

# NEW DESIGN. NEW STRENGTHS.

THE THIRD GENERATION OF VEHICLES  
W230 // W230K // W230M



4-WHEEL OR 6-  
WHEEL REVERSE  
AND COMBINATION  
MACHINE



**Welte**

FORST- UND SPEZIALFAHRZEUGE

Dein Stamm-Kapital





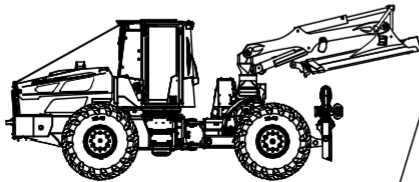
# WELL-DESIGNED SYSTEM – VERSATILE IN USE

// THE WELTE MODULAR SYSTEM

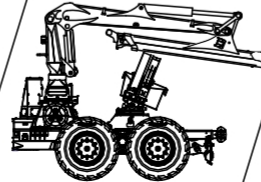
// W230 //

// W230K //

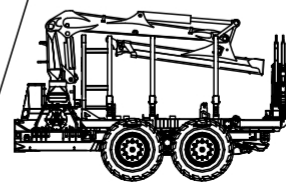
// W230M //



with quick-change system



with quick-change system  
or combination basket



The demands placed on forestry machines are diverse. With the proven modular system, you can cover all your needs and areas of application. This gives you a wide range of different configurations for your machine. You benefit from solutions tailored specifically to your needs, enabling you to choose the machine that is perfect for you.

One thing always remains in focus: powerful performance combined with high driving comfort in the familiar Welte premium quality.



**True values, real strengths – Welte forestry machines**

We are constantly growing, both through effective teamwork and through dialogue with you, our customers. Our common ground is our ongoing passion for powerful premium machines.



# STRONG IN ACTION



A real  
experience  
online too

// W230 //



## Well equipped

- 1 //** Front shield (optional)
- 2 //** 6-cylinder, water-cooled Deutz engine (EU Stage V emissions standard)
- 3 //** 100% switchable differential locks, separately switchable front and rear
- 4 //** Ergonomic, maintenance-friendly comfort Ergo tilting cab with a wide range of equipment options and two full-size entrances and exits
- 5 //** Robust center joint with tapered roller bearings and central torsion (lockable)

- 6 //** Welte double drum cable winch
- 7 //** Rear shield with double roller propeller (optional: rear shield with patented clamping bench)
- 8 //** Accessories: 3-point hitch, PTO shaft, mounting bracket for municipal equipment
- 9 //** Powerful skidding crane

The **W230** is a powerful workhorse: the combination of drive, crane, cable winch, and patented clamping bench makes it an indispensable specialist for the most demanding tasks in forestry.



## WELTE PANORAMIC CAB

The modern and comfortably equipped panorama cab offers you an optimal all-round view of the work area. Thanks to the intuitive controls, you benefit from maximum driving comfort.

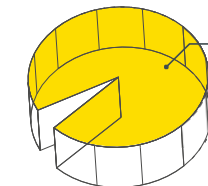
- // Powerful climate control system
- // Postless rear window
- // All-round visibility – even in the upper side work area
- // Fatigue-free working thanks to decoupling from the frame by means of an intermediate frame
- // Two wide, full-size entrances on both sides
- // Space, comfort, and ergonomics are tailored to the driver
- // Numerous storage options

## // 360-DEGREE VISIBILITY



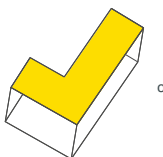
## WELTE QUALITY GUARANTEE

A Welte machine should earn money. Preferably 24/7. This is guaranteed by the high quality standards we set for ourselves and our suppliers.



**95**

We source all parts not manufactured in-house from regional and German suppliers.



**18**  
months

or 2,000 operating hours.

\* whichever is reached first



# STRONG IN USE



Welte  
experience  
online too

// W230K //

With quick-change system



## Well equipped

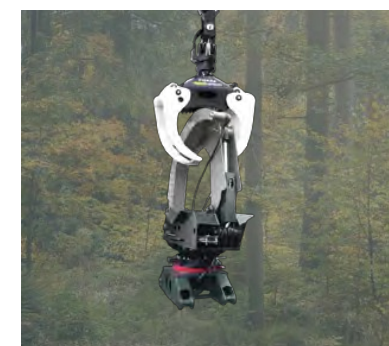
- 1 //** Front blade (optional)
- 2 //** 6-cylinder, water-cooled Deutz engine (EU Stage V emissions standard)
- 3 //** 100% engageable differential locks, separately switchable at front and rear
- 4 //** Ergonomic, maintenance-friendly comfort Ergo tilting cab with a wide range of equipment options and two full-size entrances and exits
- 5 //** Robust center joint with tapered roller bearings and central torsion (lockable)

- 6 //** Welte double drum cable winch
- 7 //** clamp bench with rope tension (quick-change)
- 8 //** Rung cage with movable stanchions (on W230M, last stanchion rack mechanically extendable)
- 9 //** Powerful forwarder crane (optional with crane tilt)
- 10 //** Rear shield height and angle adjustable
- 11 //** Height-adjustable roller carrier with double roller propeller (optional with rope ejector)

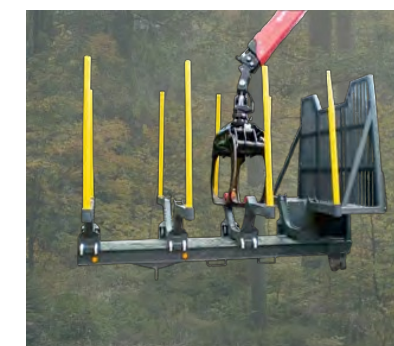
The **W230K** is your compact and flexible 6-cylinder combination machine. Whether used with a clamp bench, stanchion basket, crane, or cable winch, the W230K can handle even the tightest spaces with ease.

## WELTE QUICK-CHANGE SYSTEM

The quick-change system allows you to replace the clamp bench with a stanchion basket in no time at all using your own grapple – simple, safe, and flexible.



Quick-change, removable clamping bench with rope tensioning



Rug basket



## VERSATILE MOUNTING OPTIONS FOR MAXIMUM MACHINE UTILIZATION

- // Various quick-change systems
- // Harvester head

- // Wood grapple
- // Mulcher
- // Clearance profile cutter

- // Additional kinematics with additional attachments
- // Various municipal equipment

## FOR YOU ON SITE

// Your contacts for all things Welte



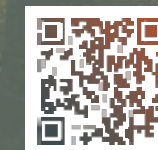
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Working together to find the best solution for you: All contact details at a glance



# STRONG IN ACTION



A real  
experience, even  
online

// W230M //

with quick-change system  
or combination basket



## Ideally equipped

- 1 // Front shield (optional)
- 2 // 6-cylinder, water-cooled Deutz engine (EU Stage V emissions standard)
- 3 // 100% ly switchable differential locks, separately switchable front and rear
- 4 // Ergonomic, maintenance-friendly comfort Ergo tilting cab with a wide range of equipment options and two full-size entrances and exits
- 5 // Robust center joint with tapered roller bearings and central torsion (lockable)

- 6 // Welte double drum cable winch
- 7 // Patented two-part combination basket
- 8 // Powerful forwarder crane (optional with crane tilt)
- 9 // Rear shield height and angle adjustable
- 10 // Height-adjustable roller carrier with double roller propeller (optional with rope ejector)

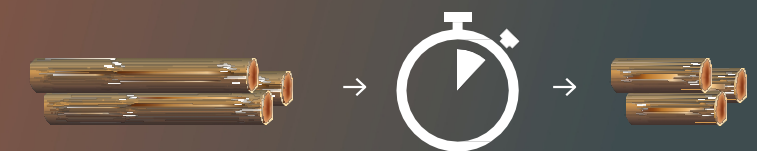
The **W230M** is your unbeatably efficient and flexible 6-cylinder multi-purpose machine. Here you can enjoy the benefits of a log skidder, forwarder, crane and cable machine. Thanks to this wide range of applications, you benefit from a solution that is designed to meet all your challenges.

## WELTE COMBINATION BASKET

This patented system guarantees quick switching between short and long timber transport and is particularly helpful when you have a wide range of products. Switching is carried out by folding down the rotating clamping stanchion using a gripper, and locking is performed electrohydraulically at the push of a button. This saves time and money!

- // Quick change between short and long timber transport
- // Easy changeover by folding down the clamping stanchion using a gripper
- // More flexibility and time savings
- // Particularly suitable for energy wood

// SWITCH FROM LONG TO SHORT WOOD IN JUST A FEW SECONDS



## WELTE INNOVATIVE STRENGTH

Innovative since 1952: At Welte, you get constantly newly developed technologies that meet the growing demands of forestry. You benefit from innovations that focus on performance, efficiency, sustainability, ergonomics, and ease of use.

// More than 20  
patented Welte  
innovations



# Technical

# W230 //W230K //W230M

## 6-CYLINDER ENGINE

- 6-cylinder Deutz TCD 6.1 L06, 180 kW (245 hp) at 2,000 rpm
- Max. torque 1,000 Nm at 1,450 rpm
- Displacement 6.1 L
- Emissions standard V (EU) with particulate filter and SCR catalytic converter
- Electronically controlled fan drive
- Fuel tank approx. 250 liters, AdBlue® tank 20 liters

## WORKING HYDRAULICS

- Load-sensing hydraulic system
- Control pump with electronic power control
- Maximum flow rate 330 liters/min at 2,000 rpm
- Biodegradable hydraulic fluid, 250 liters
- Fine filtration in the bypass

## FRAME

- Front frame in sturdy box profile with integrated hydraulic oil and fuel tanks as well as AdBlue® tank
- Rear frame in sturdy box construction on W230, in tub construction on W230K / W230M
- Sturdy center joint with tapered roller bearings
- Frame torsion with strong roller slewing ring +/- 20°
- Torsion lock can be switched automatically and manually
- All floor panels can be folded or screwed

## CAB

- Excellent all-round visibility thanks to panoramic and roof windows
- Full entry and exit on both sides
- Air-suspension comfort seat, removable steering wheel
- LED work lights all around
- Tested safety cab with polycarbonate windows in the danger zone
- Air conditioning, windscreen washer system front and rear
- Radio with DAB+ and Bluetooth, hands-free system

## ELECTRICAL SYSTEM

- System voltage 24 V
- Battery power 2 x 100 Ah
- Generator 28 V/100 A

## SPEED

- 1st gear 0–15 km/h
- 2nd gear 0 – 40 km/h (with W230 max.)

## POWER TRANSMISSION – WELMATIK

- Hydrostatic drive, 2-speed transmission, two drive motors
- All-wheel drive, rear axle can be disengaged
- Planetary axles with oil-immersed multi-disc brakes, rear axle = tandem axle on W230K / W230M
- Front and rear 100% independently switchable differential locks
- Dual-circuit brake system, spring-loaded parking brake
- Three drive modes that can be selected while driving
- Crawl gear, driving at a fixed speed, driving at reduced speed (ECO mode)

## STEERING

- Articulated steering, steering angle +/- 46°

## FOREST EQUIPMENT

- Epsilon crane or others, e.g. X150R80 (W230), X140F102 (W230K / W230M)
- Welte double drum winch with up to 16 t total pulling force
- W230: Clamp bench rear shield with tilt adjustment
- W230K / W230M: Rear shield height and angle adjustable
- W230K / W230M: Height-adjustable roller carrier
- Toolboxes (2 x 110 liters) or front polder trough shield
- W230M: Combination basket
- W230K / W230M: Bogie lift, wheel load control (RaLaReg), quick-change stanchion basket, clamping bench with rope tensioning

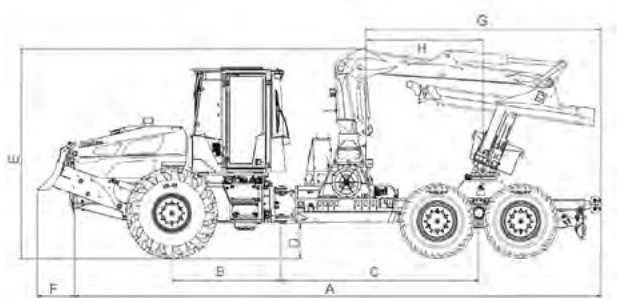
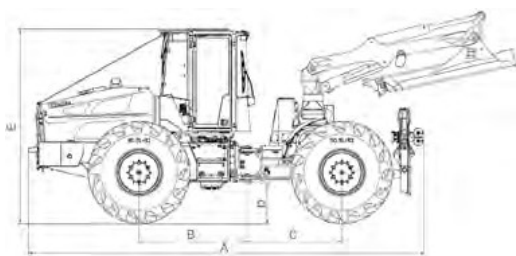
## TYRES

- W230K / W230M: front 28L-26, rear 710/45-26.5 (standard)
- W230: front 28L-26, rear 28L-26 (standard)
- Other tire combinations available on request

## ADDITIONAL EQUIPMENT, MISCELLANEOUS

- Radio for driving and winch
- Two displays, 1 x with touch function
- Operation with joysticks, optional with finger joysticks
- Coming home/leaving home, remote maintenance
- Extensive, high-quality on-board tools
- Operating instructions, spare parts manual
- Optional Cleanfix reversible fan
- Road approval according to StVZO

## // VEHICLE DIMENSIONS



Vehicle type	A	B	C	D	E	F	G	H
W230	7,233 mm	1,970 mm	1,740 mm	746 mm	3,549 mm	670 mm	—	—
W230K	8,502 mm	1,970 mm	2,590 mm	633 mm	3,766 mm	670 mm	3,263 mm	1,269 mm
W230M	9,462 mm	1,970 mm	3,550 mm	633 mm	3,766 mm	670 mm	4,223 mm	2,099 mm