

# Goupil G2

## Electric Utility Vehicles

100% Electric

Zero Emissions

Road Legal





# Goupil G2-L7e

Road legal, L7e homologated utility vehicle  
the ideal solution for working on multiple  
sites where linked by public highway.





## Overview

The G2 utility vehicle is the latest addition to the Goupil family. Road homologated to L7e the G2 is the ideal solution for working on multiple sites where linked by public highway.

## Cost effective solution

The G2 is a cost effective solution for landscape, maintenance and waste management within leisure, parks, and campuses. The van body options is ideally suited for last-mile food and parcel deliveries as well as facilities management both on and off site.

## All-Electric

Designed and built from the ground up as an electric vehicle the G2 is available with three battery options producing zero emissions.

The lithium battery options significantly increases the range and payload, give flexible re-charging and reduced maintenance over the life of the vehicle

## Performance

Compact and manoeuvrable with a maximum payload capacity of 596 kg, autonomy up to 62 miles and road speed of 18mph makes the G2 a viable option across many applications.

## Flexible

Available with 3 standard body options, pick-up, cage body and box van and choice of battery configuration offers versatility when configuring a G2 to match specific applications.

## Ride & handling

The chassis features McPherson with helical springs and hydraulic shock absorber to the front and rear producing outstanding ride comfort. The G2's rack and pinion steering delivers effortless handling.

## Robust

The robust chassis is made with S355 steel with anti-corrosion protection, and a lightweight aluminium cab with windscreen and rear window can comfortably accommodate two adults.

## Warranty

Truck: 2 years parts and labour warranty

Battery

Lead Acid: 2 + 2 years parts and labour warranty

Lithium Ion: 2 + 3 years parts and labour warranty

100%  
Electric

0%  
Emissions

Li  
Lithium  
Battery

la  
Lead Acid  
Battery

Range  
27-62 miles

kg  
596  
Payload  
up to

L7e  
Type Approval



Left hand  
drive



# Goupil G2-02

## Pick-Up

### Features

#### Pick-Up

- Aluminium dropdown and detachable sides and rear tailgate
- Resin coated anti-slip plywood deck

#### Aluminium Cab

- Light weight aluminium cab with Electric heated front windscreen and rear window
- Sliding door windows
- Two-speed front wiper and screen wash

#### 355 Steel Chassis

- S355 steel with anti-corrosion protection

#### Tow Hitch (Optional)

- Tow hitch and trailer socket

#### Full Road Lighting

- In accordance with L7e
- Headlights
- Side lights
- Rear and brake light
- Indicators
- Hazard warning lights
- Reverse light
- Rear fog light
- LED running lights

#### Battery

- 100% Electric
- Zero Emission
- Lead Acid or Lithium

#### Suspension

- Front-wheels: McPherson with helical springs and hydraulic shock absorber
- Rear-wheels: leaf-spring with hydraulic shock absorber

#### Braking

- Electronic regenerative braking
- Dual circuit hydraulic brake system with a braking compensator controlled by the load
- Front: disk brakes
- Rear: drum brakes



# Dimensions and Performance

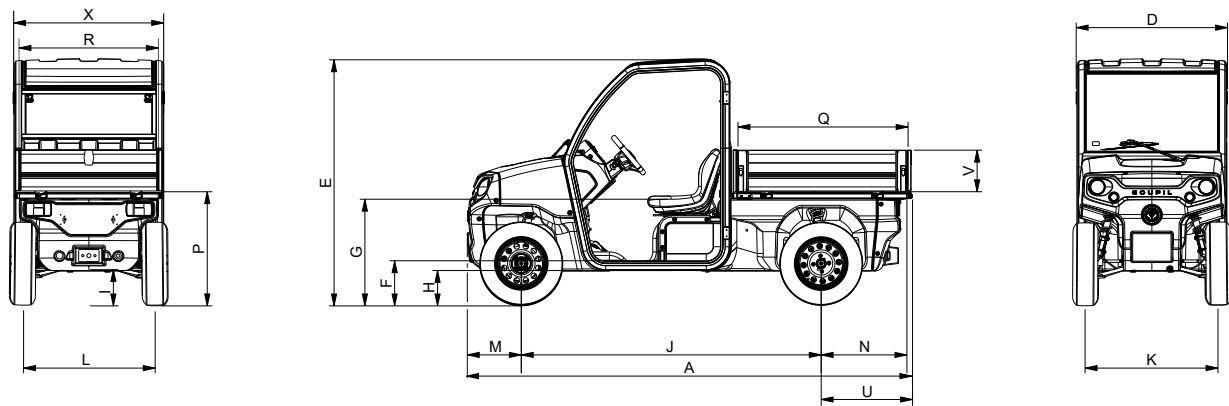
Battery				
Battery Type		Lead Acid	Lithium	
Battery Size	(kWh)	5.8	5.2	8.6
Homologation		L7e	L7e	L7e

Weights				
GVM   Gross Vehicle Weight	(kg)	1100	1100	1100
Kerb weight	(kg)	623	504	535
Payload capacity (Excluding driver)	(kg)	478	596	565
Tow load capacity - road / site use, braked / unbraked <sup>1</sup>	(kg)	233	233	233

Batteries and Charger				
Battery voltage / nominal capacity	(v) / (a)	48 / 120	51.2 / 100	51.2 / 165
Recharge time	(hours)	6h	6h 30	11h
Charger	(v) / (a)	48 / 21	48 / 21	48 / 21
Supply		240v single phase	240v single phase	240v single phase
Current draw	(a)	12	12	12
Auxiliary battery	(v) / (a)	12 / 45	12 / 45	12 / 45

Performance				
Maximum torque	(Nm)	60	60	60
Nominal power	(kW)	5.1	5.1	5.1
Range (according to WLTP cycle)	(miles)	27	37	62
Two factory speed settings: High speed / Low speed	(mph)	18 / 6.5	18 / 6.5	18 / 6.5
Maximum gradient - unladen / laden	(%)	25 / 15	25 / 15	25 / 15
Maximum gradient - with trailer	(%)	12	12	12
Approach angle	(°)	25	25	25
External turning radius wall to wall	(mm)	4700	4700	4700
External turning radius kerb to kerb	(mm)	4650	4650	4650

<sup>1</sup> Tow hitch available as an optional extra



Dimensions (mm)																	
A	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	U	V	X
3280	1105	1785	275	784	212	266	2215	975	985	370	575	835	1308	1074	675	304	1083



# Standard Equipment & Options

	MODEL	G2-02
Configuration	100% electric	•
	Light commercial utility vehicle	•
	Road homologated	L7e
	Power unit: 48 volt AC controller	•
	Rear drive axle with limited slip differential	•
Speed	Maximum speed	18 mph
	High / low speed switch, 2 factory set speed settings between 6.5 and 18mph	•
Batteries & Accessories	5.8 kWh 48v 120Ah lead acid battery 21amp high frequency charger 6 hour recharge Supply: 240v single phase Current draw: 12 amp input	○
	5.2 kWh 51.2v 100Ah lithium ion battery 21amp high frequency charger 6.5 hour recharge Supply: 240v single phase Current draw: 12 amp input	○
	8.6 kWh 51.2v 165Ah lithium ion battery 21amp high frequency charger 11 hour recharge Supply: 240v single phase Current draw: 12 amp input	○
	Auxiliary 45Ah battery to run 12 volt system. Battery charged during operation via DC/DC converter	•
Braking Systems	Dual circuit hydraulic brake system	•
	Front: disk brakes	•
	Rear: drum brakes	•
	Electronic regenerative braking under deceleration with proportioning electric braking system	•
	Hand operated park brake with torque limiting sensor	•
Suspension & Steering	Front-wheels: McPherson with helical springs and hydraulic shock absorber	•
	Rear-wheels: McPherson with helical springs and hydraulic shock absorber	•
	Rack and pinion steering	•
	Left hand drive	•
Lighting & Accessories	Full road lighting in accordance with both L7e and N1 homologation <ul style="list-style-type: none"> <li>• Headlights</li> <li>• Side lights</li> <li>• Rear and brake light</li> <li>• Indicators</li> <li>• Hazard warning lights</li> <li>• Reverse light</li> <li>• Rear fog light</li> <li>• LED daytime running lights</li> </ul>	•
	Amber flashing beacon mounted on cab	•
	LED random flashing amber warning lights	○
	Rear mounted 12 volt working light	○
Controls & Audible Warnings	Safety seat cut out. Vehicle will not operate unless driver is seated	•
	Emergency isolator	•
	Horn	•
	Automatic audible warning in reverse	•
	Forward audible warning via dash mounted switch (bell)	○
	Automatic audible warning in forward (white noise)	○
	Progressive audible warning system in forward AVAS Acoustic Vehicle Alerting System compliant to UNECE R138	Available Sept 2019

MODEL		G2-02
Equipment & Features	Battery discharge indicator	•
	Speedometer	•
	Odometer	•
	Low level warning lights	•
	Dash mounted lamp to indicate when park brake is applied	•
	12 volt auxiliary socket	•
	Ignition key and steering lock	•
	High/low speed selector	•
Tyres	Tubeless radial 175/70R14 84H	•
	Spare wheel (175/70 R14) c/w jack & brace	○
	Winter tyres	○
	Turf Tyres (not for road use)	○
	Michelin tyre pressure management system	○
Tow Hitch	50mm ball with 7 pin socket	○
	Combined 25mm pin single jaw tow hitch & 50mm ball with 7 pin socket	○
Cab	Polypropylene bumpers	•
	Rear cab window	•
	Sliding door windows	•
	ABS glass front and rear screens	•
	Electric front wiper and screen wash	•
	Electric heated front windscreen	•
	Electric heater (900 watt)	○
	Exterior mirrors	•
	Interior LED light	•
	Integrated Bluetooth speakers	○
	USB socket	•
	Rear mounted camera with display screen	○
Seating	Adjustable driver and passenger seats	•
	Padded adjustable headrests	•
	Three-point inertia seat belts	•
Body	Pick-Up	•
	Aluminium dropsides and rear tailgate	•
	Resin coated anti-slip plywood deck	•
	Cage body to fit pick-up sides	○
	Front upper cage with tool carrier	○
Misc	1kg dry powder fire extinguisher	○
	Road registered for either category L7e	○
Colour	Chassis: Black, S345 steel, cataphoresis coated, robot welded, powder coating and gap sealing	•
	Cab roof and bonnet: White	•
	Custom colour. Chassis black. Cab roof and bonnet to customer's single colour specification. RAL number to be supplied at time of order	○
	Custom colour. Chassis black. Vinyl wrap cab roof and bonnet to customer's specification	○
	Class 2 hi-visibility reflective band kit	○

# Goupil G2-06

## Box Van

### Features

#### Box Van

- 1.25m<sup>3</sup> van body
- Aluminium frame, dry freight panels with anti-slip floor
- Automatic LED light inside van body
- Lockable shutter door to nearside only
- Available option shutter door to offside and rear

#### Aluminium Cab

- Light weight aluminium cab with Electric heated front windscreen and rear window
- Sliding door windows
- Two-speed front wiper and screen wash

#### 355 Steel Chassis

- S355 steel with anti-corrosion protection

#### Tow Hitch (Optional)

- Tow hitch and trailer socket

#### Full Road Lighting

- In accordance with L7e
- Headlights
- Side lights
- Rear and brake light
- Indicators
- Hazard warning lights
- Reverse light
- Rear fog light
- LED running lights

#### Battery

- 100% Electric
- Zero Emission
- Lead Acid or Lithium

#### Suspension

- Front-wheels: McPherson with helical springs and hydraulic shock absorber
- Rear-wheels: leaf-spring with hydraulic shock absorber

#### Braking

- Electronic regenerative braking
- Dual circuit hydraulic brake system with a braking compensator controlled by the load
- Front: disk brakes
- Rear: drum brakes





# Dimensions and Performance

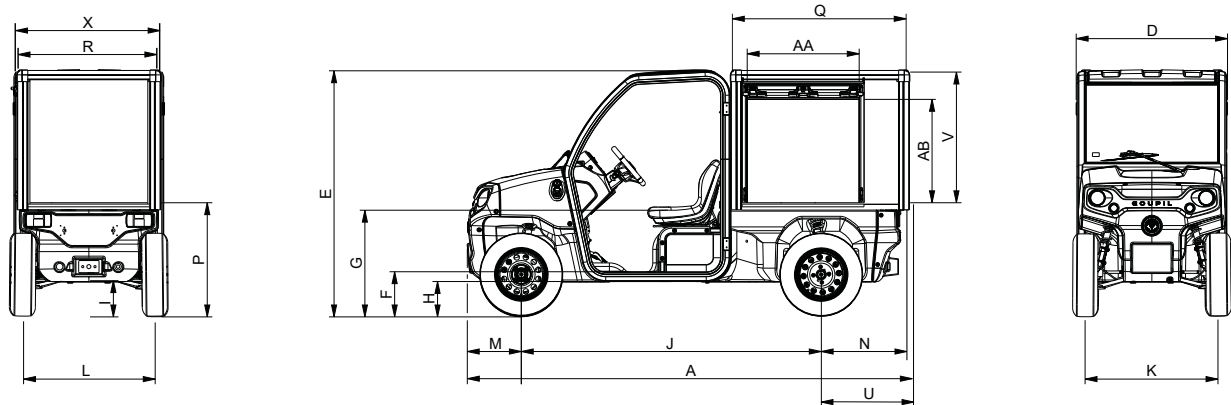
Battery				
Battery Type		Lead Acid	Lithium	
Battery Size	(kWh)	5.8	5.2	8.6
Homologation		L7e	L7e	L7e

Weights				
GVM   Gross Vehicle Weight	(kg)	1100	1100	1100
Kerb weight	(kg)	685	567	598
Payload capacity (Excluding driver)	(kg)	415	533	502
Tow load capacity - road / site use, braked / unbraked <sup>1</sup>	(kg)	233	233	233

Batteries and Charger				
Battery voltage / nominal capacity	(v) / (a)	48 / 120	51.2 / 100	51.2 / 165
Recharge time	(hours)	6h	6h 30	11h
Charger	(v) / (a)	48 / 21	48 / 21	48 / 21
Supply		240v single phase	240v single phase	240v single phase
Current draw	(a)	12	12	12
Auxiliary battery	(v) / (a)	12 / 45	12 / 45	12 / 45

Performance				
Maximum torque	(Nm)	60	60	60
Nominal power	(kW)	5.1	5.1	5.1
Range (according to WLTP cycle)	(miles)	27	37	62
Two factory speed settings: High speed / Low speed	(mph)	18 / 6.5	18 / 6.5	18 / 6.5
Maximum gradient - unladen / laden	(%)	25 / 15	25 / 15	25 / 15
Maximum gradient - with trailer	(%)	12	12	12
Approach angle	(°)	25	25	25
External turning radius wall to wall	(mm)	4700	4700	4700
External turning radius kerb to kerb	(mm)	4650	4650	4650

<sup>1</sup> Tow hitch available as an optional extra



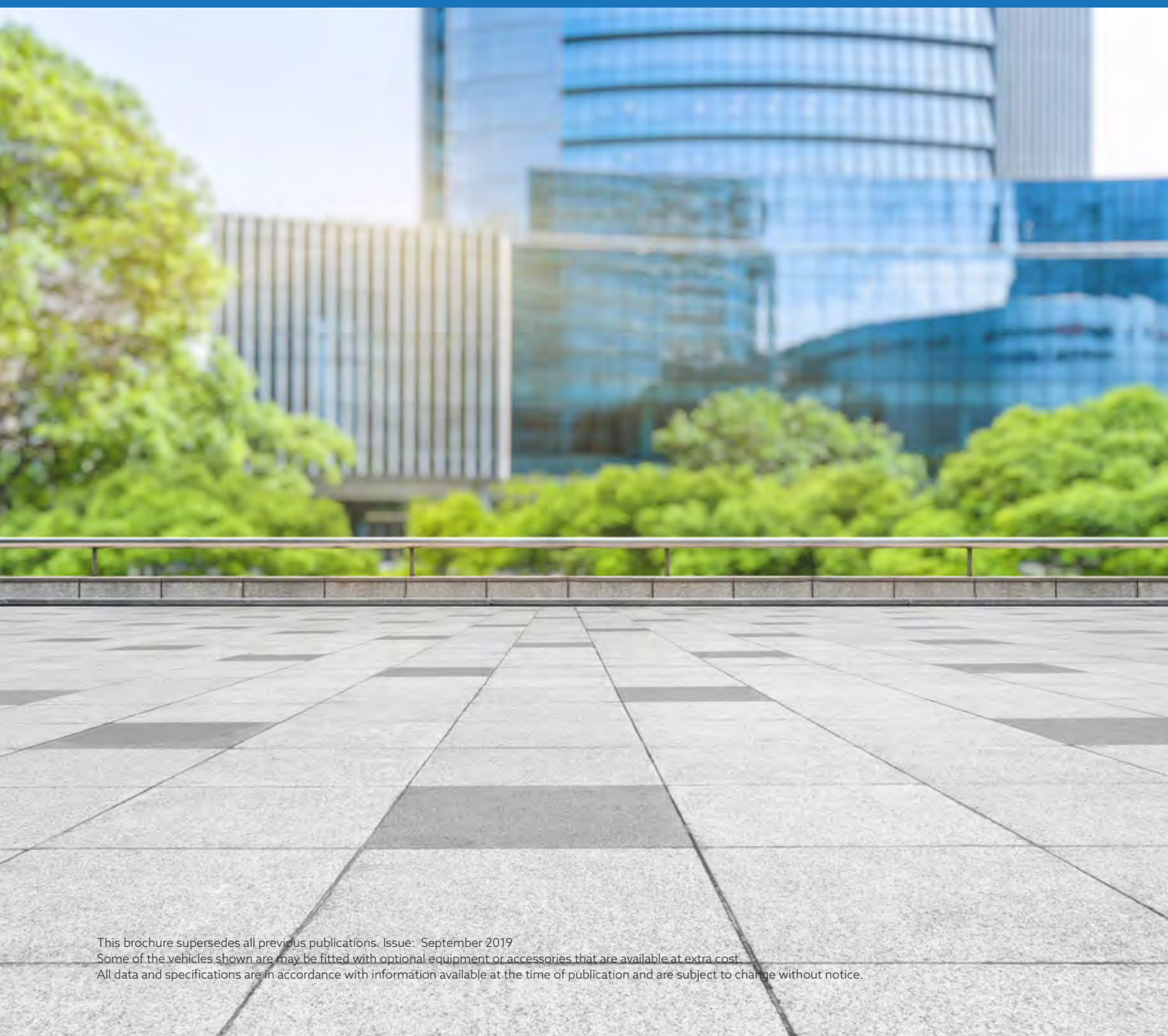
Dimensions (mm)																							
A	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	U	V	X	AA	AB	AC	AD		
3235	1105	1785	275	784	212	266	2215	975	985	370	565	793	1278	1020	665	961	1108	820	745	820	745		

# Standard Equipment & Options

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Configuration	100% electric	•
	Light commercial utility vehicle	•
	Road homologated	L7e
	Power unit: 48 volt AC controller	•
	Rear drive axle with limited slip differential	•
Speed	Maximum speed	18 mph
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Batteries & Accessories	5.8 kWh 48v 120Ah lead acid battery 21amp high frequency charger 6 hour recharge Supply: 240v single phase Current draw: 12 amp input	○
	5.2 kWh 51.2v 100Ah lithium ion battery 21amp high frequency charger 6.5 hour recharge Supply: 240v single phase Current draw: 12 amp input	○
	8.6 kWh 51.2v 165Ah lithium ion battery 21amp high frequency charger 11 hour recharge Supply: 240v single phase Current draw: 12 amp input	○
	Auxiliary 45Ah battery to run 12 volt system. Battery charged during operation via DC/DC converter	•
Braking Systems	Dual circuit hydraulic brake system	•
	Front: disk brakes	•
	Rear: drum brakes	•
	Electronic regenerative braking under deceleration with proportioning electric braking system	•
	Hand operated park brake with torque limiting sensor	•
Suspension & Steering	Front-wheels: McPherson with helical springs and hydraulic shock absorber	•
	Rear-wheels: McPherson with helical springs and hydraulic shock absorber	•
	Rack and pinion steering	•
	Left hand drive	•
Lighting & Accessories	Full road lighting in accordance with both L7e and N1 homologation <ul style="list-style-type: none"> <li>• Headlights</li> <li>• Side lights</li> <li>• Rear and brake light</li> <li>• Indicators</li> <li>• Hazard warning lights</li> <li>• Reverse light</li> <li>• Rear fog light</li> <li>• LED daytime running lights</li> </ul>	•
	Amber flashing beacon mounted on cab	•
	LED random flashing amber warning lights	○
	Rear mounted 12 volt working light	○
Controls & Audible Warnings	Safety seat cut out. Vehicle will not operate unless driver is seated	•
	Emergency isolator	•
	Horn	•
	Automatic audible warning in reverse	•
	Forward audible warning via dash mounted switch (bell)	○
	Automatic audible warning in forward (white noise)	○
	Progressive audible warning system in forward AVAS Acoustic Vehicle Alerting System compliant to UNECE R138	Available Sept 2019

	MODEL	G2-02
Equipment & Features	Battery discharge indicator	•
	Speedometer	•
	Odometer	•
	Low level warning lights	•
	Dash mounted lamp to indicate when park brake is applied	•
	12 volt auxiliary socket	•
	Ignition key and steering lock	•
	High/low speed selector	•
Tyres	Tubeless radial 175/70R14 84H	•
	Spare wheel (175/70 R14) c/w jack & brace	o
	Winter tyres	o
	Turf Tyres (not for road use)	o
	Michelin tyre pressure management system	o
Tow Hitch	50mm ball with 7 pin socket	o
	Combined 25mm pin single jaw tow hitch & 50mm ball with 7 pin socket	o
Cab	Polypropylene bumpers	•
	Rear cab window	•
	Sliding door windows	•
	ABS glass front and rear screens	•
	Electric front wiper and screen wash	•
	Electric heated front windscreen	•
	Electric heater (900 watt)	o
	Exterior mirrors	•
	Interior LED light	•
	Integrated Bluetooth speakers	o
	USB socket	•
	Rear mounted camera with display screen	o
Seating	Adjustable driver and passenger seats	•
	Padded adjustable headrests	•
	Three-point inertia seat belts	•
Body	Box Van 1.25m <sup>3</sup> body	•
	Aluminium frame, dry freight panels with anti-slip floor	•
	Lockable shutter door to nearside only	•
	Additional offside shutter door	o
	Additional rear shutter door	o
Misc	1kg dry powder fire extinguisher	o
	Road registered for either category L7e	o
Colour	Chassis: Black, S345 steel, cataphoresis coated, robot welded, powder coating and gap sealing	•
	Cab roof and bonnet: White	•
	Custom colour. Chassis black. Cab roof and bonnet to customer's single colour specification. RAL number to be supplied at time of order	o
	Custom colour. Chassis black. Vinyl wrap cab roof and bonnet to customer's specification	o
	Class 2 hi-visibility reflective band kit	o





This brochure supersedes all previous publications. Issue: September 2019

Some of the vehicles shown are may be fitted with optional equipment or accessories that are available at extra cost.

All data and specifications are in accordance with information available at the time of publication and are subject to change without notice.