

 **JONSERED**
 **LOGLIFT**

CRANE OPERATION FOR NEXT GENERATION FOREST PEOPLE



SHOW THE WORLD YOU'RE LEADING THE WAY

What does it take to become a winner in tomorrow's timber-transportation business? In a changing industry, you need a new kind of leadership – in technology, brand appreciation and attractiveness.

That's exactly what you'll enjoy using HiVision – a revolutionising camera-based operation solution for JONSERED or LOGLIFT cranes.

In their high-resolution augmented reality (AR) goggles, operators have a perfect view of the work area and control their crane's motion using joysticks.

There is a hunger for novelty in many traditional industries, including forestry. As an early adopter of the latest innovations, you will have

your customers', and the media's, attention – along with the free publicity and goodwill it generates.

You will become even more visible and attractive to customers and employees alike. As a technology pioneer, you can also expect an influx of talented drivers to your company from other transport segments.

HiVision – crane operation for next-generation forest people.



“DONE DEAL!”

I was happy driving a demountable truck, but when I was offered a job as a HiVision crane operator, it was a done deal! I am amazed how well the goggles work and how much payload I can deliver every day. I'm really proud to be a HiVision pioneer!

Sofie Tjus Ekström, Åkeri AB Kjell & Aste Larsson, Molkom, Sweden



COMFORT ZONE

Every crane operator knows what it's like to step into the warmth of the truck cabin after a cold or wet day in the forest.

Why not stay in the cabin all day? With HiVision, you operate your crane from inside the truck cabin, without having to step out of the truck at all*. A well-deserved break, not least for seasoned operators.

But also a great way to attract new talent. HiVision is perfect for the online generation, who are likely to embrace and excel on this game-like solution. And who certainly expect a certain level of comfort in their lives...

Augmented reality (AR) is the hottest vision technology today. Related to both AR and VR (virtual reality), camera-based HiVision is a safe bet if you want to attract the crane operator stars of tomorrow.

* Requires a remote-controlled load securing solution.



“APPEALING TO YOUNG PEOPLE”

As an employer today, I believe it is important to provide a safe and ergonomic work environment. In order to attract young employees, operating a timber truck and crane must become more comfortable and appealing.

*Maik Ungefroren, Maik Ungefroren
Transport und Baustoffe, Südharz, Germany*

YOUR FAMILY WILL THANK YOU

Safety must always come first. Investing in safety is essential, not only to yourself, but to those closest to you as well.

Some day, HiVision may prove to be your lifesaver. Working from the truck cabin improves operator safety significantly compared to operating the crane from a high seat.

We've all experienced the slippery, scary climb up to the high seat on a rainy day. And probably thought more than once: "One day I'll slip and..." Well, it won't happen with HiVision.

And you've probably also cursed over the constant swaying from side to side, as you're being tossed along with your crane's every move. Tiring and annoying at best.

So, choose a HiVision crane next time. Your family will thank you.



“SAFEST EVER”

During my 20 years working with Hiab cranes, the safety of high seats has been greatly improved. But HiVision adds a new safety dimension, because you're working from the passenger seat. That's why I decided to buy HiVision.

Kinichi Suzuki, America-ya Ltd, Fukushima, Japan

ONE MORE GRAPPLE — FOR EVERY LOAD

Are you using a crane cabin today? Or thinking about changing to one? Perhaps you should think again. HiVision may be a more favorable alternative, even when it comes to payload capacity.

You can carry heavier loads by changing from a crane cabin to HiVision. In fact, you're freeing up almost all of the cabin's weight for more or heavier logs.

It may not seem like much, but multiply the weight by the number of truck loads you move every day and year – and you're looking at a significant productivity improvement.

You can also detach your crane, leave it in the forest and re-attach it again next morning – saving even more transport weight.

Some say it takes some time to learn how to make full use of HiVision. But once you get the hang of it, you'll work more efficiently. That makes for an even higher productivity.

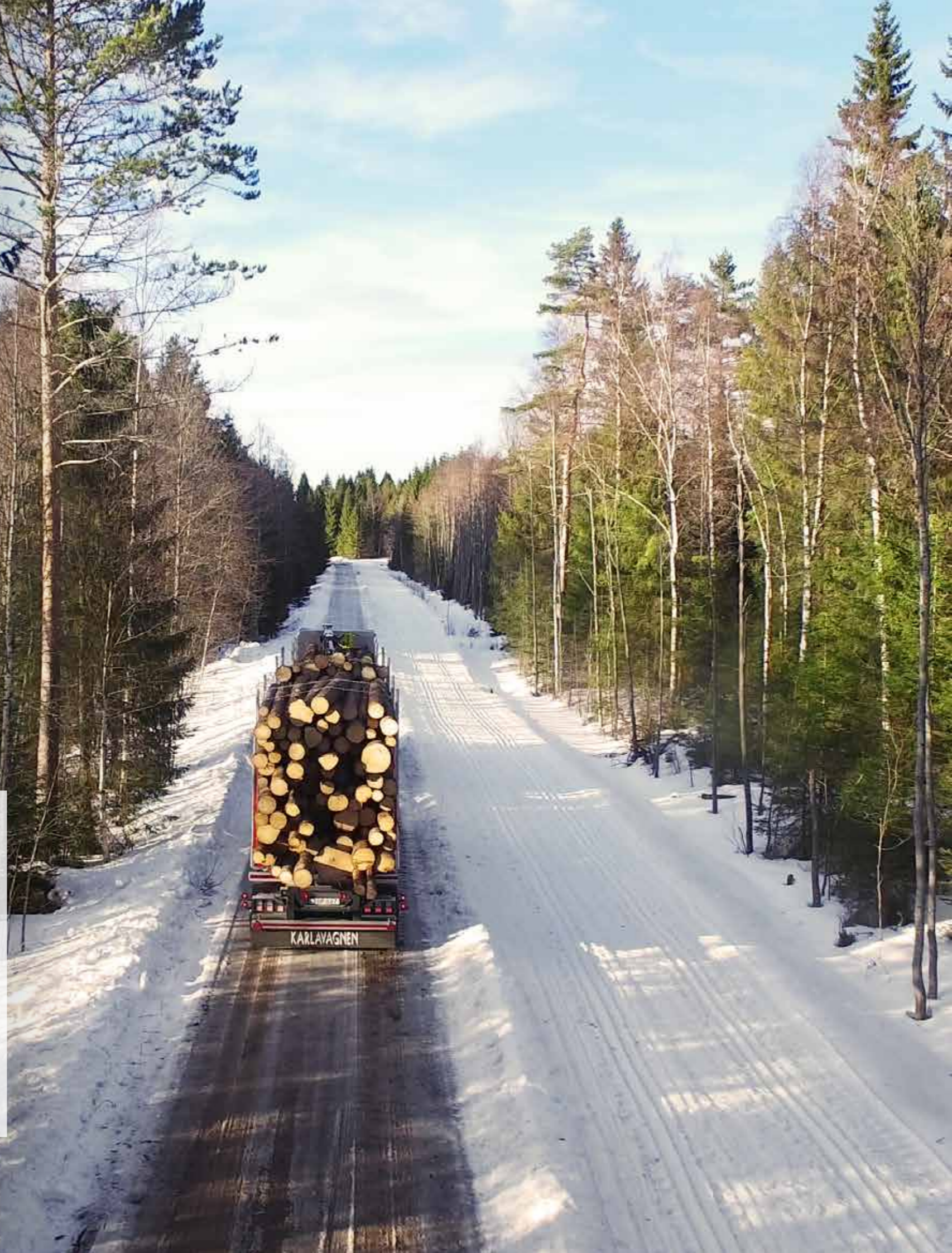
Primarily a safety and comfort solution, the potential to increase productivity comes as a nice and unexpected surprise to many HiVision users.



“DEFINITELY THE FUTURE”

Without a crane cabin, I save weight which means that I can load approximately 400 kg more onto the truck every time. I definitely think this is the future. It's inevitable.

Mattias Ackesten, Ackestens Åkeri AB, Kolsva, Sweden



WE LEAVE NO STONE UNTURNED

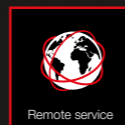
Since its first introduction in 2016, HiVision has been gradually refined and improved. Here are some of its most prominent features – helping you work with maximum efficiency in the forest.



Remote service Problem fixed fast

We know it is vital for you to be up and running all day. We also know there may be problems with electronic devices, even a heavy-industry design such as HiVision. If it should happen when you're in the forest, most problems can be fixed in a few minutes using Remote service for HiVision. Here are a few facts about this Hiab-unique solution:

- Connects to the internet via a USB cable and mobile phone (Android only)
- Possible to do software upgrades and remote maintenance
- Voice and video communication with service man possible using the HiVision goggles



True detachability Easy to share the crane

Sharing your HiVision crane is easy with True detachability. A JONSERED or LOGLIFT crane with HiVision installed can be operated from any truck prepared for HiVision. You make full use of your HiVision investment across your fleet of trucks, as no dedicated truck is needed. It really is as simple as plug and play.

- Your HiVision crane can be seamlessly shared by several trucks
- Enables a more efficient utilization of your truck fleet
- Simply connect the crane to your truck and you are ready to go



HOW IT WORKS

HiVision is an optional feature available when purchasing a new LOGLIFT or JONSERED forestry crane. It replaces conventional operator solutions such as a high seat or crane cabin, and comes ready to operate. Here are some facts about this futuristic solution.



Cameras

HiVision uses four high-quality cameras to capture the operator's view. The cameras, which are protected by a robust camera house, are mounted at the optimal vantage point, overlooking the work area. Special stabiliser cameras are mounted low on each side of the truck to allow the operator to monitor the extension and parking of the stabilisers.

Camera technology	
Front view cameras	Stereoscopic 3D
Side view cameras	3D
Stabilizer cameras	2D with infrared night view
Work lights	LED
Horizontal view (°)	270
Vertical view (°)	130



Vision system

The input from the cameras is processed by HiVision's control system, which generates the 3D view as seen in the goggles. The video of the work area is processed in real time. Brightness is automatically adapted to outdoor light conditions, and the high resolution makes the system particularly suitable for precision work.

Vision system	
Vision system version	HiVision™ 1.0
Power supply (Volt)	24V
Interface 3D goggles	HDMI, USB
Interface Cameras	HDMI



3D view

Advanced image processing enables a crisp view at all times. Head movements are registered by a tracking device, so the 3D view is always in the same direction as the operator's view. The camera field of view is 270° horizontally and 130° vertically. Placed high, the cameras offer an unobstructed view of the work area.

3D view	
3D goggles	High resolution
Tracking	360°
Built in display	User settings/ Safety functions



Crane control

An electric joystick is mounted on each armrest of the truck's passenger seat. During operation, signals from the joysticks are sent via the HiVision control system, which in turn controls the crane's hydraulic valve and several important safety functions.

Crane control	
Control system	HiVision 1.0
Joysticks	Electronic
Joystick holders	Yes
Armrests	Adjustable
Power supply (Volt)	24V

READY IN 4 EASY STEPS

HiVision uses advanced camera and goggle technology. Yet it is easy to get started and become a skilled operator. Here is how you prepare your HiVision crane for use in the field – in four easy steps.



1. Start the system

After parking the vehicle, move to the passenger seat and get seated comfortably. Now you're ready to power up your HiVision system.



2. Goggles on!

Put on your goggles and grab the joysticks to familiarise yourself with the HiVision 3D video feed and on-screen menus.



3. Stabiliser cams

Your goggle view shifts to the stabiliser cams so that you can monitor the stabilisers extending and parking – without leaving the cabin.

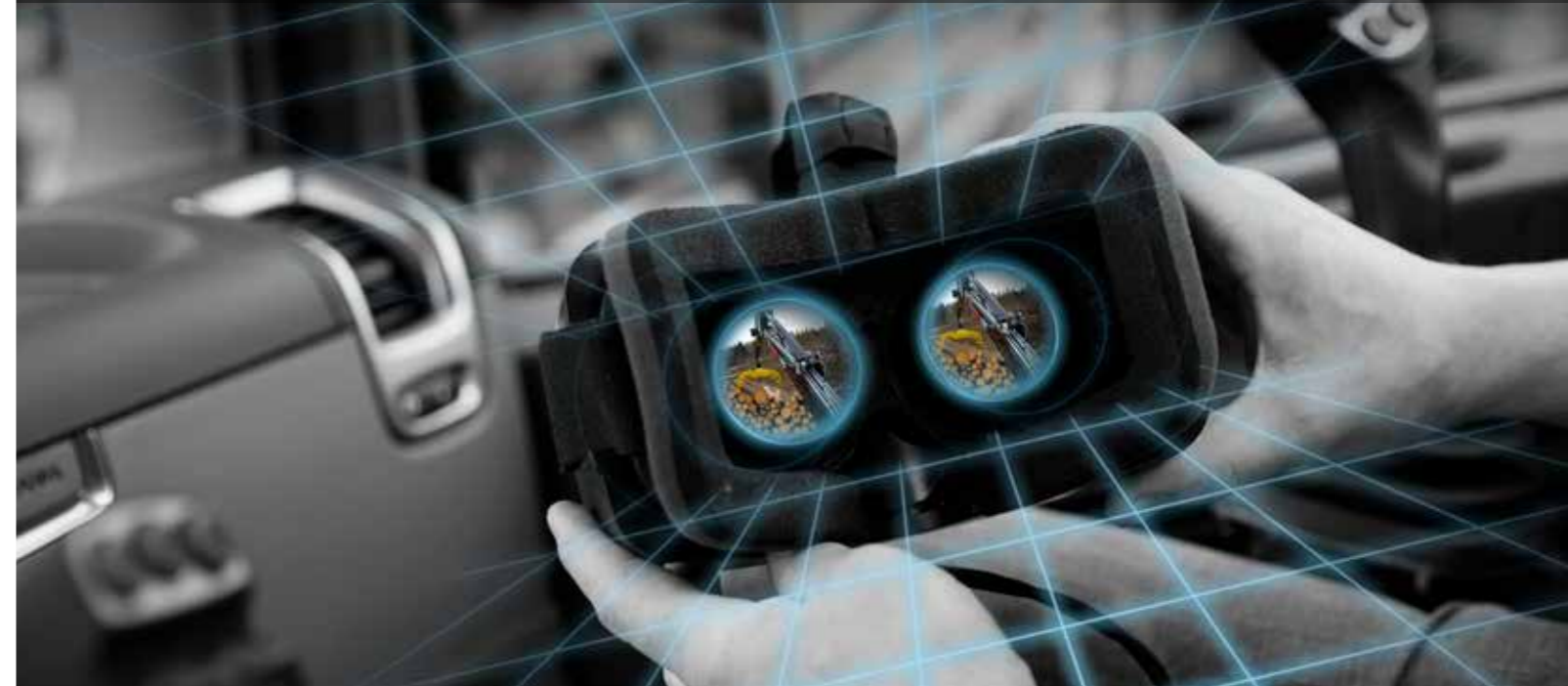


4. Ready to go!

Now you're ready to begin working. With your field of view changed back to the main cameras, use the joysticks to move your crane and start hauling logs.

ON-SCREEN MENUS

Just like in AR/VR, menu options are available as an on-screen overlay in your HiVision goggles. Options are selected using your joysticks. The on-screen menus let you maintain your view of the work area without taking your eyes off your load – adding further to the excellent safety of HiVision.



HIVISION CRANE MODELS



LOGLIFT 96S

S boom cut-to-length crane 10.0 tm capacity

The LOGLIFT 96S is the most popular cut-to-length crane in the market, combining power, speed and efficiency in just the right proportions. The telescoping model of LOGLIFT 96S can easily reach the pile from further away and load the timber all the way to the back of the trailer.



LOGLIFT 118S

S boom cut-to-length crane 12.0 tm capacity

The LOGLIFT 118S cut-to-length timber handling crane is available with outreaches from 7.9 to 10.1 metres. Regardless of your outreach demands, you can trust that the 425-degree slewing angle and the D link will enable swift loading and unloading.



LOGLIFT 125Z

Z boom cut-to-length crane 12.0 tm capacity

LOGLIFT 125Z is designed to lift more while withstanding the daily demands of unforgiving environments. And do it over and over again for years of reliable service with the lowest lifetime cost. Experience the difference in performance when innovation meets durability.



LOGLIFT 140Z

Z boom cut-to-length crane 14.0 tm capacity

The LOGLIFT 140Z delivers the ruggedness, reliability and productivity numerous operators have come to appreciate over the years. Recent versions of this popular model come upgraded with a range of brand new features for enhanced performance, safety and comfort.



LOGLIFT 150Z

Z boom cut-to-length crane 15.0 tm capacity

Unlike the otherwise identical LOGLIFT 140Z, the LOGLIFT 150Z comes equipped with a C link, thus increasing lifting capacity by 1 tm, while enabling swift loading and unloading.



LOGLIFT 251S

S boom tree-length crane 24.0 tm capacity

The power-to-weight ratio of the LOGLIFT 251S is in a class of its own. The lightweight, durable steel structure makes heavier payloads and more efficient loading possible. Maintenance requirements are low and this LOGLIFT model has a track record of extraordinarily long service life.



JONSERED 1188S

S boom cut-to-length crane 12.0 tm capacity

The JONSERED 1188S cut-to-length timber handling crane is available with outreaches from 7.9 to 10.1 metres. Regardless of your outreach demands, you can trust that the 425-degree slewing angle and the D link will enable swift loading and unloading.



JONSERED 1250Z

Z boom cut-to-length crane 12.0 tm capacity

JONSERED 1250Z is designed to lift more while withstanding the daily demands of unforgiving environments. And do it over and over again for years of reliable service with the lowest lifetime cost. Experience the difference in performance when innovation meets durability.



JONSERED 1400Z

Z boom cut-to-length crane 14.0 tm capacity

The JONSERED 1400Z delivers the ruggedness, reliability and productivity numerous operators have come to appreciate over the years. Recent versions of this popular model come upgraded with a range of brand new features for enhanced performance, safety and comfort.



JONSERED 1500Z

Z boom cut-to-length crane 15.0 tm capacity

Unlike the otherwise identical JONSERED 1400Z, the JONSERED 1500Z comes equipped with a C link, thus boosting lifting capacity by 1 tm, while enabling swift loading and unloading.

SPECIALIST SERVICE

You can expect first-class support from our HiVision specialised service experts.

An investment in a HiVision forestry crane is an investment in high quality and innovative performance. You will safely and efficiently fulfill your commitments to your customers – every day.

With Hiab Services, we are there for you throughout your equipment lifecycle – to guarantee you the uptime, reliability and support you need to keep your promises.

Thanks to original parts and our wide network of service experts, we are able to support you whenever and wherever you need us. So you can trust your HiVision crane to continue delivering the same superb functionality and quality you invested in from the start.

As an early adopter of the crane operation solution of tomorrow, you can always expect first-class support from Hiab.



REMOTE SERVICE

Get back to work immediately after a having a problem fixed while in the field.

A crane failure in the forest used to mean: “no more work today”. Not any more. With Remote service for HiVision, you can receive software fixes via a data link using your mobile phone – and be back in business in no time.

The service man can see what you are seeing in your goggles, which makes it easier to quickly locate and fix the problem.

You communicate using the goggles’ microphone and speakers and can therefore be guided to solve the problem – without leaving the work site.

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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