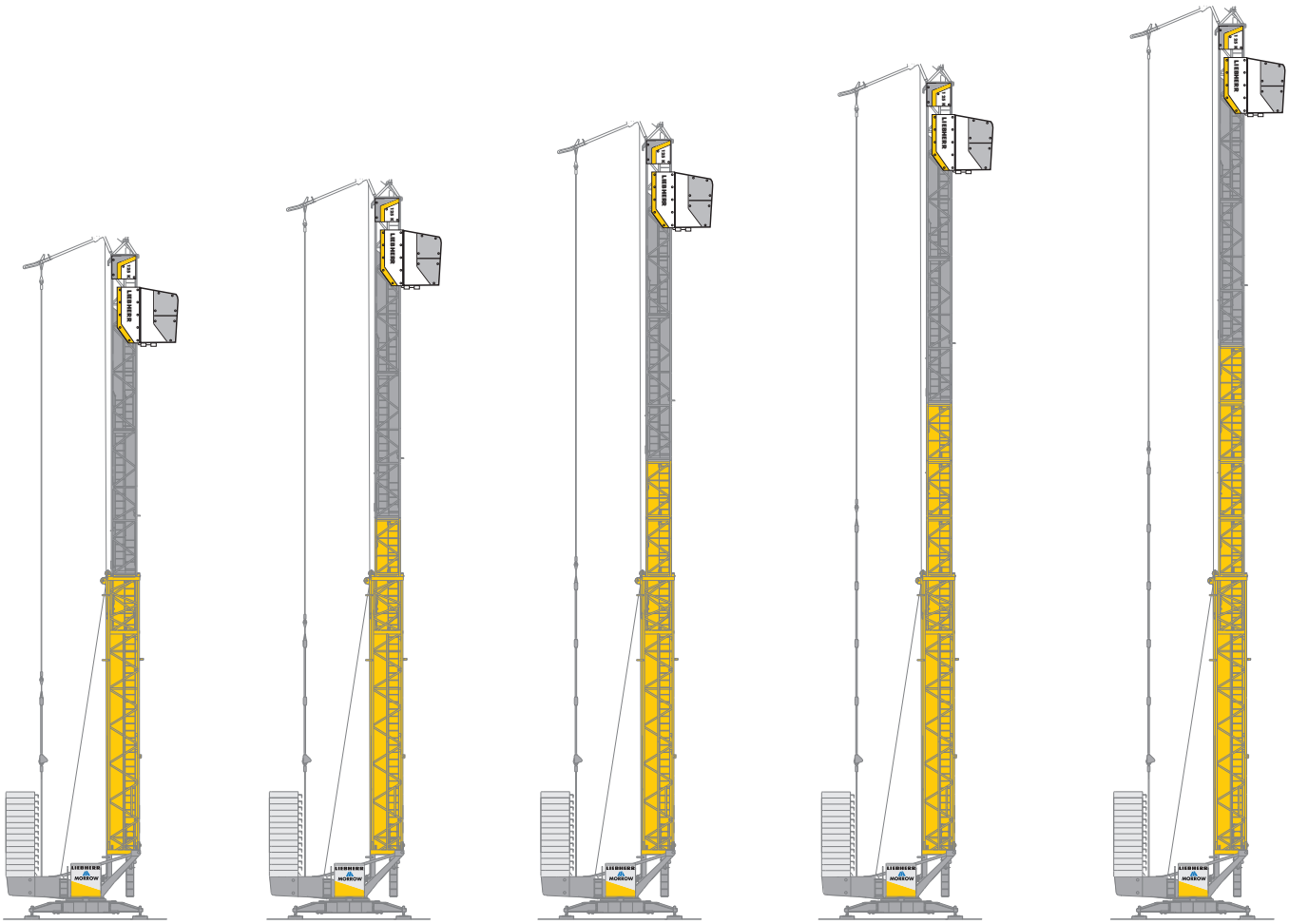
Configuration 3
With tower at intermediate position **79 ft** hook height. Requires two additional tower sections.

Configuration 4
With tower at intermediate position **87 ft** hook height. Requires three additional tower sections.

Configuration 5
With tower fully extended **97 ft** hook height.

Tower Configurations

With tower completely extended, the crane user can add up to 5 tower sections (some restrictions exist).
Ten tower configurations provide a hook height range of **63 ft** to **136 ft**.



Configuration 6
With one tower section
105 ft hook height.

Configuration 7
With two tower sections
113 ft hook height.

Configuration 8
With three tower sections
120 ft hook height.

Configuration 9
With four tower sections
128 ft hook height.

Configuration 10
With five tower sections
136 ft hook height.

NOTE: Guying shown is for illustrative purposes only and may not indicate actual connections required. See 125 K Instruction Manual for more information.

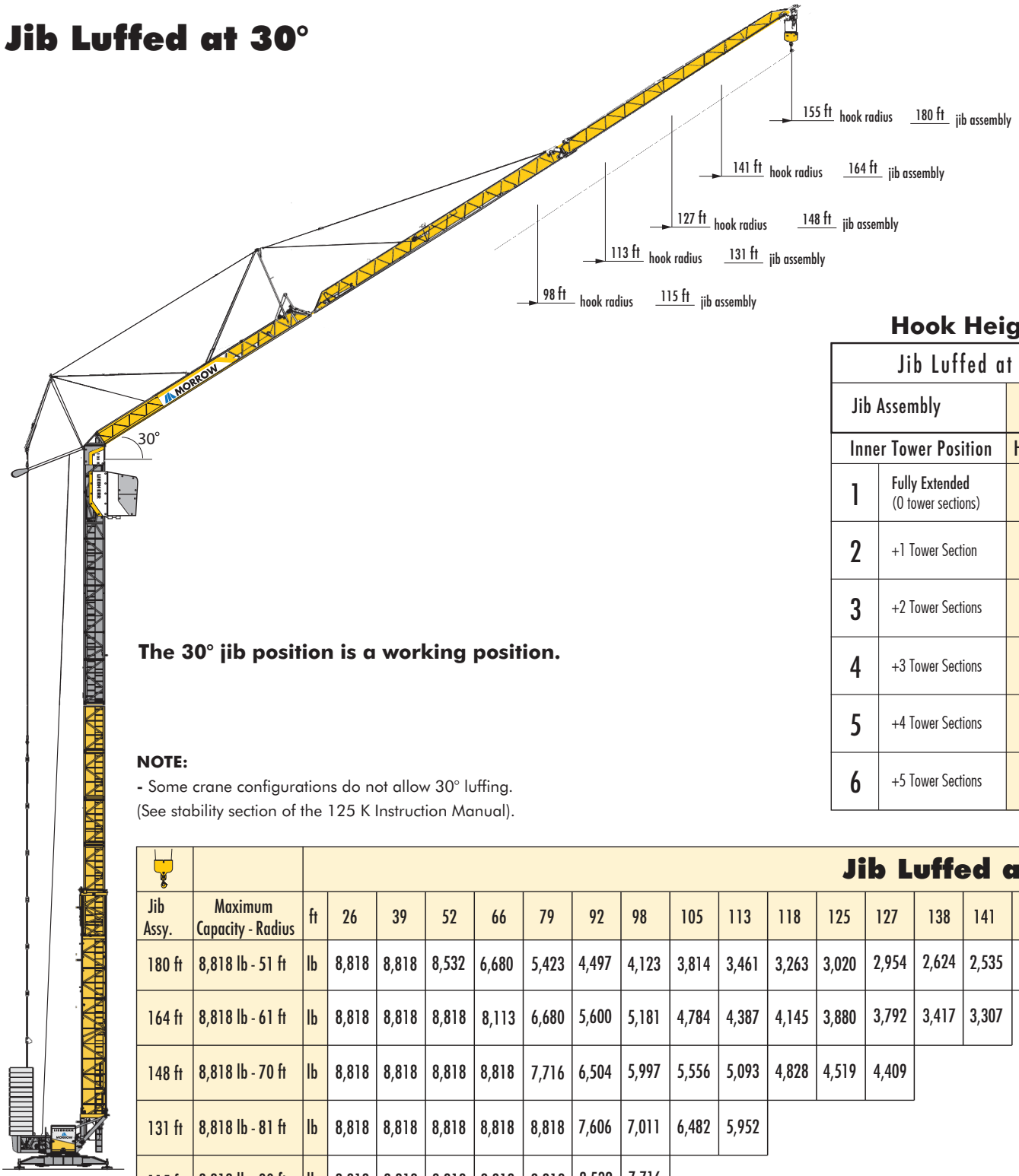
Radius and Capacities

		LM 1																
Hook Radius	Maximum Capacity - Radius	ft	26	39	52	66	79	92	105	115	125	131	138	148	157	164	171	180
180 ft	17,637 lb - 29 ft	lb	17,637	13,250	9,943	7,848	6,415	5,379	4,586	4,101	3,704	3,461	3,241	2,954	2,690	2,535	2,403	2,205
164 ft	17,637 lb - 34 ft	lb	17,637	15,366	11,751	9,436	7,804	6,614	5,710	5,137	4,674	4,387	4,123	3,792	3,483	3,307		
148 ft	17,637 lb - 40 ft	lb	17,637	17,637	13,647	10,913	9,017	7,650	6,592	5,952	5,401	5,093	4,806	4,409				
131 ft	17,637 lb - 48 ft	lb	17,637	17,637	15,984	12,743	10,516	8,907	7,694	6,945	6,327	5,952						
115 ft	17,637 lb - 53 ft	lb	17,637	17,637	17,637	14,242	11,729	9,921	8,554	7,716								

		Load-Plus*																
Hook Radius	Maximum Capacity - Radius	ft	26	39	52	66	79	92	105	115	125	131	138	148	157	164	171	180
180 ft	17,637 lb - 29 ft	lb	17,637	13,933	10,913	8,885	7,430	6,349	5,512	4,982	4,542	4,277	4,034	3,704	3,417	3,241	3,086	2,866
164 ft	17,637 lb - 34 ft	lb	17,637	15,807	12,677	10,516	8,951	7,738	6,790	6,195	5,688	5,379	5,093	4,718	4,387	4,189		
148 ft	17,637 lb - 40 ft	lb	17,637	17,637	14,286	11,817	10,009	8,664	7,584	6,923	6,349	6,019	5,710	5,291				
131 ft	17,637 lb - 48 ft	lb	17,637	17,637	16,270	13,426	11,354	9,811	8,598	7,848	7,209	6,834						
115 ft	17,637 lb - 53 ft	lb	17,637	17,637	17,637	14,859	12,632	10,957	9,634	8,818								

*Load-Plus is not standard and is available at an additional cost. Increases the lifting capacity with restrictions including wind speeds, reduced drive speeds and single function only operation. Please request pricing from your local Sales.

Jib Luffed at 30°



The 30° jib position is a working position.

NOTE:
- Some crane configurations do not allow 30° luffing.
(See stability section of the 125 K Instruction Manual).

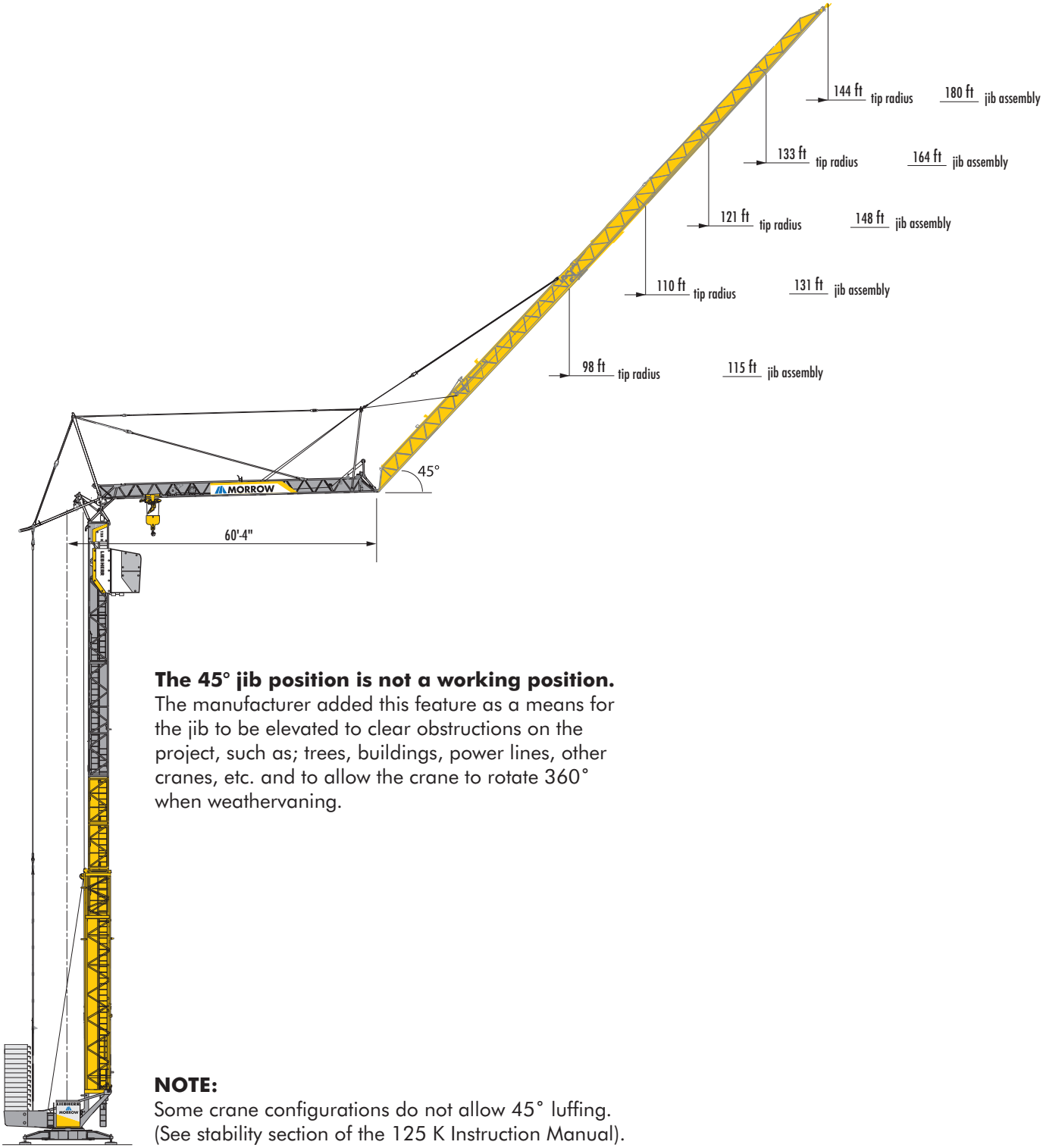
Hook Heights

Jib Luffed at 30°		
Jib Assembly		180 ft
Inner Tower Position		Hook Heights
1	Fully Extended (0 tower sections)	176 ft
2	+1 Tower Section	183 ft
3	+2 Tower Sections	191 ft
4	+3 Tower Sections	199 ft
5	+4 Tower Sections	207 ft
6	+5 Tower Sections	215 ft

Jib Luffed at 30°

Jib Assy.	Maximum Capacity - Radius	ft	26	39	52	66	79	92	98	105	113	118	125	127	138	141	151	155
180 ft	8,818 lb - 51 ft	lb	8,818	8,818	8,532	6,680	5,423	4,497	4,123	3,814	3,461	3,263	3,020	2,954	2,624	2,535	2,293	2,205
164 ft	8,818 lb - 61 ft	lb	8,818	8,818	8,818	8,113	6,680	5,600	5,181	4,784	4,387	4,145	3,880	3,792	3,417	3,307		
148 ft	8,818 lb - 70 ft	lb	8,818	8,818	8,818	8,818	7,716	6,504	5,997	5,556	5,093	4,828	4,519	4,409				
131 ft	8,818 lb - 81 ft	lb	8,818	8,818	8,818	8,818	8,818	7,606	7,011	6,482	5,952							
115 ft	8,818 lb - 90 ft	lb	8,818	8,818	8,818	8,818	8,818	8,532	7,716									

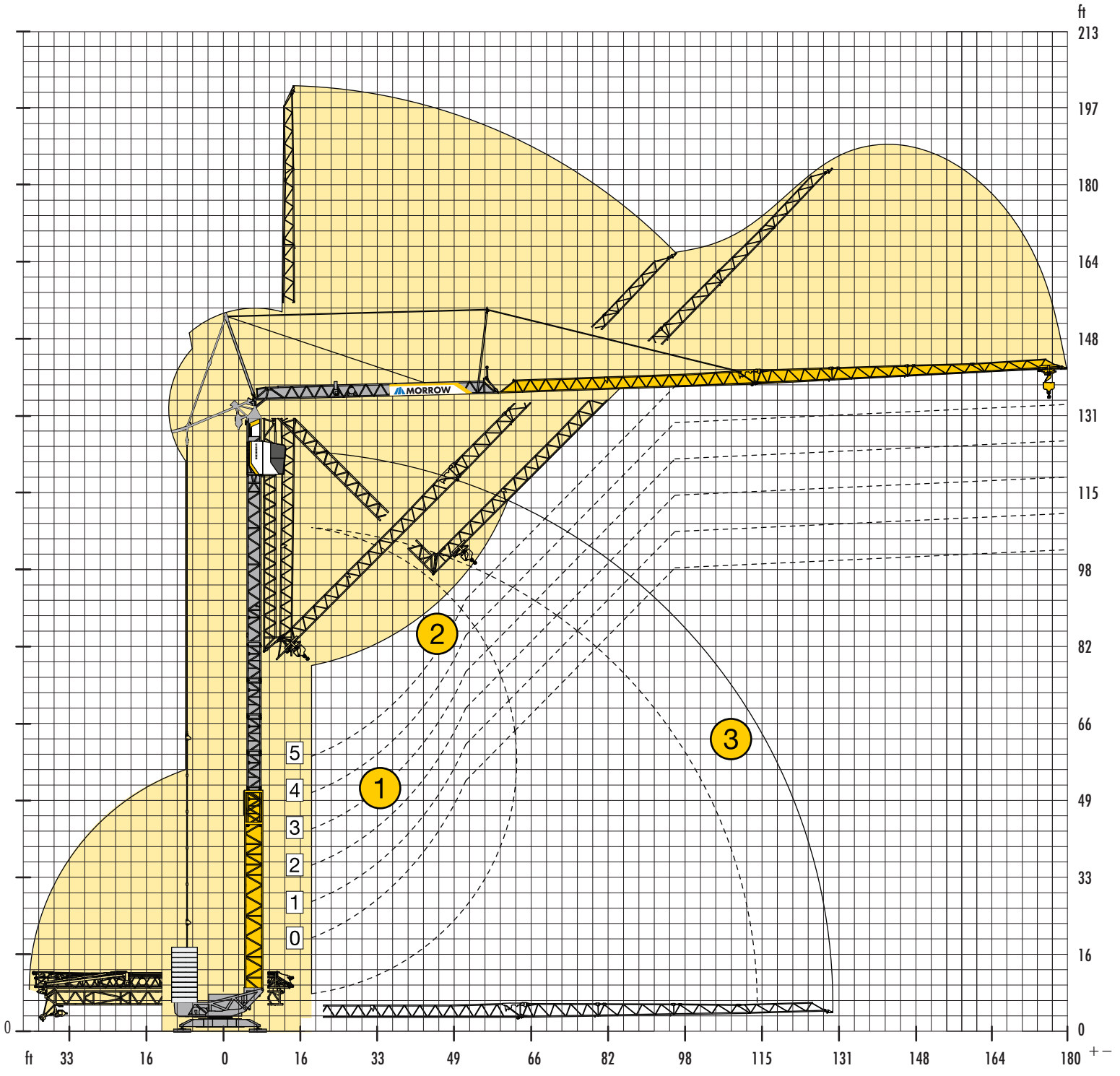
Jib Tip Clearances at 45°



The 45° jib position is not a working position.
The manufacturer added this feature as a means for the jib to be elevated to clear obstructions on the project, such as; trees, buildings, power lines, other cranes, etc. and to allow the crane to rotate 360° when weathervaning.

NOTE:
Some crane configurations do not allow 45° luffing. (See stability section of the 125 K Instruction Manual).

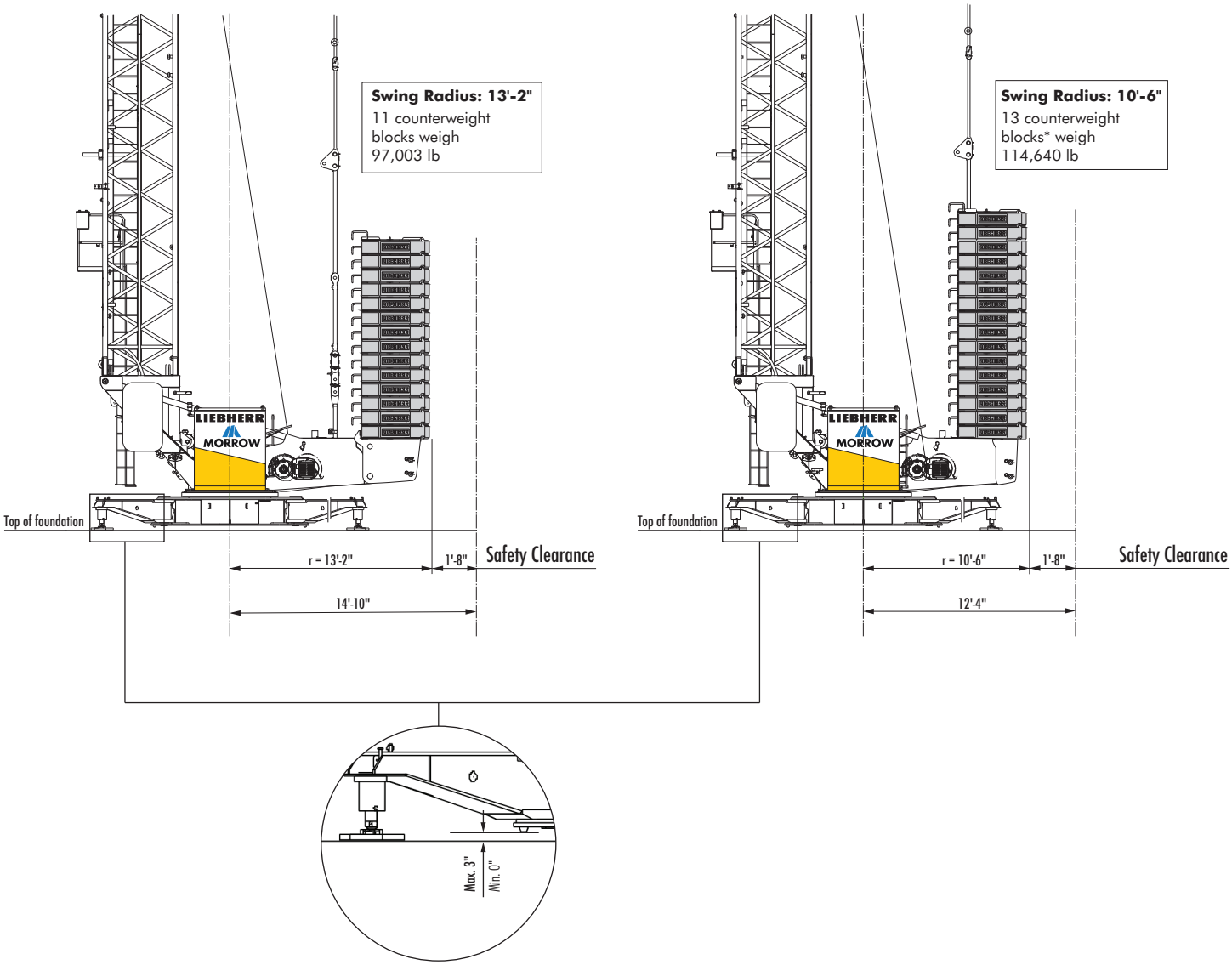
Erecting Clearances



① Standard erecting curves from 0 to 5 tower sections.
② Elevated erecting curve (+14'-9") using the example of 5 tower sections.
③ Erecting curve 180 ft radius.

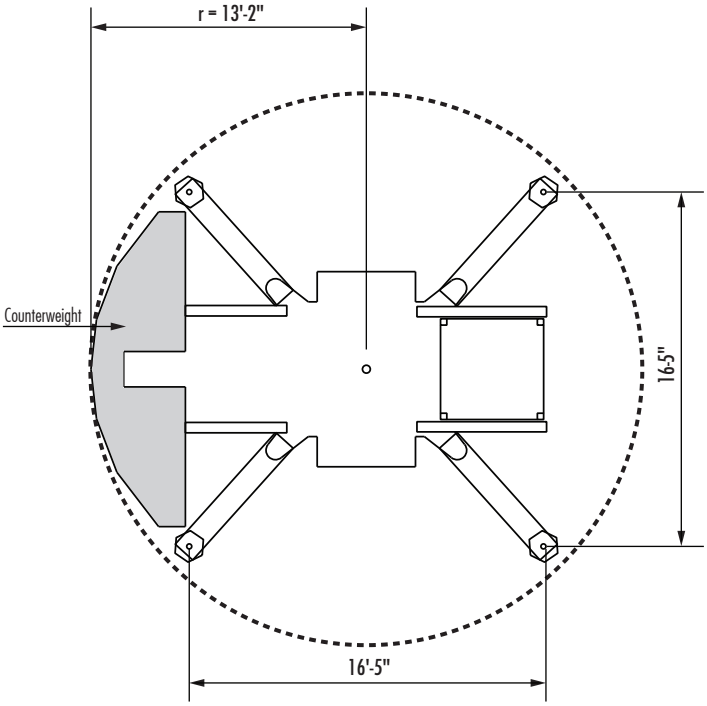
IMPORTANT: Consult 125 K Instruction Manual before erecting, operating, servicing and dismantling crane.

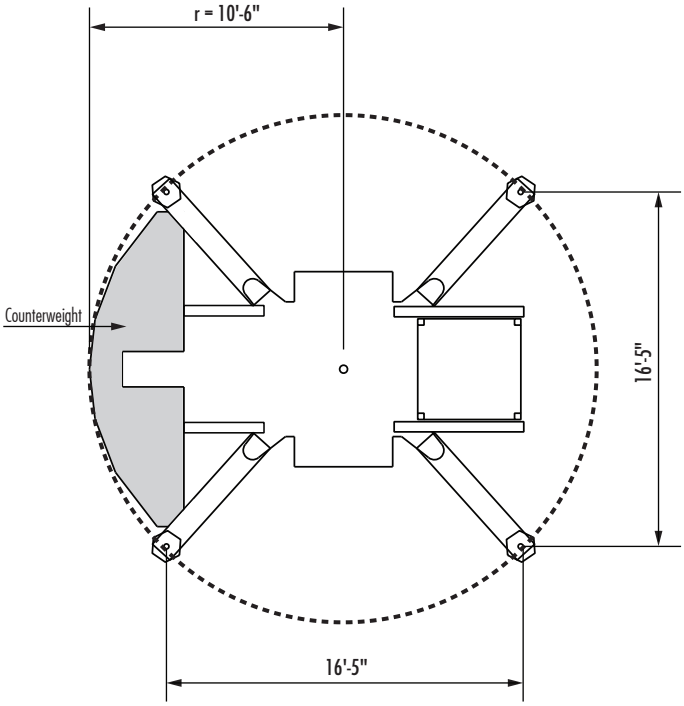
Counterweight and Clearances

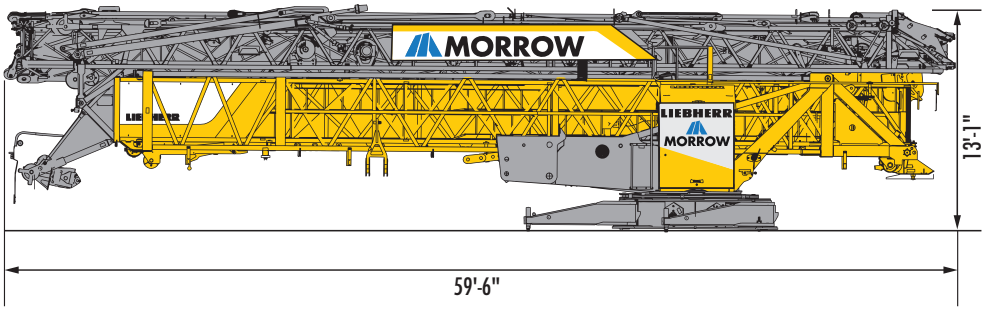


Counterweight Type	Counterweight Weight	Swing Radius	Quantity + Total Weight
Concrete Block	8,818 lb	13'-2"	11 blocks = 97,003 lb
		10'-6"	13 blocks = 114,640 lb

Swing Radius







56,879 lb

Hoist Speed and Capacity

Hoist Drive WiW 220 MZ 402	2-Part Line	
	Speed	Capacity Hook Speed
24 hp (18 kW) AC hoist unit Variable frequency drive (VFD) Single-speed gearbox	1	17,637 lb @ 39 ft/min 1,213 lb @ 218 ft/min

Drive Information

Drive Unit (VFD)	Horsepower	Kilowatts	Speed
Trolley	5	3.7	0 - 233 ft/min
Swing	6.7	7.5	0.8 rpm
Luffing	4	4.0	0° - 45° in 105 secs.

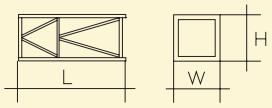
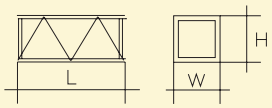
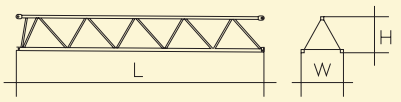
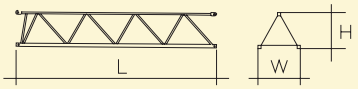
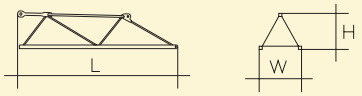
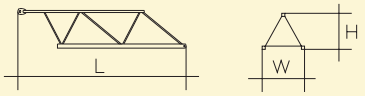
Power Requirements

Power supply: 3-phase 480 V, 60 Hz; 3-wire plus ground; no Neutral;
480 V phase-phase, 277 V each phase to ground with 120° phase shift between phases;
Service size: 60 Amperes

NOTES:
1. For electric power provided by an electric utility, do not use open Delta transformers.
2. For electric power provided by a generator, the minimum generator size required is 50kW. Verify the generator provided is suitable for use with variable frequency drives (VFDs). A properly sized generator is critical to the safe operation of the crane.

Specifications subject to change without prior notice. For additional information, contact MORROW.

Components

Description	Dimensions L x W x H	Weight
Tower section with climbing support 	8'-2" x 3'-7" x 3'-1"	1,874 lb
Tower section without climbing support 	8'-2" x 3'-7" x 3'-1"	1,433 lb
Jib extension 115 ft to 131 ft radius 	18'-0" x 3'-1" x 3'-5"	728 lb
Jib extension 131 ft to 148 ft radius 	17'-1" x 3'-1" x 3'-1"	441 lb
Jib extension 148 ft to 164 ft radius 	17'-1" x 3'-1" x 2'-5"	353 lb
Jib extension 164 ft to 180 ft radius 	19'-2" x 3'-1" x 2'-2"	287 lb

NOTE: Weights and dimensions are approximate. Scale components before lifting. Consult 125 K Instruction Manual before erecting, operating, servicing and dismantling crane.

Specifications are subject to change without prior notice. Drawings shown in this datasheet are for illustrative purposes only. Refer to the 125 K Instruction Manual. For additional information, contact MORROW. All rights reserved.