



Horizontal cutter



Leaf collector/blower

WILLE 355B

The Wille 355B is a compact but extremely efficient and agile machine. Thanks to the high-capacity loader, the scope of application of the machine is wider than that of conventional mini-tractors. Therefore, the machine is very suitable for, for example, snow-clearing or loading works. Because of the excellent agility and speed of the machine, the profitability and productivity of the work is excellent. Considering the size of the machine, the cabin is very spacious. The operating comfort and excellent visibility in all directions ensure a safe and pleasant working environment. The Wille 355B is easy to use and very well appointed for the operator. The gauges are clear and show all the essential information about the machine's functions. The location of the operating controls is selected with respect to the operating comfort.

ENGINE

- CAT C2.2 Stage 3A
- 4-cylinder Diesel-engine
- Displacement 2216 cm³
- Output 36 kW (48 hp)/2600 r.p.m.
- Max. torque 143 Nm/1800 r.p.m.
- Fuel tank 50 l

ELECTRIC SYSTEM

- Voltage 12 V
- Battery 88 Ah
- Start motor 2,0 kW
- Alternator 65 A

TRANSMISSION

- Hydrostatic transmission
- Charge automation of the engine
- Inching pedal
- 1-speed reduction gear
- Traction force 1500 daN
- Driving direction to the front and rear is changed electrically
- Driving speed 0-35 km/h
- The speed may vary depending on the national legislation.

NOISE LEVEL

- External below Lwa 101 dBA
- Inside cabin below Lpa 77 dBA

WEIGHT

- Own weight 2630 kg
- Front axle weight 1150 kg
- Rear axle weight 1480 kg
- With standard bucket 2780 kg

STEERING SYSTEM

- Hydrostatic articulated steering
- Turning angle +/- 39°
- Angle of oscillation +/- 7°

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 54 l/min, 190 bar
- Gear pump 36 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

- 31x11,5-15 (width of the machine 1420 mm)

STANDARD EQUIPMENT

- Motor hydraulics (max. flow 2600 r.p.m.)
 - double-acting to the front 54 l/min
 - single-acting to the front 36 l/min
 - single-acting to the front 90 l/min
 - single-acting to the rear 36/54/90 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 250 kg
- Lawn tyre 31x13,5-15 (width of the machine 1520 mm)

WORK ATTACHMENTS

- (manufactured by Vilakone)
- Soil bucket
 - Snow bucket
 - Wing bucket
 - High-tipping bucket
 - Sand spreader
 - Multi-function plough
 - Platform-mounted tank
 - Sprinkling tank
 - Water tank for high-pressure washing
 - Rotary brush
 - Collecting sweeper
 - Mechanical rear blade
 - Forklift forks
 - Ice-plough
 - Lawn mower
 - Leaf collector



Sand spreader



Ice-plough



Trailing sweeper

TECHNICAL DATA

| | FRONT FACE OF THE QUICK-COUPLER | BUCKET 400 L | DISTANCE TO CENTRE OF GRAVITY 500 mm |
|---|---------------------------------|--------------|--------------------------------------|
| Lifting force lower position, kN | 17,7 | 16,2 | 14,8 |
| Lifting force upper position, kN | 7,4 | 5,8 | 5,1 |
| Rated transport capacity, kg | | 445* | 570* (even surface) |
| Tipping load kg, with straight/turned machine | 1260/1110* | 1040/890* | 840/720* |
| Break-out force of the bucket, kN | | 10,0 | |

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

