

TOWER CRANE FACT SHEET

HOW TALL IS THE CRANE?

The tower crane is approximately 52 metres tall.

HOW MUCH CAN THE CRANE LIFT?

The crane can carry up to 12 tonne at the base and 2.3 tonne at the tip. The crane is anticipated to lift up to approximately 90 loads per day and the hook can travel speeds of up to 100 metres per minute.

HOW FAR CAN THE CRANE REACH?

The crane can reach up to 75 metres away from the base.

WHAT WILL THE CRANE BE LIFTING ON THE LIVERPOOL HOSPITAL SITE?

The crane will be used to build the new hospital tower and will unload trucks and move materials around the site. This includes the lifting of materials required to build the structure including scaffolding, formwork, concrete reinforcement, structural steel, finishes material such as plasterboard along with a wide variety of building materials.

HOW LONG WILL THE TOWER CRANE BE IN LIVERPOOL?

The tower crane will be a feature of the Liverpool skyline until early 2023.

WHO CAN OPERATE THE CRANE?

The crane operator must obtain a high-risk work licence in NSW. The operator is supported by a 'dogman' who directs the crane driver via two-way radio communication. The dogman is required to secure the load to the hook of the crane and direct it into the air and safely lower down the load to required location.

HOW DOES THE CRANE OPERATOR GET TO THE TOP?

The crane operator will climb the tower by ladder to reach the crane's cabin and operate from the top of the crane. For operator safety, the weather forecast is closely monitored to ensure the crane is not used during periods of high winds, heavy rain and thunderstorms.

HOW DOES THE CRANE GET TO LIVERPOOL?

The crane is delivered to the site in smaller parts on trucks, which are lifted up by a mobile crane. The crane is assembled in the air and commissioned safely on the construction site. The 30m³ concrete crane base is prepared prior to the crane's arrival to site.

THANK YOU FOR YOUR PATIENCE AS WE BUILD THE LIVERPOOL HEALTH AND ACADEMIC PRECINCT