

Hiab Jonsered Recycling Cranes



Product brochure



Turning waste into value

There was a time when waste was just waste. But those days are long gone. Today waste means business. And if you read this you are very likely as much a part of it as we are. Perhaps we share a common interest – to help our customers turn waste into value.

Different waste

Glass, metal, cars, plastics, paper. All is considered waste and all needs to be taken care of in the best way possible. But there is not just one way to collect household waste or empty glass containers downtown. In fact, how it is done differs – from country to country, city to city and company to company. One thing is in common though – the requirements on the equipment needed to get the job done.

Get the job done

People in the recycling business are hard and committed workers. For instance, when talking to drivers and owners of recycling cranes about everyday challenges nothing upsets them more than failing a customer. So, we do everything in our power to do our bit and provide precise, powerful and durable recycling cranes that face the music.

Hiab Jonsered S-boom cranes

S-boom system

Fast load cycles are especially important in recycling and timber handling. Such operations also require a boom system that endures the strain of repetitive load cycles day in, day out. The S-boom system can be customized for different outreaches. A S-boom crane can be parked stretched out over the load or platform, or over the truck cab.



Oil bath

To keep the slewing mechanism immersed in oil is a prerequisite in the heavy duty type of work that our cranes perform. The oil bath provides smooth and precise slewing and reduces wear on the mechanism, keeping repair and service costs to a minimum.

Three-point bridge

With the three-point bridge the driving characteristics of the truck are only minimally affected by the crane, so that riding in the truck cabin remains a smooth and comfortable experience. In addition the service life of both truck and crane is maximized. Please note, this features is not included in all models.

Swivelling couplings

Swivelling couplings increase the lifetime of hydraulic hoses. They can move more freely when the crane rotates which reduces wear. This means you spend less time on repairs and have lower maintenance costs and increased uptime. Please note, this features is not included in all models.

Oil cooler

Oil degrades in high temperatures. An additional oil cooler is therefore required together with a fixed pump on cranes in heavy duty when the oil heats rapidly. An oil cooler is also beneficial for cranes that do effective work under long hours.

Side supports for stability

Side supports, fitted on each boom extension, stabilize the boom laterally and minimize play.

JIC couplings

With JIC couplings the time it takes to service a crane is shorter. No additional parts or packings are needed, leading to secure coupling with mechanical tightening only. The service intervals are longer, keeping maintenance costs down.

Internal hose routing

The hydraulic hoses are well protected within the boom system. This keeps maintenance costs down and increases productivity. The highly wear resistant hoses have an impressively long service life and are easy to change. Two functions can be routed to the boom tip, making sure you can use the tools required for your application.

Double rack slewing

Double rack slewing gives the slewing motion a smooth start and is especially suitable for heavy duty applications. The end cushion dampens slewing effectively when approaching the limit. The double rack design is extremely reliable and also gives a high torque – keeping maintenance costs down and productivity up. Rack and pinion slewing provides reliable operation even on inclines or slopes. Please note, this feature is not included in all models.

VSL

Thanks to the VSL function drivers can give their full attention to driving the crane. The crane's intelligent system (SPACE) automatically takes care of the stability – something that improves safety for you and those around you.





S-boom cranes – customized to your needs

Long outreach, power, speed, excellent control properties, precision, comfortable seating and good view – these are basic characteristics of a Hiab Jonsered recycling crane. Top up with optional equipment to make it your very own crane, customized to your specific needs.



VSL optimises crane capacity

VSL is an electronic system that automatically senses how far the stabiliser legs are extended and whether they are firmly secured on the ground. This ensures an optimal balance between capacity and stability throughout the operating area, and it allows the crane operator to make full use of the crane without compromising safety – even if there is not enough space to extend one or both stabiliser legs fully.



HIAB JONSERED 900RS

Allowable loads (kg) – Outreach (m)											
0	1	2	3	4	5	6	7	8	9	10	11 m
J900RS71		2700	2170	1830	1530	1230					kg
J900RS79		2710	2080	1720	1450	1240	1040				
J900RS84		2740	2050	1660	1410	1200		940			
J900RS89			2080	1770	1480	1250	1080	920			
J900RS97			2000		1400		1020		790		
J900RS102			1960		1350		990			710	

HIAB JONSERED 1100RS

Allowable loads (kg) – Outreach (m)											
0	1	2	3	4	5	6	7	8	9	10	11 m
J1100RS71			3370	2670	2230	1850	1490				kg
J1100RS79			3420	2590	2120	1780	1520	1280			
J1100RS84			3430	2560	2060	1740	1480		1160		
J1100RS89				2610	2180	1810	1540	1330	1060		
J1100RS97				2520		1735		1270		990	
J1100RS102				2490		1680		1240		900	

HIAB JONSERED 1300RS

Allowable loads (kg) – Outreach (m)											
0	1	2	3	4	5	6	7	8	9	10	11 m
J1300RS71			3730	3010	2560	2230	1920				kg
J1300RS83			3800	2940	2440	2100	1800	1440			
J1300RS88			3630	2920	2470	2140	1860	1560	1250		
J1300RS96			3750	2870	2360	2020	1720			1230	

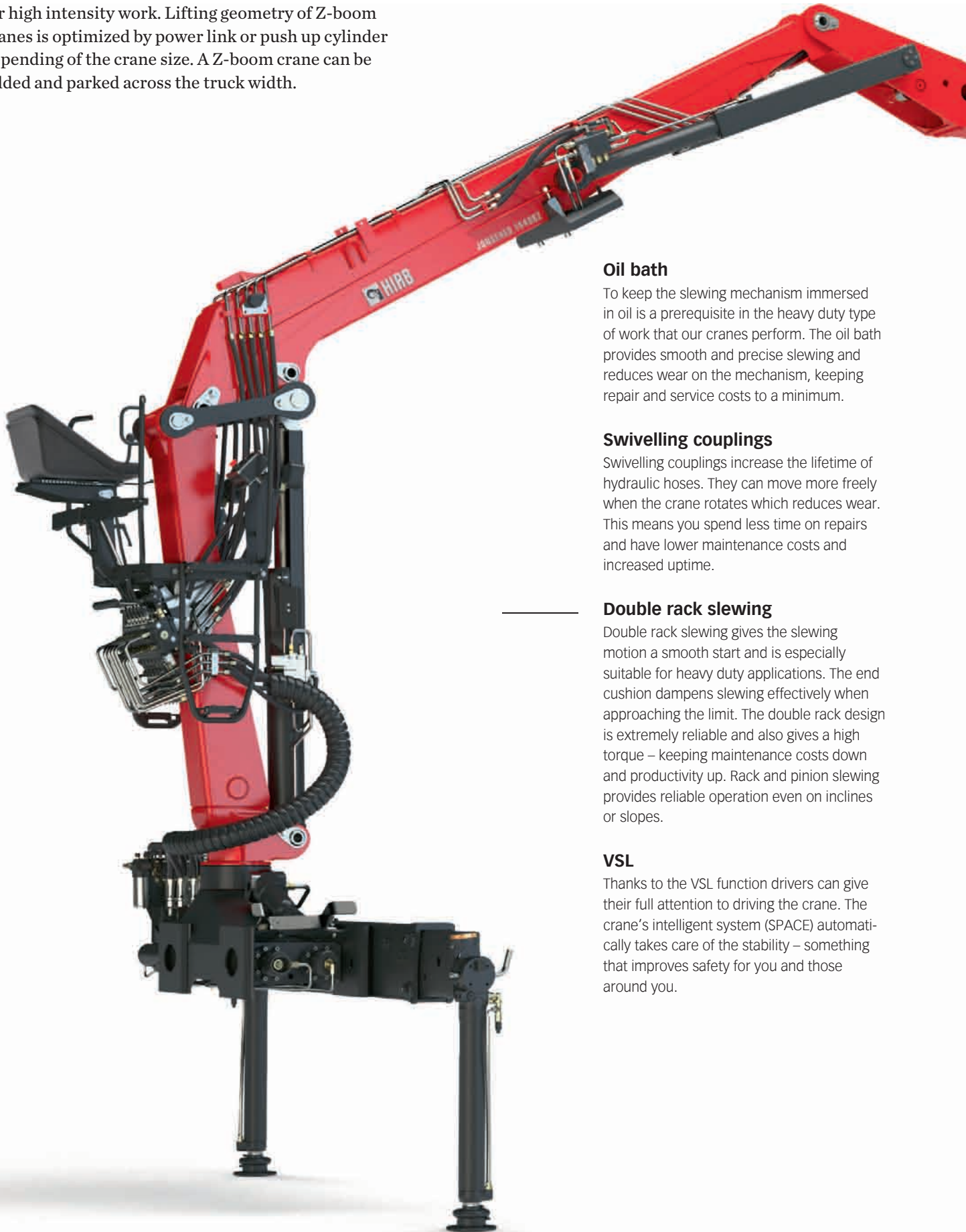
HIAB JONSERED 2490RS

Allowable loads (kg) – Outreach (m)											
0	1	2	3	4	5	6	7	8	9	10	11 m
J2490RS79				5850		4000		3100			kg
J2490RS85				5850			3400	2800			
J2490RS91					4600		3100	2500			
J2490RS95			6100			3500		2800		2350	
J2490RS107				4400				2700		2250	1940

Hiab Jonsered Z-boom cranes

Z-boom system

The capacity and durability of a Z-boom system are excellent. The design is very robust making it well suited for high intensity work. Lifting geometry of Z-boom cranes is optimized by power link or push up cylinder depending of the crane size. A Z-boom crane can be folded and parked across the truck width.



Oil bath

To keep the slewing mechanism immersed in oil is a prerequisite in the heavy duty type of work that our cranes perform. The oil bath provides smooth and precise slewing and reduces wear on the mechanism, keeping repair and service costs to a minimum.

Swivelling couplings

Swivelling couplings increase the lifetime of hydraulic hoses. They can move more freely when the crane rotates which reduces wear. This means you spend less time on repairs and have lower maintenance costs and increased uptime.

Double rack slewing

Double rack slewing gives the slewing motion a smooth start and is especially suitable for heavy duty applications. The end cushion dampens slewing effectively when approaching the limit. The double rack design is extremely reliable and also gives a high torque – keeping maintenance costs down and productivity up. Rack and pinion slewing provides reliable operation even on inclines or slopes.

VSL

Thanks to the VSL function drivers can give their full attention to driving the crane. The crane's intelligent system (SPACE) automatically takes care of the stability – something that improves safety for you and those around you.

Side supports for stability

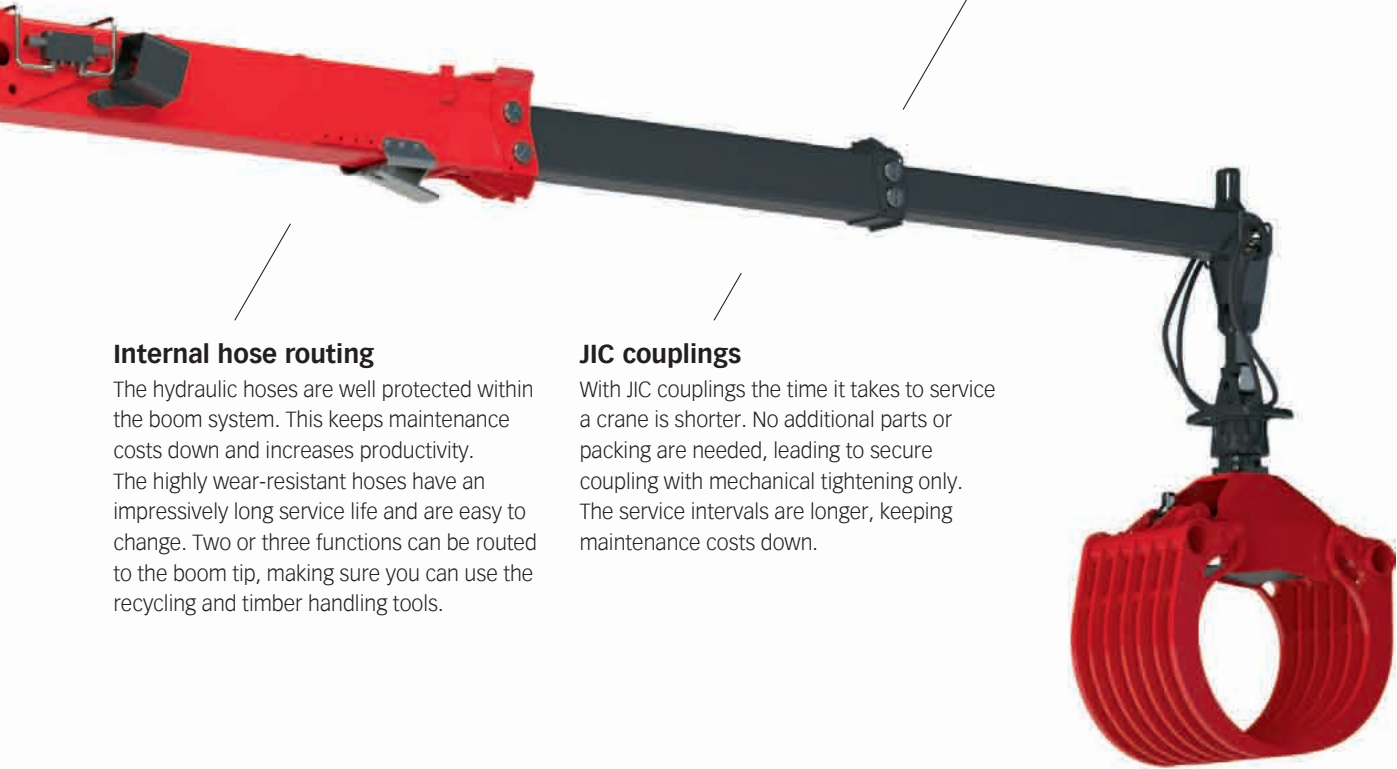
Side supports, fitted on each boom extension, stabilize the boom laterally and minimize play.

Internal hose routing

The hydraulic hoses are well protected within the boom system. This keeps maintenance costs down and increases productivity. The highly wear-resistant hoses have an impressively long service life and are easy to change. Two or three functions can be routed to the boom tip, making sure you can use the recycling and timber handling tools.

JIC couplings

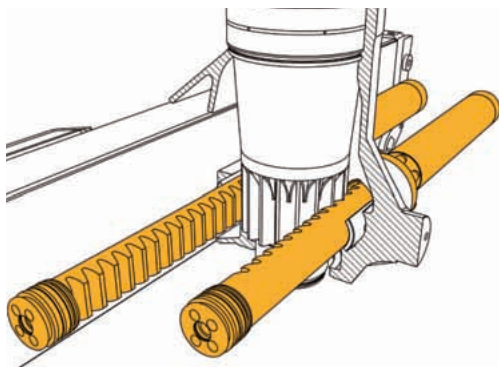
With JIC couplings the time it takes to service a crane is shorter. No additional parts or packing are needed, leading to secure coupling with mechanical tightening only. The service intervals are longer, keeping maintenance costs down.





Z-boom cranes – explore the full potential

Different loading duties set different requirements on the cranes. With a Hiab Jonserved recycling crane you can be sure of getting the most appropriate tool to fit your requirements.

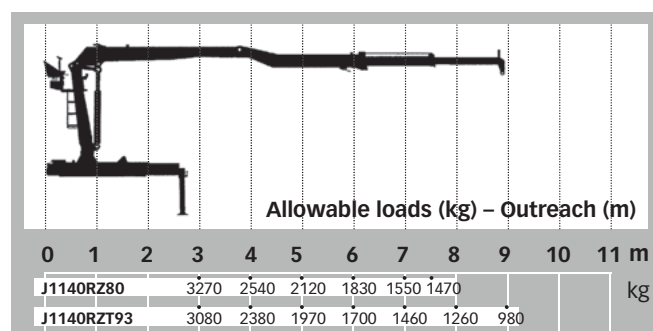


Double rack slewing prolongs service life

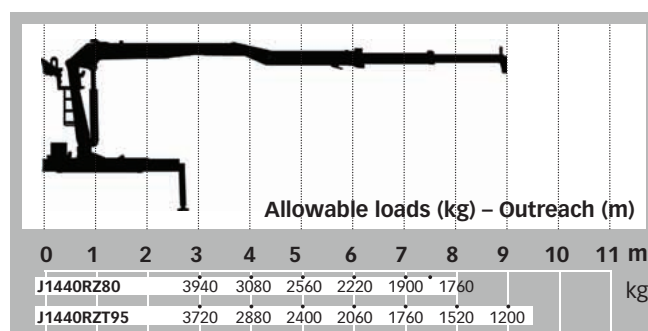
A savvy designed double rack slewing system contributes to higher performance and longer service life. It ensures slewing motion starts smoothly and the end cushion efficiently dampens slewing when approaching the limit. Double rack slewing is extra useful in heavy duty applications.



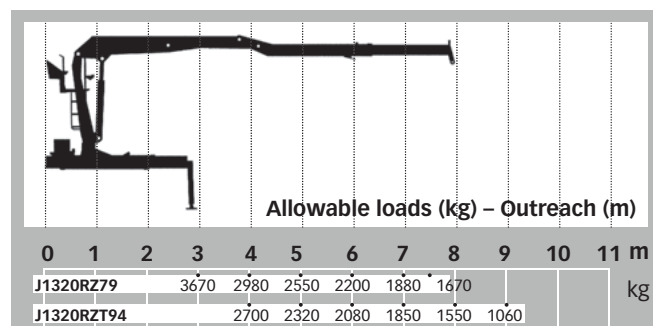
HIAB JONSERED 1140RZ



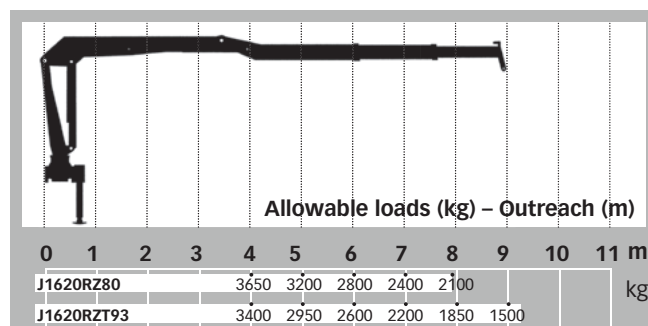
HIAB JONSERED 1440RZ



HIAB JONSERED 1320RZ



HIAB JONSERED 1620RZ



Features and benefits

Our recycling cranes are now fitted with numerous safety functions ranging from swivelling footplates to stabilizer warning lights. Then there are the more sophisticated solutions that are made possible thanks to our electronic SPACE intelligence system. Over Load Protection (OLP) is one, Variable Stability Limit (VSL) another and Automatic Dumping of Oil (ADO) a third.

SPACE 3000 intelligence system

The SPACE 3000 is our basic electronic system for intelligently monitoring and controlling electronic functions. Safety is managed by an Overload Protection (OLP) function and productivity is increased with Variable Stability Limit (VSL). In addition, the system handles functions primarily used by service personnel such as fault-code indication and load-cycle data.

Over Load Protection (OLP)

Overload Protection (OLP) monitors safety throughout the working area and has an emergency feature that enables the driver to escape from a jammed situation.

Variable Stability Limit (VSL)

VSL is a safety feature – developed to protect crane operators and people in the vicinity as well as the crane and vehicle – to ensure sufficient stability whilst handling loads. VSL regulates crane capacity in relation to actual stability whilst working – instantly. The position of each stabilizer leg is monitored and, if necessary, capacity is reduced.

Automatic Dumping of Oil (ADO)

The ADO function will significantly decrease wear on the hydraulic system, lower maintenance costs and fuel consumption. All this leads to a longer crane service life.

Valve 91M

Control valve, Valve 91M, together with new load holding valves provide the crane with an unsurpassed manoeuvrability and the operator with a fingertip feel when controlling the crane.

Swivelling footplates

Swivelling footplates adjust perfectly to ground inclination. This means that stabilizers always support the crane in the best possible way. The plates' size is sufficiently large to ensure that ground pressure is below the mandatory limit.

Stabilizer warning lights

The stabilizer warning lights are fitted on top of each stabilizer leg and are visible in a 270° field – virtually from all positions around the crane. The lights show pedestrians, passing traffic and people working in the vicinity of the crane that the crane is working.



High seat – comfortable and ergonomic

An ergonomic designed high seat provides an excellent view, allowing the operator to track the boom-tip through the entire slewing sector and minimizing blind angles. Once in the high seat the operator is also in very safe position. The control valve is mounted underneath the seat and in a lower position than conventional fitting.





Learn more about us

Hiab is the global market-leading brand in on-road load handling solutions. Customer-driven Hiab on-road load handling products and solutions are utilised in moving goods and materials on the road, for example in construction sites, forests, industry, waste handling, recycling and by the defence forces.

Sales and Service network

Cargotec'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 our customers, ready to give advice on applications and provide service and spare parts.

Disclaimer. We reserve the right to make changes. Illustrations, drawings and data are not always in accordance with the latest version or standard model in production. The models in the pictures may present special equipment or colours.

Cargotec improves the efficiency of cargo flows on land and at sea – wherever cargo is on the move. Cargotec's daughter brands Hiab, Kalmar and MacGregor are recognised leaders in cargo and load handling solutions around the world.
www.cargotec.com