

DIMENSIONS	A	B	C	D*	D'	E	F	G	H	I	J	K	L	M	N	P	T
mm	3,600	1,574	1,305	1,200	1,305	1,893	423	897	288	175	2,022	1,045	1,045	,089	489	697	282

TECHNICAL CHARACTERISTICS

HOMOLOGATION | SEATS

Homologation	N1 / L7e	ELECTRIC POWERTRAIN	Motor	AC Induction
Seats	2	Type	TSA200-120-250	

PERFORMANCES

Maximum speed	50 km/h	Motor voltage	29 V AC
Noise moving (R (EU) 51)	63.7 dB(A)	Max peak power	16.3 kW
Maximum gradient empty	30 %	Nominal power (S2-30 minutes)	10 kW
Maximum gradient loaded loaded with trailer	15 % 12 %	Torque @ max peak power	76 Nm
		Max torque @ 0 rpm	81 Nm

MASSES

Baseweight (wheelbase + doors + towing hook bracket + battery bracket)	582 kg	BRAKES	Main brake type	Dual circuit in X
Maximum permissible mass**	2,100 kg	Emergency brake type	Hydraulic diagonal action	
Maximum weight of the combination (GCW)	3,500 kg (N1) 2,385 kg (L7e)	Front brake disc	Ø 247 mm	
Tow load capacity for road approved trailers (with brakes)	1,400 kg (N1) 291 kg (L7e)	Front brake caliper	Ø 48 mm	
Tow load capacity for road approved trailers (without brakes)	750 kg (N1) 291 kg (L7e)	Rear drum brake	230 mm	
		Parking brake	Hand actuated	

DIMENSIONS

Overall length	3,600 mm	SUSPENSIONS	Front suspension type	McPherson
Overall width	1,200 mm (N1) 1,305 mm (L7e)	Travel	163 mm	
Overall height	1,893 mm	Rear suspension type	Composite blades	
Wheel base	2,022 mm	Travel	96 mm	
Front / Rear track	1,045 mm	WHEELS AND TYRES	Tyre type	Tubeless
Front overhang Rear overhang	1,089 mm 489 mm	Tyre size	155R13C 90Q	
Front clearance angle	20°	Rim	4Jx13 4/115/85 ET10	
External turning radius (wall to wall) External turning radius (kerb to kerb)	4,383 mm 3,900 mm	Recommended pressure empty full load	2.5 bar 4.5 bar	
		Tyre rating (turf or street rated)	Street road	
		Rim material	Stamped steel	

TRANSMISSION

Type Gear ratio	Rigid axle and differential 14.87 : 1.0
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CONTROLLER

Type Nominal battery voltage	Curtis 36-48 V
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BATTERIES

Capacity	LEAD ACID, 24 X 2V TRACTION CELLS			LITHIUM LIFEPO4		
	180Ah/C5 - 8,6 kWh	240Ah/C5 - 11,5 kWh	320Ah/C5 - 15,4 kWh	7 kWh	9 kWh	14 kWh
Voltage	48 V	48 V	48 V	48 V	51,2 V	51,2 V
Battery weight	326 kg	419 kg	493 kg	94 kg	148 kg	192 kg
Charger	48V - 30A	48V - 30A	48V - 60A	48V - 60A	48V - 60A	48V - 60A
Charging time on household socket	8h30 @ 7A	8h30 @ 10A	9h45 @ 10A	3h00 @ 13A	4h15 @ 13A	6h30 @ 13A
Vehicle range	up to 62 km	up to 82 km	up to 92 km	up to 73 km	up to 92 km	up to 135 km

OPTIONS & ACCESSORIES

- Tow hitch with trailer plug
- Car radio MP3 / Bluetooth
- Forward/Rear or Rear motion buzzer
- Reflective stripes | class 2
- Roof bar with adaptable options
- (cannot be combined) : 2 beacon lights + trilateral hazard warning triangle - additional height 500 mm (open) 110 mm (closed) / beacon light / work light
- Diesel heating unit | 900 - 2 000 W |
- 15 L tank
- Reversible air-conditioning unit | 1 800 W
- Lateral storage units | capacity 60 L
- Electric heater | 1 300 W
- Electric power steering
- Cab storage set (x3)
- Right and left side guards
- USB plug x2 | 3.15 A
- Door protections



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*D-N1 approval. D' : L7e-CU approval. **This weight can be reduced to 1 800kg depending on the battery. Any information or other data provided in this document is non-binding and subject to modification at any time.



GOUPIL-G4

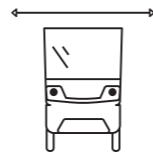
100 % ELECTRIC UTILITY VEHICLE



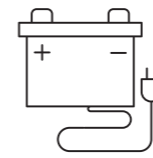
GOUPIL-G4



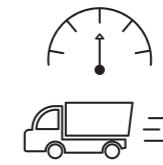
PAYLOAD
over 1,200 kg



ULTRA-COMPACT
1.20 m wide



100 % ELECTRIC
Lithium



MAX. SPEED
50 km/h



INNOVATIVE

The new standard for electric compact utility vehicle

The Goupil G4 incorporates the features that made the G3 so successful (size, robustness and ergonomics...) offering the **highest comfort and performance**. All components of the vehicle have been entirely redesigned to a **quality level exceeding the standards of the market**. The **steel frame chassis** provides resistance to deformation and unrivalled modularity, the running gear ensures comfort and a perfect stability including at maximum load; steering and brakes have also been redesigned to instantly and smoothly respond to the driver's commands. **Goupil G4 offers a unique driving experience** for a utility vehicle of this category.



VERSATILE

Equipment specific to each trade

Like the models that made Goupil so successful, G4 incorporates the modular chassis concept and offers **unrivalled versatility**. The G4 is **adaptable to your business** offering of customised equipment for garbage or organic waste collection, maintenance of parks and gardens, building maintenance, delivery...

With a payload above 1,200 kg and an autonomy on real use up to 100 km, G4 will meet the requirements of the most demanding applications.



PAYLOAD

Capacities exceeding the standards

With its payload up to 1,200 kg*, the Goupil G4 far exceeds the standards of the market and offers a unique load capacity.

*Depending of 7kWh battery and equipment

STOP & GO

Electric ideally adapted to the "Stop & Go" applications. **The G4 goes further, ergonomically designed for collection or delivery business:** seat height, load threshold, cabin access and rear equipment.



COMPACT SIZE

Goupil G4 is a utility vehicle compact for professionals. Resolutely modern, with its **large glass area** (rear and footpath view) and a very **compact size**, the G4 is the evolving utility vehicle.

Quiet and safe drive in town centre or on closed sites (resorts, industrial sites...)

ENERGY

The G4 can house several battery capacities to best match your energy needs. **There is a choice of 3 packs of industrial towing battery (8.6 kWh, 11.5 kWh, 15.4 kWh) and 3 packs with Lithium Iron Phosphate technology (7 kWh, 9 kWh, 14 kWh)**. G4 will get charged whichever the technology chosen. On a standard power point (16A, 220V) - Lithium will provide more flexibility and the possibility to recharge in part.



EQUIPMENT COACHBUILDER

Goupil also is coachbuilder of their equipment. This ensures a **perfect integration** of the different vehicle configurations. **All equipment is electric** (no additional heat engine for their operation) and optimised in terms of consumption, weight and noise levels.

OTHER EQUIPMENT:
TRI FLASH AK 5

The AK 5 is available as an option on all configurations



Strengths

- **AUTONOMY**
100 km of autonomy based on real use with the battery pack of 14 kWh lithium.
- **ERGONOMY**
Height Load Threshold 81cm. Easy access to the driver's cabin, ideal in "Stop & Go" applications.
- **SAFETY**
Driver's Safety: 3-point seatbelt, pedestrian presence and safety sensor: speed limit on command and presence detector alarm.
- **ECONOMIC**
Reduced service and energy consumption costs (€2 for a full charge).
- **COMFORTABLE**
Cabin fitted with full standard equipment.
- **MODULARITY**
G4 offers a wide range of equipment adapted to your needs and interchangeable in mixed configuration.
- **ROBUST**
G4 benefits from the Goupil expertise on electric vehicles combined with the Polaris expertise on drive axles.
- **INNOVATIVE**
G4 incorporates the G3 key advantages and bringing crucial innovations on the key elements of the vehicle (steering, braking system, modular chassis, cabin comfort...).
- **CERTIFICATION AND MANUFACTURING**
Goupil G4 is N1 certified and can be eligible to green bonus where applicable. The Goupil G4 was designed and is assembled in France.
- **LONG VERSION**
To satisfy all demands, the G4 is now available in a long version: about 55 cm longer than its classic version.

Services and options

- **OPTIMISE YOUR COSTS AND ADAPT YOUR CONTRACTS BASED ON YOUR REQUIREMENTS**
Goupil offers long-term rental or leasing contracts and maintenance contracts (Full service) up to 5 years.

TESTIMONY

With the Goupil G4 we wanted to start from scratch with the aim of designing a versatile electric utility vehicle with a speed up to 50 km/h, transport over one ton of load and offer an autonomy exceeding 100km. Based on 15 years of G3 history and working closely with our key customers, we have redesigned the critical components of the vehicle: chassis, cabin, suspension, cable bundle... Throughout the development process we performed intensive passing tests on test tracks and accelerated ageing tests on deformation benches to ensure the delivery a reliable and robust vehicle to our customers.

Sylvain De Oliveira
Chief Engineer Goupil

Some examples of CONFIGURATIONS



A wheelbase, a wide range of fitting are available



Box van



Watering
Pressure washer



Tipper or Pick-up



Refrigerated van



Waste collection

COMBINED CONFIGURATIONS

Cleaning, vacuuming, storing: 100 % flexibility

Mixed configurations comprised of the tilting deck or collection skip allow to **quickly adapt and fit the vehicle** with high pressure cleaner or leaf vacuum sweeper or even with a storage box.



ZOOM ON

THE CABINE

The 1.2 m wide new cabin offers **unique space and visibility** for a utility vehicle of this category. The overall ergonomics and the control positioning have been designed so that the driver can take to the road safely. Backlit buttons within easy hand's reach. The LCD screen offers a perfect visual comfort and instant control of the key data of the vehicle. The G4 cabin also offers **additional storage space** between the seats and behind the backrests.

