



Goldhofer

»BISON« FAMILY THE FUTURE PROOF PUSHBACK

CONVENTIONAL TRACTORS



MADE FOR YOUR MISSION

»BISON« FAMILY FUTURE-PROOF AIRCRAFT TRACTORS



The mighty »BISON« family comprises a whole range of conventional aircraft tractors to handle any aircraft. Even the toughest tasks and climate conditions can't bring this impressive heavyweight down. With its agility no airport environment is too challenging.

This modular concept may be equipped with either a diesel or an electric drivetrain. The wide range of options available not only allows you to customize the perfect fit for your operation, but also helps you reduce TCO by minimizing maintenance efforts and spare parts storage.



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MODULAR PLATFORM

6



MAXIMUM PERFORMANCE

8



VALUE FOR YOUR MONEY



MODULAR PLATFORM OVERVIEW

**Customize your vehicles to fit your individual needs!
The »BISON« offers maximum utility in your daily ground handling operation.**

Choose between different sizes, drive trains, motor power and cabs. Benefit of a well-thought-out operation and take advantage of a well engineered operation system throughout the whole range, which ensures maximum safety.

- + Identical parts save storage and costs**
- + Find the perfect size and power for your operations**
- + Flexible ballasting allows individual configuration according to the respective application**





CABLESS



OPEN CAB



CLOSED CAB

»BISON« CABIN



≤ 100 t

105 kN | 75 kW

»BISON« D 370

»BISON« E 370

≤ 895 Nm | 105 kN

≤ 100 t



≤ 250 t

205 kN | 115 kW

»BISON« D 620

»BISON« E 620

≤ 895 Nm | 205 kN

≤ 250 t



≤ 400 t

305 kN | 200 kW

»BISON« D 1000



≤ 600 t

490 kN | 298 kW

»BISON« D 1500



MAXIMUM PERFORMANCE COUNT ON »BISON«

Unstoppable power to keep you moving.

Thanks to its modular design, the »BISON« can easily adapt to your specific requirements. This is one more reason why the »BISON« is the perfect pushback solution for any airport.

- + Move aircraft up to 600 t MTOW**
- + Diesel capacity for 2 shift operation from 75 kW to 298 kW**
- + Electric motor with a maximum torque of 895 Nm allows you to work through a full day**



RELIABILITY

- + Count on »BISON« during every shift for the long haul
- + Large tank as well as »IonMaster« technology is adequate for a two-shift operation
- + Maintenance interval of 1,000 h and low effort allows maximum availability

SIMPLE OPERATION

- + Same operation of all tractor sizes reduces time spent for trainings and improves safety
- + Less repair effort due to easy, safe and ergonomic operation
- + Display shows plain text of any incidence

FUTURE PROOF

- + High quality components ensure optimum and long-term availability
- + The smart ballasting concept allows individual configuration even if tasks change
- + Retrofit an operator platform or change diesel to electric

ERGONOMICS & SAFETY

- + Well thought-out cockpit with ergonomic operation and seating position
- + Cabin with optimized view onto the couplings



VALUE FOR YOUR MONEY

THE »BISON« D



UP TO 1,000 h
MAINTENANCE
INTERVAL



CABIN OPTIONS
FOR FLEXIBLE
CONFIGURATION



CROSS OVER PARTS
FOR CONVERSION
TO »BISON« E

»BISON« D 370
75 kW | 105 kN | MTOW ≤ 100 t



DIAGNOSIS AND MAINTENANCE

- + Incidents shown as plain text in the multi-function display
- + Easy access of preventive maintenance components
- + Time-saving work processes and 1,000h maintenance interval



MAINTENANCE FREE COMPONENTS

- + Optimized hydraulic system with reliable gear pumps for long life use
- + Cardan shaft – no greasing required



REDUCED CONSUMABLES

- + Simplified fluid maintenance
- + Less storage and effort when changing
- + Environmentally friendly and cost-saving
- + Individual hydraulic fluid tanks for both steering and braking



VEHICLE-SPECIFIC ADVANTAGES

- + Leaf suspension specially developed for »BISON« D
- + Reduced maintenance effort through use of rubber bushing
- + No lubrication required
- + 3 different types of cabin design: cabless, open cab, closed cab



»BISON« D 620
115 kW | 205 kN | MTOW ≤ 250 t



»BISON« D 1000
200 kW | 305 kN | MTOW ≤ 400 t



»BISON« D 1500
298 kW | 490 kN | MTOW ≤ 600 t
EU STAGE V



GOLDHOFER »IONMASTER« TECHNOLOGY THE »BISON« E



MODULAR
EXPANDABLE
BATTERY SYSTEM



CABIN OPTIONS
FOR FLEXIBLE
CONFIGURATION



MAINTENANCE
FREE MAIN
COMPONENTS

»IONMASTER« TECHNOLOGY

- + Integrated battery management including active temperature management and heat pump for maximum battery lifetime
- + Modular and expandable battery to serve your requirements efficiently
- + 400 V lithium-ion battery tried and tested in automotive for maximum power and lifetime
- + Opportunity charging for multi-shift operation
- + Electric drivetrain, electric motor, battery, inverter and heat pump maintenance free



CHARGING INFRASTRUCTURE

Goldhofer advises four different charging options due to the size of your fleet:

- + On-board charger
no separate charging infrastructure necessary
- + Standard charging station
- + Intermediate wallboxes
allow you to charge several »BISON« E the same time
- + Intelligent wallboxes
recognize how many »BISON« E are connected and how much charging they need.
Loading speed and loading capacity can be adjusted.



VEHICLE-SPECIFIC ADVANTAGES

- + Extremely low maintenance effort
- + Product platform for the entire »BISON« range
- + Modular battery system makes the perfect match



»BISON« E 370
≤ 895 Nm | 105 kN | MTOW ≤ 100 t



»BISON« E 620
≤ 895 Nm | 205 kN | MTOW ≤ 250 t



»BISON« FAMILY GET IN TOUCH WITH US!

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TECHNICAL DATA SHEETS



»BISON« D 370



»BISON« E 370



»BISON« D 620



»BISON« E 620



»BISON« D 1000



»BISON« D 1500