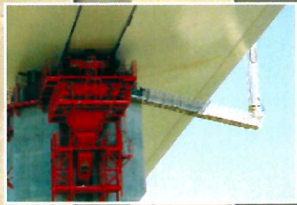




MANLIFT HIRE LTD.

DATA SHEET



Mobile Underbridge Work Platform

Mobile Underbridge Work Platform Model 130LS

130LS

The 130LS work platform is ideal for inspections as well as repair works of any kind. The spacious platform enables the operators to carry out any sort of heavy-duty repair work underneath bridge decks.

The 130LS is mounted on a truck chassis 18,000 Kg. G.V.W. and is specifically designed to enable quick and easy access to the underside of the bridge.

Thanks to its high versatility and high performance coupled with its low cost, the 130LS is the ideal machine for both local/national road authorities and private contractors.

The 130LS machine is, for inspection and maintenance of road bridges, guaranteeing a safe, quick and economic system of access to those structures where setting up scaffolding is not feasible or is too costly.

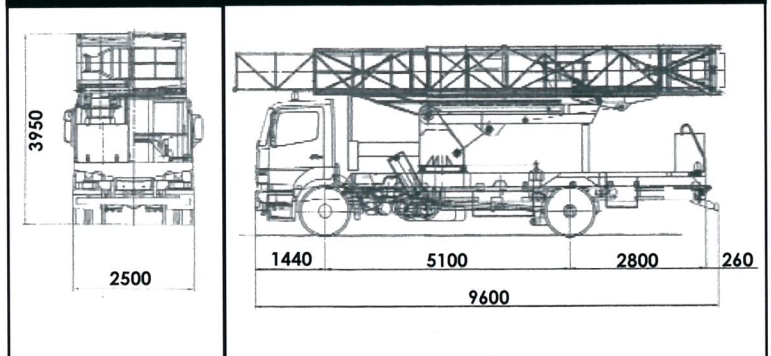
The machine will take only a few minutes to deploy from the rest position to the work position without personnel on board.

Only after launching manoeuvres are over, operators are able to descend on board the platform through provided protected access and from here they can communicate with personnel on top of the bridge deck by means of the intercom system.

Main Characteristics

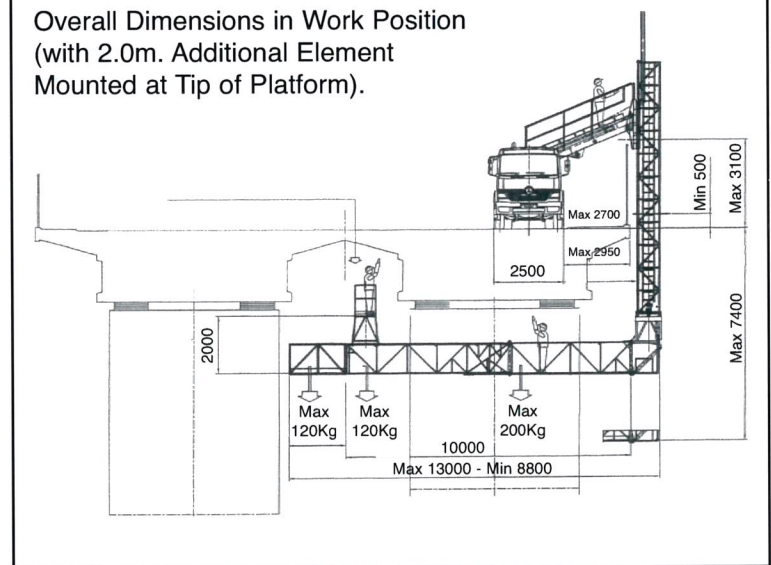
- Unit mounted onto a standard 2 axles 4x2 Mercedes Benz carrier vehicle
- Road overall dimensions and weights of equipped unit according to International Standards
- Stabilisation on rubber covered wheels
- High degree of stability
- Launching time of less than 8 minutes
- Launching/retrieval of equipment without personnel on board the platform
- Unit equipped with hydraulic power drive system to move the vehicle at low speed in forward and reverse on bridge deck with platform deployed in work position
- Inclinometer system in the longitudinal and crosswise horizontal planes to check the stability condition of the unit when working on bridges having longitudinal/transversal slope up to +/-5° (max. admitted for operation).
- Two-way intercom system between driver and platform operators
- Assistant ladder on platform, manual operated, to raise no.1 operator (120Kg.) of 2.0m above platform level to enable access of personnel inside girder intradosses for inspection
- Overload device on platform
- 110V and 24V electric sockets on platform

Overall Dimensions in Road Transport Position



Overall Dimensions in Work Position

Overall Dimensions in Work Position (with 2.0m. Additional Element Mounted at Tip of Platform).



Platform Total Length	11,0 : 13,0m
Platform Working Length	10,0 : 12,0m
Platform Width	1,05m
Max. Lowering Depth of the Tower	7,4m
Rotation Range Under Bridge	180°
Max. Crossing of Sound Barriers	3,10m
Max. Extension of Bridge Sidewalks	2,70m
Space Taken on Bridge	2,50m
Payload of Platform	500Kg.
Payload of Telescopic Platform	250Kg.
Total Weight of the Unit	17,500Kg.