

Self-Erecting Mobile Tower Crane

It is believed that there are three variations of the self-erecting tower crane available in the UK at the time of writing (June 2006):-

- 4 axle which can lift 8 tons at 12.7m and 2.1 tons at 40m radius
- 5 axle which can lift 9 tons at 13m and 1.9 tons at 50m radius
- 6 axle which can lift 10 tons at 13m and 1.7 tons at 60m radius

Advantages

- Speed of erection, takes about 45 minutes to set up.
- Major advantage is that no stand off distance is required so the crane can fit in close to adjacent structures compared with a normal mobile crane.
- The driver is competent to work both the delivery wagon and the crane
- The driver has a far better view of the lifting operation throughout.
- There are cameras fitted to increase the vision of the lift and the signallers
- Speed of use.
- Can do up to 140 lifts per day. A conventional mobile crane is expected to do a maximum of 80 lifts per day.



Rates (as at June 2006) range from £1600 to £2800 per day but this piece of equipment will be of particular advantage in situations where a normal mobile crane will not be able to operate due to the restrictions of adjacent buildings. It is also worthy of consideration where a mobile crane can be used but due to the stand-off distance a very large mobile crane would be required.

A five-minute video clip can be viewed through the link below which shows the set up and applications of the self-erecting tower crane.

<http://www.spieringskranen.nl/techniek/SpieringsEngels.mpg>

More information is available from Tony Whitworth of K Lift on 0161 335 2425