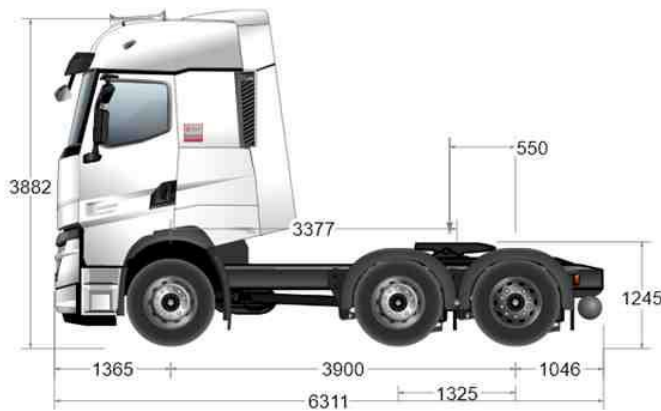


GB - RTG,53.1
 Model code : 10XC036STPUS
 Print date: 13/06/2024
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 Grid Number: 8245977 from 13/06/2024

Prepared for :

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

RENAULT TRUCKS



WEIGHTS

Wheelbase		mm	3.900
Maximum Weight (registered)	Total (GVW)	Kg	23400
Payload	(C)	Kg	14788
Kerb Weight	total	Kg	8612
Chassis cab kerb weight	Front axles (Liftable axle down)	Kg	5407
	Rear axles (Liftable axle down)	Kg	3205
Maximum Weight (registered)	Front axle 1	Kg	7500
	rear axle 1	Kg	7500
	rear axle 2	Kg	11500
Maximum Weight (technical)	total (CoC: 16.1.)	Kg	26500
	front axles (CoC: 16.3.)	Kg	7500
	rear axles (CoC: 16.3.)	Kg	19000

This table includes the weights of the RENAULT TRUCKS options: full urea 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



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Technical wheelbase	(F' / BEP L015)	mm	3377
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	3971
Side member height	(BEP H032)	mm	300
Ground clearance, laden	Front (U1 / BEP H015)	mm	231
	Rear (U3 / BEP H016)	mm	215
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	992
	Laden (H1 / BEP H036)	mm	939
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	1220
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

Max. power output: 390 kW between 1431 and 1700 rpm

Max. torque: 2550 Nm from 990 rpm to 1400 rpm

Power Output (UK): 520 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

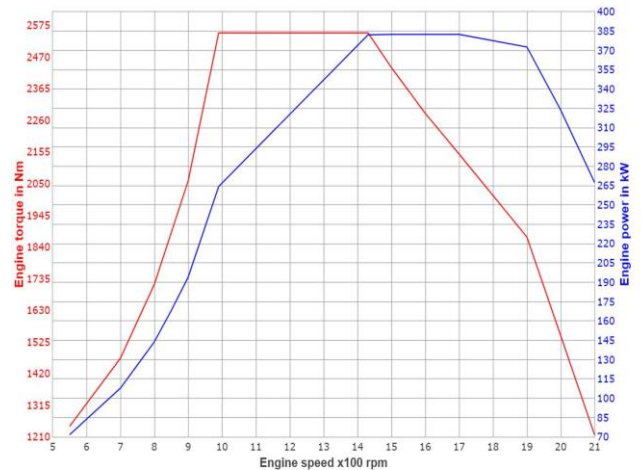
EEC EURO VI pollution control level

Compact after-treatment system (catalytic converter, DPF, SCR)

Cooling liquid

Automatic regeneration of particulate filter

Noise standard R51.03



ENGINE EQUIPMENT

Power Mode (Eco/Eco Off)

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 2612 gearbox (14.94 - 1) with automatic clutch. Aluminium housing.

Max. torque 2550 Nm, 12 forward gears and 3 reverse gears.

Steering wheel-mounted operating mode selection

(automatic/manual) via gear shift selector,

Optivision Map Based gear shift strategy for FUEL ECO (anticipation of topography and centralised data storage).

Gearbox rear intermediate housing in aluminium

Gearbox oil cooler, oil/water heat exchanger

RETARDER

OPTIBRAKE+ (power rating 340 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 20.0

Driving on the left

FRONT AXLE

Maintenance-free axle with pivots

Load capacity (technical max.) Front axle: 7.5 t.

Transmission aux roues avant par cardans.

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.
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

WHEELS AND TYRES

Dimension 315/70 R22.5
B. DURAVIS R-STEER 02 / R-DRIVE 02 profile
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

Pont arrière P13170-F à simple réduction. Charge à l'essieu 13T, capacité 44T. Réducteur final de type hypoïde
Integral differential lock
Rear loading capacity (technical max.): 19 t
Rear load 7.5t - 11.5t
Drive axle ratio: 2.47
Engine speed at 90 km/h: 1198 rpm

CAB

Cab exterior:

High Sleeper cab
All steel Cab, electro-zinc plated and cathophoretic paint treatment.
Cab paint colour: White ekla
technical code: 09350
Customer adaptation: Cup Holder
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
2 heated, remote control rear view mirrors.
2 wide angle rearview mirrors.
Side view using mirrors only
Kerb view mirror.
Rear view mirrors for bodywork up to 2.55 m wide
Fold-back front view mirror
Twin air horns - roof mounted.
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.



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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

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 and 5 digital connections available

TV aerial pre-equipment

DTCO 4.1 digital tachograph

Offset 24 V socket

Electrically operated roof hatch with controls at the driver's position and in the bunk area

Mosquito net on air vent

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

Blower

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 around 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



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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)

Electronically regulated comfort air conditioning with compressor optimisation

Cab air filtration

No air-conditioning while parked

Handbook and Service pack in English.

4 loudspeakers and 2 tweeters

Steering wheel equipment:

Ultimate leather steering wheel

OPTIDRIVER control

OPTIBRAKE and retarder control on right-hand side

3-way adjustable steering column

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

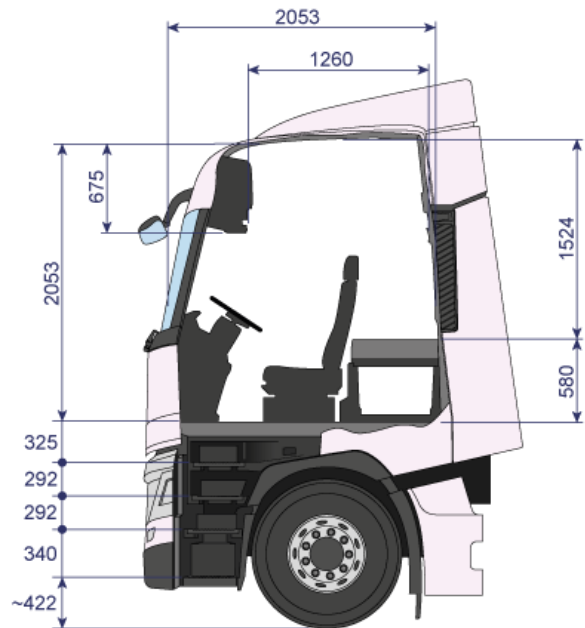
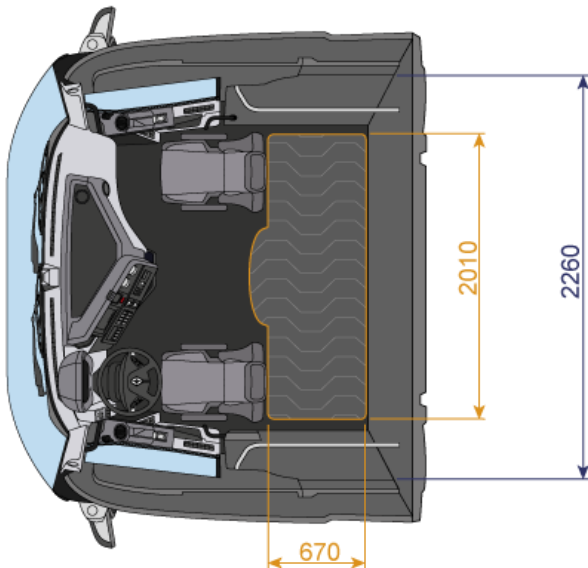
Customer adjustable overspeed downhill

ECO Cruise control with Optiroll

Aide à la vitesse intelligente. : reconnaissance des panneaux de limitation de vitesse, affichage en cabine et avertissement de dépassement.

Power Mode (Eco/Eco Off)

With Eco Off switch



ELECTRONIC EQUIPMENT:

Multilingual display

SAE cab socket for vehicle data extraction

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

No protection on rear lights

LED rear signalling and lighting (EEC standard e2 10113)



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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 and automatic
illumination of lights
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 anti-roll bar.

Rear suspension:

Air suspension
Suspension remote control (2 channels).

FUEL TANK

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

AdBlue

64-litre AdBlue tank.
"D" profile, 560 mm diameter.
Urea tank on the right

STANDARD EQUIPMENT

Tool kit.
Reversing warning buzzer, including night switch.

BODYWORK

Orange LED side marker lights with reflector
Interface for bodybuilder connections and BBM module (Body
Builder Module)

SERVICE

SYGIC NAVIGATION connected app +

SPECIAL OPTIONS

PDI & Factory Delivery

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 ,
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