

TG-5000

Towar Tractor

USE & HANDLING

The tractor TG-5000 is a compact unit with a drawbar pull capacity of 5,000 lb. This tractor has been specially designed for towing trolleys and wheeled units in airports, ports, railway stations, industrial plants, etc., as well as for towing aircraft whose weight does not exceed 15,000 kg.

As an option, the tractor TG-5000 can be equipped with a foot-down approach device, at slow forward or reverse speed, to make the task of locking the tractor's hook in the towable equipment easier for the driver. The device is actuated by means of two push-buttons housed in an embedded pushbutton assembly, which is situated on the outside of the rear left-hand side of the tractor.

The model TG-5000 has been designed in compliance with standard EN 12 312 - 13.



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TG-5000 Towar Tractor

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ENGINE Deutz Diesel model F4M2011, oil-cooled, 4 cylinders with a diameter/stroke of 94/112 mm, 3.11 litre cylinder capacity, compression ratio 17.5:1, power 60 kW/2500 rpm, maximum torque 270 Nm at 1600 rpm.

TRANSMISSION Graziano PST-2 hydrodynamic, oil radiator, 2 speeds goes forward and one goes behind with electric control, ratios 1:2.55 and 1:1.096 and torque converter.

DRIVE AXLE DANA rear axle with 1:10.46 total reduction, equipped with conical reduction in differential and epicyclic on wheel hubs.

SUSPENSION Front and rear by semi-elliptic springs.

STEERING Hydrostatic, servo-assisted.

BRAKE SYSTEM Rear service brake: Multidisc in oil bath
Parking brake: Negative disc brake in oil bath activated by helical springs.

WHEELS Commercial
Front: 6.5 R-10
Rear: 7.5 R-15

CHASSIS Very strong with single-body frame consisting of electrowelded elements with extra thick perimetral plates. The vehicle's tightly adjusted dimensions make it very easy to manoeuvre. Its design allows easy access to all the elements, facilitating their maintenance.

SEATS Buffered and located on the left-hand side for the driver. The tractor is equipped with a seat for a companion.

ELECTRIC EQUIPMENT Powered by 12 V and 70 Ah battery in DC. 55A alternator.

LIGHT Front: Headlights protected by metal grids
Rear: Side lights, brake lights and reverse lights
Front and rear directional lights.

INSTRUMENT Horometer for hours of service; gauges to indicate fuel level and engine oil temperature; horn; battery, engine oil pressure and directional light indicators.

DIMENSIONS

Length:	2,970 mm
Width:	1,600 mm
Height with cab:	2,095 mm
Height without cab:	1,340 mm
Distance between axles:	1,500 mm
Rear track width:	1,280 mm
Front track width:	1,340 mm
Minimum distance to ground:	225 mm

OPERATING SPECIFICATIONS

Turning radius (outside wheel):	3,680 mm
Maximum speed:	26 kph
Towable weights: 15,000 kg on one element	
22,000 kg on elements in tandem, with 5% gradient.	
Traction effort:	2,270 kg (5,000 lb)
Weight without cab:	3,800 kg
Weight with cab:	4,000 kg
Fuel tank capacity:	65 litres

PASSIVE SAFETY The vehicle's operation is enhanced in the following functions:

No speed is introduced until the service brake has been applied; incompatibility exists between the brake and travel with the result that the sending of drive force is eliminated when the brake is applied, the engine does not start up if the parking brake has not been actuated and, in the same way, the engine cannot be turned off without the parking brake having been applied. The vehicle's travel direction cannot be reversed without first stopping it. All the components used are of the highest quality in the market.

OPTIONAL SUPPLY Cab: This model can be purchased with or without cab. The cab, consisting of a closed metal structure, is equipped with 2 doors and windows that can be opened on the sides and at the rear. It is also equipped with inside light and windscreen wiper control.
Heating in cab.
Third passenger seat with suspension.
Rotating beacon.
Tow hook control from inside the cab.
Approach system with external control and emergency stop.
Front rubber fenders.
Acoustic travel signal.

Front servo-assisted disc brake system.
Spark trap in exhaust.
External 12 V electric PTO.
Adjustable work beacon.
Approach system with external control and emergency stop.
Covered cab.