

MILITARY LOAD HANDLING SOLUTIONS CRANES



THE HIAB ADVANTAGE



Some of the advantages of a HIAB crane are:

- The use of common, modular components. This not only has supply and maintenance advantages, but provides for exceptional flexibility in the field. Many control systems, support legs and booms are interchangeable with numerous items which are 'COTS' based (Commercial Off The Shelf);
- Cranes are developed according to the latest European Standards: EN 12999 and EN 13001 - exceeding most crane standards around the world;
- Control systems are designed and manufactured to military specification i.e. EMC (MIL-STD-461), Environmental (MIL-STD-810) and climate conditions requirements;
- Corrosion protection to military specifications;
- Integrated Logistic Support (ILS) – a turn-key approach to providing you with not just a product range, but a complete logistic support programme to cover all aspects of using and maintaining a HIAB crane;
- Integrated crane customisation, developed in close co-operation with OEM's:
 - mounting on ships, armoured vehicles, etc;
 - meeting specific requirements like extreme environmental demands, high pressures, dangerous loads, etc.





MILITARY CRANES THAT WON'T LET YOU DOWN

Hiab's Cranes have become the natural choice for military crane buyers around the world, who require: proven capability, total support, high equipment reliability. The Hiab's Cranes product line consists of a number of core model ranges developed to meet the complete spectrum of requirements expected from their challenging role in the military sector.

Supporting this is Hiab's commitment to a sustained R&D programme, which continually assesses the main design criteria: efficiency, technological superiority, reliability, strength, safety and ease-of-use. Because of this commitment to excellence, Hiab's Cranes have been supplied to armed forces around the world to meet a multitude of payload handling tasks in all environments.

Additionally, the core product ranges are supported with a flexible customisation programme to suit specific customer needs, such as: air-transportability, particular climatic/terrain conditions or specialized installations. In fact, Hiab's Loader Cranes can be fitted to any prime mover.

Hiab's international experience, together with its unique worldwide support network, means that you can have complete confidence that the payload handling requirements you expect will be met in full, for the hardest task or most demanding application.

PRODUCT RANGES

HIAB 2222 ATF

This crane is specially developed for recovery vehicles, with a maximum lifting capacity of 205 kNm.

As an option, the crane can be fitted with CTC (Crane Tip Control). The crane is then able to make a vertical lift without a winch and has automatic unfolding and parking

General:

- low height cranes - can be fitted onto a truck and are still within the rail road profiles;
- low height cranes offer a 360° protection around the vehicle from machine gun on top off the cab roof;
- low weight for optimum performance ratios
- highly efficient use of installation space, which gives a small footprint;
- controlled by remote control, can be manually controlled in case of an emergency;
- elevating column and double linkage system provide excellent working area and performance.



HIAB 088, 099 and 111 ATD

This range is developed to load and unload general cargo, pallets, ammunition, jerry cans and has lifting capacities from 75 up to 98 kNm.

HIAB 133 and 144 ATD

These cranes are specifically developed to handle missile and rocket canisters. They have been in service around the world since 2002, and have a lifting capacity from 128 up to 149 kNm.

General:

- boom lengths and the capacity of the cranes can be optimized for specific trucks;
- most models are air transportable in a C130 with a folded height of 1472 mm;
- all cranes are designed to fit within the profile of the cab
- low crane weight due to the use of high tensile steel;
- controlled by remote control, can be manually controlled in case of an emergency.

Other crane product ranges or specials include*: stiff boom cranes, sea cranes and standard commercial cranes.

*Further information can be obtained at Hiab Limited GBO.



SAFETY AND CONTROL SYSTEMS

Safety system

SPACE is an intelligent, computer based crane operating system:

- electronics housed in a 100% weather-proof casing;
- extremely reliable;
- vital information clearly visible to the operator;
- available in three different configurations, each one with an increasing number of advanced and productive functions, i.e. Automatic Speed Control (ASC) which provides a continuously, ultra smooth increase of capacity.

Hydraulic control valve

Hiab valves have been developed specifically for crane use and give:

- power and precision;
- superb reliability in the most difficult conditions;
- excellent dynamic characteristics especially when handling numerous simultaneous operations;
- minimal heat production.

Remote control

Hiab's remote control units enable the crane operator to position himself at the best possible location. This leads to

better efficiency, enhanced safety, ease and comfort. Other advantages of remote control are:

- possibility to operate several proportional functions simultaneously;
- greater operating precision through a multiple speed switch;
- possibility to control up to 24 proportional functions (in four menus).



BUILT TO PERFORM

Hiab is the world's leading provider of on-road load handling equipment. Customer satisfaction is the first priority for us. Hiab's product range includes HIAB loader cranes, JONSERED recycling and forestry cranes, LOGLIFT forestry cranes, MOFFETT truck mounted forklifts and MULTILIFT demountables, as well as DEL, WALTCO and ZEPRO tail lifts.

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Hiab Limited

Government Business Operations
Cargotec Industrial Park
Ellesmere, Shropshire
SY12 9JW. UK

Tel: +44 (0) 1691 623 100

Fax: +44 (0) 1691 626 439

E-mail: gbo.enquiries@hiab.com

