



Forest Technology for Pros

4-Wheel-Skidder
4-, 6- and 8-Wheel-Combinationmaschinen





About us	4
4-Wheel-Skidder NF140-4R/S	6
4-Wheel-Machines NF160-4R NF170-4R NF210-4R	8
4-Wheel-Machine all-wheel steered KL100	16
6-Wheel-Machines NF160-6R NF210-6R	20
8-Wheel-Machines NF160-8R	25



„What are always keeping in mind: The customer is **king.**“

Otmar Noe, company founder

The name of Noe is a byword for quality from the Forest of Odes since 1969. To our customers belong besides forestry enterprises and community facilities also industry clients from all of Europe.

With currently about 80 employees the Otmar Noe GmbH, located in Mudau, is developing and producing vehicles, drivers cabins and

devices for the usage under difficult circumstances for agriculture and forestry. In accordance with our motto: “Nothing is impossible” we are constantly in search of new developments, which will simplify and improve the work in the forest for our customers. Our quality management is DIN ISO 9001:2008 certified, we are specialized company in welding DIN 18800- 7:2002-09

and DIN EN ISO 3834 certified. Furthermore we authorized to weld static and dynamic freight components.



Our corporate history

before 1969

Blacksmith's shop in Steinbach (Forest of Odes). Reparation of farm machinery, shoeing of horses, sale of farm machinery.

1974

Move to the current location in Mudau.

1996

First steps into the new technology, laser technology due to an investment in a laser cutting device.



Foundation

since 1969

Vendor parts for utility vehicle industry, mostly turned parts.

1977-2008

Continuous expansion of the production area from 600 m² to 5000 m².



1998

First appearance at a forestry fair and revealing of the NF120 and NF160 skidder series.

2004

Redevelopment and delivery of the first 6-Wheel-skidder NF210-6R.

2014

Redevelopment and first delivery of NF160-8R.

2000

1997

Delivery of the first NF129 special-skidder.

2002

Development of a one-in-a-kind Combination machine on an all-wheel steered basis. The KL100 was delivered to the customer in the same year.

Today

2012

Redevelopment and delivery of the first NF160-6R.

NF140-4R/S

4-Wheel-Skidder articulated



small, light and economical

As a pure cable machine the NF140 enables an economical alternative. With it's attached crane the NF140 is a truly powerful combination

Like all our skidders the NF140 provided with the attributes sturdy, powerful, easy to service, durable and innovative.

The NF140, our entry-level model.



NF160-4R

4-Wheel-Special-Skidder articulated



Powerful and individual

The NF160 is the machine with the most realized special customer requests.

Even its basic version is complete and leaves no wishes unfulfilled.

Nevertheless, the NF160 can become a customized skidder due to various special solutions, which don't disturb the outstanding Cost-effectiveness.

The NF160, the powerful alternative.



NF170-4R

4-Wheel-Special-Skidder articulated

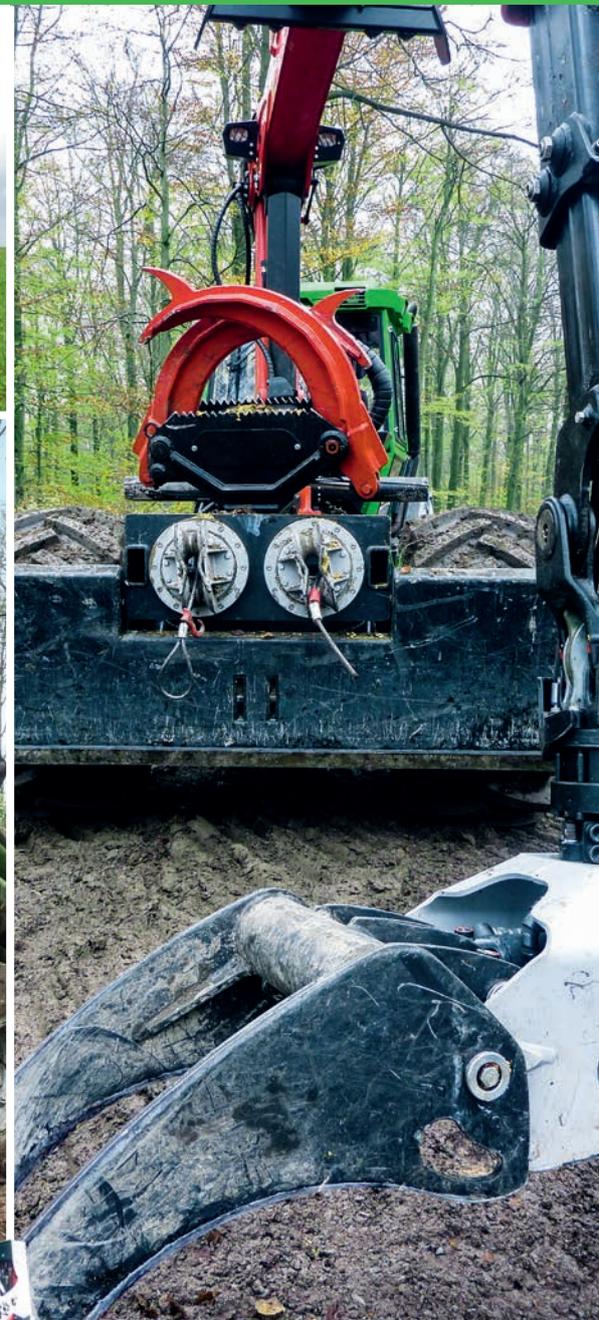


Powerful and individual

The NF170 is the logical advancement of the NF160-4R to a Forwarder. It's powered by the hydrostatic 2-engine-solution like his older brother NF210-4R. This leads not only to an outstanding tractive output but in addition to a working speed of up to 16 km/h. Due to his nearly on the rear

axle located clam-bank the customer receives one of the most powerful 4-wheel-clam-bank-skidders from this performance category on the marked.

The NF170-4R, the Clam-Bank Machine.



NF210-4R

4-Wheel- Special-Skidder articulated



The power package

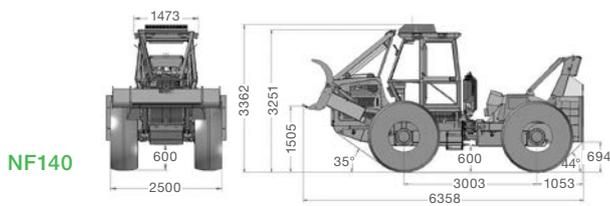
The best performance and the mit best profitability. The NF210-4R unites all attributes which characterize successful companies.

Intelligent clam-bank solutions, developed in collaboration with the

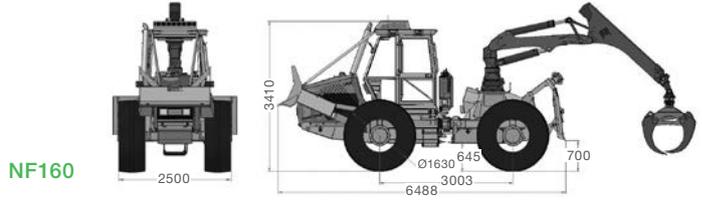
practicians of the forestry, are our strength. You will benefit from these developments, too.

The NF210-4R is simply fun.





NF140



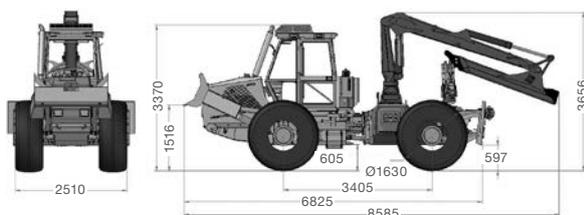
NF160

Technical specifications	NF140-4R	NF160-4R
Engine	4-cylinder FPT diesel-turbocharger direct injection	6-cylinder FPT diesel-turbocharger direct injection
Power	110 kW (150 hp)	151 kW (205 hp)
Consumption	about 4-6 ltr.	6-9 ltr.
Drive train	Hydrostatic Drive 2-gear transfer case 1. gear 0-12 km/h 2. gear 0-38 km/h	Hydrostatic Drive 2-gear transfer case 1. gear 0-12 km/h 2. gear 0-38 km/h
Axles	NAF Planetary live Axles, 100% differential lock connect	
Load Sensing Hydraulic	Max. 209 ltr./min. With 320 bar	Max. 209 ltr./min. With 320 bar
Measures	L/W/H 6.100/2.500/3.350 mm Wheel base: 3.000 mm	L/W/H 6.500/2.500/3.400 (3700 H with crane) mm Wheel base: 3.000 mm
Weight without surcharge	From 10.8 tons	From 11.3 tons
Weight with surcharge	From 12.2 tons	From 12.8 tons
Turning circle in/out	7.100/12.100 mm	7.100/12.100 mm

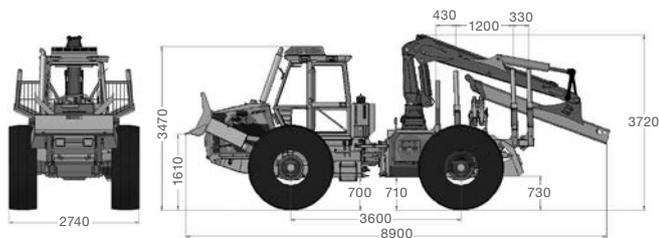
**The flowing options are just examples and are referring to our Standard models. Individual changes are always possible.
Optional: winches for different vehicle types with up to 2x16 tons possible.**

Winch	Ritter S66 D8 2x8 tons, Rope capacity 2x120 m hydrostatic drive, 2 speeds, overall tractive force till 16 tons. (Optional)	
Crane	Epsilon M8R72, lift torque 73 kNm	Noe-KRZ6000, lift torque. 98 kNm
Operating range	7.2-8.0 m (Optional)	6.6 m
Swiveling Moment	26 kNm	33.1 kNm
Alternative Crane	Loglift F81R65	Epsilon S110/120R72-8.0, lift torque 102/114 kNm
Operating range	6.5 m	7.2 – 8.0 m
Front shield	Lifting in basic version, customized shields on demand.	
Rear shield	Realization as L-shield, straight shield or bucket shield. Customized shields on demand.	
Breaks	Dual circuit breaking system with wet multiple disc breaks in front or rear axle, parking breaks as spring-applied multiple disc breaks in front and rear axle.	
Electric	Voltage 24 V	
Cabin	Spacious, low noise drivers cabin, low vibration bearing with integrated roll-over protection meets ROPS/FOPS standards, Pneumatically suspended comfort swivel seat with attenuation in cross and longitudinal direction, joysticks for steering, shield, crane and rear shield are fitted on the arm rest. Driving for- and backward with joystick or pedal. Cabin tiltable to both sides by hand pump. Lightning is provided by the use of 2 front, back and lateral working headlights. Windshield- and rear wiper.	
Clam-Bank	-	-
Tires	23.1-26 16PR	23.1-26 16PR / 28L-26 20PR
Filling Quantities	Diesel 180 ltr. Hydraulic oil 170 ltr.	Diesel 180 ltr. Hydraulic oil 170 ltr.
Hydraulic oil	Panolin HLP Synth. 46 incl. Bypass filter	

NF170



NF210



Technical specifications	NF170-4R	NF210-4R
Engine	6-cylinder FPT diesel-turbocharger direct injection	6-cylinder FPT diesel-turbocharger direct injection
Power	129 kW (150 hp)	151 kW (205 hp)
Consumption	about 6 – 9 ltr.	7 – 10 ltr.
Drive train	Hydrostatic Drive 2-gear transfer case 1. gear 0-16 km/h 2. gear 0-38 km/h	Hydrostatic Drive 2-gear transfer case 1. gear 0-13 km/h 2. gear 0-38 km/h
Axles	NAF Planetary live Axles, 100% differential lock connect	
Load Sensing Hydraulic	Max. 286 ltr./min. With 320 bar	Max. 286ltr./min. With 320 bar
Measures	L/W/H 6.800/2.500/3.400 (3700 H with crane) mm Wheel base: 3.000 mm	L/W/H 7.100/2.750/3.470 (3.720 H with crane) mm Wheel base: 3.000 mm
Weight without surcharge	From 11.4 tons	From 13.3 tons
Weight with surcharge	From 12.9 tons	From 16.0 tons
Turning circle in/out	7.200/12.200 mm	7.300/12.800 mm

**The flowing options are just examples and are referring to our Standard models. Individual changes are always possible.
Optional: winches for different vehicle types with up to 2x16 tons possible.**

Winch	Ritter S66 D8 2x8 tons, Rope capacity 2x120 m hydrostatic drive, 2 speeds, overall tractive force till 16 tons. (Optional)	
Crane	Epsilon S110F86, lift torque 104 kNm	Epsilon X140F80, lift torque 123 kNm
Operating range	7.2 – 8.60 m	7.2 – 9.60 m
Swiveling Moment	33.1 kNm	43.0 kNm
Alternative Crane	Epsilon S110/120R72-8.0, lift torque 102/114 kNm	X 150 R80
Operating range	7.2 – 8.0 m	-
Front shield	Lifting in basic version, customized shields on demand.	
Rear shield	Realization as L-shield, straight shield or bucket shield. Customized shields on demand.	
Breaks	Dual circuit breaking system with wet multiple disc breaks in front or rear axle, parking breaks as spring-applied multiple disc breaks in front and rear axle.	
Electric	Voltage 24 V	
Cabin	Spacious, low noise drivers cabin, low vibration bearing with integrated roll-over protection meets ROPS/FOPS standards, Pneumatically suspended comfort swivel seat with attenuation in cross and longitudinal direction, joysticks for steering, shield, crane and rear shield are fitted on the arm rest. Driving for- and backward with joystick or pedal. Cabin tiltable to both sides by hand pump. Lightning is provided by the use of 2 front, back and lateral working headlights. Windshield- and rear wiper.	
Clam-Bank	NOE1.9 – 1,45 m ² Customized on demand	NOE2.1 – 1.7 m ² Customized on demand
Tires	23.1-26 16PR / 28L-26 20PR	24.5-32 20PR / 30.5L-32 20PR
Filling Quantities	Diesel 210 ltr. Hydraulic oil 250 ltr.	Diesel 210 ltr. Hydraulic oil 250 ltr.
Hydraulic oil	Panolin HLP Synth. 46 incl. Bypass filter	

KL100

4-Wheel-Special-Skidder all-wheel steered



More clam-bank is simply not possible

The KL100 unites logging of short and long logs like no other skidder in the 4-wheel sector.

It's all-wheel steering provides an unbelievable maneuverability.

Because of the possibility to switch to "dog-like walk" steering difficult driving maneuvers are no problem anymore.

The KL100 – powerful and high torque.

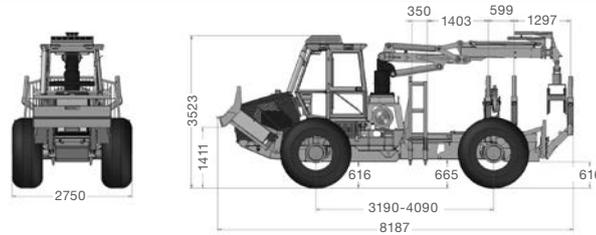




What is so special about the KL100?

- > The hydraulic clearance-extension between axles
- > The all-wheel steering
- > The Clam-Bank is mounted on the rear axle





Technical specifications	KL100
Engine	6-cylinder FPT diesel-turbocharger direct injection
Power	129 kW (150 hp)
Consumption	about 6-9 ltr.
Drive train	Hydrostatic Drive 2-gear transfer case 1. gear 0-13 km/h 2. gear 0-35 km/h
Axles	NAF Planetary live and tandem Axles, 100% differential lock connect
Load Sensing Hydraulic	Max. 209 ltr./min. With 320 bar
Measures	L/W/H 7.278/2.740/3.350 mm Wheel base: 3.200 – 4.100 mm
Weight without surcharge	From 12.4 tons
Weight with surcharge	From 14.8 tons (incl. crane)
Turning circle in/out	7.100/12.100 mm

**The flowing options are just examples and are referring to our Standard models. Individual changes are always possible.
Optional: winches for different vehicle types with up to 2x16 tons possible.**

Winch	Ritter S66 D8 2x8 tons, Rope capacity 2x120 m hydrostatic drive, 2 speeds, overall tractive force till 16 tons. (Optional)
Crane	Noe-KRZ7000, lift torque 93 kNm
Operating range	7.2 m
Swiveling Moment	33.1 kNm
Alternative Crane	Epsilon S120R72, lift torque 114 kNm
Operating range	7.2 - 8.0 m
Front shield	Lifting in basic version, customized shields on demand.
Rear shield	L-shield
Breaks	Dual circuit breaking system with wet multiple disc breaks in front or rear axle, parking breaks as spring-applied multiple disc breaks in front and rear axle.
Electric	Voltage 24 V
Cabin	Spacious, low noise operator's cabin, low vibration bearing with integrated roll-over protection meets ROPS/FOPS standards, Pneumatically suspended comfort swivel seat with attenuation in cross and longitudinal direction, joysticks for steering, shield, crane and rear shield are fitted on the arm rest. Driving for- and backward with joystick or pedal. Cabin tiltable to both sides by hand pump. Lightning is provided by the use of 2 front, back and lateral working headlights. Windshield- and rear wiper.
Clam-Bank	NOE2.1 - 1.70 m ²
Forwarder body	Separate pluggable incl. Safety barrier, last post in rear shield
Load area	11.5 m ³
Tires	28L-26 20PR (Standard), 23.1-26 16PR (Opt.)
Filling Quantities	Diesel 160 ltr, Hydraulic oil 170 ltr.
Hydraulic oil	Panolin HLP Synth. 46 incl. Bypass filter



NF160-6R

6-Wheel-Combination-Machine articulated

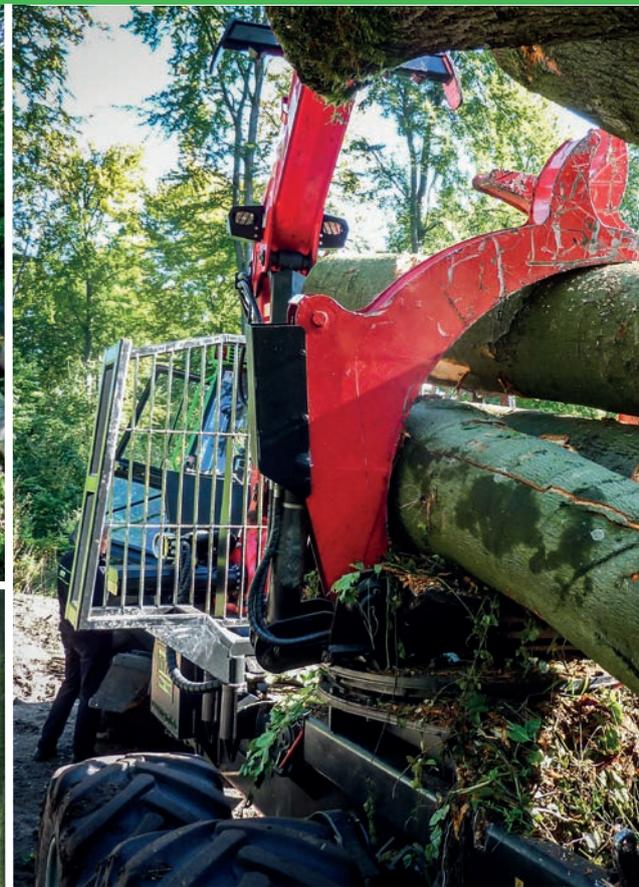


Fast, combined and powerful

The NF160-6R is the consequent extension of our combination-machine-strategy. From the basis of the successful NF160 a 6-wheel machine came into being, which holds up to the following demands from customers after the attributes:

- > fast
- > combined
- > light
- > powerful
- > long-living
- > innovative

The NF160-6R – the updated NF160.



NF210-6R

6-Wheel-Combination-Machine articulated



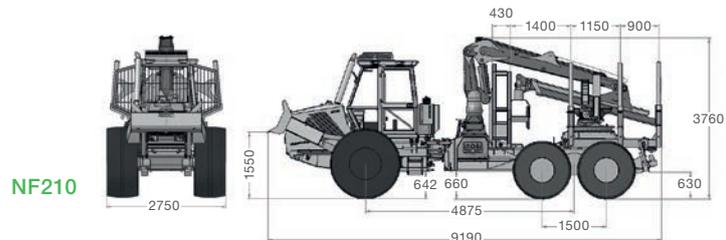
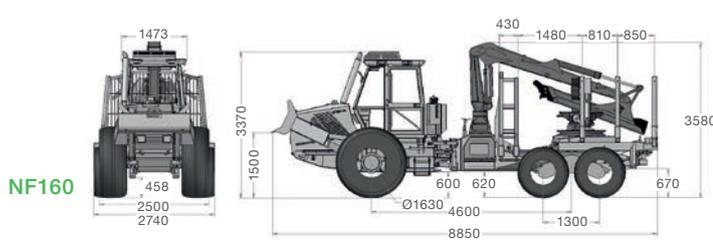
Great power for businessmen

The NF210 got all the elements which characterize a successful combination-machine. It uses the greatest and strongest crane available, a powerful clam-bank and 14 tons net load capacity with close-cropped logs. Naturally, you also get a double-winch

and a lot of other features, which will make your job easier.

The NF210: A machine for businessmen.





Technical specifications	NF160-6R	NF210-6R
Engine	6-cylinder FPT diesel-turbocharger direct injection	6-cylinder FPT diesel-turbocharger direct injection
Power	129 kW (150 hp)	151 kW (205 hp)
Consumption	about 6-9 ltr.	9-12 ltr.
Drive train	Hydrostatic Drive 2-gear transfer case 1. gear 0-16 km/h 2. gear 0-38 km/h	Hydrostatic Drive 2-gear transfer case 1. gear 0-13 km/h 2. gear 0-32 km/h
Axles	NAF Planetary live and tandem Axles, 100% differential lock connect	
Load Sensing Hydraulic	Max. 286 ltr./min. With 320 bar	Max. 286 ltr./min. With 320 bar
Measures	L/W/H 8.300/2.500/3.700 mm Wheel base: 4.600 mm	L/W/H 8.700/2.750/3.800 Wheel base: 4.8750 mm
Weight without surcharge	From 13.4 tons	From 15.0 tons
Weight with surcharge	From 16.3 tons incl. crane	From 16.8 tons
Turning circle in/out	7.200/12.200 mm	10.500/16.800 mm

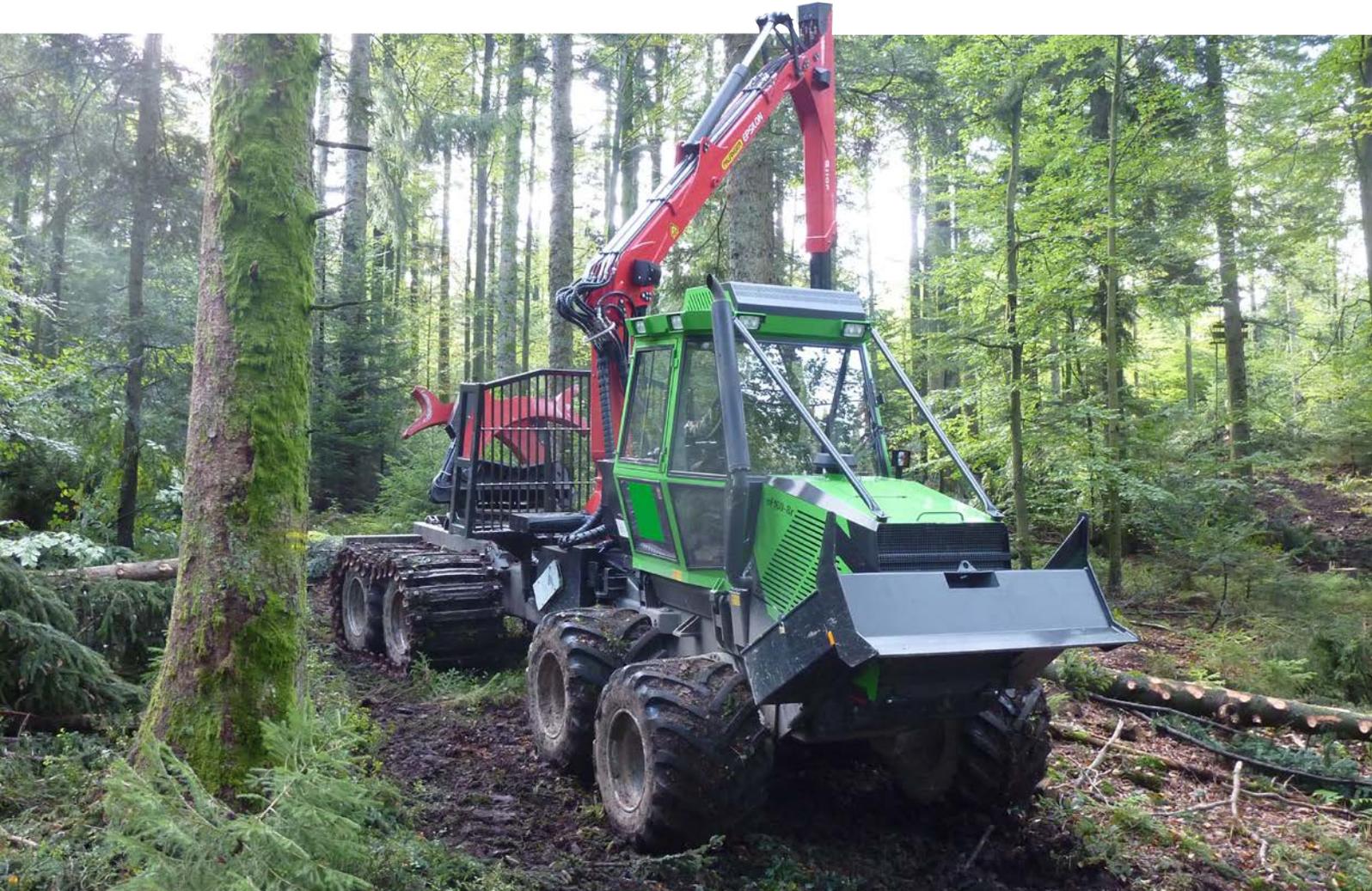
**The flowing options are just examples and are referring to our Standard models.
Individual changes are always possible.**

Optional: winches for different vehicle types with up to 2x16 tons possible.

Winch	Ritter S66 D8 2x8 tons, Rope capacity 2x120 m hydrostatic drive, 2 speeds, overall tractive force till 16 tons. (Optional)	
Crane	Epsilon S110F86, lift torque 143 kNm	Epsilon X140F102
Operating range	8.6 - 10.1 m	10.2 m (other ranges on demand)
Swiveling Moment	36.0 kNm	40 kNm
Front shield	Lifting in basic version, customized shields on demand.	
Rear shield	Realization straight shield. Height adjustable with rear view camera	
Breaks	Dual circuit breaking system with wet multiple disc breaks in front or rear axle, parking breaks as spring-applied multiple disc breaks in front and rear axle.	
Electric	Voltage 24 V	
Cabin	Spacious, low noise drivers cabin, low vibration bearing with integrated roll-over protection meets ROPS/FOPS standards, Pneumatically suspended comfort swivel seat with attenuation in cross and longitudinal direction, joysticks for steering, shield, crane and rear shield are fitted on the arm rest. Driving for- and backward with joystick or pedal. Cabin tiltable to both sides by hand pump. Lightning is provided by the use of 2 front, back and lateral working headlights. Windshield- and rear wiper..	
Clam-Bank	NOE2.5 - 1.8 m ² - Customized on demand	NOE3.1 - 2.1 m ² - Customized on demand
Forwarder body	Devided loading, seperate removable. Customized solutions on demand	Separate pluggable incl. Safety barrier customized solutions on demand
Tires	23.1-26 16PR / 28L-26 20PR (Opt.) 600/50-22.5 16PR / 700/45-22.5 20PR (Opt.)	28L-26 20PR / 23.1-26 16PR (Opt.) 700/50-26.5 20PR / 600/55-26.5 (Opt.)
Filling Quantities	Diesel 210 ltr. Hydraulic oil 250 ltr.	
Hydraulic oil	Panolin HLP Synth. 46 incl. Bypass filter	

NF160-8R

Articulated steered 8-wheel-combination-machine

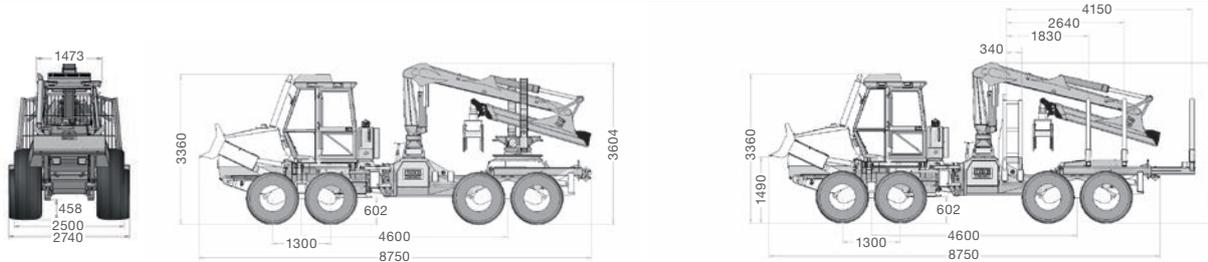


Better for working in the forest – better for reaching the forestry

The NF160-8R concludes our consequent continuation of the combination-strategy. From the basis of the successful NF160 we developed an 8-wheel machine fulfills the following wishes:

- > fast
- > powerful
- > innovative
- > combined
- > long-living

The NF160-8R takes the success of the NF160 on a new level. Above that, the NF160-8R can come into action where the customer needs an advanced technology because of the unstable ground.



Technical specifications	
NF160-8R	
Engine	6-cylinder FPT diesel-turbocharger direct injection
Power	129 kW (150 hp)
Consumption	about 8-11 ltr.
Drive train	Hydrostatic Drive 2-gear transfer case 1. gear 0-16 km/h 2. gear 0-38 km/h
Axles	NAF Planetary live and tandem Axles, 100% differential lock connect
Load Sensing Hydraulic	Max. 286 ltr./min. With 250/320 bar
Measures	L/W/H 8.750/2.550/3.700 mm Wheel base: 4.600
The flowing options are just examples and are referring to our Standard models. Individual changes are always possible.	
Winch	Ritter S66 D8 2x8 tons, double winch (standard) Rope capacity 2x120 m hydrostatic drive, 2 speeds, overall tractive force till 12.5 tons. With Linde-engine 135 (standard)
Crane	Epsilon S110F86, lift torque 143 kNm
Operating range	8.6 - 10.1 m (Opt.)
Swiveling Moment	36.0 kNm
Front shield	Lifting in basic version, customized shields on demand.
Rear shield	Straight shield, height adjustable with integrated rear camera
Breaks	Dual circuit breaking system with wet multiple disc breaks in front or rear axle, parking breaks as spring-applied multiple disc breaks in front and rear axle.
Electric	Voltage 24 V
Cabin	Spacious, low noise operator's cabin, low vibration bearing with integrated roll-over protection meets ROPS/FOPS standards, Pneumatically suspended comfort swivel seat with attenuation in cross and longitudinal direction, joysticks for steering, shield, crane and rear shield are fitted on the arm rest. Driving for- and backward with joystick or pedal. Cabin tiltable to both sides by hand pump. Lightning is provided by the use of 2 front, back and lateral working headlights. Windshield- and rear wiper.
Clam-Bank	NOE2.5 - 1.8 m ² Customized solutions on demand
Forwarder body	Divided loading body , seperate removable Customized solutions on demand
Tires	600/50-22.5 16PR – 700/45-22.5 20PR (Opt.)
Filling Quantities	Diesel 210 ltr., Hydraulic oil 250 ltr.
Hydraulic oil	Panolin HLP Synth. 46 incl. Bypass filter
Winch	(optional, up to 16 tons)



NF160-6R



Our NF-Family



NF210-4R



Forest Technology for Pros

presented by



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