

D

# D 26 WIDE 6X2 R LOW 380 E6

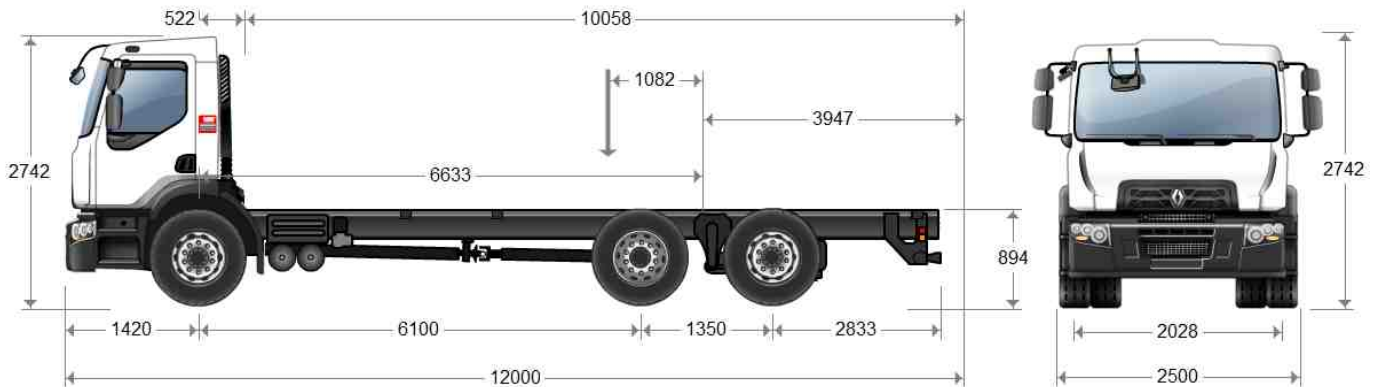
RIGID

**Model code : CST\_20DM016LOW00**

GVW 26T / GTW 40 T

DAY CAB

REAR AIR SUSPENSION (TAG AXLE)



## WEIGHTS

Wheelbase		mm	3.700	3.900	4.100	4.300	4.500	4.750	5.000	5.250	5.500	5.800	6.100	6.450
Maximum Weight (registered)	Total (GVW)	Kg	26000											0
Payload	(C)	Kg	18435	18414	18382	18334	18320	18285	18232	18145	18121	18049	18047	0
Kerb Weight	total	Kg	7565	7586	7618	7666	7680	7715	7768	7855	7879	7951	7953	0
Chassis cab kerb weight	Front axles (Liftable axle down)	Kg	4548		4557	4569	4564	4579	4583	4606	4611	4638	4664	0
	Rear axles (Liftable axle down)	Kg	3017	3038	3061	3097	3116	3136	3185	3249	3268	3313	3289	0
Maximum Weight (registered)	Front axle 1	Kg	7100											
	rear axle 1	Kg	11500											0
	rear axle 2	Kg	7500											0
	Rear axle(s)	Kg	19000											0
Maximum Weight (technical)	total (CoC: 16.1.)	Kg	26100											
	front axles (CoC: 16.2.)	Kg	7100											
	rear axles (CoC: 16.2.)	Kg	19000											

To maintain the driving comfort (lightness of steering, braking) of vehicles in all load and driving conditions once the vehicle is bodied, the following minimum front axle load(s) must be respected: 3500 kg  
The weight of the vehicle is an average indicative weight of its STANDARD build, filled with urea, oil, windscreen wash liquid and coolant at 100%, fuel level at 90% and with driver (75kg).

## LENGTHS



Wheelbase		mm	3.700	3.900	4.100	4.300	4.500	4.750	5.000	5.250	5.500	5.800	6.100	6.450
Body length	Min. (Wmin / BEP L105)	mm	6250	6593	6940	7287	7628	8065	8494	8932	9364	9894	10058	0
	Max. (Wmax / BEP L105)	mm	6748	7068	7388	7708	8028	8428	8828	9228	9628	10058		0
Front Overhang	(H / BEP L016)	mm	1420											0
Cab entry	(B / BEP L102)	mm	522											0
Wheelbase	(F / BEP L011)	mm	3700	3900	4100	4300	4500	4750	5000	5250	5500	5800	6100	0
Technical wheelbase	(F' / BEP L015)	mm	4233	4433	4633	4833	5033	5283	5533	5783	6033	6333	6633	0
Axle Spacing	Axle 2-3 (BEP L012.2)	mm	1350											
Rear overhang	Chassis	mm	1933	2083	2183	2333	2433	2583	2733	2883	3033	3133	2833	0
Overall Chassis Length	(A / BEP L032+L016)	mm	8403	8753	9053	9403	9703	10103	10503	10903	11303	11703		0
Centre of Gravity of load	Min. (Ymin / BEP L104)	mm	337	377	417	457	497	547	597	647	697	782	1082	0
	Max. (Ymax / BEP L103)	mm	586	614	641	667	697	728	764	795	829	864	1082	0
Min Overall Length (Z)	(Zmin / BEP L001)	mm	8192	8535	8882	9229	9570	10007	10436	10874	11306	11836	12000	0
Max Overall Length (Z)	(Zmax / BEP L001)	mm	8690	9010	9330	9650	9970	10370	10770	11170	11570	12000		0
Bodywork rear overhang	Min. (Xmin / BEP L017)	mm	2539	2682	2829	2977	3118	3304	3483	3671	3854	4083	3947	0
	Max. (Xmax / BEP L017)	mm	3037	3157	3277	3397	3517	3667	3817	3967	4117	4247	3947	0

HEIGHTS

Wheelbase		mm	3.700	3.900	4.100	4.300	4.500	4.750	5.000	5.250	5.500	5.800	6.100	6.450
Cab height (unladen)	(O)	mm	2742											0
Max. exterior height unladen	(BEP H001)	mm	2742											0
Side member height	(BEP H032)	mm	266											
Ground clearance, laden	Front (U1 / BEP H015)	mm	173											0
	Rear (U3 / BEP H016)	mm	180											0
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	868											
	Laden (H1 / BEP H036)	mm	858											
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	894											0
	Laden (H2 / BEP H038)	mm	875											0
Frame top height at the rear of the frame	Unladen (HN)	mm	916			915			914			911		
	Laden (HN)	mm	890			889			888		887			

WIDTHS

Wheelbase		mm	3.700	3.900	4.100	4.300	4.500	4.750	5.000	5.250	5.500	5.800	6.100	6.450
Max. cab width	(BEP W002)	mm	2500											0



Wheelbase		mm	3.700	3.900	4.100	4.300	4.500	4.750	5.000	5.250	5.500	5.800	6.100	6.450
<b>DTI 11 ENGINE</b>	Front (BEP W035)	mm	Direction of rotation: as engine											
	Rear (BEP W036)	mm	Torque: static use 650 Nm, dynamic use 200 Nm Ratio: 1.08											
Max. power output: 270 kW between 1700 and 1850 rpm Max. torque: 1800 Nm from 950 rpm to 1400 rpm	Position 1 o'clock		2500											
Common rail diesel engine - Common rail high-pressure fuel-injection (1700 bar) - over-head camshaft, rear-mounted timing	• Engine rear power take-off: Hollow shaft output DIN 5462		2341											
High pressure provided by three pumps on injector bodies	Continuous drive		2028											
Bore 123 mm - stroke 152 mm - Capacity 10.8 L	Direction of rotation: as engine		2028											
Turbocharger	Torque: static use 650 Nm, dynamic use 200 Nm		2028											
Electronically controlled (V2 / BEP W013.2)	Ratio: 1.08		2028											
Direction of rotation (Seen from G/B end): anti-clockwise	Position 1 o'clock		1837											
Engine adapted to sulphur diesel (BEP W253.2)			<b>CLUTCH</b>											
Antifreeze protection (W253.2)			2028											

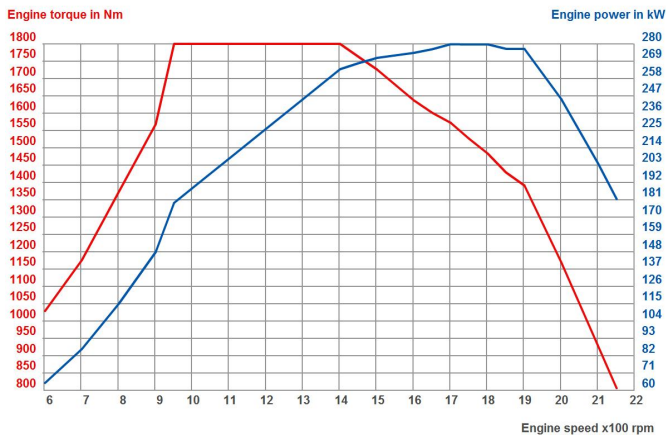
EEC EURO VI pollution control level  
Compact after-treatment system (catalytic converter, DPF, SCR)

Single-plate clutch, diameter 430 mm

Reduction in engine power of 25% when vehicle emissions are above the legislative levels.  
Soundproofing level complies with EEC standards (80dB)

Wheelbase		mm	3.700	3.900	4.100	4.300	4.500	4.750	5.000	5.250	5.500	5.800	6.100	6.450
Side member thickness	(BEP W034)	mm	12											
Turning Radius	kerb to kerb	mm	7406.	7706.	8006.	8306.	8606.	8956.	9356.	9706.	10106	10556	11006	
• Sheet metal oil supply	Overall (BEP W012)	mm	8150	8450	8750	9050	9350	9700	10000	10350	10700	11100	11750	

Optidriver AT 2412F gearbox (14.94 - 1) with automatic clutch.  
Aluminium housing  
Max. torque 2400 Nm, 12 forwards gears and 3 reverse gears.  
Steering wheel mounted operating mode selection (automatic/manual) via gear shift selector  
Gearshifting strategy optimised for DISTRIBUTION  
Gearbox oil cooler, oil/water heat exchanger



**OPTIONS**

- Gearshifting strategy optimised for FUEL ECO
- Heavy duty gearbox oil cooler, oil/water external heat exchanger

**RETARDER**

OPTIBRAKE (power rating 300 kW at 2300 rpm):  
combination of the exhaust brake and valve compression braking, coupled to service brake

**ENGINE EQUIPMENT**

Power mode is activated by passing the 'hard spot' at the end of the accelerator pedal stroke (kick down)  
Partial gas recycling (semi-closed circuit)  
Intake air preheating cold starting device  
Without engine Power Take Off.  
Electronic speed limiter (90 km/h).

**OPTIONS**

- Voith hydraulic retarder (450 kW - 3250 Nm)

**POWER TAKE-OFFS**

**OPTIONS**

- Power mode inhibited after passing the 'hard spot' of the accelerator pedal
- Automatic engine cut-off (3 min)
- Automatic engine cut-off (5 min)
- Engine rear power take-off:  
Flange output DIN 100  
Continuous drive

**OPTIONS**

- Power take-off S84  
Output: splined hollow shaft (DIN 5462)  
Direction of rotation: as engine  
Torque: 430 Nm  
Ratios: 0.91/1.16  
Position: 17h
- Power take-off S81, 800 Nm, flange output



- Power take-off S81  
Output: flange (DIN 90)  
Direction of rotation: opposite to engine  
Torque: 1000 Nm  
Ratios: 0.71/0.90  
Position: 18h
- Power take-off S81  
Output: splined hollow shaft (DIN 5462)  
Direction of rotation: opposite engine  
Torque: 800 Nm  
Ratios: 0.71/0.90
- Power take-off S81  
Output: splined hollow shaft (DIN 5462)  
Direction of rotation: opposite to engine  
Torque: 1000 Nm  
Ratios: 0.71/0.90  
Position: 18h
- Power take-off S84  
Output: flange (DIN 90)  
Direction of rotation: as engine  
Torque: 430 Nm  
Ratios: 0.91/1.16  
Position: 17h  
Without gearbox mounted PTO

## STEERING

Hydraulic steering box with variable step-down power assistance.  
Driving on the right

## FRONT AXLE

Load capacity (technical max.) Front axle: 7.1 t.

## REAR AXLE

Liftable rear axle with single wheel fitment featuring air suspension  
Load transfer to drive axle (11.5 t + 30% if speed below 30 km/h)

## OPTIONS

- Liftable rear axle with twin wheel fitment featuring air suspension
- 3rd non steerable rigid axle, single wheel
- 3rd steered rear fixed axle, single wheel fitment

## WHEELS AND TYRES

Dimension 315/60 R22.5  
Profile G. KMAX S HL/D  
Steel disc wheels  
Front wheel trims  
Without spare wheel.

## OPTIONS

- Dimension 385/55 + 315/60 R22.5
- Profile B. ECOPIA H-STEER-1/H-DRIVE-1

## BRAKING

### Service brake:

Braking system with two independent circuits  
All-disc brakes  
Electronic management of air production by APM (Air Product Management)  
Dryer cartridge optimised by preventive maintenance  
Twin-cylinder air compressor 1100 l/min, 760 cm<sup>3</sup>  
Air tank mounting rubber fittings  
Two line trailer braking system (ISO connections).

### EBS:

Anti-lock braking system (ABS).  
Anti-slip regulation (ASR).  
Drag torque control (Torque control during downshifting).  
(Disc) brake pad wear compensation  
Retarder and service brake linking  
Differential engagement management (if equipped) at speeds <10 km/h (4x2)  
Hill Start Assist  
Braking performance warning  
ESC (Electronic Stability Control) trajectory control and anti-rollover system  
Coupling traction test  
Emergency brake assist (EBA)

### Parking brake:

Air operated spring brake actuators on rear wheels  
Hand brake valve.

### Brake adjustment:

Automatic brake lining slack compensation.

### Emergency brake:

Ensured by independence of main device circuits

## OPTIONS

- Disengageable air compressor
- Aluminium air tanks.
- "Differential lock release if vehicle speed exceeds 10 km/h" adaptation

## CAB

### Cab exterior:

Day cab  
All steel Cab, electro-zinc plated and cataphoretic paint treatment.  
Cab paint colour: White ekla  
technical code: 09350



Red badge  
Anti-spray deflectors  
Four point mechanical cab suspension.  
Hydraulic cab tilt.  
2 heated, remote control rear view mirrors.  
Rear view mirrors for bodywork up to 2.55 m wide  
Fold-back front view mirror  
Air horn  
Roof-level air intake.  
Air filter clogging indicator  
Spray suppression on front wings  
Tinted, laminated windscreen.  
Without rear window.

## OPTIONS

- 4-point cab air suspension with ride-height control system
- Adjustable roof deflector
- External sun visor
- Provision for mounting external sun visor.
- Heated and tinted laminated windscreen
- With 2 rear tinted side windows
- Tinted rear cab window

### Cab interior:

Upper storage cupboard with net cover, 2 storage compartments (50 l) with net covers  
Three sun blinds on windscreen  
DTCO 4.0 digital chronotachograph  
Air-suspended driver's seat with fitted seat belt.  
Driver's armrest  
Red seat belts  
Adjustable passenger seat  
Blower socket on central console  
Raised engine tunnel.  
Cab lighting time-delay.  
2 Coat hooks on rear panel  
Electrically operated door windows  
Handbook in Czech.

## OPTIONS

- Analog and digital DAB and DAB+ radio requiring a digital antenna (not provided)  
audio playback via USB and streaming via Bluetooth 4.0  
with hands-free function and steering wheel-mounted controls
- CB pre-equipment.
- Offset 24 V socket
- Air-suspended COMFORT driver's seat, with fitted seat belt, lumbar support, heated cushion and seatback, seat depth adjustment
- Air-suspended passenger seat with seatbelt.
- Passenger armrest
- Storage on engine tunnel
- Rear storage on central tunnel
- Cab independent night heater air/air (2 kW)
- Air conditioning
- Smartphone mounting plate
- Engine hourmeter.
- Adaptation: "Cylinder on clutch pedal"

- "DRIVER'S ALCO-LOCK provide and install immobiliser alco-lock kit" adaptation
- Adjustment of "beam setting for toll chargers"
- "Air blower installation inside the cab" adaptation
- Analog and digital DAB and DAB+ radio requiring a digital antenna (not provided)  
audio playback via USB and streaming via Bluetooth 4.0  
with hands-free function and steering wheel-mounted controls

### Steering wheel equipment:

4-spoke steering wheel adjustable for height and depth,  
includes cruise control controls  
OPTIDRIVER control  
OPTIBRAKE and retarder control.

## OPTIONS

- 4-spoke leather steering wheel adjustable for height and depth, with control for cruise control
- Analog and digital DAB and DAB+ radio requiring a digital antenna (not provided)  
audio playback via USB and streaming via Bluetooth 4.0  
with hands-free function and steering wheel-mounted controls  
Analog radio with audio playback and streaming via Bluetooth 4.0  
with hands-free function and steering wheel-mounted controls

### Instrument panel:

12V socket on dashboard, for accessories.  
Starting inhibitor controlled by transponder key.  
Folding key.  
Remote control central door locking.  
Speed limiter adjustable via steering wheel control (ASL)  
Cruise Control with steering wheel-mounted controls

## OPTIONS

- 12 V + 24 V socket on dashboard, for accessories.
- ECO Cruise control with Optiroll
- "ONSPOT type automatic chaining system" adaptation
- Analog and digital DAB and DAB+ radio requiring a digital antenna (not provided)  
audio playback via USB and streaming via Bluetooth 4.0  
with hands-free function and steering wheel-mounted controls



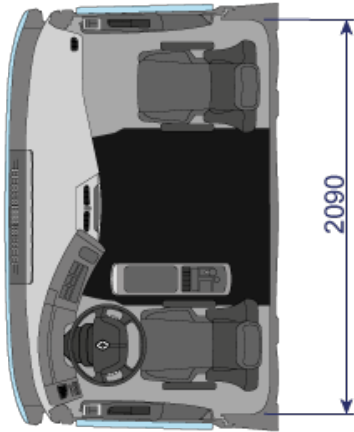
Advanced emergency braking system (AEBS)  
English and Czech language display  
Additional language (Slovak)

## OPTIONS

- FMS Gateway fleet management interface
- Telematics provision including the TGW (Telematics GateWay): including antenna and subscription to Optifleet Map, Check and Drive services
- Constant time gap (CTG) linked to advanced emergency braking system (AEBS)

## ELECTRICAL EQUIPMENT

Battery capacity: 185 Ah  
Batteries with level check  
Battery isolation switch  
Alternator : 110 amp capacity.



## OPTIONS

- Maintenance-free batteries
- Battery isolation remote control
- "LED rear lights" adaptation

## CHASSIS

Chassis protective paintwork, mineral grey colour  
technical code: 03650  
Chassis reinforcement at rear drive axle  
Standard rear overhang, pre-drilled for bodybuilder  
Removable front towing cap.  
Front under-run protection.  
Rear under-run bar.  
Trailer cross member for G150 hook (100 x 160 mm attachment)  
Lowered wing position, recommended for motorway use.  
Two wheel chocks with bracket.  
Side exhaust.

## OPTIONS

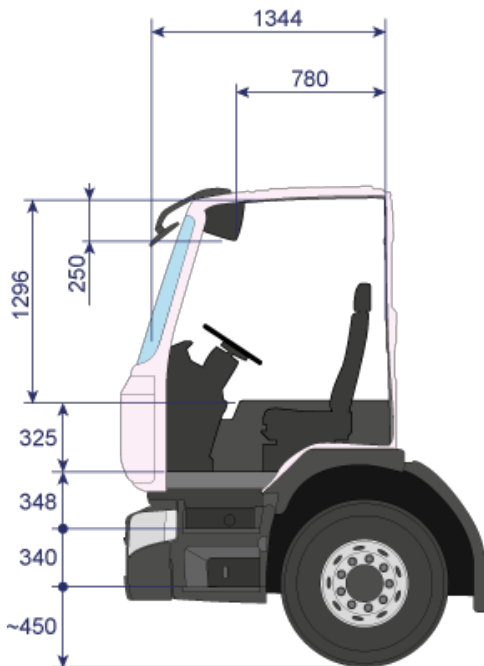
- Closing cross member with pre-drilling for towing yoke
- Engine air filter with easily removable cartridges.
- Wings fitted in standard position.
- One wheel chock with bracket mounted on chassis.
- Exhaust flame trap.

## BUMPER - STEPS AND LIGHTING

3-part plastic bumper  
Access to driving position by 2 stepwell steps.  
Step lighting.

## ELECTRONIC EQUIPMENT:

SAE cab socket for vehicle data extraction (Optifuel Infomax).  
Lane Departure Warning System (LDWS)



Electrical headlamp levelling control.  
Running lights

## OPTIONS

- Front fog lights.
- 2 orange rotating beacons
- Roof beacon pre-equipment

## SUSPENSION

### Front suspension

Front air suspension.  
Heavy duty stabiliser bar

## OPTIONS

- Front parabolic leaf springs.
- Stabiliser bar

### Rear suspension:

Air suspension  
Suspension remote control (2 channels).

## FUEL TANK

Main steel tank.  
Main fuel tank: 315 litres capacity D560 profile mounted on right  
Fuel filter heater  
Sedimenter and prefilter (R60). Bleed control on dashboard.

## OPTIONS

- Main fuel tank: 255 litres capacity D560 profile mounted on right
- Main fuel tank: 405 litres capacity D710 profile mounted on right
- Main fuel tank: 415 litres capacity D560 profile mounted on right
- Main fuel tank: 285 litres capacity D710 profile mounted on right
- Main fuel tank: 630 litres capacity D560 profile mounted on right
- Main fuel tank: 490 litres capacity D710 profile mounted on right
- Main fuel tank: 220 litres capacity D560 profile mounted on right
- Heavy duty sedimenter and prefilter (R90).Bleed control on dashboard.
- "Direct diesel fuel supply for ancillary equipment" adaptation
- Anti-siphoning device

## AdBlue

50 L plastic AdBlue tank for fuel tank capacity greater than 200 litres.

## STANDARD EQUIPMENT

Warning triangle.  
Windscreen washer bottle capacity: 12L

## OPTIONS

- Tool box on LHS chassis
- 125L tool box on chassis.
- Sharp angle protection.

## BODYWORK

Body mounting brackets front and rear.  
Bodybuilder access through bulkhead  
Orange LED side marker lights with reflector  
Provision for bodybuilder electronic box interface.

## OPTIONS

- Front and rear mounting brackets for flexible fitment
- Bodywork bracket mounting holes
- Bodybuilder suspensions control:  
Inhibition of suspension height regulation, platform kneeling, height regulation
- Electrical provision for crane

## SERVICE

### Optifleet:

## OPTIONS

- Pre-equipment for monthly Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, activation of service on request subject to monthly subscription
- Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 1-year prepaid subscription
- Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 2-year prepaid subscription





- Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 3-year prepaid subscription
- Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 4-year prepaid subscription
- Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 5-year prepaid subscription
- Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 6-month prepaid subscription
- Pre-equipment for monthly Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, activation of service on request subject to monthly subscription
- Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, 1-year prepaid subscription
- Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, 2-year prepaid subscription
- Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, 3-year prepaid subscription
- Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, 4-year prepaid subscription
- Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, 5-year prepaid subscription
- Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, 6-month prepaid subscription
- Pre-equipment for monthly Optifleet Map: vehicle geolocation, geofencing and route analysis. Activation of service on request subject to monthly subscription
- Optifleet Map: vehicle geolocation, geofencing and route analysis, 1-year prepaid subscription
- Optifleet Map: vehicle geolocation, geofencing and route analysis, 2-year prepaid subscription
- Optifleet Map: vehicle geolocation, geofencing and route analysis, 3-year prepaid subscription
- Optifleet Map: vehicle geolocation, geofencing and route analysis, 4-year prepaid subscription
- Optifleet Map: vehicle geolocation, geofencing and route analysis, 5-year prepaid subscription
- Optifleet Map: vehicle geolocation, geofencing and route analysis, 6-month prepaid subscription
- Pre-equipment for monthly Optifleet Map+: high frequency vehicle geolocation, geofencing and route analysis. Activation of service on request subject to monthly subscription
- Optifleet Map+: vehicle geolocation, geofencing and route analysis, 1-year prepaid subscription
- Optifleet Map+: vehicle geolocation, geofencing and route analysis, 2-year prepaid subscription
- Optifleet Map+: vehicle geolocation, geofencing and route analysis, 3-year prepaid subscription
- Optifleet Map+: vehicle geolocation, geofencing and route analysis, 4-year prepaid subscription
- Optifleet Map+: vehicle geolocation, geofencing and route analysis, 5-year prepaid subscription
- Optifleet Map+: vehicle geolocation, geofencing and route analysis, 6-month prepaid subscription

## PACKS

- Pack "Fuel Eco" comprising:  
ECO Cruise control with Optiroll  
Automatic engine cut-off (3 min)  
Gearshifting strategy optimised for FUEL ECO  
Disengageable air compressor  
Power mode inhibited after passing the 'hard spot' of the accelerator pedal
- Pack "Protect" comprising:  
Tyre pressure gauge  
Tyre inflation extension piece  
Cab volumetric alarm, immobilizer and load protection.  
Passenger side vision door with lower tinted window  
Reversing warning buzzer, including night switch.





**GEARBOX RATIOS**

1	2	3	4	5	6	7	8	9	10	11	12
14.94	11.73	9.04	7.09	5.54	4.35	3.44	2.70	2.08	1.63	1.27	1.00

**PERFORMANCE**

Gearbox ratio	Axle ratio	Code	Final ratio	Engine rpm at max torque	Speed	Gradient in % (2)	Engine speed at 90 km/h	Governed speed in km/h (1)
1	DRIVE AXLE RATIO 2.64	1CJ37	2.640	950	4.16	41.92		
	DRIVE AXLE RATIO 2.85	1CJ36	2.850	950	3.86	45.94		
	DRIVE AXLE RATIO 3.46	1CJ73	3.460	950	3.18	58.82		
	DRIVE AXLE RATIO 3.61	1CJ64	3.610	950	3.04	62.34		
	DRIVE AXLE RATIO 2.47	1CJ82	2.470	950	4.45	39.20		
12	DRIVE AXLE RATIO 2.64	1CJ37	2.640				1375.00	124
	DRIVE AXLE RATIO 2.85	1CJ36	2.850				1484.38	115
	DRIVE AXLE RATIO 3.46	1CJ73	3.460				1802.08	95
	DRIVE AXLE RATIO 3.61	1CJ64	3.610				1880.21	91
	DRIVE AXLE RATIO 2.47	1CJ82	2.470				1286.46	133

(1) Speed limited electronically (except VI < or = 12t, where special regulations apply)

(2) Slope calculated in %, varies according to ground adhesion

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