



Hydraulic platform-mounted tank



Sand spreader with tipper

WILLE 655c

The Wille 655C is the most popular model in its weight class in the market. The strongly built machine with its efficient loader is ready to take on even the toughest loading works. The operating range is extensive, thanks to the high travel speed. The great load-bearing capacity of the axles allows even heavy work attachments to be connected not only in the front, but also in the rear of the machine and on top of the engine space. The temperature-controlled cooling system keeps the machine silent and fuel consumption low. The carefully finished equipment makes the work easier and more productive. Thanks to its versatility, the Wille 655C can be applied to a variety of different tasks. A load-sensing hydraulic system with variable displacement pump is also available as option.

ENGINE

- CAT C4.4 Stage 3A
- 4-cylinder turbo-charged Common Rail Diesel engine with intercooler
- Displacement 4410 cm³
- Output 97 kW (130 hp)/2200 r.p.m.
- Max. torque 516 Nm/1400 r.p.m.
- Fuel tank 100 l

ELECTRIC SYSTEM

- Voltage 12 V
- Battery 145 Ah
- Start motor 3 kW
- Alternator 120 A

TRANSMISSION

- Hydrostatic transmission
- Charge automation of the engine
- Inching pedal
- 2-speed electro-hydraulic range gearbox
- Driving direction to the front and rear is changed electrically
- Driving speed/traction force
 - 0-20 km/h 4200 daN
 - 0-40 km/h 2100 daN
- The speed may vary depending on the national legislation.

NOISE LEVEL

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

WEIGHT * Bakdäck med vätskefyllning

- Own weight 5360 kg 5760 kg*
- Front axle weight 2050 kg 2050 kg*
- Rear axle weight 3310 kg 3710 kg*
- With standard bucket 5725 kg 6125 kg*

STEERING SYSTEM

- Hydrostatic articulated steering
- Turning angle +/- 39°
- Angle of oscillation +/- 12.5°

AXLES

- Static load-bearing capacity 140 000 N
- Automatic friction locks in the front and rear
- Electro-hydraulic control of the parking brake
- Hydraulically assisted multi-disc brakes in oil-bath

OPERATING HYDRAULICS

- Gear pump 97 l/min, 190 bar
- Gear pump 55 l/min, 190 bar
- Volume of hydraulic system about 140 l
- Hydraulic oil cooler, temperature-controlled fan

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, Trima and Volvo BM

TYRES

- 420/65 R 24 (width of the machine 1920 mm)

STANDARD EQUIPMENT

- Motor hydraulics (max. flow 2200 r.p.m.)
 - double-acting to the front 97 l/min
 - single-acting to the front 152 l/min
 - single-acting to the rear 55/97/152 l/min
- 3rd cylinder hydraulics, hydraulic pilot control
- 4th cylinder hydraulics, hydraulic pilot 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
- Motor hydraulics to the front 55 l/min
- Load-sensing hydraulic system with variable displacement pump
- 5th cylinder hydraulics
- 6th cylinder hydraulics
- Hydraulic oil heater
- Air-conditioning
- Rear-lift including cylinder hydraulics and float-position
 - lifting force to the upper position 34 kN
 - thrust force with rear blade 17,7 kN
- Rear-lift with hydraulic hitch
- Manually operated inching valve
- Central pressure lubrication
- Air-cushioned seat
- Readiness for cabin heater
- Brake valve for trailer
- Float-position for loader
- Elevated cabin 80 mm
- FOPS-roof (ISO 3449 11600 J)
- Counter-weight 400 kg
- 360/80 R 20 (width of the machine 1750 mm)

WORK ATTACHMENTS (manufactured by Vilakone)

- Soil bucket
- Snow bucket
- Wing bucket
- Leave bucket
- Platform-mounted tank with tipper
- Sprinkling tank
- Water tank for high pressure washing
- Sand spreader
- Rotary brush
- Collecting sweeper
- Hydraulic ice blade
- Forklift forks
- Access platform
- Excavator



Snow blower



Disc spreader for sand



Road-rail outfit

TECHNICAL DATA

	FRONT FACE OF THE QUICK-COUPLER	BUCKET 1000 L	DISTANCE TO CENTRE OF GRAVITY 500 mm
Lifting force lower position, kN	35,3	32,0	30,0
Lifting force upper position, kN	25,2	20,6	19,4
Rated transport capacity, kg		1470*	1830* (even surface)
Tipping load kg, with straight/turned machine	3855/3335* 4360/3770**	3460/2940* 3960/3360**	2610/2290* 2980/2610**
Break-out force of the bucket, kN		28,9	

* with rear-tilt, without counter-weight. According to the ISO 8313 and EN 474-3 standards
 ** measured with Nokian 420/65 R 24 tyres. ** with rear-lift and rear tyres with liquid filling

