

WILLE

FOR EVERY DAY OF THE YEAR.



375A

ATF

www.willemachines.com

All-Terrain Forklift

Wille 375 ATF is a new product from the Finnish machine manufacturer Wille Machines. For more than 40 years, the company has manufactured Wille environmental management machines – known for their functionalities and operational security – to the European and North American markets. Now, the company is presenting a completely new kind of all-terrain forklift, the Wille 375 ATF. This machine combines the lifting capacity of a forklift with the excellent driving features, ergonomics and high quality of a Wille.

Willes are manufactured in Finland, Northern Europe, and they have been proven through years of everyday use in extreme winter conditions. The machines can also tolerate the high heat of summer and are in hard use all year long.

The agile articulated steering makes the machine easy to handle, both off-road and on even surfaces. The machine's generous ground clearance of 255 mm, the large air filled tyres and great traction elevate the off-roading characteristics onto a whole new level in terms of forklift machinery.

THE ADVANTAGES OF WILLE 375 ATF COMPARED TO A STANDARD FORKLIFT:

- ▶ **The machine also allows off-road driving:**
 - Articulated steering makes Wille 375 ATF agile
 - Great ground clearance
 - Large air filled tyres
 - Good traction even on slippery surfaces
- ▶ **Transport speed of 30 km/h**
- ▶ **Good traction force forward and backward:**
 - Traction force forward: measured as 14.7 kN (1,500 kg)
 - Traction force backward: measured as 14.7 kN (1,500 kg)
- ▶ **The machine can lift a load to a height of 1,380 mm without the height of the mast surpassing the height of the machine.**

WILLE 375 ATF HAS ALSO BEEN EQUIPPED WITH OTHER FEATURES THAT FACILITATE WORKING AND INCREASE USER COMFORT, SUCH AS:

- ▶ Permanent four-wheel drive and friction locks
- ▶ Eberspächer preheater (not in use when the machine is running)
- ▶ Ergonomic Wille cabin with a roof window, guaranteeing great working conditions; ROPS and FOPS tested
- ▶ Easy-to-open engine cover that ensures effortless maintenance work
- ▶ Release of powertrain system's traction to facilitate towing in case of a breakdown
- ▶ Centralised lubrication
- ▶ Hose burst valves
- ▶ Lockable storage facilities outside the machine
- ▶ Extinguisher
- ▶ Efficient heating device and air conditioning



// OPERATIONAL RELIABILITY FOR BOTH ROASTING HEAT AND ARCTIC CONDITIONS.

Wille 375 ATF has been classified for use in B-class explosive material spaces of the Finnish Defence Forces. The machine does not have an ATEX classification.

The components of the machine's electrical system are protected at least to the degree required by the IP54 classification. In practice, this means that no detrimental layers of dust accumulate on the components and they have been protected against splashes of water.

The electronic and mechanical components of Wille 375 ATF have been designed to be spark-free. This makes using the machine as safe as possible in explosive atmospheres or other facilities where it has been classified as safe to use.

The diesel engine of Wille 375 ATF has no emission classification, which means that its use requires a special permit (Regulation (EU) 2016/1628 of the European Parliament and of the Council).

REQUIREMENTS FOR MACHINES USED IN THE B-CLASS EXPLOSIVE MATERIAL SPACES OF THE FINNISH DEFENCE FORCES:

- ▶ **Machines used in potentially explosive atmospheres must meet the requirements of the Machinery Directive (2006/42/EC).**
- ▶ **IP protections of the electrical system:**
 - The machine components must have at least IP54 classification (Protected against dust. Does not require perfect sealing, but detrimental dust accumulation is not allowed. Protection against water splashes)
- ▶ **Spark-free electronic and mechanical components:**
 - The machine has two grounding points instead of one, preventing sparks during potential fault situations.
 - The tyres are antistatic
 - Critical electrical connections have been cast inside the mass
 - The machine components have been chosen to avoid sparks (e.g. the alternator)
 - The exhaust pipe has a spark trap
 - Forklift forks are made of non-sparking material, so they do not generate sparks when in contact with the ground
- ▶ **Cooling hot surfaces and exhaust gas; no surface or exhaust gas can exceed 200 degrees Celsius**



// **FIRST-CLASS
FEATURES.**



ATF

Width:

- ▶ 1476 mm (without mirrors)

Driving height:

- ▶ 2075 mm

Length:

- ▶ 4776 mm

Ground clearance:

- ▶ 255 mm

Free ground clearance:

- ▶ 220 mm

Maximum lifting height:

- ▶ 3500 mm

Lifting capacity:

- ▶ 1200 kg / with 500 mm distance from the base of the fork

Engine power:

- ▶ 31 kW / 2600 rpm

Fuel tank:

- ▶ 50 l

Fuel consumption:

- ▶ 5.64 l/h with a 75% power

Machine weight:

- ▶ 3670 kg

Machine weight (loaded):

- ▶ 4870 kg

Unloaded front/rear axle:

- ▶ 1370 / 2300 kg

Loaded front/rear axle:

- ▶ 3495 / 1375 kg

Maximum tilt of the mast:

- ▶ +/- 8 degrees

Fork gap from outer edges:

- ▶ 340 mm - 864 mm

- ▶ Hydraulic side shift on forklift forks

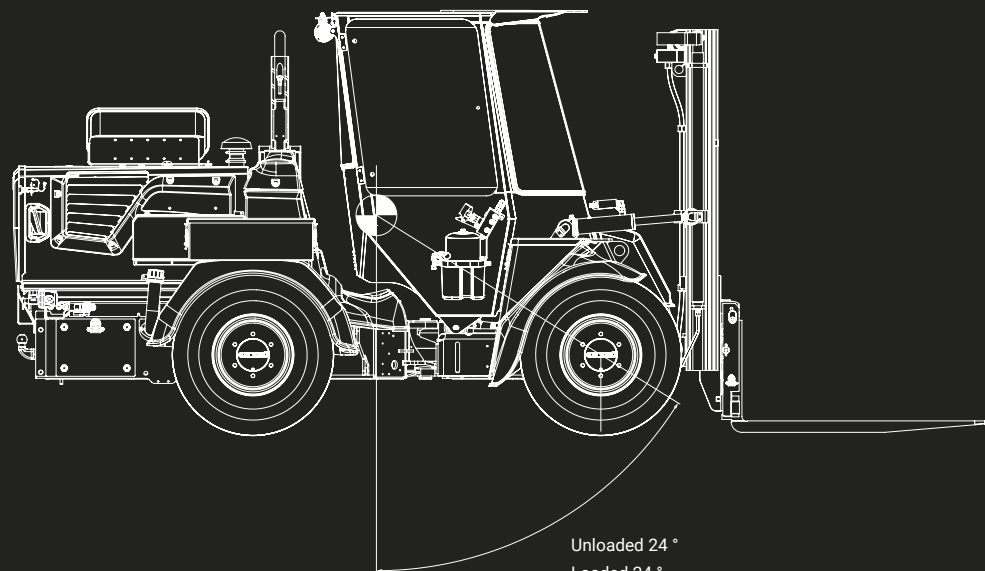
- ▶ Hydraulic spread on forklift forks

Tilting angles

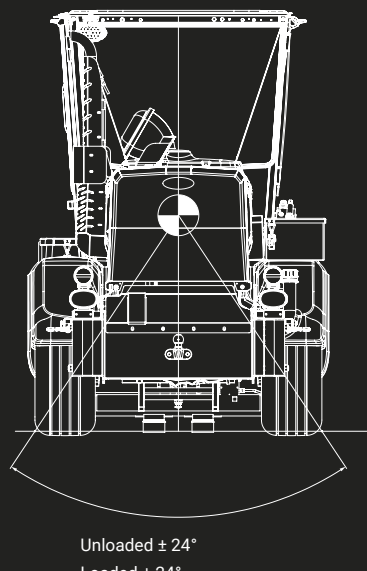


= Centre of mass

Loaded = 1,200 kg / 500 mm from the base of the forks / Full tilt backward.
Up = at 3,500 mm height / Forks horizontal

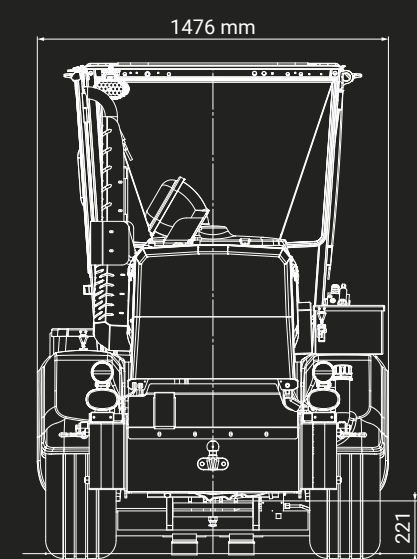
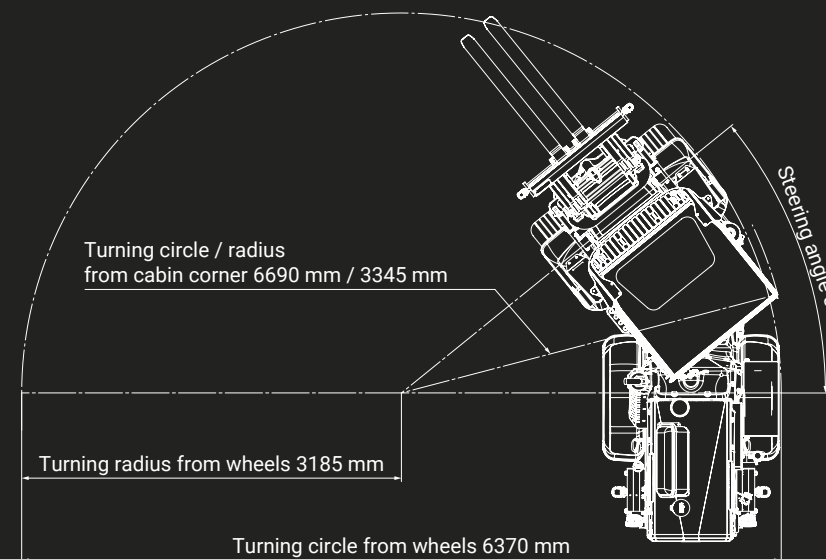
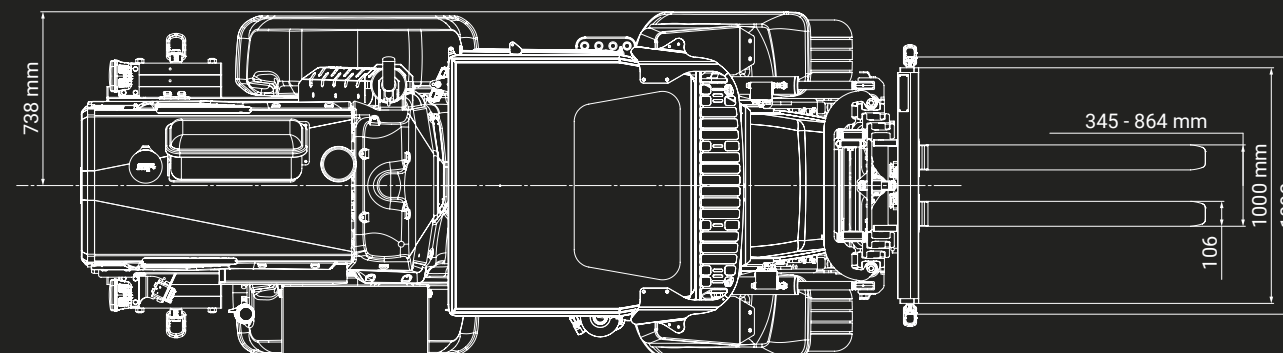
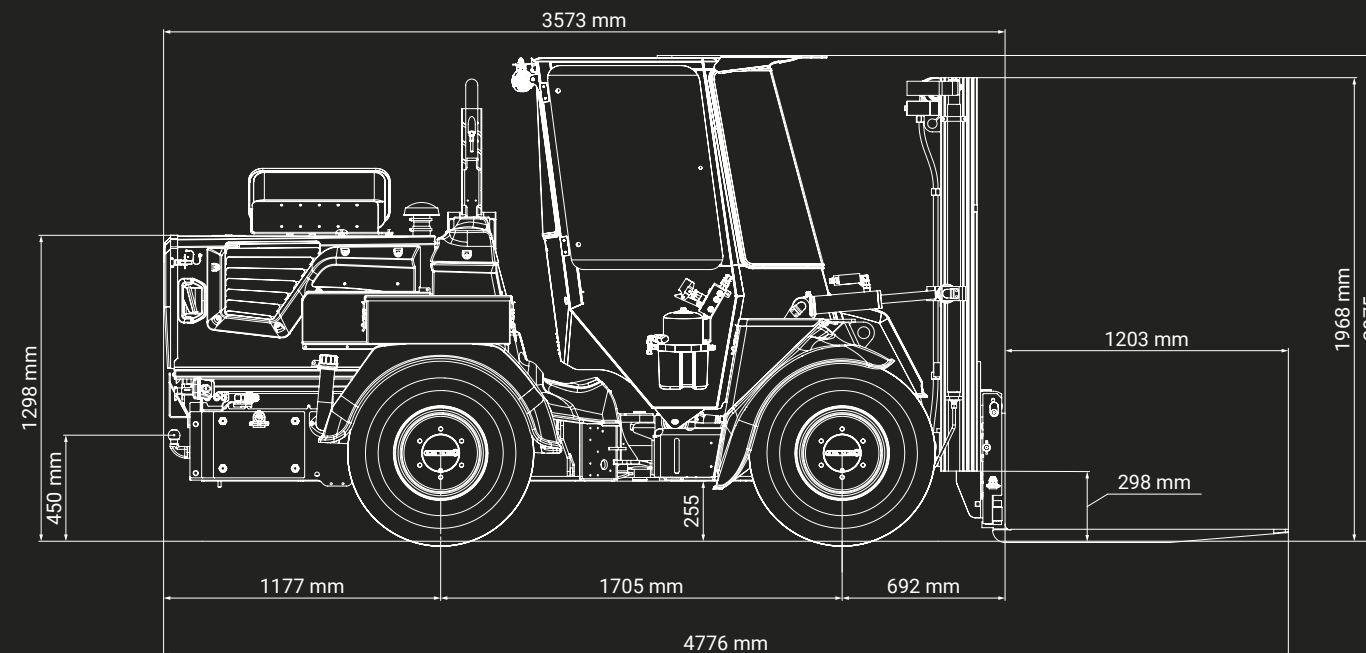


Unloaded 24 °
Loaded 24 °
Mast up, unloaded 24 °
Mast up, loaded 16 °



Unloaded ± 24°
Loaded ± 24°
Mast up, unloaded ± 13°
Mast up, loaded ± 6°

Dimensions





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**MORE
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