

# HIAB X-HIPRO BIG CRANES





# BIG CRANES FOR BIG CHALLENGES

Cranes in the HIAB heavy range are more than just large. These are the strongest and toughest cranes in our product range, ready to take on the heaviest lifts. But they can be gentle giants as well. When you need to reach out with high precision, these big cranes from HIAB give you perfect control.



## Our big family is even bigger

The HIAB family of big cranes is growing even larger, with four different models to suit a variety of needs. Whether you are looking for high speed, pinpoint precision, smooth operation, the ability to access confined spaces, or class-leading strength, rest assured there is a HIAB big crane especially for you.

## Performance defined by you

You are the one who determines your performance needs. Because your business, your working methods and your customers' needs are unique. As soon as we know the goals and challenges you face each day, we help you determine the optimal crane in terms of capacity and performance. Your crane is tailored to your business, down to the last detail.

# SUPERSIZED WITH SUPER ABILITIES

The HIAB heavy range is state-of-the-art load-handling technology packaged for performance. The cranes boast many technical features for different applications – each feature designed to make your crane fast, smooth and safe.

## HIAB HiPro keeps you in control with pinpoint precision

The best crane is only complete with the best control technology. HIAB HiPro is simply the most advanced remote control system in the industry. Operated by lever or joystick, it has a built-in intelligence system for exceptionally precise load handling.

In addition to capacity-increasing Automatic Speed Control (ASC), HIAB HiPro features Pump Flow Distribution (PFD) for super-smooth operation. By evenly distributing the oil in proportion to your control movements, PFD prevents sudden and unanticipated load accelerations.



Pump Flow Distribution (PFD)



Easy tilting of stabiliser legs

## Chain-driven stabiliser system

The 9-metre\* chain-driven stabiliser span has only one extension cylinder, yet two telescopic extension beams. This almost doubles extension speed, saving valuable time when setting up and stowing your crane.

\* 8-metre for HIAB X-HIPRO 548

# S

## VSL<sup>PLUS</sup>

### (Variable Stability Limit Plus)

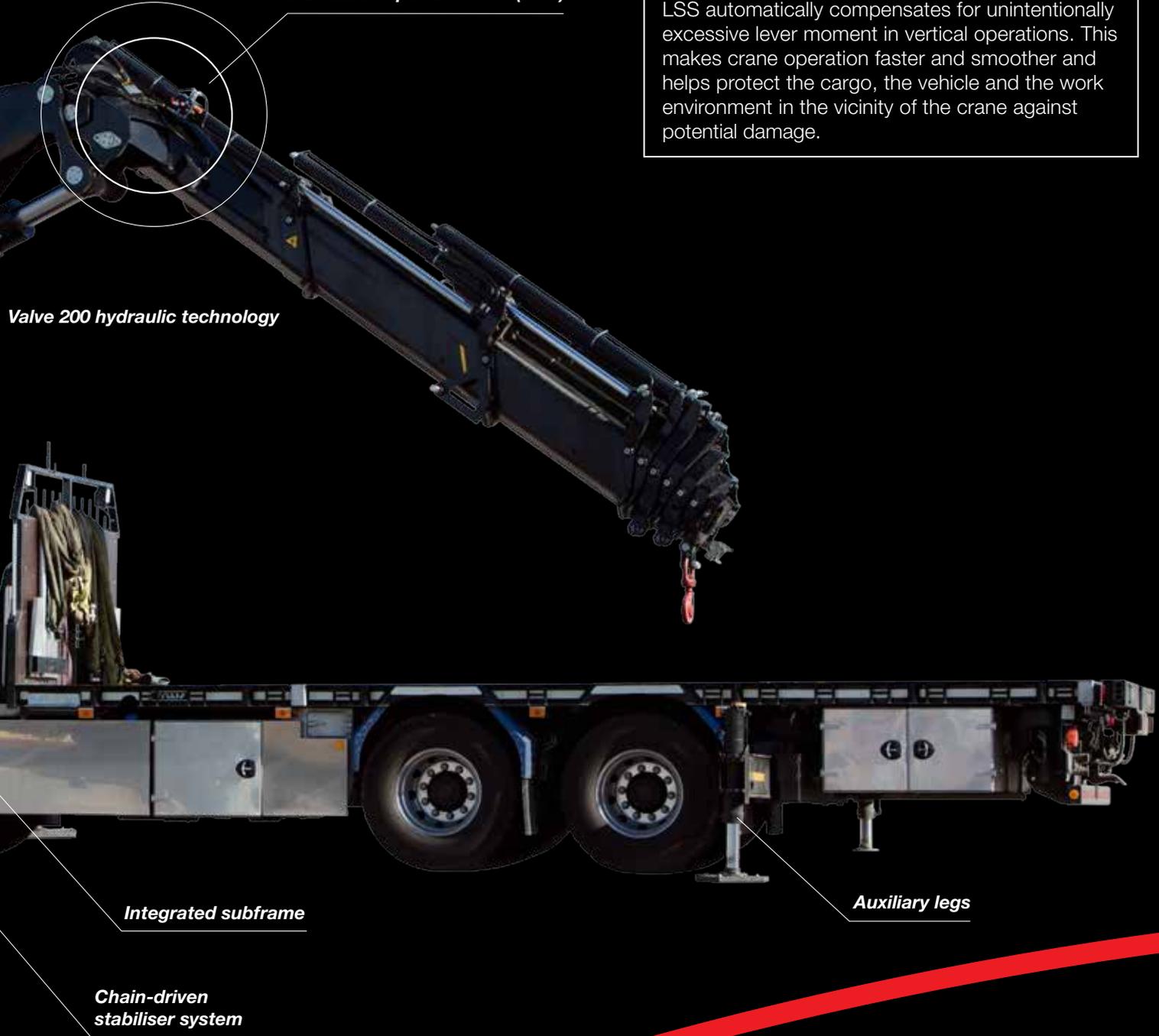
VSL<sup>PLUS</sup> is a safety system that maximises the capacity by calculating the stability according to the position of the stabiliser legs and the total weight of the truck.

**VSL<sup>PLUS</sup>**

## Load Stability System (LSS)

LSS automatically compensates for unintentionally excessive lever moment in vertical operations. This makes crane operation faster and smoother and helps protect the cargo, the vehicle and the work environment in the vicinity of the crane against potential damage.

*Automatic Speed Control (ASC)*



*Valve 200 hydraulic technology*

*Integrated subframe*

*Auxiliary legs*

*Chain-driven stabiliser system*

# A BIG CRANE

## FOR EVERY NEED

Whatever your load handling task, there is a HIAB big crane to match it. Our extended offering covers a full range of loading capacities, and we tailor a solution that meets your requirements in every detail.

The market's best control systems and a wide range of accessories are also part of the package.

Technical data	HIAB X-HIPRO 548	HIAB X-HIPRO 638	HIAB X-HIPRO 658	HIAB X-HIPRO 858	HIAB X-HIPRO 1058
Max. lifting capacity (kNm)	497	561	578	766	871
Outreach, hydraulic extensions (m)	21.8	22.3	17	24.0	24.0
Outreach, with jib (m)	31.7	32.2	-	31.8	31.8
Outreach, with jib, with manual extension (m)	33.1	33.7	-	33.3	33.3
Outreach, with jib, extra-long support out (m)	-	-	-	33.3	33.3
Outreach, with jib, extra-long support out, with manual extension (m)	-	-	-	34.8	34.8
HiPro	Yes	Yes	Yes	Yes	Yes
Integrated Subframe	-	-	-	Optional	Optional
VSL <sup>PLUS</sup>	Optional	Optional	Optional	Optional	Optional
Long Jib support	-	-	-	Optional	Optional





# BUILT TO PERFORM

HIAB cranes are built to perform. Optimised for your scheduled workload with the right capacity, weight, speed and precision, you get a crane that reliably delivers, each and every time. And not only delivers, but does it smarter, faster and smoother to help you outperform the competition.

## Power boost

Powerful yet efficient, HIAB big cranes boost performance exactly when and where you need it. From pushing up your capacity ceiling to using oil and hydraulic intelligence

to your advantage, our integrated innovations are designed for serious power lifts. If you demand maximum productivity from your crane, HIAB big cranes deliver.



## Swift and certain

Our state-of-the-art control systems and fine-tuned hydraulics ensure smooth operation with no surprises. Whether moving fragile goods or awkward bulk, the loads remain steady and jobs are completed faster. Taking full advantage of our different control systems, an expert operator can save significant time and energy on complex tasks.

## Rugged reliability

HIAB big cranes are built for uninterrupted work, with high-tensile steel, high-quality parts, reliable seals and protective covers that resist weather and impact. Each crane undergoes a punishing series of laboratory tests and field trials that far exceed the requirements of European machinery directives and standards.

## Performance-enhancing functions

- Load Stability System (LSS) automatically compensates for unintentionally excessive lever moment in vertical operation for faster operation.
- HiPro control delivers unrivalled speed, precision and safety.
- Automatic Speed Control (ASC) gives stepless increase in lifting capacity up to 10% in one smooth, continuous motion.
- Pump Flow Distribution (PFD) distributes oil in proportion to lever movements for seamless operation.
- Valve 200 hydraulic technology offers load sensing and pressure compensation for improved speed, precision, control and more.





# IN THE DRIVER'S SEAT

HIAB cranes put you in control and keep you focused. Key features ensure safety in all operations, with smooth, precise, trouble-free load handling. From routine heavy work to the most delicate tasks, you have everything you need to do the job right.

## Putting safety first

Safety is the number-one priority with any HIAB product – both for the operator and for others nearby. HIAB cranes are equipped with innovative safety features, leaving you free to focus on the job.

## Steering performance

Comfort and control go hand in hand with safety. HIAB cranes provide both smooth response and efficiency. Depending on your needs and way of working, you can choose between different control stations. A crane fitted with remote control, for example, lets you drive your crane from the perfect vantage point, giving you an unobstructed view of the working area.

## Personal versatility

Your HIAB crane is easy to customise to fit your daily work. For example, you may choose standard boom systems, or boom systems for jib or hoist. Some models can also be equipped with a second boom that can be angled upwards in relation to the inner boom. A customised boom system can also offer better access in confined spaces.

## At one with your crane

Whichever HIAB crane you choose for your business, we can provide the training you need to get the best out of it. Our operator training helps you utilise your crane more efficiently to accomplish more.



## Safety-enhancing functions

- VSL<sup>PLUS</sup> maximises the capacity by calculating the stability according to the position of the stabiliser legs and the total weight of the truck.
- Auxiliary legs are totally integrated into the control system and therefore perfectly adapted to suit your big crane.
- Boom Deployment Assistant (BDA) monitors the angle and position of the boom during folding/unfolding, preventing the operator from making any movement that might damage the crane.
- Full Sequence Cylinders (FSC) prevent lateral deflection and unexpected movements for boom stability, especially when controlling loads in high positions.

# ON THE BOTTOM LINE

Simply put, your choice of HIAB pays off from start to finish. Expert assistance and easy installation get you up and running fast, and you receive a crane with unmatched efficiency and reliability. Plus, we offer innovative functions designed to increase your business potential. In the end, you have a crane with the market's best residual value.

## Getting and keeping you going

When you purchase a HIAB big crane, you get everything you need – from selection advice to top-notch documentation that makes life easy for your body builder. We help you protect and get the most from your investment, through a wide service network and training programmes that enhance operator skills.

## More from every trip

A HIAB crane is designed for high returns. With an excellent capacity-to-weight ratio, you maximise payload. Add superior hydraulics, precise control and a range of features that get the job done quicker, and you have a true work-horse that brings in more by the hour.

## Going farther with less

More capacity and less weight means high fuel economy. The same is true for a finely tuned hydraulic system. HIAB hydraulics are optimised to the tiniest detail. And if you combine a HIAB HiPro control system with a variable pump, you save considerable amounts of fuel. Because the oil temperature is kept low, you prolong oil life and reduce wear and tear, which saves money and reduces CO<sub>2</sub> emissions.

## A lasting investment

All this efficiency comes without sacrificing lifetime or serviceability. HIAB cranes are durably built and easy to care for, which means they retain their worth and provide a consistently high resale value.

### Profitability-enhancing functions

- Jibs provide extra reach and flexibility allowing you to deliver payloads all the way to their final destinations.
- Jib Dual Capacity (JDC) provides a capacity boost to handle heavier loads with a crane/jib-configuration.
- Long jib support acts like a manual extension for an extra 1.5 metres within the same compact crane design.
- E-link system significantly increases the lifting capacity in high boom positions, especially when working close to the column.
- Easy tilting of stabiliser legs with hydraulics makes set-up quicker to help increase your delivery turnaround.
- Quick folding hoist and jib features an integrated pulley system to save valuable time in set-up and stowing.



# EASY TO MOUNT, EASY TO SERVICE

When you choose a HIAB big crane, you choose a crane that will stay with you over the long haul. Hiab will be with you too, providing world-class service and support. Our commitment to quality and reliability goes beyond the crane itself to include parts, services and preventive maintenance.

## Thinking ahead

Your HIAB crane is built with optimal pre-conditions for easy mounting on the truck chassis. It is designed with as low an overall weight as possible, including any necessary chassis re-enforcements. To make installing your crane simpler and quicker, we also provide complete documentation including technical data, installation instructions and software for calculating axle loading and stability.

### Durability and service-enhancing functions

- 9-metre\* chain-driven stabiliser span almost doubles extension speed, while ensuring the best possible stabiliser strength and rigidity in every possible position.
- Ultra-high tensile strength steel ensures structural strength and capacity to deliver heavy loads, as well as considerable weight-saving advantages.
- Hexagonal boom profile keeps the boom in perfect balance and minimises deflection to reduce maintenance costs and increases efficiency.
- Continuous slewing allows you to move loads safely in all directions without having to worry about slewing stops.
- Base-mounted oil tank allows simpler installation with no need to rearrange truck components, as well as easier access and maintenance and reduced costs.
- Bolted, integrated subframe keeps crane delivery and installation times to a minimum and ensures a perfect fit as the crane and subframe act as a single part.

*\* 8-metre for HIAB X-HIPRO 548*

## Your time is valuable

HIAB cranes are designed for easier everyday maintenance. Key parts and components that require regular attention are located where you would expect them, and where they are easy to access. When more is required, our fully trained and accredited service personnel know all there is to know about your HIAB crane. Above all, they know the importance of servicing or repairing it as quickly as possible. With the absolute minimum downtime, they get your product back in business and making a profit.

## From parts to people

Original spare and wear parts of the highest quality ensure that your HIAB big crane will always be a HIAB product. In other words, they give you the same functionality, performance and safety you have chosen from the start. With the largest service network in the industry, you are never far away from our skills and expertise. Like our cranes, our people work harder and go further for you.



## Sales and Service network

Hiab's global network offers extensive services that ensure the continuous, reliable and sustainable performance of our equipment. We have the most comprehensive distribution network in the industry, supporting all Hiab's customers – through sales companies in 23 countries and 65 independent distribution partners, giving us more than 1500 sales and service outlets. This service network guarantees that we are always close to you, ready to give advice on applications and provide service and spare parts.

# 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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