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D 25 WIDE 6X2 R LOW 380 E6

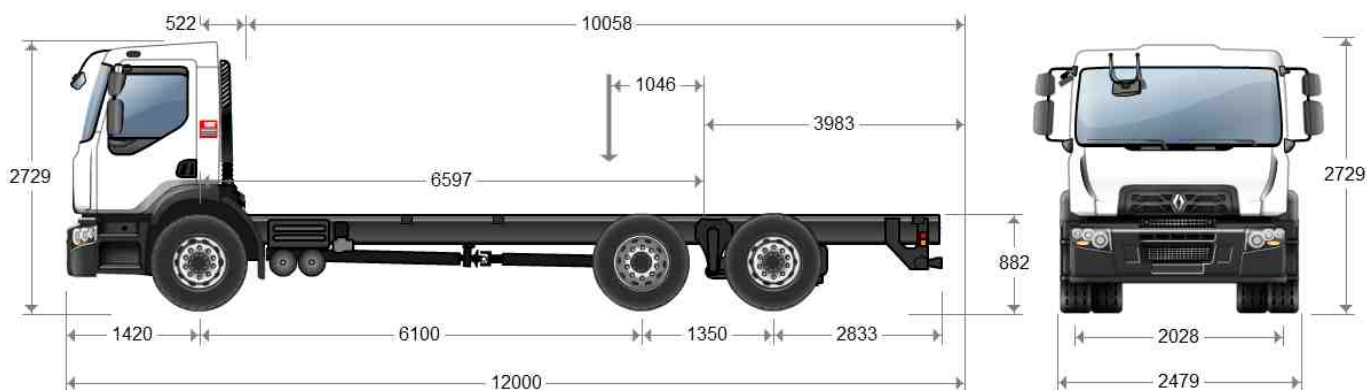
RIGID

Model code : CST_20DM016LOW10

GVW 24.5 T / 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	24500											0
Payload	(C)	Kg	16992	16970	16938	16891	16876	16840	16787	16702	16677	16607	16602	0
Kerb Weight	total	Kg	7508	7530	7562	7609	7624	7660	7713	7798	7823	7893	7898	0
Chassis cab kerb weight	Front axles (Liftable axle down)	Kg	4534	4535	4543	4554	4550	4566	4569	4591	4596	4622	4649	0
	Rear axles (Liftable axle down)	Kg	2974	2995	3019	3055	3074	3094	3144	3207	3227	3271	3249	0
Maximum Weight (registered)	Front axle 1	Kg	6700											
	rear axle 1	Kg	11500											0
	rear axle 2	Kg	6700											0
	Rear axle(s)	Kg	18200											0
Maximum Weight (technical)	total (CoC: 16.1.)	Kg	24900											
	front axles (CoC: 16.2.)	Kg	6700											
	rear axles (CoC: 16.2.)	Kg	18200											

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	6280	6628	6979	7331	7677	8120	8554	8999	9437	9974	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	4197	4397	4597	4797	4997	5247	5497	5747	5997	6297	6597	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	301	341	381	421	461	511	561	611	661	746	1046	0
	Max. (Ymax / BEP L103)	mm	535	561	585	609	637	665	698	726	757	788	1046	0
Min Overall Length (Z)	(Zmin / BEP L001)	mm	8222	8570	8921	9273	9619	10062	10496	10941	11379	11916	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	2605	2753	2904	3056	3202	3395	3579	3774	3962	4199	3983	0
	Max. (Xmax / BEP L017)	mm	3073	3193	3313	3433	3553	3703	3853	4003	4153	4283	3983	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	2730								2729		0	
Max. exterior height unladen	(BEP H001)	mm	2730							2729			0	
Side member height	(BEP H032)	mm	266											
Ground clearance, laden	Front (U1 / BEP H015)	mm	160											0
	Rear (U3 / BEP H016)	mm	165											0
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	856							855				
	Laden (H1 / BEP H036)	mm	845											
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	882											0
	Laden (H2 / BEP H038)	mm	862											0
Frame top height at the rear of the frame	Unladen (HN)	mm	905	904		903			902		899			
	Laden (HN)	mm	877				876				874			

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
DTI 11 ENGINE	Front (BEP W035)	mm							Direction of rotation: as engine		1082		0	
	Rear (BEP W036)	mm							Torque: static use 650 Nm, dynamic use 200 Nm		852		0	
Max. power output: 270 kW between 1700 and 1850 rpm									Position 1 o'clock				0	
Max. torque: 1800 Nm from 950 rpm to 1400 rpm									• Engine rear power take-off:					
Common rail diesel engine - Common rail high-pressure fuel-injection (1700 bar) - 6-cylinders - 16-valves - overhead camshaft, rear-mounted timing									Hollow shaft output DIN 5462					
High pressure provided by three pumps on injector bodies									Continuous drive					
Bore 123 mm - stroke 152 mm - Capacity 10.8 L									Direction of rotation: as engine					
Turbocharger									Torque: static use 650 Nm, dynamic use 200 Nm				0	
Electronically controlled (V2 / BEP W012)									Ratio: 1.08					
Direction of rotation (Seen from G/B end): anti-clockwise									Position 1 o'clock					
Engine adapted to sulphur diesel (BEP W032)									1837				0	
Antifreeze protection (W250)									CLUTCH					
									2028					

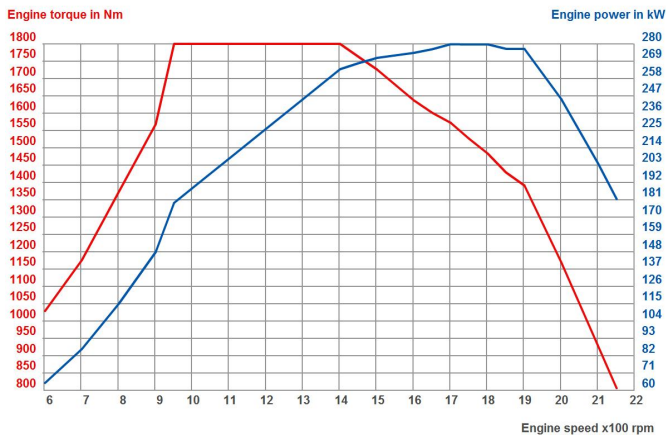
EEC EURO VI pollution control level
Compact after-treatment system (catalytic converter, DPF, SCR)

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		13			
Turning Radius	kerb to kerb	mm	7346	7646	7946	8246	8546	8896	9296	9646	10046	10496	10946	
	Overall (BEP W012)	mm	8100	8400	8700	9000	9300	9600	9900	10200	10500	10800	11100	

- Sheet metal oil sump



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 295/60 R22.5
Profile G. KMAX S/D
Steel disc wheels
Front wheel trims
Without spare wheel.

OPTIONS

- Dimension 315/60 + 295/60 R22.5

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 cm³
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 eka
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



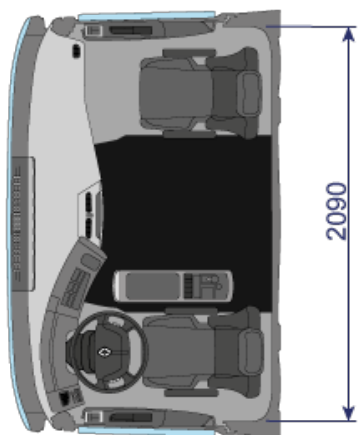
Advanced emergency braking system (AEBS)
English and Czech language display
Additional language (Slovak)

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

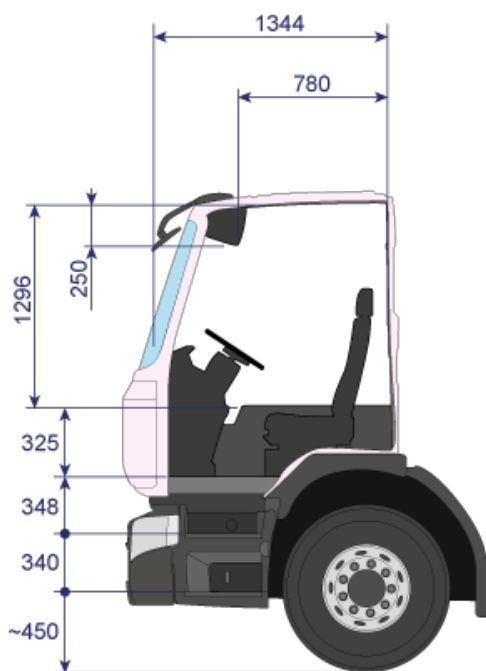
- Closing cross member with pre-drilling for towing yoke
- Engine air filter with easily removable cartridges.
- Wings fitted in standard position.
- One wheel chock with bracket mounted on chassis.
- Exhaust flame trap.

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	4.06	43.08		
	DRIVE AXLE RATIO 3.46	1CJ73	3.460	950	3.09	60.69		
	DRIVE AXLE RATIO 2.47	1CJ82	2.470	950	4.33	40.26		
12	DRIVE AXLE RATIO 2.64	1CJ37	2.640				1411.26	121
	DRIVE AXLE RATIO 3.46	1CJ73	3.460				1849.61	92
	DRIVE AXLE RATIO 2.47	1CJ82	2.470				1320.38	130

(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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