

Technical data

W100

ENGINE

- Deutz 4-cylinder water-cooled TCD 3.6
- 105 kW (143 hp) at 2,000–2,300 rpm.
- Emissions standard V
- Displacement 3,600 cc
- Electronic engine control EMR 5
- Fuel tank approx. 220 l

WORKING HYDRAULICS

- Control pump with LS control 240 l/min at 2,300 rpm
- Tank capacity approx. 170 l
- System pressure up to 330 bar, crane operation up to 220 bar
- Biodegradable hydraulic fluid
- Load-sensing hydraulic system

FRAME

- Front frame in sturdy box profile with integrated oil and fuel tank and AdBlue tank
- Rear frame in sturdy box construction
- Sturdy center joint with tapered roller bearings
- Frame connection mounted on strong roller slewing ring +/- 20°
- Torsion lock via double-acting hydraulic cylinder with automatic function, can be switched on and off additionally via joystick
- All floor trays can be folded up for maintenance work

CAB

- Spacious, soundproofed safety tilting cab with polycarbonate windows in the rear danger zone and flat floor
- ROPS, FOPS, OPS, and OECD tested
- Full entry and exit on both sides for safety
- Excellent all-round visibility thanks to panoramic and roof windows
- Removable steering wheel with height and tilt adjustment
- Air-suspended comfort swivel seat with pedals, seat heating, thigh and lumbar adjustment, and safety belt
- Windshield wiper/washer system front and rear
- Radio with DAB+ and Bluetooth
- LED work lights all round
- Operation via 3-axis joysticks with 6 proportional functions and 9 black-and-white functions, as well as direction selector lever and drive mode switch
- Coming home/leaving home
- 2 displays, 1 x with touch function
- Remote

ELECTRICAL SYSTEM

- System voltage 24 V
- Battery power 2 x 92 Ah
- 100 A alternator

POWER TRANSMISSION – WELMATIK

- Hydrostatic drive with electronic power control
- 2-speed transmission
- Axle disconnection to rear axle
- NAF planetary axles with oil-immersed multi-disc brakes
- 100% separately switchable differential locks at front and rear
- Dual-circuit brake system and spring-loaded parking brake
- Adjustable driving dynamics control
- 3 drive modes switchable under load
- Eco mode

STEERING

- Tilt steering with double-acting cylinders and end position damping
- Orbitrol sensor with emergency steering system for road use
- Steering angle +/- 46°

FOREST EQUIPMENT

- Welte double drum cable winch HZM 14 with a total pulling force of 14 t, without cables
- Pressure reducing valves for traction force adjustment
- Power-locking reverse
- 2-speed oil motor with Weltronik (soft start adjustable)
- Hydraulically height-adjustable rear shield with roller support and 2 continuously rotating roller propellers

TYRES

- Front 600/60-30.5 (standard)
- Rear 600/60-30.5 (standard)
- Other tires available

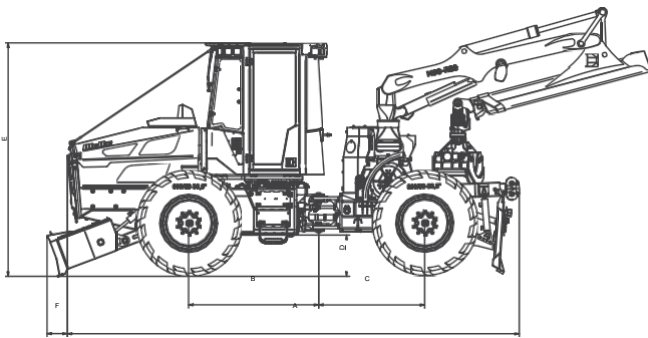
SPEED

- 1st gear 0–12 km/h
- 2nd gear 0 – 36 km/h

OTHER

- Fire extinguisher
- Extensive set of high-quality tools
- German operating instructions
- Spare parts manual
- Declaration of conformity
- TÜV certificate for road approval according to StVZO as a tractor/equipment carrier

// VEHICLE DIMENSIONS



A	B	C
6394 mm	1840 mm	1500 mm
D	E	F
583 mm	3293 mm	287 mm

Get detailed advice – by phone or by making an appointment with us in Umkirch:
+49 7665 9437-0 // info@welte.de



MAXIMUM
EFFICIENCY IN A
MINIMUM OF SPACE.



FOREST SPECIALIST
MACHINE AND
MUNICIPAL
EQUIPMENT
CARRIER

THE 3RD GENERATION OF THE
W100



Dein Stamm-Kapital

Subject to technical changes and equipment variations. Status 06/2024

W100

/ / THE ONE FOR EVERYTHING

The third generation of the W100 is more compact, maneuverable, and efficient than ever before. Thanks to our newly developed modular carrier system, the machine is also more versatile than any other on the market – the W100 can be used to perform all kinds of forestry and municipal work reliably and efficiently. Instead of a large number of special vehicles, you only need one specialist.

Versatile mounting options for:

- // Agricultural front loader (quick-change)
- // Various attachment spaces for municipal equipment
- // Air compressor
- // Compressed air brake system
- // PTO drive
- // Removable three-point hitch
- // Rake
- // Snow plow
- // Mowing boom & mulcher
- // Forestry crane
- // Cable winch
- // Rear shield
- // Clamping bench
- // Height-adjustable rope outlet (independent of rear shield)



DIMENSIONS:
FROM 2.25 M EXTERNAL
WIDTH (DEPENDS ON TYRES)



WEIGHT
UNDER 12 TONS

NEW
CABIN
DESIGN

THE SMALLEST MULTI- PURPOSE MACHINE IN THE WORLD

The W100 is the smallest fully professional forestry machine and also a maneuverable all-rounder.

Forestry work, municipal work, mulching, winter service, and much more – the W100 is a reliable and multifunctional carrier vehicle with a wide range of applications.

UNIQUE VERSATILITY

Thanks to improved drive and working hydraulics and intelligent fan control, the W100 is significantly more efficient.

EFFICIENT DRIVE TECHNOLOGY

// 360-DEGREE VISIBILITY WITH ALL-ROUND COMFORT

THE WELTE PANORAMA CAB

The modern cabin offers optimal all-round visibility of the work area and intuitive controls for maximum comfort.

- // Powerful climate control concept
- // Pillarless rear window
- // All-round visibility – even in the upper side work area
- // Fatigue-free working thanks to decoupling by an intermediate frame
- // Two wide entrances with full access on both sides
- // More space, more comfort, more ergonomics



// A WORLD MUST RUN. PREFERABLY ALWAYS

THE WELTE QUALITY GUARANTEE

The long service life of our machines is a matter of details and components. Our warranty is valid for 18 months or 2,000 operating hours. This demonstrates how much we trust the quality of our machines.



Welte warranty –
that means up to 18 months of
complete confidence

