



Manitowoc launches another big Potain crane from its China factory

IMAGE SOURCE: Manitowoc

Manitowoc launches another big Potain crane from its China factory

1 May 2025 by Manitowoc

- Manitowoc has launched the Potain MCR 815 luffing jib crane from its Zhangjiagang, China factory, with a maximum capacity of 64 t.
- The crane features a 70 m jib that can be luffed to an out-of-service radius of just 16 m, making it suitable for congested jobsites.
- A new powerful winch offers line speeds of up to 185 m/min with a 2.3 t load, enhancing operational efficiency.

- The MCR 815 can lift its maximum capacity of 64 t between 7 m and 19.5 m working radius when fitted with a 60 m jib.
- The crane's design includes a 10 m counterjib that can accommodate 72.9 t of counterweight, and it can reach a freestanding height of up to 65.6 m with certain jib configurations.
- The development of the MCR 815 was driven by Manitowoc's Voice of the Customer (VOC) process and the growing demand for large luffing jib cranes on infrastructure projects.
- The Potain MCR 815 luffing jib crane has a 64 t maximum capacity – twice that of the current largest luffing jib crane from the Company's Zhangjiagang, China factory.
- The 70 m jib can be luffed to an out-of-service radius of just 16 m, making it ideal for congested jobsites.
- A powerful new winch offers line speeds of up to 185 m/min with a 2.3 t load.

Manitowoc is launching another range-topping tower crane from its factory in China: the Potain MCR 815. Its maximum capacity of 64 t is double that of the plant's current largest luffing jib crane, the 32 t capacity MCR 625. The development of the new crane was driven by Manitowoc's Voice of the Customer (VOC) process and growing demand for large luffing jib cranes on infrastructure projects such as bridges, nuclear power plants, and high-rise buildings.

When rigged in three-fall reeving, the MCR 815's maximum capacity can be lifted between 4.5 m and 18 m working radius when fitted with a 30 m jib. It can also lift its maximum 64 t between 7 m and 19.5 m working radius when fitted with a 60 m jib. In this configuration, it can still lift 7.5 t at its jib end. When fitted with all nine jib sections to create the maximum 70 m, the crane will lift tip loads of up to 7 t with single-fall reeving. For heavy-duty lifting, such as handling large precast elements, the crane will raise an impressive 34 t at the end of a 30 m jib in two-fall reeving.

The crane's strong lifting duties necessitated a new precise and rapid hoist winch. The 280 LVFC 213 can accommodate up to 831 m of rope and has a 212 kW motor, producing line speeds from 62 m/min with a 6.9 t load (in three-fall reeving) to 185 m/min with a 2.3 t payload (in single-fall reeving). There's also a power control option that links to the hoist and other mechanisms, enabling the crane to operate with lower power

for greater efficiency. It's an option particularly well-suited to the early stages of a project when less heavy lifting is required. The 110 kW-rated 150 VVFC 90 luffing hoist can raise the jib from its minimum to maximum angle in just 2 minutes and 20 seconds.



Manitowoc launches another big Potain crane from its China factory

IMAGE SOURCE: Manitowoc

The MCR 815 has a 10 m counterjib that can accommodate 72.9 t of counterweight. Its out-of-service radius ranges from 18.25 m to just 16 m (depending on jib length), allowing it to be installed on sites with limited space. When using jib configurations between 30 m and 50 m, the maximum free standing height is 65.6 m, while for jib configurations up to 70 m, the new luffer can be erected to a freestanding height of 60.6 m. When tied to a building, it needs just four anchoring frames to reach 205.6 m with a 65 m jib, or 230.6 m with only five anchorage frames and with a 70 m jib (for an FEM1.001 wind profile).

“High-profile contractors and large rental houses across Asia and emerging markets will be able to complete large projects faster with the new Potain MCR 815,” said Leong Kwong-Joon, regional product manager for tower cranes at Manitowoc. “But despite the impressive size of the new crane, we were also able to harness design architecture from our recent MCR 305 model to ensure we deliver a crane that offers the transport and assembly benefits that customers love with Potain cranes.”

Source: Manitowoc

CRANES

TOWER CRANES