



TECHNICAL SPECIFICATIONS	GASTONE pick-up long	GASTONE pick-up short	GECO / GRIFO shuttle
Homologation	N1		
Frame	Aluminium EN AW-5754 H111		
Range	Up to 130 km. per day* (vehicle consumption certified by ECE101 test)		
Max. payload	Up to 1.250 kg.		Luggage 260/380 kg.
Seats	2		6/7 (8 - private areas)
Wheelchair	//		GECO
Tyres	145 R 13 C (165 R 13 or M+S - optional)		
Max. speed	40 km/h		
Loading bed	1.100 X 2.400 mm.	1.100 x 1.800 mm.	//
Electric motor AC, three-phase	10 kW - peak 15 kW		
Electronic control drive	Curtis inverter with vector algorithm		
Engine brake with energy recovery	Yes		
EPS (Electric power steering)	Optional		
Batteries	Lead sealed GEL/AGM – no refilling needed		
Energy accumulation	16,2 kWh (24,1 kWh – optional)	16,2 kWh	
Lithium batteries	12.8 kWh / 15.3 kWh - on request		
Quick battery replacement	In less than 5 minutes with transpallet		//
Battery charger	On board. High frequency with PFC		
Driver seat	With security sensor		
Electric heater / Webasto	With thermostat / optional		
Towbar	450 kg. homologation (3.000 kg. private area)		//
Width, mm	1.200		1.200/1.360
Lenght, mm	3.890	3.230	4.000/3.982
Height, mm	1.940		2.270
Warranty	24 months, 10 years on the chassis		

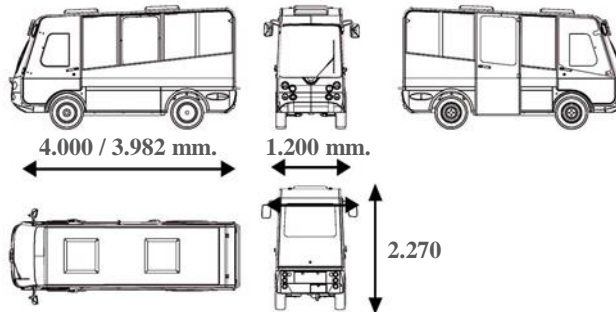
Our company, located in Milan – Italy (since 1985) designs and produces totally electrical, short-range commercial vehicles for the transportation of goods and people. They are zero-emissions and low noise vehicles and allow savings in maintenance costs.

We produce:

- **GECO & GRIFO SHUTTLES**, for transportation of up to 7 people, driver included, wheelchair is possible;
- **GASTONE PICK-UP**, for transportation of goods, available in long and short versions with more than 20 configurations;
- **GAGLIOFFO**, for use in private areas, includes a special configuration for disabled persons transportation, for railways.

**OUR “PLUS”:**

- ✓ **Entirely Made in Italy**
- ✓ **N1 EU homologation**
- ✓ **Aluminium frame**
- ✓ **Big payload:**  
for **GECO**: driver + passengers + luggage 260 kg. (573 lb);  
for **GRIFO**: driver + passengers + luggage 380 kg. (838 lb.)
- ✓ **Long range:** up to 130 Km./day\* (80 miles), certified ECE101.



Payload: up to 1250 kg



Range: up to 130 km  
Certified by ECE101 test



Homologation N1



The Italian project  
All Made in Italy, our vehicles are environmentally friendly and 100% ecologic.

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**ESAGONO  
ENERGIA**



# GECO & GRIFO

Shuttle 6 persons  
Shuttle 7 persons  
Shuttle 4 persons + wheel chair



## STANDARD EQUIPMENT

### Structure

- Frame in aluminium, 10 years guaranteed.
- Shockproof chassis structure.
- Materials recyclable over 97%, according to European Directive 2005/64/CE.

### Electric features

- Energy recovery.
- Rear-wheel drive.
- 10 kW high efficiency AC three-phase motor (15kW peak).
- Curtis motor controller.
- Nominal voltage 72V.
- Battery in GEL/AGM 72V refilling free and fast replacement. Lithium battery is available.
- Onboard automatic battery charger.

### Mechanical parts

- Rack and pinion steering.
- Front wheels: suspensions - independent wheel - Mac Pherson with helical springs and hydraulic shock absorber.
- Rear-wheels: leaf-spring with hydraulic shock-absorber.
- Brakes system: front - dual circuit disks brakes with brakeforce distribution, rear - drum brakes.
- Battery compartment protected from atmospheric agents.
- Electric, electronic and mechanical components protected against ice, salt and impacts.
- Tyres 145 R 13 (165 R 13 or M+S are available).

### Comfort and Security

- Roomy and ergonomic cabin.
- Padded adjustable seats with headrests.
- Three-point safety belts.
- Adjustable steering wheel.
- Double-speed electric wiper.
- Display with indications of speed, battery status, hour-counter and anomalies.
- Electric heater with thermostat.
- Driver seat with security sensor.
- Additional socket 12V.

### Performance

- Range: up to 130 km\* certified ECE101.
- Max speed: 40 Km/h.
- Mileage cost: 1,50 € / 100 km (depending on the energy supplier).
- Max slope: 15% full loaded (19% - option).

### Homologation

- EU N1 Truck (driving licence class B).

\*Depending on battery used. The real distance per charge of the battery depends on several factors including the total load transported, the average speed, path, driving behavior, the ambient temperature, the power consumption of any configuration, etc.



## GECO AND GRIFO FEATURES

The electric shuttles of Esagono Energia – GECO and GRIFO - are unique in their category, ideal to carry up to 7 people with their luggage (or 4 + wheel-chair option on GECO). It has the European homologation N1 that provides advanced standards of quality and safety, allowing the circulation on public roads, and access to incentives where available.

Customized colors are available - for advertising purposes.

Batteries without maintenance (Lead sealed GEL/AGM - no refilling needed) and collision-proof aluminium frame structure, 10 years guaranteed.

Our shuttles are versatile and functional vehicles that offer new solutions to sustainable mobility within the restricted traffic zones, urban centers, logistics centers, green areas.

### GECO ELECTRIC SHUTTLE

Transportation capacity	6 people
Transportation capacity disable	4 + 1 wheel-chair
Loading capacity (luggage)	260 Kg.
Length	4.000 mm.
Width	1.200 mm.
Height	2.270 mm.
Axle spacing	2.070 mm.
Weight (full mass in running order)	2.000 Kg.

### GRIFO ELECTRIC SHUTTLE

Transportation capacity	7 people (8 - in private areas)
Loading capacity (luggage)	380 Kg.
Length	3.982 mm.
Width	1.360 mm.
Height	2.270 mm.
Axle spacing	2.070 mm.
Weight (full mass in running order)	2.000 Kg.

