



FORWARDER

FROM COMPACT AND VERSATILE TO STURDY POWERHOUSE



FABULOUS DRIVER ENVIRONMENT & COMFORT

SERVICE-FRIENDLINESS & EASY ACCESS

VERY GOOD OVERALL ECONOMY

VERSATILE MACHINES WITH MANY OPTIONS

SAVE TIME & MONEY WITH ROTTNE XPARTS

F10^E F11^E F13^E

Application area	Thinning	Thinning and final felling	Thinning and final felling
Load capacity	10 tonnes	12 tonnes	14 tonnes
Number of wheels	8	8	8
Wheel sizes & dimensions	500/60 x 22.5, 600/50 x 22.5 or 710/40 x 22.5	710/40 x 24.5 or 800/40 x 24.5	710/45 x 26.5 or 800/40 x 26.5
Width	2,410, 2,580 or 2,793 mm	2,830 or 2,000 mm	2,980 or 3,090 mm
Service weight	from 14,500 kg	from 16,700 kg	from 19,900 kg
Engine Power	125 kW/168 hp (at 2000 rpm) Stage V	125 kW/168 hp (at 2000 rpm) Stage V	164 kW/220 hp (at 1800 rpm) Stage V
Transmission Tractive force	145 kN	167 kN	180 kN
Crane Lifting torque	105 kNm	105 kNm	125 kNm
Crane Reach	7.5/9.3/9.4 m	7.5 / 9.3 / 9.4 m	7.2 / 8.4 / 10 m
Load area	3.6–3.8 m ²	4.0-4.5 m ²	4.7–5.5 m ²
Equipment/ characteristics	Spacious cab with standing height, good visibility and high comfort 45° steering angle Powerful transmission Flexible bunk placement Hydraulically movable headboard	Spacious cab with standing height, good visibility and high comfort 45° steering angle Powerful transmission Flexible bunk placement Hydraulically movable headboard Balanced bogie	Spacious cab with standing height, good visibility and high comfort Steerable wagon with 54° steering angle Powerful transmission Flexible bunk placement Hydraulic height adjustable and movable headboard
Standard options	Rottne Connect Comfort Line Computer Windows 10 F30 Forwarder reporting GIS Geoinfo Central lubrication Bogie lift Crane tilt Dozer blade Balanced bogie Engine heater Rottne Crane Assistance Flash/warning light Extra IO	Rottne Connect Comfort Line Computer Windows 10 F30 Forwarder reporting GIS Geoinfo Central lubrication Bogie lift Crane tilt Dozer blade Extended front wagon frame Engine heater Rottne Crane Assistance Flash/warning light Extra IO	Rottne Connect Comfort Line Computer Windows 10 F30 Forwarder reporting GIS Geoinfo Central lubrication Bogie lift Crane tilt Dozer blade Balanced bogie Wide Load Engine heater Rottne Crane Assistance Flash/Warning Light Extra IO

F15^E F18^E F20^E

Final felling	Final felling	Final felling	Application area
15 tonnes	18 tonnes	20 tonnes	Load capacity
8	8	8	Number of wheels
710/45 x 26.5 or 800/40 x 26.5	710/50 x 30.5, 750/55 x 26.5, or 780/50 x 28.5	710/50 x 30.5, 750/55 x 26.5, or 780/50 x 28.5	Wheel sizes & dimensions
2,890 or 3,050 mm	3,000, 3,080, 3,200 or 3,230 mm	3,000, 3,080, 3,200 or 3,230 mm	Width
from 18,700 kg	from 22,400 kg	from 23,000 kg	Service weight
164 kW/220 hp (at 1800 rpm) Stage V	207 kW/278 hp (at 1700 rpm) Stage V	207 kW/278 hp (at 1700 rpm) Stage V	Engine Power
180 kN (XTF: 203 kN)	260 kN	270 kN	Transmission Tractive force
125 kNm	156 kNm	156 kNm	Crane Lifting torque
7.2 / 8.4 / 10 m	8.5 / 10.0 m	8.5 / 10.0 m	Crane Reach
4.8–5.7 m ²	4.8–6.8 m ²	4.8–8.4 m ²	Load area
Spacious cab with standing height, good visibility and high comfort Powerful transmission Flexible bunk placement Hydraulic height adjustable and movable headboard	Spacious cab with standing height, good visibility and high comfort Powerful and variable transmission Flexible bunk placement Hydraulic height adjustable and movable headboard	Spacious cab with standing height, good visibility and high comfort Wide Load Balanced bogie Powerful and variable transmission Flexible bunk placement Hydraulic height adjustable and movable headboard	Equipment/ characteristics
Rottne Connect Comfort Line Computer Windows 10 F30 Forwarder reporting GIS Geoinfo Central lubrication Bogie lift Crane tilt Dozer blade Balanced bogie Extended front and/or rear wagon frame Wide Load Engine heater Rottne Crane Assistance Flash/warning light Extra IO	Rottne Connect Comfort Line Computer Windows 10 F30 Forwarder reporting GIS Geoinfo Central lubrication Dozer blade Balanced bogie Extended front and/or rear wagon frame Wide Load Engine heater Rottne Crane Assistance Flash/Warning Light Extra IO	Rottne Connect Comfort Line Wide Load XL Computer Windows 10 F30 Forwarder reporting GIS Geoinfo Central lubrication Dozer blade Extended front and/or rear wagon frame Engine heater Rottne Crane Assistance Flash/Warning Light Extra IO	Standard options

F10^E

IDEAL FOR WORKING IN DENSE THINNING STANDS



Compact and agile – width from just 2,400 mm

45° steering angle

Powerful transmission in its class

Spacious cab with Comfort Line

Low ground pressure

Compatible for bearing tracks on all wheel pairs



ROTTNE F10^E

Rottne F10^E XS is an extra narrow version that is only 2,400 mm wide. It can be manoeuvred more easily in thinning forests.

COMPACT AND VERSATILE MACHINE WITH GOOD TRACKING

ROTTNE F10^E has all the features demanded of a solid thinning forwarder. Stability, flexibility and good tracking together with low ground pressure and good bearing capacity are typical characteristics for this machine. This makes its manoeuvrability when thinning even easier and matches perfectly together with the stand-operating thinning harvester Rottne H8^E.

LARGE AND SPACIOUS CAB WITH OPERATOR COMFORT IN FOCUS

The cab's large windows and low bottom edges provide fantastic visibility over the entire work area. A cab with a good combination of comfort and function creating an optimal work environment. As an option, Rottne F10^E can also be equipped with the *Comfort Line* cab suspension system that gives operators smooth and jolt-free terrain operation.

MANY OPTIONS TO ADAPT THE FORWARDER

Bogie lift, balanced bogie, crane tilt, double telescopic and dozer blade are examples of the extra equipment that can be selected to adapt the forwarder to different types of terrain and working conditions.



COMPACT AND VERSATILE FORWARDER DESIGNED FOR THINNING

Rottne F10^E is a small and versatile machine with good tracking, low ground pressure and good bearing capacity, which is ideal for thinning.

F11^E

A COMPACT FORWARDER IN THE INTERMEDIATE CLASS



Compact & versatile with large wheels

12 tonne load capacity

45° steering angle

Powerful transmission in its class

Spacious cab with Comfort Line

Compatible for bearing tracks on all wheel pairs



SMALL FORWARDER WITH LARGE WHEELS AND A HIGH LOAD CAPACITY

As Rottne F11^P is a small forwarder with large wheels, it has low ground pressure and good bearing capacity at the same time as a robust frame and high load capacity.

A STRONG WORKHORSE WITH GOOD LOAD CAPACITY

ROTTNE F11^E is an 8-wheel forwarder with a 12-tonne load capacity – a strong workhorse which with its high tractive force provides a soft and flexible operation in tough terrain. The low centre of gravity provides the forwarder with great stability. The frame has the same design as the larger Rottne forwarders and the central joint, which has a 45° steering angle, is located only 40 cm in front of the machine's centre point. This means that the wagon has very good tracking. Thanks to the Rottne F11^E being a small forwarder with large wheels, it has low ground pressure and good bearing capacity.

CRANE WITH DIFFERENT REACH OPTIONS

The cab is the same on all Rottne forwarders with high comfort and a modern design. Of course, it can be equipped with the cab suspension system *Comfort Line* which gives the operator smooth and impact free terrain driving. The crane is a Rottne RK105 with several extension options and a reach of 7.5 to 9.4 metres.

WIDE RANGE OF EXTRA EQUIPMENT

Crane tilt, double telescopic and dozer blade are examples of the extra equipment that can be selected to adapt the forwarder to different types of terrain and working conditions.



CRANE TILT MAINTAINS THE CRANE'S SWING FORCES IN STEEP TERRAIN

Tilt plate for the crane tower is extra equipment and is available for Rottne F10^E, F11^E, F13^E and F15^E. The crane tilt provides significant advantages when log-hauling on steep terrain.

The hydraulic tilt function, 5° forward / 28° backwards, means that the crane's net swing force can be maintained when the forwarder is working on inclines up to 30°. Keeping the crane tower vertical will not reduce the swing force of the crane's dead weight. In addition, it means the timber can be accessed easier while thinning on steep terrain.

F13^E

FLEXIBLE FORWARDER WITH ARTICULATED WAGON



Forwarder for thinning and final felling

Steerable wagon with 54° steering angle & precise tracking

Powerful chassis

Large wheels

Wide Load

Spacious cab with Comfort Line

Compatible for bearing or tractive tracks on all wheel pairs



A VERSATILE ALL-ROUND MACHINE FOR THINNING AND FINAL FELLING

ROTTNE F13^F is an all-round high performance forwarder for both thinning and final felling. The forwarder is equipped with 8 wheels and a load capacity of a full 14 tonnes. Hydraulically raised and movable headboard and front bunk makes Rottne F13^F very versatile when handling different timber lengths. Alternatively, the forwarder can be equipped with Wide Load adjustable bunks and hydraulic stakes, which increases the load area from 4.7 m² to 5.5 m².

ARTICULATED WAGON GIVES UNIQUE CHARACTERISTICS

Rottne F13^F has an articulated wagon giving unique capabilities when driving off-road. The extremely large steering angle and tight turning radius mean it is very compliant. The forwarder's powerful chassis can cope with the demands of final felling, but it is also ideal in light, dense thinning areas because of its unique wagon steering.

WAGON CONTROL REDUCES THE RISK OF DRIVING DAMAGE

Wagon steering is normally linked to the forwarder's frame steering, but it can also be controlled separately with a joystick. In this way, the Rottne F13^F becomes easier to manoeuvre, for example, when being reversed along a strip road. When frame steering and wagon steering are synchronised, the tractor vehicle and wagon follow identical paths, which reduces the risk of driving damage along strip roads.



POWERFUL CHASSIS AND STEERING WAGON GIVE A FLEXIBLE MACHINE

Rottne F13^F has a powerful chassis that can manage final felling, at the same time as the steering wagon with an extremely large steering angle of 54°, extremely small turning circle and accurate tracking makes it ideal for dense thinning.

F15^E

FIVE-STAR TECHNOLOGY, COMFORT AND FUNCTIONS



Robust design

Strong crane with long reach

Stable

Spacious cab with Comfort
Line

Wide Load

Bogie lift

Compatible for bearing or
drawing tracks on all wheel
pairs



FORWARDER FOR OPTIMUM PROFITABILITY

ROTTNE F15^E is a powerful forwarder with a 15-tonne load capacity. It is well suited for both coarser thinning and final felling, which provides good conditions for good overall economy.

ROBUST DESIGN WITH STRONG ARTICULATED JOINT

Rottne F15^E has a robust frame design with a powerful articulated joint and integrated articulated frame lock. The powertrain boasts a powerful diesel engine and hydrostatic transmission providing high tractive force, which ensures that the forwarder travels over rocky and steep terrain.

BOGIE LIFT FOR INCREASED FLEXIBILITY

Portal bogies and a wagon frame that is slightly tapered from the bogie forward provide good ground clearance. The bogie lift, which is extra equipment, makes the forwarder more flexible in some situations – for example in confined passages, wet or steep terrain and for moving between felling objects when chains are used.

WIDE LOAD GIVES INCREASED FLEXIBILITY

The front headboard and first bunk are hydraulically adjustable, while the other load bunks, which are screwed to the frame, can be moved into different positions along the frame. Alternatively, the forwarder can be equipped with Wide Load adjustable bunks and hydraulic stakes, which increases the load area from 4.8 m² to 5.7 m².

CRANE WITH LONG REACH AND PROTECTED HOSE ROUTING

The forwarder crane, RK 125, works rapidly and has good motion geometry and high lifting power. It has a range of 7.2 or 8.4 metres with a single extension unit or 10 metres with a double telescopic arm. All crane options have protected hose routing between crane tip and grapple – which applies to all our forwarders.



XTF - OPTION FOR INCREASED TRACTION.

With the optional XTF, you can get increased traction of the transmission.
(+13%)

Perfect for those who drive on steep terrain.

F18^E

STRONG AND STURDY FORWARDER FOR FINAL FELLING



Robust machine that withstands tough handling

Variable transmission - automatic, unique and strong

Strong and fast crane

Wide Load

Spacious cab with Comfort Line

Compatible for bearing or drawing tracks on all wheel pairs



POWERFUL, STABLE AND PRODUCTIVE LARGE FORWARDER

ROTTNE F18^E is a mighty forwarder with a load capacity of 18 tonnes, providing more efficient transport for long forwarder distances. The portal bogies, with large wide wheels, provide excellent bearing capacity and smooth and gentle travel. The wagon is available in two frame lengths and the load area has a very low centre of gravity.

AUTOMATIC TRANSMISSION WITH SUBSTANTIAL TRACTIVE FORCE

ROTTNE F18^E has a well-balanced powertrain with a diesel engine that can be run at a low working engine speed, as it achieves maximum torque between 1,000 and 1,500 rpm. The transmission is hydrostatic with two hydraulic motors in a 3-speed automatic gearbox that allows gear changing when fully loaded. With a tractive force of 26 tonnes a high speed can be maintained even at maximum load.

FAST CRANE WITH LONG REACH

The Rottne RK160 crane has top-class performance. The torsionally strong base, powerful lift capacity and a reach of up to 10 metres, means loading and unloading can be carried out quickly and efficiently.



260 KN TRACTION - STRONG AND UNIQUE TRANSMISSION

The variable hydrostatic transmission with a tractive force of a full 26 tonnes (260 kN) means that Rottne F18^E manoeuvres without problem irrespective of terrain and can maintain a high speed even at maximum load.

F20^E

POWERHOUSE FOR LARGE LOADS AND LONG FORWARDING DISTANCES



20 tonne load capacity

A powerhouse that
withstands tough handling

Wide Load or Wide Load XL

Variable transmission -
automatic, unique and strong

Strong and fast crane

Spacious cab with Comfort
Line

Compatible for bearing or
drawing tracks on all wheel
pairs



ROBUST FORWARDER FOR EFFICIENT TRANSPORT

ROTTNE F20^E is a robust forwarder with a very large load capacity of fully 20 tonnes, making it perfect for transporting long forwarder distances. The balanced bogies, with large wide wheels, provide excellent bearing capacity and smooth and gentle travel.

STRONG ENGINE AND AUTOMATIC GEARBOX

ROTTNE F20^E has a well-balanced power train with a diesel engine that can be run at a low working engine speed, as it achieves maximum torque between 1,000 and 1,500 rpm. Rottne F20^E has automatic transmission and the variable hydrostatic transmission with a tractive force of fully 27 tonnes (270 kN) means that Rottne F20^D can manoeuvre without problem irrespective of terrain and can maintain a high speed even with maximum load.

FAST CRANE WITH LONG REACH

The crane with designation RK 160 has top-class performance. RK160 has a large oil flow and the valve package is mounted on the crane close to the cylinders, instead of on the machine chassis, which means the crane remains fast. The torsionally strong base, powerful lift capacity and a reach of up to 10 metres, means loading and unloading can be carried out quickly and efficiently.

WIDE LOAD XL PROVIDES A LOAD CAPACITY OF UP TO 8.4 M²

Rottne F20^E has the Wide Load adjustable load area as standard and Wide Load XL is available as an option. The adjustable load area with a load capacity of up to 8.4 m² means operating times are kept to a minimum while allowing more logs per load. Rottne F20^E is the forest's major forwarder for efficient transport!



ADJUSTABLE LOAD AREA WITH WIDE LOAD OR WIDE LOAD XL

Wide Load (also available for Rottne F13^E, F15^E and F18^E) involves a width adjustable load area with mechanically width adjustable bunks and hydraulically width adjustable headboard.

Wide Load XL (only available for Rottne F20^E) has a variable load area with hydraulic stakes and hydraulically width adjustable headboard.

Both areas give better load balance as the weight is distributed across the width instead of height. Wide Load XL also offers smoother, faster and easier handling during both loading and unloading.

GOOD ACCESS MAKES IT EASY AND COMFORTABLE TO SERVICE



The distribution box with fuses, relays, and computers is well positioned for easy access and checking via a hatch on the outside of the cab.

The operator can check fuses from his position in the operator's seat on a blown fuse indicator.

Serviceability is an important factor in development work **OF ALL ROTTNE MACHINES**. It must be easy, convenient and easily accessible to perform maintenance, service and repairs. Downtime can prove expensive for machine owners and through fast availability the time can be reduced for maintenance, servicing and repairs.

The engine compartment is quickly accessible when the engine hood is folded forward **(1)** and the belly plate is easily lowered down **(2)**. The tilting cab opens up the entire power train for inspection and service **(3)**. The cab has such a large tilt angle that heavier components can be lifted out from the tractor frame using basic lifting equipment.





USER-FRIENDLY FORWARDER COMPUTER

The communication between harvesters, forwarders and clients is becoming increasingly important in order for work in the forest to become rational and productive. Naturally our forwarder computer is compatible with Stanford 2010-standard, but also manages automatic reporting with standard pdf-files.

We offer an advanced forwarder computer with the latest software, Forester F30 and GeoInfo, and GPS equipment as standard. This software has been designed to facilitate planning and reporting as well as enable a high degree of accuracy in follow-up. The forwarder computer consists of a powerful computer and a large touchscreen and is also available without any pre-installed software. It is also possible to purchase an extra slave screen that can be mounted forward to further improve workflow.

FORESTER F30 – FACILITATES FOLLOW UP

Production files from the harvester are received in the forwarder computer. With the help of this, forwarder reporting then shows how much timber has been driven out to the road – and where it is located – for onward transport by truck. The forwarder computer also produces operations follow-up, which shows the machine owner how efficient the operator and machine perform.

GEOINFO – FOR EFFICIENT FORWARDING

GeoInfo is an option to plan and increase the efficiency of forwarding. This software enables information such as production files and maps with working routes to be transferred from the harvester to the forwarder to facilitate transport planning and ensure that all felled timber is collected.

BOGIE LIFT FOR INCREASED FLEXIBILITY



We have equipped our forwarders with bogie lift for more than 30 years. The bogie lift is individual, which means that the right and left-hand bogies can be controlled separately. The bogie lift makes the forwarder more flexible in different situations – for example in confined passages, wet or steep terrain and for moving between felling objects when chains are used – when wheels with chains can be lifted up.

(available for Rottne F10^E, F11^E, F13^E and F15^E)



ROTTNE
first in forest