

More power, more range, more convenience.

81 K.1 65 K.1



Technical data	81 K.1	65 K.1
Max. lifting capacity	6,000 kg	4,500 kg
Max. radius	48 m	43 m
Max. lifting capacity at the jib head	1,350 kg	1,350 kg

LIEBHERR

Courtesy of Crane.Market

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A powerful complete package

Since its introduction in 2010 the 81 K fast-erecting crane has been synonymous with strong performance, good design and reliability. The new generation of the 81 K.1 and 65 K.1 cranes provides even more options for extremely flexible and adaptable use on your site. With its jib extension, the 81 K.1 can reach radii of up to 48 m quickly and easily. The Load-Plus function enables you to increase load capacity by up to 20% at the touch of a button. The modular cabin rounds off the complete package of flexibility.

Configure your crane to meet your specific requirements on the site. In addition to these options, the 81 K.1 and 65 K.1 continue to provide their familiar benefits such as Micromove and Speed 2 Lift.



Clear view

The external cabin makes the new cranes even more flexible. The cabin can be installed quickly and easily when required. Access is easy and safe. Due to its external position, the crane driver has a perfect view of the site. The new cabin with its ergonomic controls provides the crane driver with plenty of space and enables him to work efficiently without fatigue. That enables you to increase capacity and safety on site.



Even further out

The rope kinematics of K cranes enables the jib to be adapted with no great effort. Using the jib extension on the 81 K.1 you can reach a radius of 48 m and 43 m on the 65 K.1. In combination with the compact slewing radius, this provides a very large range.



Load-Plus – Hoist more at the touch of a button

Using the new Load-Plus function you can increase your load capacity by up to 20% at the touch of a button by reducing the crane speeds.

In concrete terms this means 1,700 kg at 45.0 m radius (81 K.1) or 40.0 m radius (65 K.1). This makes the 81 K.1 and the 65 K.1 flexible cranes with outstanding handling capacities. This means there is no need to call for another larger crane for individual heavyweight hoists.

Durable and reliable

Modern LED site lamps enable you to continue working in darkness.



Flexible CC ballast

Raise 1 or 2 ballast slabs with a single hoist, saving you time and money.



Variable slewing radius

By reducing the slewing radius, the crane's footprint can be reduced by more than 35%.



Habitually good – the K series



Speed2Lift

Fast and powerful with pure 2-rope operation: Full handling capacity with the maximum possible hoist speed at all times.

Rapid climbing

Up to 6 tower sections can be inserted in the 81 K.1 to reach hook heights of up to 40.4 metres.

Micromove

Hoisting and lowering are reduced to micro-speed at the touch of a button. Without engaging the hoist gear brake, this enables even very heavy loads to be held and positioned very accurately.

Oscillation damping system

High-speed slewing movements can cause load to swing. The integral oscillation damping system compensates these jib movements and therefore ensures that the load can be moved smoothly.

Wind force moment control

Wind effects every crane movement. Sensitive sensors measure undesirable movements and automatically compensate for them. This means that even large area loads (for example shuttering panels) can be moved precisely even in wind.

Operating-range limiting system ABB

The operating-range limiting system makes it possible to prevent over-slewing safety-critical areas (for example rail tracks) with a simple teach-in process. This increases operational safety and relieves the strain on the crane driver.

81 K.1

Maximum lifting capacity	6,000 kg
Lifting capacity at the jib head	1,350 kg
Maximum radius	48.0 m
Slewing radius	2.75 m / 3.50 m
Hook heights	
Tower retracted	17.4 m
Tower extended	26.0 m
6 tower sections inserted	40.4 m
30° raised jib position	55.0 m

65 K.1

Maximum lifting capacity	4,500 kg
Lifting capacity at the jib head	1,350 kg
Maximum radius	43.0 m
Slewing radius	2.55 m / 3.20 m
Hook heights	
Tower retracted	15.6 m
Tower extended	22.6 m
5 tower sections inserted	34.6 m
30° raised jib position	49.3 m