



noe



4-wheel Skidder - articulated

NF140 / NF160 / NF160CL / NF210-4R



- robust
- powerful
- easy access to service
- durable
- innovative



4-wheel Skidder - articulated NF140



NF140 - small, light, economical

As a pure rope machine a economical alternative,
with a constructed crane a powerful combination.

As at all our forest machines the attributes
powerfull, easy access to service, durable and innovativ
go together.

The NF140, our entry-level model.



4-wheel Skidder - articulated NF160 / NF160CL



NF160 - powerful and customized

In cooperation with our customers many special solutions find place in the NF160. Already the standard option package is complete and leave nothing to be desired.

Our first goal in the developing of a new machine is comfort and working ergonomie. If output to decent prices counts, there is no way through the NF160.

The NF160, a strong alternative.



4-wheel Skidder - articulated NF210-4R



NF210-4R - the power package

Highest possible output comes together with highest possible profitability. The NF210-4R allied all attributes successful companies are known for. Intelligent clambank solutions developed in cooperation with the practicans of the forest industrie are our strong point. So you can benefit from these developements.

The NF210-4R - you will get a kick out of it.



4-wheel Skidder - articulated

NF140 / NF160 / NF160CL / NF210-4R

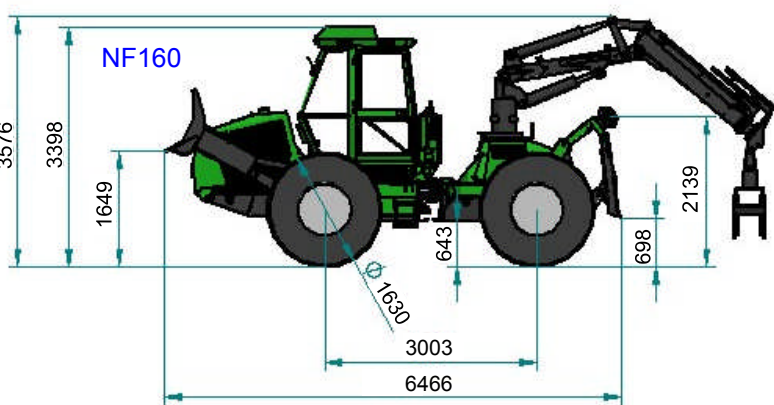
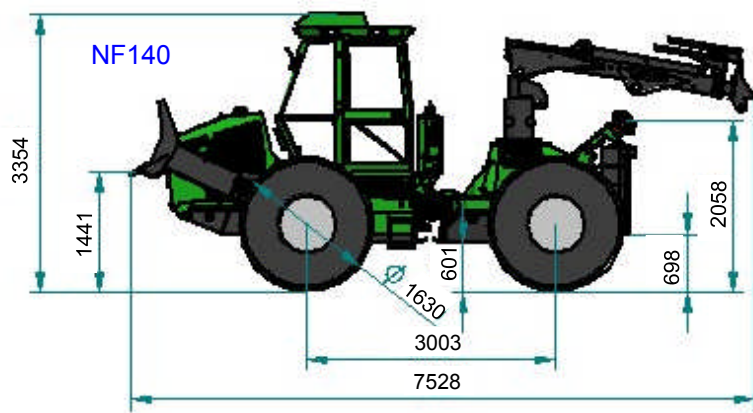


Technical Data	NF140	NF160 / NF160CL	NF210-4R
Engine:	4-cylinder FPT diesel turbocharger direct injection	6-cylinder FPT diesel turbocharger direct injection	6-cylinder FPT diesel turbocharger direct injection
Power:	104 kW (141 hp)	134 kW (182 hp)	175 kW (238 hp)
Consumption:	ca. 4 - 6 ltr.	ca. 6 - 9 ltr.	ca. 7 - 10 ltr.
Drive train:	hydrostatic Drive 2 Gear transfer box 1. Gear 0 - 12 km/h 2. Gear 0 - 38 km/h	hydrostatic Drive 2 Gear transfer box 1. Gear 0 - 12 km/h (0 - 16 km/h NF160CL) 2. Gear 0 - 38 km/h (0 - 38 km/h NF160CL)	hydrostatic Drive 2 Gear transfer box 1. Gear 0 - 13 km/h 2. Gear 0 - 38 km/h
Axes :	NAF Planetary live axles 100% differential lock connect.	NAF Planetary live axles 100% differential lock connect.	NAF Planetary live axles 100% differential lock connect.
Load Sensing Hydraulics:	max. 209 ltr./min. by 320 bar	max. 209 ltr./min. by 320 bar max. 286 ltr./min. by 320 bar (NF160CL)	max. 286 ltr./min. by 320 bar
Measures:	L/W/H - 6.100 / 2.500 / 3.350 mm Wheel base: 3.000 mm ca. 10.770 kg	L/W/H - 6.500 (6.800 CL) / 2.500 / 3.398 mm Wheel base: 3.000 mm (3.300 mm CL) ca. 11.320 kg, 11.420 kg (CL) ca. 12.750 kg, 12.850 kg (CL) 7.100 / 12.100 (7.200 / 12.500 - CL) mm	L/W/H - 7.100 / 2.750 / 3.483 mm Wheel base: 3.600 mm ca. 13.300 kg ca. 14.700 kg 7.300 / 12.800 mm
Weight: without body	ca. 10.770 kg	ca. 11.320 kg, 11.420 kg (CL)	ca. 13.300 kg
Weight: Compl. body	ca. 12.200 kg	ca. 12.750 kg, 12.850 kg (CL)	ca. 14.700 kg
Turning radius in./out.	7.100 / 12.100 mm	7.100 / 12.100 (7.200 / 12.500 - CL) mm	7.300 / 12.800 mm
<u>Following options are just examples and belongs to our standard models, individual changings are always possible</u>			
Winch :	Ritter S66 D8 2 x 8 to. Rope capacity 2 x 120 m hydrostatic drive 2 speeds overall tractive force till 16 to. (Opt.)	Ritter S66 D8 2 x 8 to. Rope capacity 2 x 120 m hydrostatic drive 2 speeds overall tractive force till 16 to. (Opt.)	Ritter S66 D8 2 x 8 to. Rope capacity 2 x 120 m hydrostatic drive 2 speeds overall tractive force till 16 to. (Opt.)
Crane:	Epsilon M80R72, lift. torque 73 kNm	NOE-KRZ6000, lift. torque 98 kNm	Epsilon S120R72, lift. torque 114 kNm
Operating range:	7.2 - 7.6 m (Opt.)	6.6 m	7.2 - 8.0 m (Opt.)
Swiveling moment:	25.5 kNm	33.1 kNm	36.0 kNm
Alternativ crane:	Loglift F81R65	Epsilon S110/120R72-76, lift torque 102/114 kNm	
Operating range:	6.5 m	7.2 - 8.0 m	
Front shield:	lifting in standard customized shield on demand	lifting in standard customized shield on demand	lifting in standard customized shield on demand

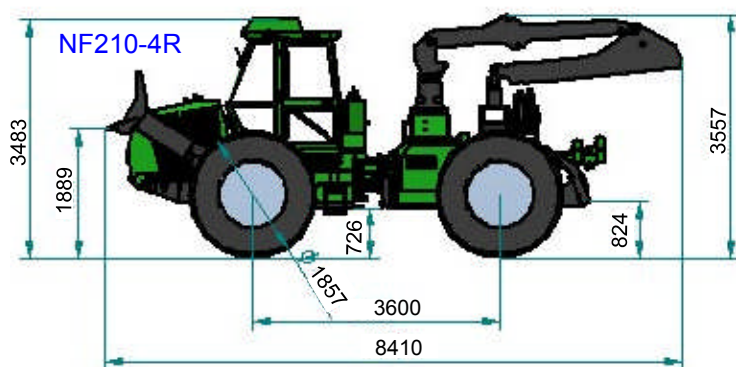
4-wheel Skidder - articulated

NF140 / NF160 / NF160CL / NF2104R

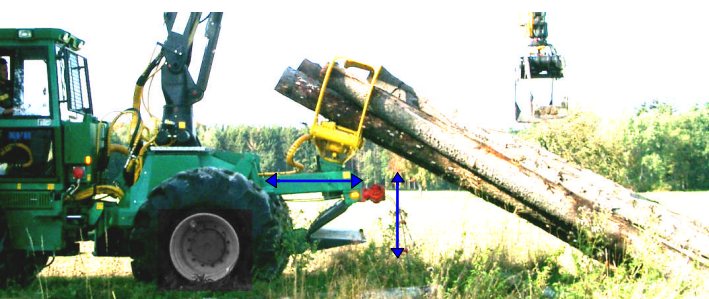
Technical Data	NF140	NF160 / NF160CL	NF210-4R
Rear Shield:	Realisation as L-shield, straight shield or bucket shield. Customized shields on demand.		
Brakes:	Dual circuit braking system with wet multiple disc brakes in front and rear axle. Parking brakes as spring-applied multiple disc brakes in front and rear axle.		
Electric:	Voltage 24V		
Cabin:	Spacious, low noise operator's cab, low vibration bearing. Security cabin with integrated roll-over protection meeting ROPS/FOPS standards. Pneumatically suspended comfort swivel seat with arm rest-mounted joysticks. Cabin tiltable to both sides by hand pump. Forward and reward driving Pedal or Joystick. All-around lightning by 2 front, back and lateral working head-lights. Windshield- and rear wiper. Airconditioning system.		
Tires:	23.1-26 16PR	23.1-26 16PR / 28L-26 20PR	24.5-32 20PR / 30.5L-32 20PR
Filling quantities:	Diesel 180 ltr. Hydraulic oil 170 ltr. Panolin HLP Synth. 46 incl. bypass filter	Diesel 180 ltr. / 210 ltr. (CL) Hydraulic oil 170 ltr. / 250 ltr. (CL) Panolin HLP Synth. 46 incl. bypass filter	Diesel 210 ltr. Hydraulic oil 250 ltr. Panolin HLP Synth. 46 incl. bypass filter



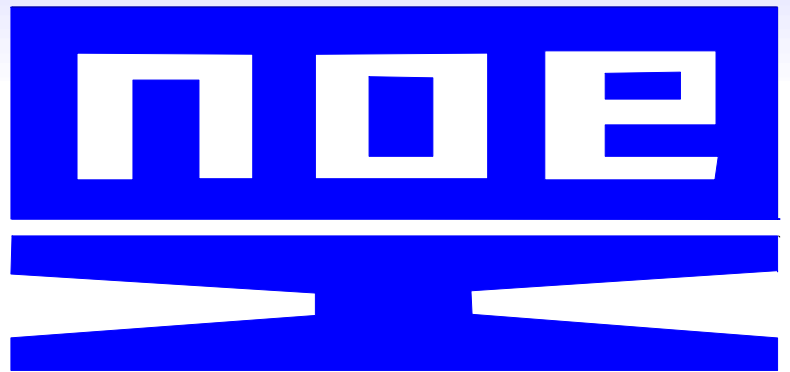
NF160-Clambank



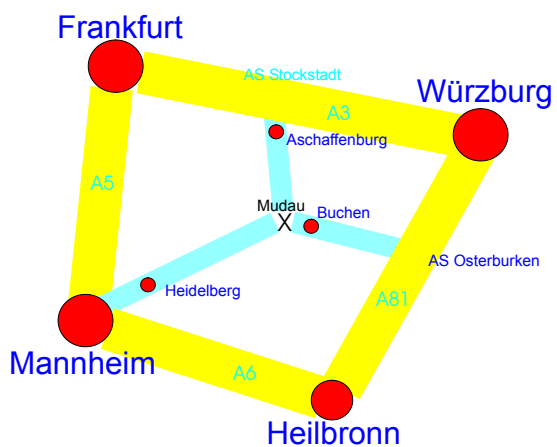
NF160CL-Clambank



Hand over by:



All ways leads to us



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