

# MULAG®



## ***Conveyor Belt Vehicle MDF12***

***Your Economy is  
our Strength!***

# MULAG® Conveyor Belt Vehicle MDF12

The MULAG-Diesel Conveyor Belt Car MDF is outfitted with various serial equipment as well as customized features and options:

## Serial equipment

- Endless belt, triple-layer with Rufftop-surface
- Hydraulic belt speed adjusting (no change of number of revolutions of the engine)
- Robust industrial Diesel engine
- Hydrostatic drive
- Hydrostatic steering
- Dual circuit brake system with hydraulic booster
- Lighting and horn according to road regulations

- Comfortable hydraulic suspended driver's seat
- Safety belt
- Roof light\*
- Wiper system for windscreen\*
- Sun shield\*
- Fuel gauge
- Working hour counter
- Five emergency-switch-offs

\* with driver's cab

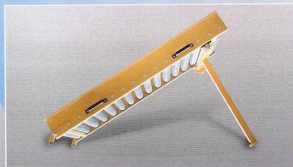
## Customized options available

- Driver's cab (without door)
- Driver's cab closed, with door
- Cab heating system
- Working floodlight
- Rotating beacon light (orange) mounted onto cab
- Reverse buzzer



## Easily accessible driver's compartment

with ergonomic arrangement of all operator's controls.



## Conveyor extension

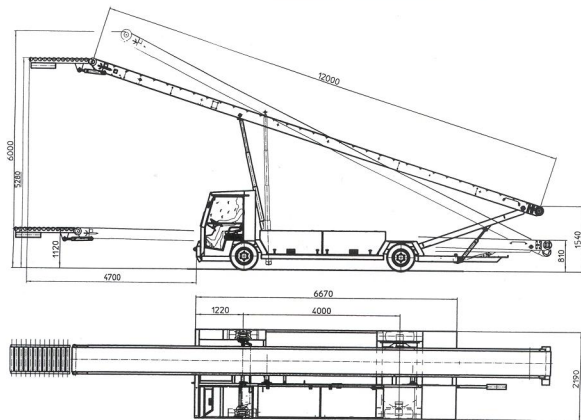
with adjustable support for extra stability.



## Sound isolated engine compartment

with centrally arranged hydraulic valve block and electrical switch box.

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/ metrical dimensions

## MDF12 Technical Data

### Vehicle Specifications

Engine:

oil-air-cooled, Deutz-Diesel, 4-cylinder / F 4 L 1011 F  
37 kW / 50 hp at 2300 rpm (others upon request)

Drive:

hydrostatic

Steering:

hydrostatic steering system

Brakes:

Dual circuit brake system with hydraulic booster

Electric system:

12 V, battery 88 Ah

Front axle:

steering brake axle with disc brakes

Rear axle:

wheel hub motors, flange-mounted to the frame

Tires:

205 R 14

Driving speed:

approx. 25 km/h (15 mph)

### Vehicle Dimensions and Weights

Total weight:

approx. 4 300 kg (9 480 lbs)

Overall vehicle length (with load ramp):

approx. 13 900 mm (45.6 ft)

Width:

approx. 2 190 mm (7.18 ft)

Height over steering wheel:

approx. 1 400 mm (4.59 ft)

Height over cab (Option):

approx. 2 000 mm (6.56 ft)

Wheel base:

approx. 4 000 mm (13.12 ft)

Turning radius:

approx. 11 000 mm (36.09 ft)

Ground clearance:

approx. 200 mm (7.87 inches)

Travelling speed:

approx. 25 km/h (15 mph)

### Conveyor Specifications

Overhang of front end conveyor (load ramp) to front end chassis:

approx. 3 830 mm (12.57 ft)

Rear end down, front end up:

approx. 4 700 mm (15.42 ft)

Rear end up, front end up:

approx. 6 000 mm (19.68 ft)

Max. height front:

approx. 1 120 mm (3.67 ft)

Min. height front (belt in transport position):

approx. 710 mm (2.33 ft)

Max. height rear:

approx. 1 540 mm (5.05 ft)

Max. angle of inclination:

approx. 30°

Max. belt load:

approx. 50 kg/m (33.5 lbs/ft)

Max. single load:

approx. 150 kg (330 lbs)

Belt speed:

approx. 0 - 0.6 m/s (1.97 ft/sec)



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## Features for loading/offloading Ships

The MDF12 naval version was especially designed for loading or offloading military and commercial ships including the following features:

- Rotating beacon light for „conveyor belt lowering“, mounted underneath conveyor boom (safety feature).
- Starting aid socket (NATO-Standard)
- Manual pump for emergency operation
- Additional belt movement control at front end of the conveyor boom (removable control box with flexible cable).
- Loading ramp fixed to the front end of the conveyor boom of approx. 1600 mm (5.2 ft) with rollers.
- Removable extension to fit on manually in case of need, length approx. 1600 mm (5.2 ft) with rollers.
- Guard rails, height: 150 mm (5.9 inches).
- Adjustable rear height of the belt to max. 1540 mm (5.05 ft)

## MULAG Conveyor Belt Vehicles are recognized worldwide for their:

- superior production quality (DIN EN ISO 9001)
  - combined with the latest technical developments
  - extra high availability and reliability
  - extremely low maintenance costs
- = **highest economy!**

## The conception of this vehicle has been proofed for over 30 years now.

Especially for this vehicle, we designed a unique chassis:

- optimum weight distribution with excellent dynamic characteristics
- very easy and fast access to all important parts, maintenance and control spots
- the conveyor belt is driven by a robust hydraulic engine
- One-man-operation!

# MULAG®



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