

Goldhofer



»SHERPA« FAMILY
MODULAR DESIGN FOR
CARGO TOWING AND
PUSHBACK

CARGO AND PUSHBACK TOW TRACTORS



MADE FOR YOUR MISSION

»SHERPA« FAMILY GO THE EXTRA MILE. TOW THE EXTRA WEIGHT. DRIVE ANOTHER SHIFT.



The »SHERPA« family of tow tractors offers high performance, low downtimes, and maximum availability. Engineered with modularity in mind. Highly standardized parts along with well thought out options and variants.

Long maintenance intervals help you saving money while keeping in motion.



4



MODULAR PLATFORM

8



MAXIMUM PERFORMANCE

10



VALUE FOR YOUR MONEY



MODULAR PLATFORM OVERVIEW

Customize your »SHERPA« tractors to fit your individual needs!

»SHERPA« D offers powerful and reliable support for a broad range of tasks on the apron. The eco-friendly »SHERPA« E can also be operated indoors with the same high levels of comfort and safety.

- + Compact design and cabin variants: closed cab, open cab and cabless
- + Diesel engines from 48-100hp and an electric motor with 848 ft lb customizable to your needs
- + Same size – different weights: perfect towing capacity with maximum maneuverability





8,000 lbs

11,000 lbs

13,000 lbs

15,500 lbs

18,000 lbs

BALLAST WEIGHT



CABLESS



OPEN CAB



CLOSED CAB

»SHERPA« CABIN



61,700 lbs

48 hp

»SHERPA« D

»SHERPA« E

47 hp

110,000 lbs



121,000 lbs

75 hp

94 hp

176,000 lbs



176,000 lbs

100 hp



MULTI-PURPOSE PUSHBACK FOR BUSINESS JET

For small airports that specialize in handling private jets, it is important to be able to perform as many functions as possible – safely and reliably. For this reason, we have designed the Sherpa to operate as your all-in-one work-horse.

»SHERPA«, in addition to its application as a cargo tow tractor, can also be used for handling aircraft up to 110,000 lbs.



 ≤ 88,000 lbs 75 hp »SHERPA« D | 13,000-18,000 lbs

 ≤ 110,000 lbs 100 hp

 ≤ 110,000 lbs ≤ 94 hp »SHERPA« E | 18,000 lbs







MAXIMUM PERFORMANCE COUNT ON »SHERPA«

»SHERPA« offers the best overall performance in cargo handling. The new tractor scores especially high in four categories:

- + Towed load
- + Maneuverability
- + Reliability
- + Ergonomics & safety



TOWED LOAD

- + Different vehicle weights for up to 176,000 lbs towed load
- + Up to 110,000 lbs towed load even on a 3 % slope
- + Different drivetrains and powers for speeds up to 18.6 mph

MANEUVERABILITY

- + Proven front-axle design allows excellent maneuverability with optimized axle suspension
- + Small turning radius of 155"

RELIABILITY

- + Robust and enduring components from high quality manufacturers
- + Large tank/battery for 2 shift operation
- + Intermediate charging for multi-shift operation
- + Minimum maintenance effort

ERGONOMICS & SAFETY

- + Compact design and well arranged cockpit for intuitive and ergonomic operation
- + Low and wide cabin access, ergonomic seating position with optimum overview for high comfort
- + Dual circuit brake system and independent parking brake circuit ensure maximum safety





VALUE FOR YOUR MONEY

THE »SHERPA« D



UP TO 1,000 h
MAINTENANCE
INTERVAL



CABIN OPTIONS
FOR FLEXIBLE
CONFIGURATION



MAINTENANCE
FREE
COMPONENTS



48 hp
Max towed load \leq 61,700 lbs



DIAGNOSIS AND MAINTENANCE

- + Parking brake designed as a springloaded disc brake on the axle input
- + Faults indicated in the multi-function display as plain text
- + Separate transmission flap at the cabin footwell for easy access to filters, transmission oil dip stick and filler neck
- + Time-effective work processes



MAINTENANCE FREE COMPONENTS

- + Disk Brakes on the front and rear axle require no (re-) adjustments
- + Optimized hydraulic system with reliable gear pumps for long life use
- + Cardian shaft - no grasing 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 »SHERPA«
- + High suspension comfort
- + Reduced maintenance effort through use of rubber bushing
- + No lubrication required
- + 3 different types of cabin design: cabless, open cab, closed cab



75 hp*

Max towed load ≤ 121,000 lbs
EU STAGE V

100 hp*

Max towed load ≤ 176,000 lbs
EU STAGE V

»SHERPA« D





GOLDHOFER »IONMASTER« TECHNOLOGY THE »SHERPA« E



ADJUSTABLE
BATTERY
CAPACITY



CABIN OPTIONS
FOR FLEXIBLE
CONFIGURATION



MAINTENANCE
FREE
COMPONENTS



8,000 lbs
Max. drawbar pull
≤ 6 lbs

»IONMASTER« TECHNOLOGY

- + Integrated Battery management including intelligent thermal management system
- + 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



FAST CHARGING 400 V UP TO 107 hp

- + Standard AC/DC Charging station
- + Intermediate wallboxes allow you to charge several »SHERPA« E the same time
- + Intelligent wallboxes recognize how many »SHERPA« E are connected and how much charging they need. Charging speed and charging capacity can be adjusted



VEHICLE-SPECIFIC ADVANTAGES

- + All Standard Plugs available: CCS Type 1, CCS Type 2 and GB/T
- + Three cabin designs: cabless, open cab, closed cab
- + Functions under all temperature conditions for any climate conditions from -13 °F to +10 °F
- + Offers a 360° view for the operators



11,000 lbs
Max. drawbar pull
≤ 7 lbs



13,000 lbs
Max. drawbar pull
≤ 8 lbs



15,500 lbs
Max. drawbar pull
≤ 9 lbs



18,000 lbs
Max. drawbar pull
≤ 9 lbs



»SHERPA« E
≤ 848 ft lb*



»SHERPA« FAMILY ONE VEHICLE FOR CARGO AND PUSHBACK!







»SHERPA« FAMILY GET IN TOUCH WITH US!

GOLDHOFER AIRPORT TECHNOLOGY

Location: Donaustrasse 95, 87700 Memmingen/Germany
Location: Parkstrasse 19-21, 73760 Ostfildern/Germany
Web: www.goldhofer.com, E-Mail: info@goldhofer.com

FLITELINE, LLC

Location: 7401 Riviera Boulevard, Miramar, FL 33023, USA
Telephone: +1 954 433 5617, Fax: +1 954 433 5445
Web: www.flitelineusa.com, E-Mail: info@flitelineusa.com

SALES

Telephone: +49 8331 15-343
E-Mail: sales-airporttechnology@goldhofer.com

SERVICES AND SPARE PARTS

Telephone: +49 8331 962 99 99, Fax: +49 8331 15-247
E-Mail: service-airporttechnology@goldhofer.com

TECHNICAL DATA SHEETS



»SHERPA« D



»SHERPA« E