

## A REFERENCE FROM ALIMAK HEK



### Heavy freight & vehicle lift Royal Opera House

As part of a major redevelopment project at London's Royal Opera House Alimak designed, manufactured and installed the 'Get In' lift, which acts as the major artery of the stage works. Due to the nature of The ROH, frequent scenery changes are required depending upon the programme. Alimak were asked to design a lift large enough to cope with scenery pallets up to 10m long. Manoeuvring 10m pallets in the streets is a major operation, and it was felt that it would be much easier if the lorry and trailer could be driven into the theatre for unloading.

The resulting quad-masted rack & pinion driven lift designed by Alimak is 18m long and 4.7m high, with a maximum carrying capacity of 24,000kg! A fully loaded trailer and reactor can therefore be driven straight into the lift and lowered 14m to bottom level for unloading. When not engaged in its main task of moving scenery pallets, the lift functions as a general purpose lift servicing a total of 3 levels and travelling a total distance of 14m below street level. The lift is fitted with doors on 3 sides, one of which has a 10m wide clear opening.



#### Key data

<b>Lift type</b>	Special quad-masted lift
<b>Max. Capacity</b>	24,000kg
<b>Speed</b>	9m/min
<b>Total lifting height</b>	14.1m
<b>Car size</b>	18m x 4.8m x 4.7m
<b>Motors</b>	24 x 4 kW

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