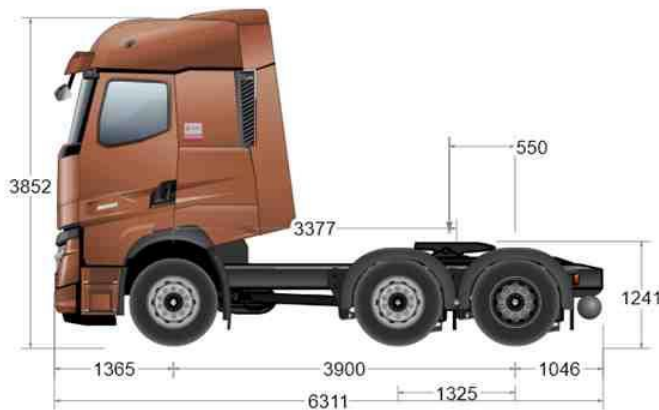


Model code : UKM\_10XC036STPUS  
Print date: 07/02/2025  
Last updated: 07/02/2025

Prepared for :

**RENAULT TRUCKS T HIGH T6X2 PUSHER 13L E6 - GVW 23.4 T / GCW 44 T**



**WEIGHTS**

Wheelbase		mm	3.900
Maximum Weight (registered)	Total (GVW)	Kg	23400
Payload	(C)	Kg	14330
Maximum Weight (registered)	Front axle 1	Kg	8000.00
	rear axle 1	Kg	7500
	rear axle 2	Kg	11500
Min. weight complete vehicle unladen	Front axle(s)	Kg	7133.00
Kerb Weight	total	Kg	9070
	Front Axle 1	Kg	5684.00
Chassis cab kerb weight	Rear Axle 1	Kg	1337.00
	Rear Axle 2	Kg	2049.00
	Front axles (Liftable axle down)	Kg	5684
	Rear axles (Liftable axle down)	Kg	3386
	Front axles (Liftable axle up)	Kg	6063.00
	Rear axles (Liftable axle up)	Kg	2932.00
Total vehicle weight under full load at YMIN	Front axle(s)	Kg	



Total vehicle weight under full load at YMAX	Rear axle(s)	Kg	
	Front axle(s)	Kg	
	Rear axle(s)	Kg	

**This table includes the weights of the RENAULT TRUCKS options: full AdBlue tank, oil, screen wash fluid and coolant at 100%, fuel fill level 90% and driver present (75 kg)**

**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 axle load(s) must be respected: A value corresponding to 26% of the weight of the unladen bodied vehicle kerb weight (with driver, without passenger)**

## LENGTHS

Wheelbase		mm	3.900
Front Overhang	(H / BEP L016)	mm	1365
Wheelbase	(F / BEP L011)	mm	3900
Axle Spacing	Axle 2-3 (BEP L012.2)	mm	1325.00
Rear overhang	Chassis, overall (BEP L017)	mm	1046
Centre of Gravity of vehicle	at X (BEP L044)	mm	1271.00
Technical wheelbase	(F' / BEP L015)	mm	3377
Overall Chassis Length	(A / BEP L001)	mm	6311

## HEIGHTS

Wheelbase		mm	3.900
Ground clearance, laden	Front (U1 / BEP H015)	mm	198
	Rear (U3 / BEP H016)	mm	215
Max. exterior height unladen	(BEP H001)	mm	3940
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	4544.00
Cab height (unladen)	(O)	mm	3852
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	312.00
	Laden (H0 / BEP H18)	mm	305.00
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	962.00
	Laden (H1 / BEP H036)	mm	952.00
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	972
	Laden (H2 / BEP H038)	mm	952
Frame top height at the rear of the frame	Unladen (HN)	mm	975.00
	Laden (HN)	mm	952.00
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	932.00
Side member height	(BEP H032)	mm	300.00

## TOWING DEVICE

Wheelbase		mm	3.900
Distance between the front of the vehicle and the centre of the trailer coupling device	(BEP L073 + L016)	mm	4715.00
Distance between centre of last axle to centre of coupling device		mm	
Fifth wheel height, from top of side member	(BEP H074 + H071)	mm	270.00
Fifth wheel height from ground	Unladen (BEP H076)	mm	1241
	Laden (BEP H078)	mm	1222
Swept Swing Clearance	(BEP L078)	mm	
Fifth wheel position	Max. (Ymax / BEP L075)	mm	1100
Gross Vehicle Weight	at YMAX	Kg	23400.00
Gross Vehicle Weight, load on front axle(s)	at YMAX	Kg	8000.00
Gross Vehicle Weight, load on rear axle(s)	at YMAX	Kg	15400.00
King Pin Load	at YMAX	Kg	14330.00
King Pin Load on Front Axle(s)	at YMAX	Kg	2316.00
King Pin Load on Rear Axle(s)	at YMAX	Kg	12014.00
Fifth wheel position	Min. (Ymin / BEP L077)	mm	550

Gross Vehicle Weight	at YMIN	Kg	23400.00
Gross Vehicle Weight, load on front axle(s)	at YMIN	Kg	4400.00
Gross Vehicle Weight, load on rear axle(s)	at YMIN	Kg	19000.00
King Pin Load	at YMIN	Kg	14330.00
King Pin Load on Front Axle(s)	at YMIN	Kg	-1284.00
King Pin Load on RearAxle(s)	at YMIN	Kg	15614.00
Fifth wheel position	Manufacturer's recommendation (Y / BEP L076)	mm	550
Gross Vehicle Weight	in fifth wheel position recommended by manufacturer	Kg	23290.00
Gross Vehicle Weight, load on front axle(s)	in fifth wheel position recommended by manufacturer	Kg	8000.00
Gross Vehicle Weight, load on rear axle(s)	in fifth wheel position recommended by manufacturer	Kg	15290.00
King Pin Load	in fifth wheel position recommended by manufacturer	Kg	14220.00
King Pin Load on Front Axle(s)	in fifth wheel position recommended by manufacturer	Kg	2316.00
King Pin Load on RearAxle(s)	in fifth wheel position recommended by manufacturer	Kg	11904.00
Fifth wheel position	Intermediate 1	mm	500.00
Gross Vehicle Weight	in intermediate fifth wheel position 1	Kg	23400.00
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 1	Kg	7806.00
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 1	Kg	15594.00
King Pin Load	in intermediate fifth wheel position 1	Kg	14330.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 1	Kg	2122.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 1	Kg	12208.00
Fifth wheel position	Intermediate 2	mm	450.00
Gross Vehicle Weight	in intermediate fifth wheel position 2	Kg	23400.00
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 2	Kg	7594.00
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 2	Kg	15806.00
King Pin Load	in intermediate fifth wheel position 2	Kg	14330.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 2	Kg	1910.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 2	Kg	12420.00
Sliding fifth wheel	front fork	mm	4.71
	rear yoke	mm	4.22

## WIDTHS

Wheelbase		mm	3.900
Max exterior cab width with rear view mirrors open	(BEP W001)	mm	2995.00
Max. cab width	(BEP W002)	mm	2534
Frame width	Front (BEP W035)	mm	1080
	Rear (BEP W036)	mm	850
Width at rear wheels	Rear axle 1 (V3 / BEP W003.2)	mm	2335
	Rear axle 2 (V5 / BEP W003.3)	mm	2499.00
Track	Front (V1 / BEP W013.1)	mm	2028
	Rear 1 (V2 / BEP W013.2)	mm	2023
	Rear 2 (V4 / BEP W013.2)	mm	1837.00

## OTHER

Wheelbase		mm	3.900
Approach angle	(BEP H010)	°	12
Ramp angle	(BEP H012)	°	21.70
Departure angle	(BEP H011)	°	17.60
Side member thickness	(BEP W034)	mm	7.00
Turning Radius	Overall (BEP W012)	mm	6900.00
	kerb to kerb	mm	6206.00
	interior	mm	2789.00

## 13 ENGINE

### TURBOCOMPOUND ENGINE

Recovering heat that would otherwise be lost, the turbo compound converts exhaust energy into mechanical

energy that is delivered to the crankshaft, increasing the engine's torque.

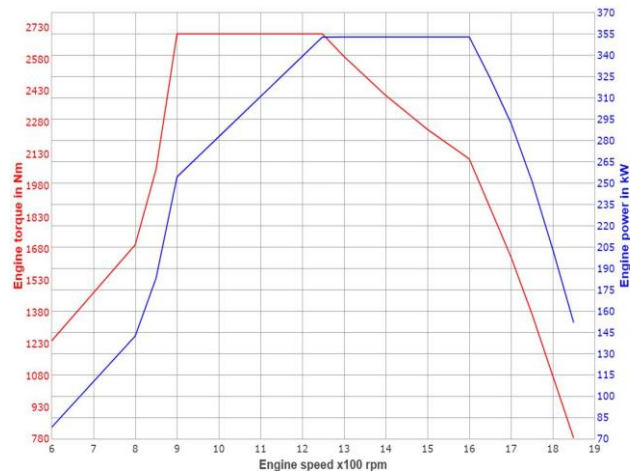
Maximum power: 360 kW from 1250 to 1600 rpm

Maximum torque: 2700 Nm from 900 rpm to 1250 rpm

Power Output (UK): 480 TC hp



6-cylinder in-line diesel engine - Common rail high-pressure fuel-injection (2000 bar) - 24 valves - overhead camshaft, rear-mounted timing  
 High pressure provided by three pumps on injector bodies.  
 Bore 131 mm - stroke 158 mm - Capacity 12.8 L  
 Electronically-controlled fan  
 Turbocharger  
 Direction of rotation (seen from gearbox end): anti-clockwise  
 Oil filter with additive  
 Oil service interval up to 100,000 km  
 EEC EURO VI pollution control level  
 Compact after-treatment system (catalytic converter, DPF, SCR)  
 Cooling liquid  
 Automatic regeneration of particulate filter  
 Noise standard R51.03



## ENGINE EQUIPMENT

Power mode inhibited after passing the 'hard spot' of the accelerator pedal  
 Partial gas recycling (semi-closed circuit)  
 Automatic engine cut-off (5 min)  
 Without engine Power Take Off.  
 Electronic speed limiter (90 km/h).

## CLUTCH

Single-plate clutch, diameter 430 mm

## GEARBOX

Optidriver AT 2812 gearbox (14.94 - 1) with automatic clutch. Aluminium housing.  
 Max. torque 2800 Nm, 12 forward gears and 3 reverse gears.  
 Steering wheel-mounted operating mode selection (automatic/manual) via gear shift selector, Optivision Map Based + Traffic Info gearshift strategy for FUEL ECO (advance warning of hills, bends and roundabouts. Centralised data storage with traffic information).  
 Gearbox rear intermediate housing in aluminium  
 Gearbox oil cooler, oil/water heat exchanger

## RETARDER

OPTIBRAKE+ (power rating 430 kW at 2300 rpm): combination of the exhaust brake and valve compression braking, coupled to service brake

## POWER TAKE-OFF

Without gearbox mounted PTO

## STEERING

Right hand drive.  
 Hydraulic power steering, electronically controlled variable flow pump.  
*Steering ratio 23.2*  
 Driving on the left

## FRONT AXLE

Maintenance-free axle with pivots  
*Front load capacity (technical max.): 8 t*

## REAR AXLE

Liftable rear axle  
 Load transfer to drive axle (10.5 t + 30% if speed below 30 km/h)  
 Rear axle position : in front of engine drive axle

## BRAKING

### Service brake:

870 l/min air compressor.  
 Braking system with two independent circuits.  
 Ventilated disc brakes.  
 Electronic management of air production by EACU (Electronic Air Control Unit):  
 Dryer cartridge optimised by preventive maintenance.  
*Steel protective cover on EACU*  
 Disengageable air compressor  
*Aluminium air tanks.*  
 Brake hose couplers, UK standard  
 Electrical lead with one 15-pin connector to two 7-pin connectors (24N, 24S)  
 Downward-facing semi-trailer connection  
 Dummy sockets for electrical cables on DFR  
*Trailer brake device at cab rear, in aluminium*

### EBS:

Anti-lock braking system (ABS).  
 Anti-slip regulation (ASR).

Brake balancing between tractor unit and trailer.  
 (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)  
 Stop lights emergency lighting

### Parking brake:

EPB (Electronic Parking Brake) automatic parking brake, immobilization provided by spring cylinders

## SAFETY

### WHEELS AND TYRES

Dimension 315/70 R22.5  
 Steel disc wheels  
 ISO\_11992 compatible tyre pressure monitoring system  
*Steel front wheel trims*  
 Without spare wheel.

### REAR DRIVE AXLE

*P13170-FR single-reduction rear axle. 13T axle load, 50T capacity with reinforced differential. Hypoid final drive*  
 Integral differential lock  
 Rear loading capacity (technical max.): 19 t  
 Rear load 7.5t - 11.5t  
*Drive axle ratio: 2.31*  
 Engine speed at 90 km/h: 1120 rpm

## CAB

### Cab exterior:

High Sleeper cab  
 All steel Cab, electro-zinc plated and cathaphoretic paint treatment.  
 Red badge  
 Aerodynamic dirt deflectors on the headlamps  
 4-point cab air suspension with ride-height control system  
 Electrically operated cab tilt.  
 Four side storage compartments of which one is accessible from inside the cab  
 Driver and passenger side rear-view cameras  
 No rear-view mirror. Rear view using a camera  
*Blind spot camera*  
 Kerb view mirror.  
 Rear view mirrors for bodywork up to 2.55 m wide  
 Fold-back front view mirror  
 Air horn  
*Laminated side windows.*  
 Spray suppression on front wings  
*Fixed roof deflector*

*Side deflectors (2 opening panels)*  
 Door extensions (step cover)  
 Exterior parts finished in cab colour  
 Wide external sun visor  
 Tinted, laminated windscreen.

### Cab interior:

Black grab handles  
*Interior cab finish - Red*  
 Performance roof console, 4 storage compartments with doors including 1 with key lock, 1 storage space with net, 4 ISO modules  
*Electric interior sun blind on windscreen, manual blinds on driver and passenger side windows*  
 With digital camera.  
*TV aerial pre-equipment*  
 DTCO 4.1 digital tachograph  
 Offset 24 V socket  
*No roof air vent*  
*No mosquito screen on ventilator*  
*Synthetic carpet floor mats*  
**LUXURY DRIVER'S SEAT:**  
*Adjustable vertical damping*  
*Seat squab tilt*  
*Length and height-adjustable*  
*Removable cover*  
*Adjustable headrest*  
*Seat quick-drop function with height setting memory*  
*Seat back side support adjustment*  
*Seat cushion side support adjustment*  
*Adjustable lumbar support*  
*Extendible seat squab cushion*  
*Heating system (driver's seat)*  
*Ventilation (driver seat)*  
*Seat with longitudinal suspension*  
*Two driver's armrests*  
 Red seat belts  
 Seat belt fastened reminder  
*Air suspension*  
*Adjustable vertical damping*  
*Neck support*  
*Height-adjustable*  
*Easy Access*  
*Stowage on rear of seat back*  
*2 arm rests*  
*Two passenger armrests*  
*Leather and fabric upholstery*  
 Sérénité lower bunk: 2018mm long, 670mm wide (790mm between seats), mattress thickness: 170mm  
*Mattress topper (memory foam)*  
*Removable back rest*  
*Driver's airbag.*  
*Blower*  
*Air blower inside the cab*  
 XL drawer + bottle holder (1.5 L bottle) + waste bin (3.2 L)  
*Cab interior lighting management rotary control (Activity/Rest/Night driving), brightness adjustment*  
*Reading lamps on overhead console*  
*LED direct and indirect cab lighting*  
*Red night lighting covering 3 rows on the overhead console*  
 Cab lighting time-delay.  
*Curtains with solar insulation around the cab*

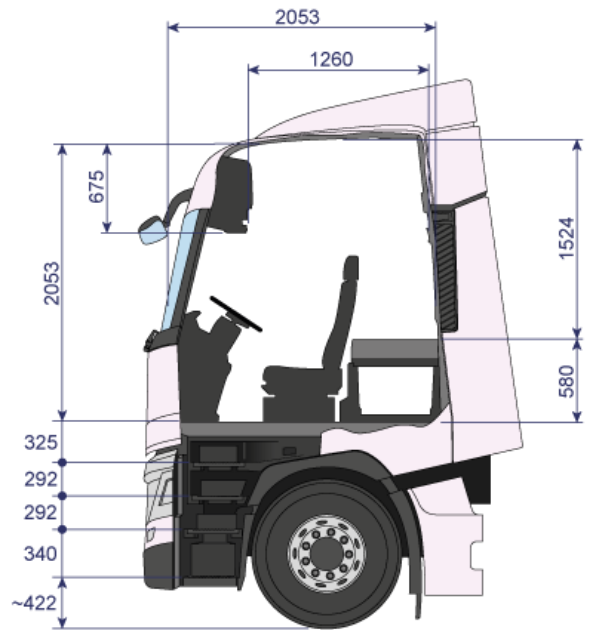
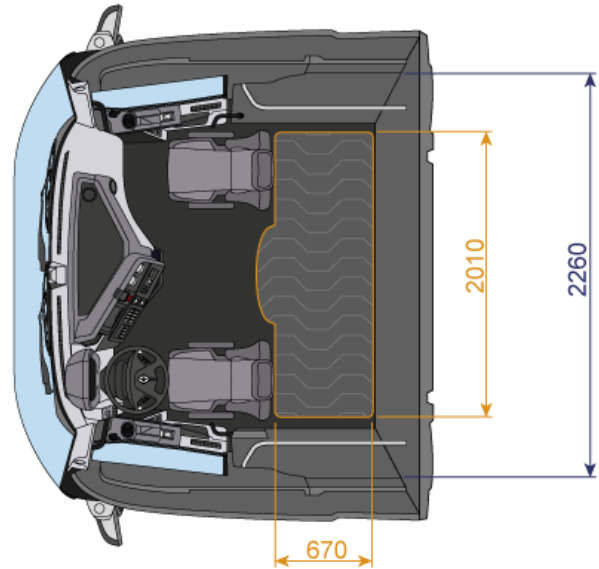
Bunk area lighting  
Remote control for comfort functions in bunk area with integrated display  
12 V & 5 V socket (bunk)  
*40L refrigerator in central storage under bench, quiet with thermostat and vehicle battery management*  
2 storage boxes under bunk, one accessible from interior and exterior  
*First-aid box*  
Driver's window with impulse control.  
2kW stand-alone cab heater (air/air). Air distribution via three vents (behind the left seat, behind the right seat and above the bunk)  
*Reinforced heat insulation*  
*Electronically regulated comfort air conditioning with compressor optimisation*  
*Cab air filtration, washable filter*  
*Dometic SPX1200 self-contained air-conditioning*  
Handbook and Service pack in English.  
4 loudspeakers and 2 tweeters  
*Fire extinguisher 3kg*

**Steering wheel equipment:**

*Ultimate leather steering wheel with red stitching*  
OPTIDRIVER control  
OPTIBRAKE and retarder control on right-hand side  
3-way adjustable steering column  
*Writing clipboard*  
Multifunction screen with DAB radio

**Instrument panel:**

COMPACT dashboard  
12" HD colour information display  
Speedometer in miles  
12 V + 24 V socket on dashboard, for accessories.  
Starting inhibitor controlled by transponder key.  
Ready to fit alcohol ignition interlock device  
Start button  
*3rd ignition key*  
Customer adjustable overspeed downhill  
ECO cruise control with Optiroll and Smart Torque.  
Intelligent speed assistance. Intelligent Speed Assist: speed limit sign recognition, in-cab display and overtaking warning.  
Power mode inhibited after passing the 'hard spot' of the accelerator pedal  
Without Eco Off switch



**ELECTRONIC EQUIPMENT:**

Multilingual display  
SAE cab socket for vehicle data extraction  
*Load per axle indicator*  
*FMS Gateway fleet management interface*  
Assistance button for geolocation via the 24/7 platform  
4G TGW3 telematics unit (telematic gateway) including an antenna and enabling subscription to Optifleet services (Map, Check, Drive) - Auto activation.  
TELENOR SIM card  
Driver Alert System (DAS) and Lane Departure Warning System (LDWS)



Side radar for covering both sides of the truck  
*Forward Collision Warning System with Advanced Emergency Braking System (AEBS) and Adaptive Cruise Control (ACC)*

## ELECTRICAL EQUIPMENT

Batteries located in the rear overhang  
210 Ah AGM batteries  
Maintenance-free batteries  
Battery cut-out remote control  
Electrical circuit automatically goes to standby  
Battery charge indicator  
Alternator : 180 amp capacity.  
No protection on rear lights  
*LED rear signalling and lighting (EEC standard e2 10113)*

## CHASSIS

Chassis protective paintwork, mineral grey colour  
technical code: 03650  
Removable front towing cap.  
Front under-run protection.  
Transmission crossmember Reinforced  
Closing cross member with pre-drilling for towing yoke  
Manual sliding medium fifth wheel mounting H=50 mm  
Sheet metal Fontaine SP150 (sheet metal) 2" fifth wheel, D 150 kN  
Fifth wheel position: Y = 550 mm  
*Reinforced chassis guard rail*  
*Painting of exhaust in cab colour*  
*Extended rear platform.*  
Extension de passage de roue  
Compact road air filtration  
Rear wings with anti-spray  
Wings fitted in standard position.  
Side exhaust.

## BUMPER - STEPS AND LIGHTING

Plastic bumper with integral spoiler  
Retractable windscreen access step in radiator grille  
Access to driving position by 4 steps  
Step lighting.  
*Metallic door sills*  
*BUMPER CORNERS, CENTER, AND STEPS PAINTED IN CAB COLOR*  
*Automatic windscreen wiping with rain sensor*  
*Automatic lights according to luminosity and automatic selection of main or dipped beam headlights*  
LED day running lights  
*Provision for lighting rail on roof*  
White LED work light (850 lm)  
Front fog lights.  
Fixed Bending Lights  
LED headlights comprising 2 modules of 5 cells:  
- 1 module with three cells for main beam (1450 lumen)  
- 1 module with two cells for dipped beam (700 lumen)

## GEARBOX RATIOS

1	2	3	4	5	6	7	8	9	10	11	12
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Indicators and daytime running lights are managed by a high brightness two-tone LED strip light  
Roof beacon pre-equipment  
*Integrated headlamp washer*

## SUSPENSION

### Front suspension

2-leaf front leaf springs  
Front anti-roll bar.

### Rear suspension:

Air suspension  
*Rear stabiliser bar.*  
Suspension remote control (2 channels).

## FUEL TANK

Main aluminium tank  
Main fuel tank: 480 litres capacity D710 profile mounted on left & with access steps  
*Anti-siphoning device*  
Heavy duty sedimenter and prefilter (R90).Bleed control on dashboard.

## AdBlue

64-litre AdBlue tank.  
"D" profile, 710 mm diameter.  
Urea tank on the right

## STANDARD EQUIPMENT

*Adaptation: Pusher side fairings painted to match cab colour.*  
Tool kit.  
*Warning triangle.*  
*Reversing warning buzzer, including night switch.*

## BODYWORK

*Bodybuilder access through bulkhead*  
Orange LED side marker lights with reflector  
Interface for bodybuilder connections and BBM module (Body Builder Module)  
*Bodybuilder electrical interface on chassis*

## SERVICE

### Optifleet:

*Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 2-year prepaid subscription*  
*Optifleet Map: vehicle geolocation, geofencing and route analysis, 2-year prepaid subscription*  
*SYGIC NAVIGATION connected app +*

14.94	11.73	9.04	7.09	5.54	4.35	3.44	2.70	2.08	1.63	1.27	1.00
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*The manufacturer reserves the right to modify the specifications above without prior notice.*

*Non contractual document.*

*For further assistance please contact Product Applications at Renault Trucks UK Limited, Wedgnoek Lane ,  
Warwick , CV34 5YA Telephone +44 (0)1926 475333.*