

1.1 **1 x GOLDHOFER Conventional Tractor**
»BISON« D620
28 t / 115 kW / Cabin



1.1.1 Technical data

- Length (frame) short version: 6.895 mm
- Width (frame): 2.295 mm
- Height (cabin lowered): 1.990 mm
- Height (cabin lifted): 2.565 mm
- Turning radius short version: 6.027 mm
- max. speed 30 km/h
- basic weight approx. 28 t

General features

- 4-wheel drive
- ballast mounting and removal in compartments on both tractor sides

Painting

- vehicle painted in RAL 2011 – red orange
- rims painted in RAL 9005 – deep black

Engine

- DEUTZ Diesel TCD 4.1 L4
water-cooled, turbo-charged, 4 cylinders in-line
115 kW at 2,300 rpm acc. to ISO 14396
integrated engine management system EMR
exhaust emission acc. to EU guidelines 2004/26/EC,
emission level EPA Tier 3 / EU Stage IIIA
- installed tractive force, approx. 205 kN

Transmission

- ZF 6 WG 160 ERGOPOWER full-powershift transmission with integrated torque converter
- fully automatic

- jerking-free gear shift, even under full load
- manual and automatic gear-shifting mode
- 6 forward / 3 reverse gears

Steering

- hydraulic Orbitrol steering
- Comfort steering
steering modes: front wheel steering, 4 wheel steering and crab steering
- electric emergency steering system

Chassis, brakes and tires

- fully hydraulic, 3 circuits
- internal wet disc brake system
- service brake: 2 independent circuits
- parking / emergency brakes: spring-loaded disk brake system, failsafe
- Emergency release device for parking brake (hydraulic hand pump)
- tires: 310/80 R22.5 front, 310/80 R22.5 rear

Controls

- ignition lock
- parking brake
- drive direction switch
- switch for hazard warning lights, rotating beacon, working lights, cabin lift (optional)
- emergency stop button in the driver's cab / in the cabin
- steering column switch: light, wiper-washer, horn

Lighting

- front: halogen headlights & LED turn signals
- rear: LED rear light combination with turn signals, tail lights, brake lights and reversing lights
- hazard warning lights
- working-, clutch lights and Rotating beacon LED (orange)

Central multifunctional display (HMI)

- display for: speed, RPM, distance, direction of travel, gear, lights, parking brake, fuel level, AdBlue level (optional), engine temperature, transmission temperature, steering mode selection, etc.
- pop-up displays for error messages
- electrical system 24 V

Including the following equipment:

- left-hand steering
- reverse drive buzzer
- 1 ea tow-hitch mirror, front + rear

- 1 ea tow-hitch light, front + rear

Driver's stand / Cabin

- cabin roof, large front window, privacy safety glass
- 2 lockable doors
- comfort driver's seat (MSG 85) with 2-point safety belt
- Passenger seat Cobo with 2-point safety belt
- adjustable steering column
- 1 x interior light / 1 x interior mirror / 2 x outside mirrors (right and left)
- wiper-washer system for front and rear window
- doors with sliding windows
- heated rear window heating and ventilation system
- warning sound when reversing of the vehicle frame

1.1.2 **Accessories**

2 x working light LED (white) left and right on backside of cabin roof

1 x spare wheel

- Dimension 310/80 R22.5

Additional hitch front

- 1-stage additional tow hitch, without remote control (for russian aircraft), 3" (75 mm) pin, fixed with chain

Additional hitch rear

- 1-stage additional tow hitch, without remote control (for russian aircraft), 3" (75 mm) pin, fixed with chain
- Heated front hitch mirror
- Heated rear hitch mirror
- LED main headlamp

1.1.2.3 **Lighting**

- 2 x Working light LED (white)
- Air conditioning incl. standard heating (heating-air conditioning unit)
- Parking heater with timer
- power supply 12V (eg. Radio etc.)
- Reversing camera
- Interphone system (short)
- Heated windscreen
- roof fan

Steering wheel knob

- enclosed and must be mounted by the customer

- Brake pad tray
- Electrically adjustable and heated rear view mirrors
- central lubrication system (does not grease drive shafts and couplings)
- External starter socket
 - Vehicle-side socket for connecting the jumper cable
- Battery charger for starting battery (220 Volt / 24 Volt)
- Engine arctickit
 - Coolant preheating 230 V
 - Immobilizer 230 V
 - Diesel tank heated 230 V
 - Hydraulic tank heated 230 V
 - Water separator heated 24 V
- Protective grille for rear window (two-part)
- Protective grille for front lighting
- Protective grille for rear lighting

1 x fire extinguisher in 12 kg

- Hand fire extinguisher in 12 kg version

1 x warning triangle

- First aid box

1.1.3 Training**1.1.3.1 Training**

- Training at customers location, in **Estonia**
- **5 days**
- Goldhofer is taking over the costs for flight, Hotel and salary of the field engineer

1.1.4 Technical Documentation

- 1 x User information (online), English
 - Operating and maintenance manual (online), English
 - Information folder, English
 - Safety manual (online and hardcopy form)
 - Information "You can find the latest version of this publication in the online spare parts catalogue easyPARTs" (hardcopy form)
 - Spare parts catalogue (online), german and english
 - Driver's manual (online and hardcopy form), English
 - Rescue manual (online and hardcopy form), English

Additional documentation

- 1 x Operating and maintenance manual (USB flash drive), Estonian

Delivery time

Ex works approx. 12-14 months after receipt of firm order.

Warranty**Diesel vehicles**

We grant warranty in accordance with our General Terms and Conditions (Sale). Claims for material defects expire after one year from delivery of the purchased item.

The warranty is for 2.500 operating hours, 24 months after the vehicle is put into operation (beginning no later than 8 weeks after delivery from the factory), whichever comes first.

Battery

Max. 1,500 charging cycles or 24 months from vehicle start, whichever occurs first, but not against misuse and negligence. State of health (SOH >80% of battery capacity).

In addition, we provide a functional warranty on the vehicle frame for a period of 5 years from delivery of the vehicle.

Goldhofer has been certified by TÜV Bayern Sachsen for the application of a quality management system for the development and production of trailer vehicles, non-driven and driven heavy duty transport systems and special vehicles according to **DIN EN ISO 9001: 2008**.

CERTIFICATE- Registration No. 12 102 14868 TMS.

General information

Subject to design changes in the interest of progress and due to legal regulations.

Intended use

The operating instructions must be observed for the use of the vehicles and their intended use. Unless otherwise stated, the vehicles are designed for operation in the temperature range from -25°C to +48°C. In addition to the technical possibilities, compliance with public and official regulations must also be observed. The customer/operator alone is responsible for compliance with the regulations.

User information / Intended use

Prerequisite for warranty and product liability is the observance and compliance with the user information of the product (operating instructions and applicable documents). The same applies to the proper and regular maintenance (servicing, care, inspection, repair and improvement) of the product.

Technical features / official regulations

In addition to the technical features, compliance with public law and official regulations must be observed. The customer/operator alone is responsible for compliance with regulations is the sole responsibility of the customer/operator.

Modification of the product or its properties

Warranty and liability claims expire if the product and / or its properties are changed arbitrarily.

Furthermore, all manufacturer's declarations and, if applicable, the operating license expire.

This can happen e.g.: by change of the construction, the adjustments, attachments and conversions etc.).

Adjustments

Warranty claims are void if technical parameters set at the factory are changed without authorization.

Attachment parts

The companies of the Goldhofer group does not issue general approvals for attachments from third party manufacturers.

Any possible individual approval for the corresponding add-on parts must be obtained from the companies of the Goldhofer group and the manufacturer.

Safety

Claims expire if the product is not in a safe operating condition. This includes the roadworthy, technically safe as well as the operationally safe condition of the vehicle/product.

Technical data

Tolerance of mentioned data $\pm 3\%$. Technical modifications reserved.

Pre-Delivery-Inspection

Can be done at our factory upon customer's request. Travelling expenses incl. hotel accommodation and food for inspection team to be borne by customer.