

W 130 / W 130T / W 130K

Welte

Forst- und Spezialfahrzeuge

Welte Standard-Building-Set-System

Forest- and Municipalmachines



*all around
kompakt*

**Top-Technique
out of the Welte
Building-Set-System**

Multifunctional in Use

Welte offers a complete program for low, middle and heavy wood as well as for varied jobs in the municipal business. For the extreme forest-use there are the powerful machines of the 6-cylinder model range. After 5 decades of pioneer work for forest- and special-machines, the actual developments and patents emphasizes the market position of Welte. The good reputation from all around compact machine-technique gets completed by a flexible service operation readiness and an individual care at any time. Many customers are swearing on the Welte-Technique and mostly have several Welte-machines in their motor pool.

The „4-Cylinder“-Model

**W110 / W130
4-Wheel Forest-
and Municipalmachine**

**W110T / W130T
6-Wheel Forest-
and Combimachine
(Carrying machine)**

**W130K
6-Wheel Forest-
and Combimachine
(Skidder)**

Panoramawindow and the
back side windows out of
Lexan-Margard – shock proof

Ergonomically, easy maintaining
comfort-tilt-cabine with rich
equipment variants and
2 adequate entries and exits

Optionally with
frontloader

Environment-friendly, economic
4-Cylinder, water-cooled
Deutz-Engine

Frontblade with or
without tilt

100% differential pawls
front and rear

Minimal overall width
2,100 mm

Hydrostatic traction drive
with 2-gear power divider
and axle-interruption back

The model range with pep for the entrepreneur who doesn't want to waist time in the first and second thinning as well as in the end-use. The standard Building-Set-System contains:

- robust spacious cabin with 2 doors
- robust frame construction
- water-cooled Deutz engines
- tires 26.5"- 30.5"
- hydrostatic traction drive with 2-gear power divider and axle-interruption

- 100% switchable differential pawls
- in oil bath running fins-brakes
- driving radio integrated in winch radio
- speed approx. 36 km/h
- central-torsion with brake calipers
- the machine is equivalent to the StVZO with certificates of exemption!



4-Wheel Forest- and Municipalmachine



- doublewinch with up to 16 t pulling force
- 100% insertable differential pawls
- robust rear blade with double express inlet propeller
- different cranes (e.g. Loglift F61R)
- extremely flexible – 2.10 m internal radius
- patented clambunk (Klemmbank) turnable on the rear blade with electro-hydraulic usable locking

- rear blade pitchable in the angle for short wood to 4 m
- power take-off
- 3-point-linkage

6-Wheel Forest- and Combimachine (Carrying machine)



- doublewinch with up to 16 t pulling force
- different cranes (e.g. Loglift F51)
- insertable stakes
- clambunk (Klemmbank) in stake bags changeable
- double express inlet propeller in the back
- bogieaxles with 100% switchable differential pawls
- tool deposit with flap lid in the back
- base tubs removable
- robust front-grid



6-Wheel Forest- and Combimachine (Skidder)



Fast-changeable-mechanism

A Combimachine (Skidder), which is very flexible because of his short wheelbase and is featured by his low weight, especially on problem-ground without abandoning his power. The in the height adjustable pulley carrier and the in the height and in the angle adjustable rear blade gives the machine an optimal edge angle. Because of the both-sided entries and exits for the driver, it was thought about the security for all our Welte-machines.

- 6-wheel machine very short built
- multifunctional Combimachine (Skidder) with clambunk (Klemmbank) and integrated stake-cage (Rungenkorb)
- at the same time transporting short wood with 4 m and long wood
- through the in the height adjustable pulley carrier population-saving-rope because of the high rope intake
- because of the in the angle adjustable rear blade possibility to pull of lanes.

**Top-Technique
out of the Welte
Building-Set-System**

Technical Data

1. Weights and Measures

- Length 5,650 / 7,790 / 6,600 mm
- Broadness 2,100 mm with 500er tires
- Height 2,760 mm
- Weight approx. 6,500 / 9,300 kg
- Ground clearance 450 – 580 mm
- Turn radius approx. 2,100 / 6,100 / 5,600 mm

2. Engine

- Deutz 4-Cylinder water-cooled TCD engine
- Displacement 4,038 cm³
- W110 – 88 kW (120 DIN HP) at 2,500 U/min
- W130 – 113 kW (154 DIN HP) at 2,500 U/min
- Electronical Engine Regulator EMR
- Tank approx. 138 l

3. Hydraulic system

- Variable pump flow with 75 l/min. at 1,000 U/min.
- System pressure up to 310 bar

4. Power transmission

- Hydrostatic traction drive electronically controlled
- 2-gear power divider with axle-interruption rear
- Planetaxles + Bogieaxles with in oil bath running fins-brakes
- 100% switchable differential pawls

5. Speed

- 1. gear max. 9.5 – 11 km/h
- 2. gear max. 29 – 36 km/h

6. Electrical System

- Wel-Can with 5 driver-memory, all important information available over the modern display
- Electric tension 24 V
- Battery capacity 2 x 92 Ah
- Generator 80 A

7. Steering

- Frame bending steering mechanism with 2 dual operating cylinder
- For driving on the street, steering orbitrol with emergency steering mechanism
- max. angle of turn +/-42°

8. Cabin

- Spaciously cabin with Lexan-Margard-Windows in the backwards danger zone
- Warmwater heater with fan and window defrosting
- wipers in the front and in the back
- by crane-built-up 2 x 4-axis-joysticks for all operating functions
- turnable seat with pedals – air suspended
- 2 working spots in the back
- cabin ROPS, FOPS and OECD certificated

9. Tires e.g. W 130

front	back
• 600/55 – 26.5	600/55 – 26.5

10. Frame

- Front frame of solid box-section with integrated oil tank
- Rear frame of solid box-section
- solid middle joint with taper roller bearings
- frame torsion mounted with solid rotating assembly +/-22°
- torsion brake through 2 firm brake calipers
- base tubs can be fold-away for maintenance working

11. Crane e.g.

- W130 Loglift F61
- W130T Loglift F51 FT87 with grab FX25
- W130K Loglift F61

12. Stake cage (Runnenbank)

- W130T solid grid, 4 pairs of stakes; the 2 last pairs moveable, integrated intake for the bundler (Klemmbank)

13. Components & Equipment

In our prospect „Components & Equipment“ you can inform yourself about the individual options of our Building-Set-System.

14. Municipal equipment

- on request – please look up our prospect „Components & Equipment“

- *serial equipment*
- *optional equipment*

