

WILLE



Rotary brush



Water tank for high-pressure washing

WILLE 455B

The Wille 455B is a true powerhouse. Efficient loader and excellent stability are sufficient even for handling large volumes. The range of work attachments suitable for the machine is extensive, which increases the productivity of the operator's work. The agility, the articulated steering and the low construction height make possible working even in restricted areas or in the busy city traffic. Unobstructed visibility also to the rear increases the safety and comfort of the operation. The objective of the ergonomic solutions in the cabin is to ensure outstanding working conditions for the operator with long working days. The machine is perfect for year-round working.

ENGINE

- Detroit D754TE3 Stage 3A
- 4-cylinder turbo-charged Diesel-engine
- Displacement 2970 cm³
- Output 60 kW (80 hp)/2600 r.p.m.
- Max. torque 274 Nm/1800 r.p.m.
- Fuel tank 50 l

ELECTRIC SYSTEM

- Voltage 12 V
- Battery 88 Ah
- Start motor 2.2 kW
- Alternator 70 A

TRANSMISSION

- Hydrostatic transmission
- Charge automation of the engine
- Inching pedal
- 1-speed reduction gear
- Traction force 1600 daN
- Driving direction to the front and rear is changed electrically
- Driving speed 0-37 km/h
- The speed may vary depending on the national legislation.

NOISE LEVEL

- External below Lwa 104 dBA
- Inside cabin below Lpa 72 dBA

WEIGHT

- Own weight 3180 kg
- Front axle weight 1430 kg
- Rear axle weight 1750 kg
- With standard bucket 3395 kg

STEERING SYSTEM

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

AXLES

- Static load-bearing capacity 90 000 N
- Automatic differential locks in the front
- Electro-hydraulic control of the parking brake
- Hydraulically assisted multi-disc brakes in oil-bath in the front

OPERATING HYDRAULICS

- Gear pump 73 l/min, 190 bar
- Gear pump 49 l/min, 190 bar
- Volume of hydraulic system about 60 l
- Hydraulic oil cooler

LOADER

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

TYRES

- 33x12,5-15 (width of the machine 1655 mm)

STANDARD EQUIPMENT

- Motor hydraulics (max. flow 2600 r.p.m.)
 - double-acting to the front 73 l/min
 - single-acting to the front 49 l/min
 - single-acting to the front 122 l/min
 - single-acting to the rear 49/73/122 l/min
- 3rd cylinder hydraulics, electric control
- 4th cylinder hydraulics, electric control
- Tipper hydraulics to the rear
- Rear mirrors with heating
- Engine heater
- Bottom armours in the front and rear
- Work lights in the front and rear
- Beacon light with foldable shaft
- CD/MP3 player
- Seat with heating
- 2-point safety belt
- Refill pump for hydraulic oil
- Safety cabin ROPS (ISO 3471)
- Safety cabin FOPS (ISO 3449 1365 J)
- Towing hitch
- Adjustable steering wheel
- Roof window
- Reverse alarm
- Mains switch
- Brackets for work attachments above the engine space
- Electric control of work attachments
- Rear window wiper and washer

OPTIONAL EQUIPMENT

- Flow control valve for motor hydraulics with electric control
- Hydraulic oil heater
- Air-conditioning
- Rear tilt including cylinder hydraulics
- Float-position for rear tilt
- Manually operated inching valve
- Central pressure lubrication
- Air-cushioned seat
- Readiness for cabin heater
- Brake valve for trailer
- Float-position for loader
- FOPS-roof (ISO 3449 11600 J)
- Counter-weight 300 kg
- Lawn tyre 400/60-15,5 (width of the machine 1830 mm)

WORK ATTACHMENTS

(manufactured by Vilakone)

- Soil bucket
- Snow bucket
- Wing bucket
- Leave bucket
- High-tipping bucket
- Sand spreader
- Multi-function plough
- Platform-mounted tank
- Platform-mounted tank with tipper
- Rotary brush
- Sprinkling tank
- Water tank for high-pressure washing
- Collecting sweeper
- Mechanical rear blade
- Forklift forks
- Ice-plough
- Lawn mower
- Leaf collector
- Access platform
- Wilma sweeper unit
- Excavator tank



Wilma sweeper unit



Access platform



Brushwood chopper

TECHNICAL DATA

	FRONT FACE OF THE QUICK-COUPLER	BUCKET 600 L	DISTANCE TO CENTRE OF GRAVITY 500 mm
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		615*	820* (even surface)
Tipping load kg, with straight/turned machine	1680/1450*	1460/1230*	1210/1030*
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

