

TW25 FORKLIFT TRUCK

The smallest 4x4 forklift of the market among the 2,500 kg lifting capacity. Minimum maintenance. 50 HP and wheel motors

The TW25 is the most powerful forklift truck with the highest lifting capacity 2,500 kg in the compact range, which allow the user to work indoors and outdoors. It measures 2.1 metres in height and only 1.7 metres wide. Adding the 3.7 meters external turning circle, this model allows enhanced maneuverability and the ability to work in tight environments. The 35 cm ground clearance is a guarantee to overcome obstacles such as sinkholes, chasms, kerbs, stones, etc.

One of the most important technological aspects of the TW25 forklift truck is the use of the hydraulic motors on the axle of each wheel. These motors are coordinated by an anti-skid block system that distributes the effort of each wheel, improving the efficiency of the energy transmission from the motor to the ground with best grip results.

This technology places the TW25 at the technological forefront of the forklift market. There are several reasons: wheel motors weigh less, with fewer components and simpler mechanics. It means almost zero maintenance costs and significantly lower fuel consumption. Due to the reduced size of the wheel motors it makes it possible to upgrade the design of the truck, gaining greater ground clearance and improving weight distribution.

The implementation of this technology generates

The powerest and best equipped among those which can work indoors

enhancements for driving – much easier, safer and more comfortable, more efficient and extremely low maintenance costs.

This model has several technical aspects that are worth looking at. The first of these is the 50hp Perkins Stage III A motor. Agrimac's engineers have prioritised the use of a mechanical motor to ensure minimum unit maintenance costs. Thanks to it, the user will save on service parts and labour.

The TW25 cooling system has two independent radiators: one acts on the central engine and the other on the hydraulic circuit. This extra cooling capacity ensures a 50 degree constant oil temperature even in high



Great performance on rough terrain



Intuitive and easy driving in any situation



In-wheel motor. Each of the four wheels have hydraulic motor in its axle that performs the traslation movement.



Zero maintenance. Lacking differential bridges maintenance is reduced to the minimum. The truck is designed not to fail.



Compact size. Is are low and narrow; Ideal for indoor work. It has the best power to size ratio on the market.



Highest speed on the market. The TW25 reaches 24 km/h in 4x4 mode. Few forklift trucks on the market can offer this feature.

demand moments. In this way, all oil-immersed elements are protected and the forklift truck benefits from a longer useful life.

In terms of safety the negative brake automatically fixes the vehicle to the ground when the engine is switched off. In terms of comfort the TW25 brings: a quality, adjustable seat as well as a mast design that allows a wide view of the cargo and operations.

A further aspect of comfort is the truck's ease of operation. Driving is so simple that a first time user becomes a skilled as an operator on his first day. For load handling moments, the TW25 features a slow inching approach system that facilitates accurate loading and unloading results.

Regarding safety and drivers comfort, the negative brake stands out, fixing the vehicle to the ground automatically when the

Can be equipped with a duplex 2.50 3.14 and 3.60 meters mast or a triplex mast of 4 and 6 meters.

engine shuts down. As for comfort, the TW25 has what every operator needs: a quality adjustable seat besides a mast design that allows a wide view of cargo and operations. This, in addition to the inching, allows driver slow approach for loading and unloading, and for ease, all this combined with the smooth driving of in-wheel motor driven vehicles makes it a pleasant driving machine.

The TW25 is a formidable model, cared to the smallest detail; designed for intensive use in the worst conditions, and configured for a minimum fuel consumption and zero maintenance cost.



Oil display to check the hydrostatic system

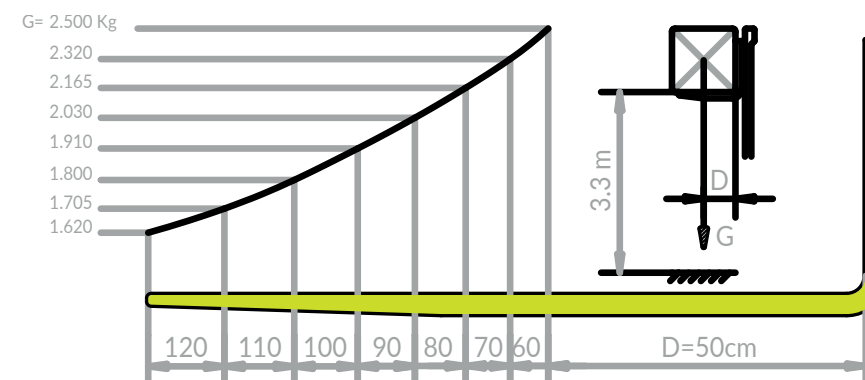


Equipped with large wheels to maximize traction

TW25

GENERAL		Unit
Payload	kg	2,500
Unladen weight	kg	3,780 (With 4 m triplex mast)
ENGINE		Unit
Make / Model	-	Perkins / 404D-22
Power	kW / CV	36.5 / 50
Torque	Nm	139
Cubic capacity	cm ³	2,200
Number of cylinders	-	4
Revolutions per minute	rpm	2,800
Emissions stage	-	IIIA
Alternator	V-A	12 - 65
Refrigeración	-	Liquid
RUNNING		Unit
Gearing	-	2 Forward 2 Reverse Slow approach system
Top speed	km/h	24
Gradeability	%	30
Inner turning circle	mm	2,225
Outer turning circle	mm	3,725
Steering	-	Hydraulic with priority valve
Traction	-	4x4
Brakes	-	Hydrostatic to all four wheels. Servo to front wheels. Parking system automatic to front wheels
Wheels	-	Front: 11,50/80-15,3 Rear: 10,0/75-15,3
HYDRAULIC SYSTEMS		Unit
Transmission	-	In-wheel motor
Displacement pump		
Flow	l/min	126
Pressure	bar	400
Working pump		
Flow	l/min	35
Pressure	bar	180
TANKS		Unit
Fuel	l	55
Oil	l	55
EQUIPMENT		Unit
Battery	V - Ah	12 - 74
Mast	m	Duplex: 2.5 / 3.14 / 3.6 Triplex: 4.0 / 6.0

TW25



MASTS	
Duplex 2.50 m	1,975 mm
Duplex 3.14 m	2,020 mm
Duplex 3.60 m	2,510 mm
Triplex 4.00 m	2,080 mm
Triplex 6.00 m	2,850 mm

