

# HIAB X-HIPRO BIG CRANES FOR PRECISION OUTREACH



# BIG PRECISION CRANES FOR BIG CHALLENGES

A large HIAB crane is shown in operation, lifting a concrete bucket. The crane's long, articulated boom extends across the top of the frame. In the background, a modern, multi-story building is under construction, with a worker in a high-visibility vest standing on a concrete foundation. The foreground is dominated by a large pile of brown earth. The sky is blue with scattered white clouds.

Cranes in the HIAB heavy range are more than just large. Our big cranes are the strongest and toughest of our products, ready to take on the most difficult lifts. But specialisation is just as important as size. When you need total control at maximum outreach, the HIAB big cranes in this brochure deliver.



## 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.

## Part of a big family

The HIAB family of big cranes is large – and growing. Whether you want exceptional reach and precision for delicate work or extra muscle for large, bulky items, we have a big crane to match.

The big cranes in this brochure are specialised for working high up and far out, giving you the very best in precision and outreach.

# BIG

# BUILT TO PERFORM

HIAB big cranes are built to perform, with outreach, control, strength and weight that are all fully optimised for your workload. You get a crane that reliably delivers, each and every time. And not only delivers, but does it smarter, smoother and better to help you outperform the competition.

## Gentle giants

HIAB big cranes for precision lifting are fully adapted for controlled strength, even when working at an extreme distance from the truck. With their purpose-built design, the cranes get more from the same steel structure, giving you a lighter boom with more capacity at long outreach. Supporting it are fine-tuned hydraulics that ensure smooth operation with no surprises – no matter how delicate or complicated the work.



## Pinpoint accuracy

Control is vital for complex jobs, especially when performing them at maximum outreach. Our HIAB valve technology provides load sensing and pressure compensation, and Pump Flow Distribution (PFD) ensures predictable operation by distributing the oil in proportion to lever movements. The state-of-the-art HiPro control system, which delivers a flawless response to every command, incorporates a Load Stability System (LSS) that automatically prevents the load from swinging by dampening abrupt stops.

## Rugged reliability

Like all HIAB cranes, our 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 undergoes a punishing series of laboratory tests and field trials that far exceed the requirements of European machinery directives and standards.





**BUILT TO  
PERFORM**

# IN THE DRIVER'S SEAT

HIAB big cranes put you in control and keep you focused. Key features ensure safety in all operations, with smooth, precise and trouble-free load handling. From the longest lifts to the most complex operations, you have everything you need to do the job right.



## Putting safety first

Safety is always top priority – both for the operator and for others nearby. HIAB big cranes are packed with innovative safety features, leaving you free to focus on the job. One such feature is VSL<sup>PLUS</sup>, which uses the position of the stabiliser legs and the total weight of the truck to calculate maximum safe crane capacity.

## Protecting the crane

The safety of your crane is important as well. The Boom Deployment Assistant (BDA) monitors the angle and position of the boom during folding and unfolding, preventing any movements that might cause damage to the crane. The boom itself is designed to prevent lateral deflection and unexpected movements, especially when working in high positions.

## Steering performance

Comfort and control go hand in hand with safety. With their HiPro control systems, HIAB big cranes provide smooth and accurate response. All key features are fully integrated into the control system, including the auxiliary legs.

## Dedicated design

Above all, HIAB big cranes are uncompromisingly adapted to their applications. When your crane is specifically designed for precise work at maximum outreach, you can do your work more quickly, smartly and safely.

Naturally, your crane can be further customised to suit your specific tasks and working environment. And with HIAB operator training, you can learn to use it even more efficiently.

# SUPERSIZED WITH SUPER PRECISION

The HIAB heavy range is state-of-the-art load-handling technology packaged for performance. Our big cranes for precision lifting boast many innovative technical features – each designed to make your crane accurate, efficient 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.



## Jib Dual Capacity (JDC)

Extra reach and flexibility are created by the jib. The long jib support acts as a manual extension, providing an extra 1.5 metres with the same compact crane folding design. JDC gives the crane/jib configuration a capacity boost, allowing it to handle even heavier loads.

Pump Flow Distribution (PFD)



Easy tilting of stabiliser legs

## VSL<sup>PLUS</sup>

### (Variable Stability Logic Plus)

VSL<sup>PLUS</sup> is a safety system that maximises the crane 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 dampens abrupt stops that could otherwise cause the load to swing. 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)*



*Integrated subframe*

*Auxiliary legs*

*Chain-driven  
stabiliser system*

# A BIG CRANE

## FOR EVERY NEED

No matter how complex your task or how long the outreach needed to manage it, there is a HIAB big crane to match. 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 system 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 858	HIAB X-HIPRO 1058
Max. lifting capacity (kNm)	497	561	766	871
Outreach, hydraulic extensions (m)	21.8	22.3	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
Integrated subframe	-	-	Optional	Optional
VSL <sup>PLUS</sup>	Optional	Optional	Optional	Optional
Long jib support	-	-	Optional	Optional





**HAB**

**X-HIPRO 638**

# 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

HIAB big cranes are designed for high returns. Their long outreach lets you do more without moving your truck, while the superior hydraulics, precision movements and accurate control let you get jobs done quicker. All in all, HIAB big cranes are true workhorses that bring in more by the hour.

## Going farther with less

High-tensile steel in the boom means a lighter boom with more capacity at long outreach. And you get more from the hydraulic system as well.

HIAB hydraulics are finely tuned and optimised to the tiniest detail. And if you combine the 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.





*"With my HIAB crane, I do the job once and I get it done right – which lets me get on with the next."*

# 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

HIAB big cranes are optimally built for easy mounting on the truck chassis. Not only does the bolted, integrated subframe keep crane delivery and installation times to a minimum, it also ensures a perfect fit as the crane and subframe act as a single part. The whole installation, including any necessary chassis reinforcements, is designed for the lowest possible overall weight.

To make installing your crane simple and quick, we provide complete documentation including technical data, installation instructions and software for calculating axle loading and stability.

## Your time is valuable

HIAB big 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. A good example is the base-mounted oil tank, which can be installed without rearranging truck components and is quicker and simpler to reach.

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.

## Hiab ProCare™ for planned performance

In every way, our aim is to keep you moving so you can deliver as promised. With Hiab ProCare™\*, we can take on the burden of inspections, planned maintenance, scheduling and more, giving you the best assurance to produce as planned. Simply choose the level of service agreement that makes sense for your business:

Hiab ProCare™ Inspection makes it simpler and easier to comply with inspection regulations for your crane. With the thorough yet efficient scheduled inspections, it is possible to prevent a number of unpleasant surprises and you are back on the road fast.

Hiab ProCare™ Essentials is the best addition to your new crane, including the preventive maintenance program and scheduled inspections as recommended by Hiab. Put your maintenance planning in our hands and we keep your crane operating with the original high performance to avoid unnecessary cost and downtime.



\*Check the availability of service agreements with your local Hiab distributor



## 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 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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