

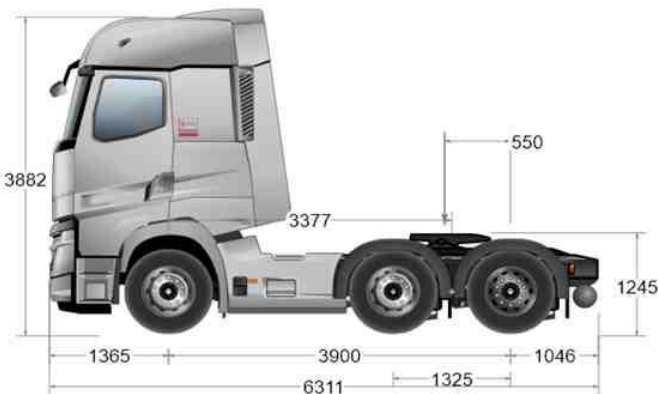
GB - RTG,54.1
Model code : 10XC036STPUS
Print date: 30/09/2024
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Prepared for :

Volvo Group UK Ltd RTUK
Show Truck

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

DVS compliance ☆☆☆☆☆ CA not considered



WEIGHTS

Wheelbase		mm	3.900
Maximum Weight (registered)	Total (GVW)	Kg	23400
Payload	(C)	Kg	14525
Kerb Weight	total	Kg	8875
Chassis cab kerb weight	Front axles (Liftable axle down)	Kg	5608
	Rear axles (Liftable axle down)	Kg	3267
Maximum Weight (registered)	Front axle 1	Kg	8000
	rear axle 1	Kg	7500
	rear axle 2	Kg	11500
Maximum Weight (technical)	total (CoC: 16.1.)	Kg	27000
	front axles (CoC: 16.3.)	Kg	8000
	rear axles (CoC: 16.3.)	Kg	19000

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
Technical wheelbase	(F' / BEP L015)	mm	3377



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Axle Spacing	Axle 2-3 (BEP L012.2)	mm	1325
Rear overhang	Chassis, overall (BEP L017)	mm	1046
Overall Chassis Length	(A / BEP L001)	mm	6311

HEIGHTS

Wheelbase		mm	3.900
Cab height (unladen)	(O)	mm	3882
Max. exterior height unladen	(BEP H001)	mm	3970
Side member height	(BEP H032)	mm	300
Ground clearance, laden	Front (U1 / BEP H015)	mm	229
	Rear (U3 / BEP H016)	mm	215
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	992
	Laden (H1 / BEP H036)	mm	937
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	973
	Laden (H2 / BEP H038)	mm	952

TOWING DEVICE

Wheelbase		mm	3.900
Swept Swing Clearance	(BEP L078)	mm	
Fifth wheel height from ground	Unladen (BEP H076)	mm	1245
	Laden (BEP H078)	mm	1219
Fifth wheel position	Manufacturer's recommendation (Y / BEP L076)	mm	550
	Min. (Ymin / BEP L077)	mm	550
	Intermediate 1	mm	500
	Intermediate 2	mm	450
	Max. (Ymax / BEP L075)	mm	1100

WIDTHS

Wheelbase		mm	3.900
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	2350
	Rear axle 2 (V5 / BEP W003.3)	mm	2518
Track	Front (V1 / BEP W013.1)	mm	2043
	Rear 1 (V2 / BEP W013.2)	mm	2038
	Rear 2 (V4 / BEP W013.2)	mm	1854

OTHER

Wheelbase		mm	3.900
Side member thickness	(BEP W034)	mm	7
Turning Radius	kerb to kerb	mm	6206
	Overall (BEP W012)	mm	6900



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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

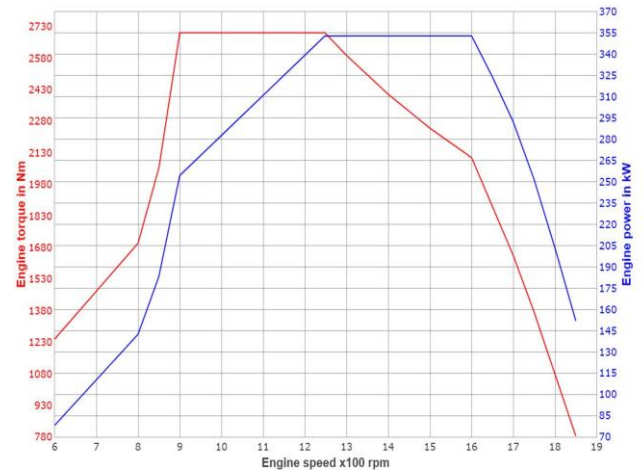
EEC EURO VI pollution control level

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



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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
Adaptation: "Forced parking brake if driver's door is open at a speed below 3 km/h"
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

Adaptation: additional mechanical door locking - improved security when sleeping in the cab overnight.

WHEELS AND TYRES

Dimension 315/70 R22.5
 Continental EFFICIENT PRO S+ / D+
Alcoa Dura-Bright aluminium wheels.
 ISO_11992 compatible tyre pressure monitoring system
Chrome wheel nut protectors with chrome wheel nut caps
 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 cataphoretic paint treatment.
Cab paint colour: Grey metallic
technical code: 04645
 Red badge
 Aerodynamic dirt deflectors on the headlamps
Adaptation: cab colour paint on front wings + exterior side of rear wing sections (front axle) Index F20
 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
No external sun visor
 Tinted, laminated windscreen.



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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

Closed storage compartments (cab rear): 3 storage compartments equipped with lighting and vertically sliding doors, 24 V power socket inside the centre storage compartment

Total volume: 221 L: 81 L for right-hand and left-hand sides, 59 L for the centre compartment.

XL drawer + bottle holder (1.5 L bottle) + waste bin (3.2 L)

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.



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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

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

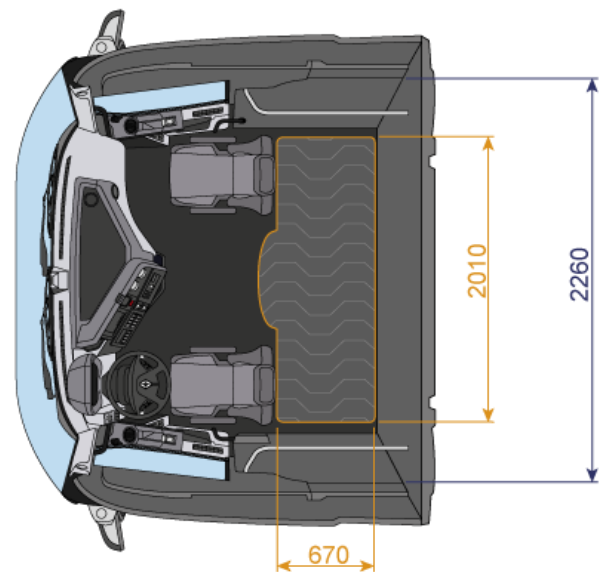
Customer adjustable overspeed downhill

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

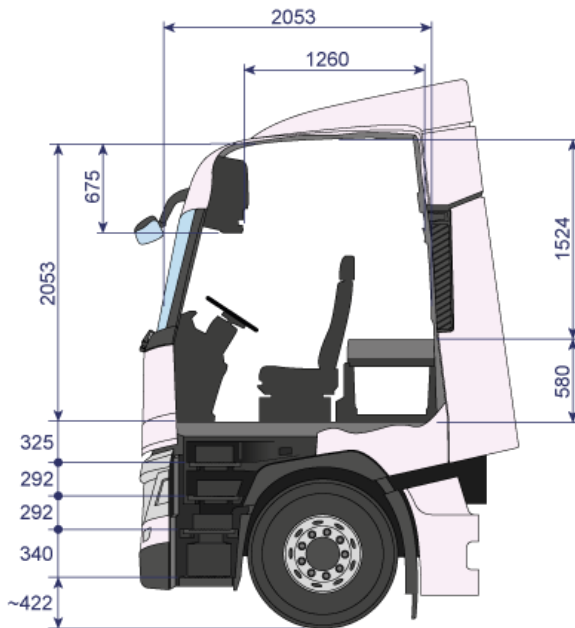


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ELECTRONIC EQUIPMENT:

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 TGV3 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
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
Pi insert painted 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.
Adaptation: Installation of Hatcher side fairings in Ekla white (670S3)

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)
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 air suspension" adaptation
Front anti-roll bar.



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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***GEARBOX RATIOS**

R1	R2	R3	1	2	3	4	5	6	7	8	9	10	11	12
17.49	13.73	4.02	14.94	11.73	9.04	7.09	5.54	4.35	3.44	2.70	2.08	1.63	1.27	1.00

*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, Wedgnock Lane , Warwick , CV34 5YA Telephone+44 (0)1926 475333.*

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