

# MULAG

Innovative Technologies for Ground Support Equipment



# Towing Tractor Comet 3

ANLIEFERUNG  
ALLE  
PAKETDIENSTE



The Comet 3 is an ideal solution for Ground Support in the field of baggage transportation with many interesting options.

# MULAG Towing Tractor Comet 3

- High availability
- Flexible in use
- Great agility

## MULAG-Quality makes an impact

Fully developed technology and more than 30 years of experience with the manufacturing of airport vehicles combined with the latest technical know-how are complemented by the highest manufacturing quality, certified by DIN EN ISO 9001:2000. Thus we can guarantee high cost effectiveness with the use of our products:

- high availability and reliability
- low cost of maintenance

## Easy and effective handling is our plus

Interesting equipment details like hydraulically suspended seats adjustable to the weight of the driver/co-driver and also adjustable in longitudinal direction and height show our claim for ergonomic vehicles as well as the clearly arranged operating controls in the driver's field of vision and the adjustable steering wheel.



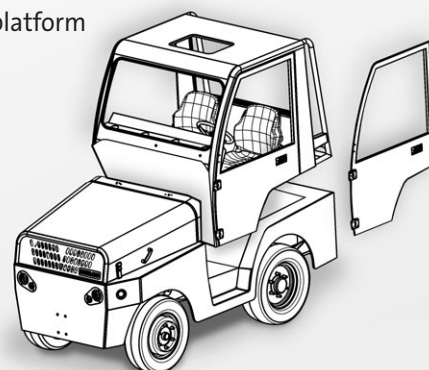
The design of our airport vehicles was based on an independent chassis especially developed for that purpose: Thus we achieve optimal load balance and outstanding dynamical characteristics, as well as quick and easy access to all important service points and components.

## Your MULAG towing tractor options

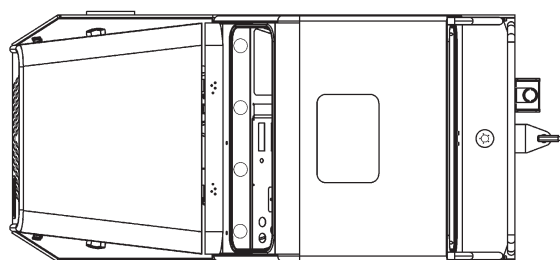
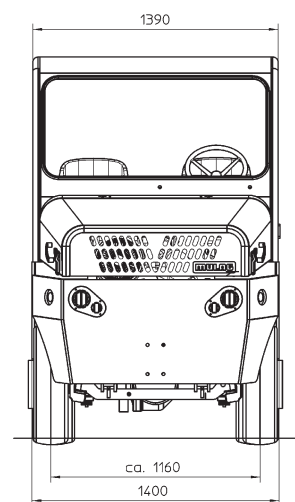
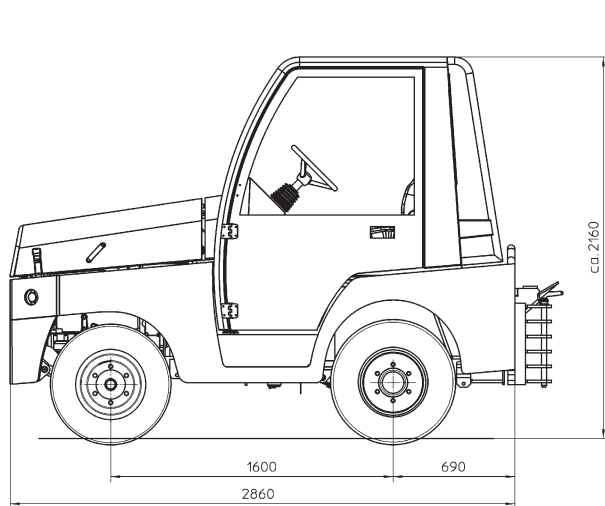
Our towing tractors are available in several different basic versions – thus you can always choose your optimal vehicle configuration:

- Closed cab, separately mounted on vibration isolated elements which guarantee the minimization of vibration and noise inside the cab
- Open cab with windscreen and roof
- Open driver's platform without cab

Configure your MULAG tractor to your needs!







## Comet 3

### Technical Data and Dimensions

#### Engine and Powertrain

Engine	oil-/aircooled Deutz-Diesel 4 cylinders / F4 L 2011* 41 kW / 55 PS at 2500 rpm
Transmission	Voith PST 1*
Steering	Hydrostatic steering system, hydraulically assisted
Brakes	Power-brake system disc brake with one caliper each side in front, drum brake in rear, hydraulic spring loaded parking brake
Front axle	steering axle fixed in laminated springs
Rear axle	differential axle fixed in laminated springs
Electrical system	24 V Batterie, 2 x 88 Ah*
Tank capacity	approx. 70 l Diesel
Driving speed	approx. 25 km/h

#### Dimensions and Weights

Dead weight	approx. 3.000 kg
Drawbar pull	approx. 17 kN (1.700 kg)
Length	2.860 mm
Width	1.400 mm
Height (top of cab)	2.160 mm
Wheel base	1.600 mm
Track width	approx. 1.160 mm
Ground clearance	approx. 160 mm
Turning circle	approx. 3.450 mm
Wheels/tires front	185 R 15
Wheels/tires rear	225 / 70 R 15

\* other technical equipment on demand

#### Serial Equipment

- Robust industrial engine
- Automatic transmission with electrical protection against improper handling
- Hydrostatic steering
- Dual circuit power-brake with vacuum booster
- Hydraulically ventilated parking brake acting on rear drum brake
- 5-fold trailer coupling at the rear (others upon request)
- 2 outside rear view mirrors
- hydraulically suspended drivers/co-drivers seat individually adjustable
- Safety belt
- Adjustable steering wheel
- Roof light\*
- Wiper-washing system\*\*
- Sun shield for driver\*
- Fuel gauge
- Working hour meter
- Emergency switch-offs
- Indicator for the wearing out of brake lining

\* with closed cab

\*\* with closed and open cab



We provide many interesting equipment details – and quite often as serial equipment.

# Comet 3

## Comet 3 – a new Dimension for Ground Support at Airports

Through the sophisticated design of the Comet 3 its application as towing tractor gets extremely economical and efficient: All Ground Support tasks on airports are accomplished easy and fast.

The high quality of workmanship reduces long down times and service cycles to a minimum – efficiency and economy at duty on airports!



### At MULAG service comes first

Even the best vehicle design is of no avail without a strong and efficient after-sales service during the whole lifetime of the vehicle. This is where MULAG comes into play, with the reliable and quick supply of information and spare parts for our customers – you can count on us!

### High-Tech is our crucial advantage!

The use of high-grade industrial components instead of standard components is crucial for the reduction of down times and need for service of our vehicles to a minimum! Overdimensioned power and loading capacities result in high reliability and safety – well known to our customers worldwide as MULAG Quality.

### Our achievements in Ground Support are convincing!



All in all a convincing solution – the Comet 3



The sophisticated motor-design shows its practical advantages



Available with many cab-options for all purposes

## MULAG

MULAG Fahrzeugwerk  
Heinz Wössner GmbH u. Co. KG

Gewerbestraße 8  
77728 Oppenau  
Germany

Phone +49-(0)7804-913-0

Fax +49-(0)7804-913-159

E-Mail [info@mulag.de](mailto:info@mulag.de)

Web [www.mulag.de](http://www.mulag.de)

