



HARVESTER

FROM LIGHT THINNING TO TOUGH FINAL FELLING





COMPLETE PRODUCT RANGE UNDER CONTINUOUS DEVELOPMENT

We offer you a full harvester product range, manufactured in Sweden, of the highest quality using the latest technology. Our aim with the Harvester series is to be a leader in product development.

Rottne's product development is ongoing. By using the latest technology, we meet tomorrow's demand for increased productivity and profitability. For example, since the development of Rottne H21^D, we have further improved nearly 120 points since the launch to make it an even more efficient harvester.

We have also concentrated on the operator's work environment. Our spacious cabs offer extremely good visibility providing a fantastic work environment.

In addition, our cabs are also very quiet – in fact quieter than in a car. With the cab suspension system *Comfort Line* we give you first-class luxury comfort!









	H8 ^D Read more on the pages 14–15	H11 ^D Read more on the pages 16–17
Area of use	Stand-operating thinning	Strip road operating thinning, but also final felling
Optimum trunk diameter	5–20 cm	20–40 cm
Number of wheels	4	6 or 8
Wheels	500/60 x 26.5 / 600/55 x 26.5 / 710/45 x 26.5	6 WD: 710/40 x 24.5 / 710/55 x 34 8 WD: 650/45x24.5 / 710/40x24.5 / 800/40x24.5
Width	2050 / 2200 / 2420 mm	2830 mm
Weight	from 10,200 kg	6 WD from: 17,800 kg. 8 WD from: 18,900 kg.
Engine Power	125 kW / 168 hp. Stage V	164 kW / 220 hp. Stage V
Transmission Tractive force	137 kN	167 kN
Crane Lifting toque / Torque	80 kNm /17.3 kNm	193 kNm / 50.8 kNm
Crane Reach	7 m	10.3 or 11.3 m
Harvester head	Rottne EGS406, LogMax 3000	Rottne EGS596, SP461 LF, SP561 LF, Log Max 4000T, Log Max 5000
Other characteristics	Flotation tracks in wagon and front Multi-tree handling Variable transmission and pendulum arms Rottne Connect	Flotation tracks in wagon and front Multi-tree handling Rottne Connect
Popular options	Comfort Line Stump spray treatment Colour marking Central lubrication Oil diagnosis/particle counter Engine preheater Comfort Line	Comfort Line Stump spray treatment Colour marking Central lubrication Oil diagnosis/particle counter Engine preheater Bogie lift



ERGONOMIC OPERATOR STATION WITH FIRST CLASS COMFORT

Large windows provide excellent visibility

Low noise level – quieter than in a car

Comfort Line

Programmable buttons

Optimised LED work lights

LARGE AND COMFORTABLE CABIN

The spacious and comfortable cabin with its large windows provides an excellent view of the entire working area. The cabin swivels +/-90 degrees, levels 15 degrees and automatically follows the crane from side to side, but can also be controlled manually with joysticks.

COMFORT LINE – THE LEADER AMONG CABIN SUSPENSION SYSTEMS

The unique *Comfort Line* cab suspension system reduces shock and impact and makes driving in terrain significantly smoother. Initially *Comfort Line* was developed for our forwarders, but is also available in a version for the harvesters. *Comfort Line* was launched as early as 2007 – with the credentials of a well-proven system. Since its introduction, *Comfort Line* has been improved with updated software, more robust design and precision positioning.

SAME CABIN MODEL FOR ALL MACHINE MODELS

We have the same cabin for all our harvesters. The interior of the cabin, distribution box, computer equipment and control functions are, therefore, identical, which makes it easy for the operators to switch between our different machine models.

DIMMABLE LED LIGHTS

The new LED lamps are not just significantly better – they are also dimmable and positioned to substantially facilitate work and driving in the dark.

With this type of work lights you can maintain your concentration longer, stay alert longer, and thus enjoy a significantly better work environment.





You can even see the treetops!

QUIETER THAN IN A CAR

Noise levels in our cabins are quieter than in cars. Our cabins are leaders in ergonomics among the forestry machines.

63 dB (Rottne's harvesters)



▼ 70 dB (New cars)



GOOD ACCESS MAKE IT STRAIGHTFORWARD AND COMFORTABLE TO SERVE



The distribution box is easily accessed via a lock on the outside of the cab. The operator can also check fuses directly from the driver's seat.

SERVICEABILITY Is an important factor in Rottne's product development. It must be simple, convenient and easily accessible to perform maintenance, service, and repairs. Downtime is expensive for machine owners and high serviceability helps to reduce the time for maintenance, service, and repairs.

The entire rear section of the harvester, housing the engine and transmission, can be quickly opened up for inspection and servicing (1). The hinged belly plates facilitate servicing work, but also make the entire rear section very easy to keep clean (2).

A vacuum pump for the hydraulic system reduces oil spillage when e.g. replacing hoses. Electric pumps for diesel and hydraulic oil simplify filling (3). Troubleshooting on the electrical system can be performed via the operating screen of the machine's control system.

LESS RISK OF LEAKAGE

Our machines are equipped with hose couplings that have both a sealing cone and an o-ring to minimize the risk of leakage.





ONE OF THE BEST WARRANTIES IN THE ENTIRE INDUSTRY

3,000 working hours* on machine parts

3,000 hours* on labor costs for replacing the part

Travel cost up to 300 km per warranty case**

Labour cost on 100 working hours service

THE BEST QUALITY AND ACCOUNTABILITY

We have been developing and improving our forwarders and harvesters daily. This hard work, together with the Swedish strive for maximal effectiveness, has now resulted in the warranty standard reaching a whole new level.

We have now introduced new warranty terms for all newly produced forestry machines. We take responsibility for the quality of our product, and give extra purchasing security for our customers by striving to erase the possible disruptions in operations that our customers may be exposed to. Rottne's investment means that the company's machines leave the assembly halls with basic guarantees that are now among the best in the entire industry.

THE MOST GENEROUS WARRANTY

The new basic warranty foresees that Rottne Industri replaces for free of charge the machine parts that break down due to manufacturing or material defects up to 3,000 working hours*. We compensate the machine owner for the work it takes to change the part up to 3,000 hours*. We also cover the travel cost for the service technician, up to 300 km per warranty case, until the machine has worked for 500 hours**. Besides, we also cover the labour cost of the first service, which is done after 100 working hours.

For further information about Rottne's warranty please feel free to contact you local dealer.

^{*} Valid for 12 months (whichever occurs first).

^{**} Valid for 6 months (whichever occurs first).

SAVE TIME & MONEY WITH ROTTNE XPARTS



Shorten, or completely avoid, downtime

Low repair costs, on average 60 % of the price of a new part

Longer warranty than for new parts

Fast deliveries

Do you think it is unfortunate to have to buy new parts all the time? Does it feel wrong to throw components away? Would you prefer to repair parts and save money instead of throwing units away?

YOU SAVE TIME. Rottne Xparts is a fantastic alternative to make preventive changes and minimise the downtime of the machines. You can immediately order a replacement component from your dealer, install the working part, and quickly get your machine up and running again.

IN BRIEF, THIS IS HOW IT WORKS:

- 1. You order a replacement part from us. Express delivery is available.
- 2. You return the replaced unit to us within 30 days.
- 3. We repair the replaced unit, and you only pay the cost of repair.

YOU SAVE MONEY

When you replace a part, you get an exchange part from Rottne. You send the replaced part to us within 30 days. You only pay the actual repair cost. On average, this cost is 60% of the price of the new part, and never more than 90%.

YOU GET A BETTER WARRANTY

Rottne is proud of its Xparts system. Therefore, we offer you a 2,000 hour/12-month guarantee (whichever comes first) instead of 1,000 hours/6 months guarantee that we have for new spare parts.

YOU HELP TO REDUCE THE ENVIRONMENTAL IMPACT

With Rottne Xparts, you consume in a more sustainable way, because instead of a discarding an older unit, we restore it to a condition of a new, which extends the lifespan of the component. Reusing the existing components implies that minimal impact on the environment. This preventive approach also gives you the opportunity to increase the technical utilization of the components that have started to perform worse.

ROTTNE XPARTS COVER:

- Crane: pumps
- Control and measuring system: computers & levers
- **Hydraulics**: pumps
- Harvester head: saw & wheel motors
- Transmission: pumps, motors, wheel motors, differentials, bogie boxes, hub reductions, gearboxes and distribution gearboxes
- Misc.: Engine heater, Fogmaker



THE NEW GENERATION OF BUCKING COMPUTER – FORESTER

Powerful computer

Large touchscreen

Many setting options

Individually programmable buttons & keys

Stanford 2010 standard

ROTTNE FORESTER is a quick and easy-to-use bucking system that is used in all our harvesters. A large touchscreen used for both Forester and D5 computers shows information in a well-arranged manner and makes it simple to program different settings.

There are two choices to optimize bucking: (1) VALUE BUCKING H70*, or (2) PRIORITY BUCKING H60**. EtherCat technology has allowed all bucking calculations to be transferred from the harvester head to a protected location in the cab – which also make calculations faster.

Rottne Forester is built according to the standard Stanford 2010, which means continuous upgrades to improve communication and synchronisation between different units in forestry. The software also manages automatic reporting with standard PDF files. Rottne Forester allows to idividually program the button settings to suit your operating style. It gives you flexibility, if you prefer other button settings than Rottne's defaults.

With Rottne Forester, it is easy to produce automatic digital reports that could be sent directly to your company's office while you are still finishing your work with an object. It is also possible to print these reports using the cabin printer or copy to a USB flash drive.

*H70 (VALUE BUCKING)

Calculation of the tree is performed by the machine and the computer extracts maximum value for the forest owner.

**H60 (PRIORITY BUCKING)

More basic form of bucking where the operator programmes lengths/dimensions in a priority order.

THE ROTTNE D5 MACHINE CONTROL SYSTEM, which is based on

CAN-bus technology, controls and monitors the engine, transmission and crane. The system comprises a main computer and a number of control units on the machine. The operator can adjust settings for the crane, transmission and engine, monitor pressure, temperatures and fluid levels and perform troubleshooting via the touch screen. Alarms are indicated by visual and audible signals and in clear text on the screen.



ROTTNE offers a complete range of harvesters with a broad range of optional equipment, which allows to adapt machines to the application area and your goals in forestry. Among other options, it's possible to choose from a wide range of different harvester heads from ROTTNE, SP MASKINER and LOGMAX.





IDEAL HARVESTER FOR STAND-OPERATING THINNING

Variable transmission

Low fuel consumption

Good overall economy

Only 205 cm wide

Pendulum arms on the wheels

Rottne Traction Control

ROTTNE H8^D is the market-leading harvester for stand operating thinning – it is a compact and flexible machine with unique features. Depending on the thinning method, you can increase the distance between the strip road up to 40 meters and even avoid the strip roads completely.

Rottne $H8^D$ has a compact chassis, with a width starting from only 205 cm. The two-part chassis with an articulated joint in the centre produces precise tracking. When combined with its levelling capabilities, the variable transmission makes $H8^D$ extremely flexible and easy to drive, which creates the conditions for an undamaged stand.

DESIGNED FOR STAND-OPERATING THINNING

Rottne H8^D is an ideal harvester for stand-operating thinning and with various working route system options it can handle strip road distances without manual intermediate zone felling.

Since the machine works inside the stand, it is easier for the operator to decide which trees need to be thinned, this is because it is never more than 6–7 metres to the trees. The risk of damage to standing forest is also reduced considerably than if thinning were to be performed from a strip road 10–12 metres away.

PENDULUM ARMS GIVE UNIQUE TERRAIN QUALITIES

The pendulum arm technology evens out the steepness of the terrain in all directions. The four wheel arms have a large swing movement, which means levelling can equal out both lengthways and sideways inclines, as well as give good ground clearance over rocky and uneven terrain. Space requirements are minimised and weight distribution improved so that processing can be performed at full reach even laterally with maximum stability.



THINNING HARVESTER HEADS:



ROTTNE EGS406



LOG MAX 3000T

MARKET-LEADING HARVESTER FOR STAND OPERATING THINNING



ROTTNE TRACTION CONTROL ENSURES OUTSTANDING VARIABLE TRANSMISSION

The variable transmission has three different speed intervals. It ensures machine's great contact with the ground and full traction.

EFFECTIVE FOR BOTH THINNING AND FINAL FELLING

Low ground pressure

Bogie lift front and back

Powerful machine on a small scale

Six different harvester heads

Comfort Line



ROTTNE H11^D in 6 and 8-wheel designs, is an articulated-steered harvester for thinning and final felling. Powerful engine, hydrostatic transmission and articulated frame joint in the centre give Rottne H11^D excellent off-road performance and precise tracking. The harvester cabin offers superb operator comfort and excellent visibility over the work area. The levelling cabin with integrated cabin suspension, *Comfort Line*, turns +/- 90° and automatically follows crane slewing, but can also be controlled using separate joysticks.

BEYOND THE ORDINARY OPERATION

Rottne H11^D harvester with articulated steering works smoothly and performs perfectly on steep terrain and in marshy areas. The hydrostatic transmission with three gear stages works with a high tractive force and gives Rottne H11^D outstanding operating characteristics. 8WD and bogie lift on both axles ensure that Rottne H11^D has an extremely small turning radius.

CRANE WITH ENDLESS OPPORTUNITIES

The harvester crane RC185 is designed and developed for the Rottne H11 range. RC185 is a parallel crane that has a very powerful slewing base with tilt function and extremely high torque. The crane is available in two versions depending on the size of the head. In the standard design with a single telescopic arm, the range is 10.3 metres and with a smaller head and double telescopic arms the reach is 11.3 metres.



A TOTAL OF SIX DIFFERENT HEADS ARE AVAILABLE FOR ROTTNE H11^D

The bogie lift makes the harvester more flexible. It is particularly useful, for example, in narrow stands, wet or steep terrain, and when chains are used.

A FLEXIBLE HARVESTER FOR THINNING AND LIGHT FINAL FELLING



and wide tracks, Rottne H11^D is ideal for both steep terrain and wet ground. In addition, the ground pressure is very low.

THINNING HARVESTER HEADS:



LOG MAX 4000T

HARVESTER HEADS FOR COARSE THINNING AND FINAL FELLING:

ROTTNE EGS596



SP 561 LF LOG MAX 5000

Skogab AB invests in yet another H21^D

THE EFFECTIVE HEAVYWEIGHT IS THE NUMBER ONE CHOICE IN FOREST

All the positive impressions from the first Rottne H21 led Conny Johansson of Skogab AB to order yet another machine.

"Efficiency is so high that two forwarders are needed to keep pace. Rottne H21 is a large, reliable and stable machine that can handle dense forests," he adds.

Edward Johansson has the world's best workplace. The stunning vista from a rocky and steep hill gives a fascinating view of the Vetlanda district, where Skogab AB has stationed its new Rottne H21^D for the day. The dull, yet intense sound from the powerful engine, together with the eight wheels and a large rear section, create a commanding presence. With only 400 hours on the meter, its facto-

and the first generation of Rottne H21 was no exception.

"I'm pretty bold. When others see the situation as desperate, I usually buy new machines to be ready when things turn around. I feel safe in Rottne's hands and have had positive experiences with the first Rottne H21. That's why I didn't hesitate when the new series was launched," says Conny and emphasizes the unique opera-

"The machine gives the impression of being extremely light, it does not react noticeably to loading and just works on."

- CONNY JOHANSSON, SKOGAB AB

ry-new feeling remains intact.

Edward is an experienced and careful operator. He is a son of Conny Johansson, who started his company in Vetlanda more than 20 ago.

FEELING SAFE AS A ROTTNE CUSTOMER

Today, Conny Johansson is one of Rottne's most loyal customers.

"There is a unique and familiar spirit at Rottne. As a customer, you always feel important and prioritised," says Conny.

He is quick to test new products

tor comfort and a number of other updates.

THE OPERATOR'S WORKING ENVIRONMENT IN FOCUS

Silent and dampened running gives a good working environment. The cab can be swivelled 180 degrees and the large windows give an excellent overview. Comfort Line has been refined in the latest generation and reflects an impressive interplay between software and hardware for maximum comfort.

CARE FOR THE ENVIRONMENT

"Rottne H21 is a large, impressive and uniquely well balanced machine," says Conny and his sons. Skogab has also chosen eight wheels as standard on all their machines to save the terrain.

"It gives an amazing carrying capacity, which also means that it also sits perfectly on the truck when it's time to move."

Care for the environment and the landowners' ground is something Skogab works consciously with.

"We consider ourselves to be an environmental company that works actively to protect the land and environment. Sun, wind and clean water are all that are needed in order for the forest to grow. It is our job to care for mother earth," says Conny.

FUEL CONSUMPTION OF 0.34 LITRES/SUB

On the new Rottne H21, consumption per sawn cubic metre is down to 0.34 litres for certain felling. This is really low and Conny believes this figure is primarily due to the updated hydraulics.

"The machine gives the impression of being extremely light, it does not react noticeably to loading and just works on."

SKOGAB LIKES THE STRENGTH, THE LOW FUEL CONSUMPTION & THE CABIN



"The large and strong crane even takes large trees at full reach and this results in safe and reliable felling," adds Edward.

Rottne's spare parts exchange system - Rottne XParts - is also something they wish to highlight.

"To quickly receive exchange spare parts with a warranty and then only pay for the repair means you avoid unnecessary downtime." Help is never far away when you operate a Rottne.



WHEN ONLY THE BEST IS AN OPTION

More than 120 upgrades since the model launch in 2014

Large power resources

Strongest crane in the class

Fuel efficient

Handles steep terrain

500+225-litre fuel tanks

Six different harvester heads

ROTTNE H21^D was designed to be the best machine for optimal and efficient final felling in dense forest. Rottne H21^D is a stable harvester with significant power resources and an appropriately-dimensioned harvester head. The chassis, as well as the crane and harvester head, are designed to cope with this demanding work month after month while yielding the same good level of profitability.

POWERFUL, YET FUEL EFFICIENT

The components in Rottne H21^D have been chosen with great care and Rottne H21^D proved that it belongs to the elite class in terms of reliability and low operating costs. No matter what the rpm range is, the large cylinder volume of this powerful diesel engine always ensures high torque, which means the engine can handle operations at a relatively low engine speed.

Despite the engine being powerful, it is still extremely fuel efficient. Customers state that the fuel consumption is as low as 0.35 litre/sub, which means that with 500 and additional 225-litre fuel tanks, Rottne H21^D can operate for extremely long intervals without refuelling. In addition, it requires a 2–3 percent mixture of AdBlue, which is also extremely attractive.

STRONG CRANE WITH LONG REACH

The extremely powerful crane, RK250, has a tilting crane base and a reach of 10 metres. It is located directly above the bogie to give the harvester optimal stability, which is necessary to enable the large harvester heads to be used at full reach.

SIX DIFFERENT HARVESTER HEADS

In addition to our own heads Rottne EGS 706 and Rottne EGS 596, Rottne H21^D can also be equipped with Log Max 6000V, Log Max 7000, SP661 LF and SP761 LF.



ROTTNE EGS 706



ROTTNE EGS596



LOG MAX 6000V



SP661 LF



LOG MAX 7000



MORE THAN 65 YEARS OF INNOVATION AND DEVELOPMENT

Rottne's story began in the 1950's when the company's founder Börje Karlsson, helped his father in the forest. Loading was done manually back then, which made Börje think that the tractor ought to be able to do more. He constructued the "Börje's crane" connected to the tractor. It loaded the timber up onto the trailer. Consequently, the labor-intensive manual loading of timber was no longer needed.



The story of "Börje's crane" spread fast both in Sweden and around the whole world. In the 1960's, it was sold to many countries, including some more exotic countries, such as Tanzania and Chile.

In 1968, Rottne introduced its first forwarder - the Blondin, meaning The Blonde. It was a huge success among both machine owners and operators. The machine was extremely reliable, easy to operate and serve.



During a skiing vacation in 1976, Börje got the idea of what later became Rottne's first one-man-operated processor (the forerunner of today's harvester). The processor was mounted onto the Blondin forwarder and quickly became popular as it was also suitable for thinning. It was further developed, and in 1981 Rottne presented its first harvester.

1985

In 1985, the Blondin forwarder was replaced by the new Rapid series. The Rapid meant that the machines were built of components, instead of as previously, on a tractor body.

1995

During the 1990's, Rottne's new harvester series was developed. With its H-series Rottne showed its ambition to lead development in the field. H-series harvesters were developed to be reliable and easy to maintain machines that could process felling of large volumes. Besides, they were also designed to be versatile and comfortable for the operators. Besides, the overall economy of the machine has been also given centre stage.



During the 2000's Rottne's new F-series of forwarder was developed. A new operator's cabin with a leading-edge working environment was produced. The new and unique cabin suspension system *Comfort Line* was developed, which efficiently reduced vibration and bouncing.

Today

Rottne is a family-owned Swedish company with all development and production within the country. With our long history of development and innovation, as well as 250 dedicated employees and knowledgeable sales and service staff around the world. we are well-equipped to continue leading the development of forestry machinery. Rottne – First in Forest.





FIVE GOOD REASONS

TO CHOOSE A ROTTNE HARVESTER

SAFETY, COMFORT, AND ERGONOMICS

Your forestry machine is your work environment. We put the operator's safety and comfort first. A spacious cabin with large glass windows that give excellent visibility and overview, cabin levelling with *Comfort Line* and effective ACC climate control are some examples of this.

GREAT OVERALL ECONOMY

Your economy and the possibility to optimise the machine's profitability are always a part of our approach to product development. A few examples: reduced downtime through high serviceability, one of the best warranties in the forestry industry, a load sensing hydraulic system, fuel efficient engines that reduce fuel consumption, fast and highly productive harvester heads, smart frame design and powertrain provides the best possible accessibility.

HIGH PRODUCTIVITY

High productivity with the right machine in the right place. Our range of harvesters gives you the opportunity to select anything from a compact stand-operating machine to the pure final felling machine. All our machines are built based on our extensive knowledge of forestry and felling, in combination with our long-term close contact with you and your colleagues.

TRESPECT FOR ENVIRONMENT

We all have a shared responsibility for the forest and nature. Our machines use engines with highly efficient exhaust emission control, eco-oils that are biodegradable, vacuum pumps to minimise spillage during hose replacement, harvesters with low ground pressure and a material selection with consideration of the environment.

OUTSTANDING AFTER SALES AND ROTTNE XPARTS

A good machine is as good as the After Sales service is. Our extensive service network of dealers and service providers ensures you are never left alone. Highly trained technicians, quick delivery of spare parts and our unique exchange system for spare parts - Rottne Xparts - ensure a level of safety both you and your machine always wanted.



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