



Goldhofer

**»SHERPA« FAMILY
MODULAR DESIGN FOR
CARGO TOWING AND
PUSHBACK**

CARGO AND PUSHBACK TOW TRACTORS



MADE FOR YOUR MISSION

»SHERPA« FAMILY COMPACT POWERHOUSES FOR SUSTAINED USE.



The »SHERPA« family offers the ultimate efficiency. The product line was developed with modular design in mind: Standardized parts with sophisticated options for customized vehicle designs.

Long maintenance intervals save money and ensure operational readiness.



4



MODULAR PLATFORM

8



MAXIMUM PERFORMANCE

10



INDIVIDUAL VALUE



MODULAR PLATFORM OVERVIEW

»SHERPA« D and »SHERPA« E provide powerful and reliable support for a wide range of tasks on the Airport apron.

While the »SHERPA« E offers the same comfort, safety, and performance benefits as diesel vehicles, it can be operated as an environmentally friendly alternative, and even indoors.

- + **Compact design and cabin variants:**
cabless, open cab and closed cab
- + **Geared to your needs:**
Whether with diesel engine or e-power train
and modular battery system
- + **Same vehicle – different weights:**
Optimal traction and pulling force thanks to
ballast weights of 4-8 t,
with maximum maneuverability





4 t

5 t

6 t

7 t

8 t

BALLAST WEIGHT








CABLESS

OPEN CAB

CLOSED CAB

»SHERPA« KABINE



 28 t	36 kW	»SHERPA« D	»SHERPA« E	40 kW 1x 35 kWh battery	 60 t
 55 t	55 kW			70 kW 2x 35 kWh batteries	 80 t
 80 t	75 kW				



MULTI-PURPOSE BUSINESS JET PUSHBACK

For small airports specializing in handling private jets, flexible equipment is crucial – it must be safe and reliable in all functions.

That is why we developed the »SHERPA« to not only be used as a cargo tractor, but also to be capable of moving aircraft up to 50 t MTOW.



≤ 40 t

55 kW

»SHERPA« D | 6-8 t



≤ 50 t

75 kW



≤ 50 t

70 kW

»SHERPA« E | 6-8 t







MAXIMUM PERFORMANCE COUNT ON »SHERPA«

»SHERPA« impresses in all aspects of cargo handling.
The tractor performs particularly well in the following categories:

- + Performance
- + Reliability
- + Safety
- + Ergonomics
- + Environmental friendliness



PERFORMANCE & ERGONOMICS

- + All »SHERPA« models offer uniform operation
- + Extremely quiet operation
- + Even on a 3% incline, loads of up to 50 t can be handled with ease
- + The different drive trains allow speeds of up to 30 km/h

SAFETY

- + The tried-and-tested front axle with optimized suspension enables excellent maneuverability
- + A dual circuit braking system and a separate parking brake ensure maximum safety
- + Sophisticated cockpit with simple operation and ergonomic seat position

RELIABILITY

- + Robust, long-lasting components made by quality manufacturers
- + Minimal maintenance for long-term operational availability





INDIVIDUAL VALUE THE »SHERPA« D



UP TO 1,000 h
MAINTENANCE
INTERVAL



CABIN OPTIONS
FOR FLEXIBLE
CONFIGURATION



MAINTENANCE
FREE
COMPONENTS



36 kW
Max towed load \leq 28 t
EU STAGE IIIA



DIAGNOSTICS AND MAINTENANCE

- + Information and error messages as plain text in the multifunction display
- + Parking brake as spring-loaded disc brake on the axle mount
- + Maintenance hatch in the cabin foot well for easy access to filter, transmission, oil gauge, and filler neck
- + Disc brakes on front and rear axle do not require adjustment or readjustment
- + Optimized hydraulic system with reliable gear pumps for long-term use
- + Lubrication-free drive shaft



CONCEPT FOR SUCCESS

- + In use on every continent and in all environmental conditions, from -20 °C to +50 °C
- + Three cabin designs: Cabless, open cab, closed cab
- + Small turning radius of 3.95 m



VEHICLE-SPECIFIC ADVANTAGES

- + Various engine power classes
- + Leaf spring suspension developed specially for the »SHERPA« with high suspension comfort
- + 360° view from the cabin



55 kW*

Max towed load ≤ 55 t
EU STAGE IIIA | EU STAGE V



75 kW*

Max towed load ≤ 80 t
EU STAGE IIIA | EU STAGE V



»SHERPA« D





INDIVIDUAL VALUE THE »SHERPA« E



ADJUSTABLE
BATTERY
CAPACITY



CABIN OPTIONS
FOR FLEXIBLE
CONFIGURATION



GOLDHOFER
»IONMASTER«
TECHNOLOGY



»IONMASTER« TECHNOLOGY

- + Active thermal management for cabins and all high-voltage components:
Heating and cooling for optimal temperature conditions, even during charging, for long battery life
- + Modularly expandable battery system, configurable for individual deployment requirements
- + Commercial vehicle industry tried-and-tested 400 V lithium-ion batteries for certified, maximum safety, ultimate performance, and service life
- + Electric power train, electric engine, battery, thermo module, and inverter are maintenance-free
- + Second-life applications for battery systems possible, e.g. as stationary storage systems



CHARGING AND INFRASTRUCTURE

- + All standard charging plugs available:
CCS Typ 1, CCS Typ 2, CHAdeMO and GB/T
- + Infrastructure consulting on charging points
- + Rapid DC charging and intermediate charging at up to 70 kW
- + Optional AC charging at up to 22 kW



VEHICLE-SPECIFIC ADVANTAGES

- + Three cabin designs: Cabless, open cab, closed cab
- + Small turning radius of 4.12 m
- + Can be used in all climate conditions in temperatures ranging between -20 °C and +50 °C
- + 360° view for the driver
- + High-voltage components cooled by environmentally sustainable water glycol mixture: Consistent performance, even under extreme environmental conditions



»SHERPA« E

Max towed load ≤ 60 t
40 kW | 1x 35 kWh battery
35 kN Drawbar pull

»SHERPA« E

Max towed load ≤ 80 t*
70 kW | 2x 35 kWh batteries
45 kN Drawbar pull



»SHERPA« FAMILIE ONE VEHICLE FOR CARGO AND PUSHBACK!







»SHERPA« FAMILY CONTACT US!

GOLDHOFER AIRPORT TECHNOLOGY

Location: Donaustrasse 95, 87700 Memmingen/Germany
Web: www.goldhofer.com, E-Mail: info@goldhofer.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 DATASHEETS



»SHERPA« D



»SHERPA« E