



# WILLE 475



Wille 475 is a new machine in the 400-series with plenty of new advanced technology. The new more spacious cab provides a comfortable working environment for the operator. There are four driving modes to select from. These modes help the driver find ideal driving style for each individual task. In addition, the driver can adjust and save parameters for different work situations and make them available when needed next time. One of the important new technological innovations is the electrically controlled loader valve. The driver can freely select the desired lifting and lowering speed and the acceleration rate for the loader. Corresponding settings are also available for curling of the bucket.

Compared to its predecessor, the Wille 475 is more stable and can be equipped with versatile work attachments. When working with Wille 475, even long days feel less tiring. The cruise control is a great assistant for working and transport driving.

## ENGINE

- Kohler KDI 2504 TCR, EU Off Road Stage V
- 4-cylinder turbo-charged Diesel engine with intercooler
- DOC and DPF
- Common Rail – fuel system
- Displacement 2482 cm<sup>3</sup>
- Output 55,4 kW (74,3 hp)/2300 rpm
- Max. torque 300 Nm/1500 rpm
- Fuel tank 50 l

## ELECTRIC SYSTEM

- Voltage 12 V
- Electric main switch
- Battery 105 Ah
- Start motor 2.0 kW
- Alternator 100 A

## TRANSMISSION

- Hydrostatic, electrically controlled
  - Variable displacement pump
  - Variable displacement motor
- Driving direction to the front and rear is changed electrically
- 1-speed reduction gear
- Driving speed 0-40 km/h
- Tractive force 1600 daN

## NOISE LEVEL

- External under LwA 101 dBA  
ISO 6395:2008
- Inside cabin under LwA 69 dBA  
ISO 6396:2008

## WEIGHT (KG)

- Own weight 3550
- Front axle weight 1640
- Rear axle weight 1910

## STEERING SYSTEM

- Hydrostatic articulated steering
- Turning angle +/- 40°
- Angle of oscillation +/- 9°

## AXLES

- Automatic differential locks in the front
- Hydraulically assisted multi-disc brakes in oil-bath in the front
- Automatic parking brake

## OPERATING HYDRAULICS

- Load sensing hydraulic system with variable displacement pump 80 l/min
- Gear pump 50 l/min
- Max. flow 130 l/min
- Max. pressure 200 bar
- Volume of hydraulic system about 70 l
- Hydraulic oil cooler

## LOADER

- Optional quick-coupler types: Kunta 500 and Trima
- Hydraulic quick-coupler for work attachment
- Hydraulic self-level feature of the loader
- Automatic suspension for the loader, 4-10 kph
- Electric control
- Service support for loader-arms
- Loader-arm support for levelling work

## TYRES

- 305/70R16  
(width of the machine 1640 mm)
- 380/60R15 lawn tyres  
(width of the machine 1830 mm)

## STANDARD EQUIPMENT

- Motor hydraulics (max. flow 2,300 rpm)
  - double-acting to the front 0 - 80 lpm
  - single-acting to the front 50 lpm
  - single-acting to the front 50-130 lpm
  - single-acting to the rear 50 / 0 - 80 / 50 - 130 lpm
- Hydraulic circuit for 3rd cylinder, proportional control 0 – 50 lpm
- Hydraulic circuit for 4th cylinder, proportional control 0 – 50 lpm
- Double-acting hydraulics to the rear
- Electric inching and accelerator pedal
- Socket outlet of 12 V in the front and rear
- Beacon light with foldable shaft
- 7" display
- Radio/USB/MP3/Aux/Bluetooth
- Windscreen and rear window wiper and washer
- Rear mirrors with heating
- Low beam automation
- Led work lights in the front and rear
- EMC ja E-certified
- Height- and depth adjustable steering wheel
- Seat with heating
- 2-point safety belt
- Additional taillights at the top of the cabin
- Programmable profiles for attachments and operators
- Programmable joystick
- 4 driving alternatives: Eco On, Eco Off, Soft Drive and Smart Drive
- Smart cruise control
- Motor hydraulics controlled by machine speed
- Safety cabin ROPS (ISO 3471)
- Safety cabin FOPS (ISO 3449 1365 J)
- Engine heater
- Bottom armours in the front and rear
- Towing hitch
- Reverse alarm, on/off selectable
- Brackets for work attachments on top of the engine compartment

## OPTIONAL EQUIPMENT

- Rear tilt Kunta and Trima
- Float position for rear
- Hydraulic oil heater
- Smart Lube lubrication
- Automatic air-conditioning
- Air-cushioned seat
- Readiness for cabin heater
- Storage box beside the driver seat
- Back up camera
- 2 + 2 LED work lights
- 8 pcs LED flashing lights on cabin
- 4 pcs LED waist flashing lights
- Brake valve for trailer
- Multifaster
- Special colour
- Eberspächer heater
- Safety system for starting inhibition
- Mugg support
- Accessory bar to cabin
- Heated wind screen

## Wille Optim work attachments:

- Rotary brush 200
- Collecting sweeper 305
- Ice-plough
- Soil bucket 600 l
- Snow bucket 1200 l
- High-tipping bucket 800 l
- Multi-function bucket 1000 l
- Leaf bucket 1200 l
- Hydraulic rear blade 1800
- Sand spreader 370 l
- Leaf collector 1000 l
- High-pressure washer 1000 l
- Fixed platform 270 l
- Platform with hydraulic tipping 300 l
- Access platform Wille-9



	FRONT FACE OF THE QUICK-COUPLER	BUCKET 600 L	FORKLIFT FORK with 500 mm DISTANCE TO CENTRE OF GRAVITY
Lifting force lower position, kN	24.7	23.0	19.5
Lifting force upper position, kN	11.6	10.3	9.5
Rated transport capacity, kg		1005*	1090* (even surface)
Tipping load, with straight/turned machine, kg	2530/2270*	2170/2010*	1700/1370*
Break-out force of the bucket, kN		16.4	

\* with rear-tilt, without counter-weight. According to the ISO 8313 and EN 474-3 standards

Dimensions with 600 l bucket:  
Width 1655 mm  
Inner turn radius 2355 mm  
Outer turn radius 3750 mm

