

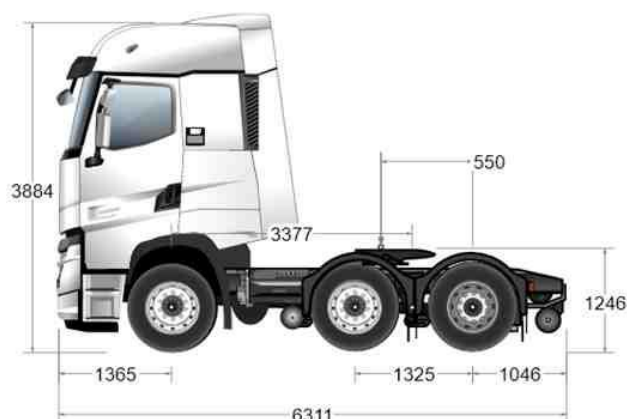
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Prepared for :

Renault Trucks UK

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	14600
Kerb Weight	total	Kg	8800
Chassis cab kerb weight	Front axles (Liftable axle down)	Kg	5517
	Rear axles (Liftable axle down)	Kg	3283
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 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
Technical wheelbase	(F' / BEP L015)	mm	3377
Axle Spacing	Axle 2-3 (BEP L012.2)	mm	1325



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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	3884
Max. exterior height unladen	(BEP H001)	mm	3973
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	994
	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	1246
	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

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

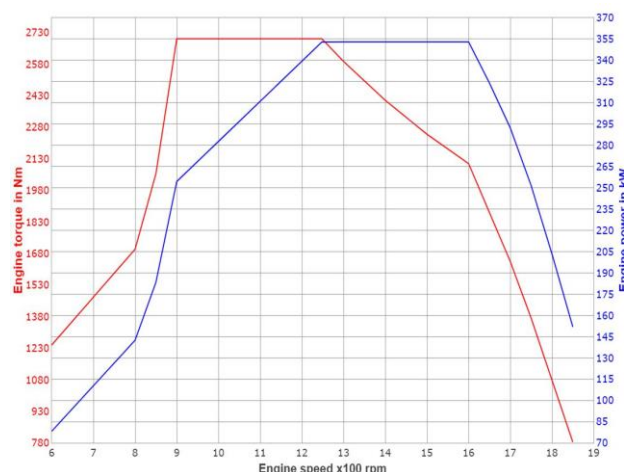
EEC EURO VI pollution control level

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 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 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 26.2:1 - Steering wheel diameter 460 mm

Driving on the left

FRONT AXLE

Axle with zero-maintenance steering knuckles

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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WHEELS AND TYRES

Dimension 315/70 R22.5
 Profile B.ECOPIA H-STEER 002 / H-DRIVE 002
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

Single reduction axle 13170-ER with reinforced differential.
 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

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

Adaptation: Fitting of "side markers flashing" system. Allows the vehicle to be seen when manoeuvring. As soon as the indicator is activated (or the hazard warning lights) in addition to the indicator repeaters, all the side lights flash along the entire length of the vehicle.

CAB

Cab exterior:

High Sleeper cab
 All steel Cab, electro-zinc plated and cataphoretic paint treatment.
 Cab paint colour: White ekla
 technical code: 09350
Door mirror shells colour-coded to cab paint colour
Plaque d'identification noire avec marquage Turbo Compound
 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.
 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.



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Cab interior:

Cab interior finish - Anthracite
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
- 7" colour multimedia touchscreen
Pre-equipment for cameras
TV aerial pre-equipment
DTCO digital tachograph
Without tachograph calibration
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
Top bunk convertible to shelf with ladder, size 1958 x 650 mm
Mattress topper (memory foam)
Removable back rest
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 insulation around the cab and bunk separation
Articulated LED lamps in bunk area
Remote control for comfort functions in bunk area with integrated display



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12 V & 5 V socket (bunk)

Electrical facility for powering a microwave or coffee machine (connector + relay + 50 A fuse) located on the left side B pillar.

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

One-touch electric windows

4kW 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

No air-conditioning while parked

Handbook and Service pack in English.

4 loudspeakers and 2 tweeters

Fire extinguisher 3kg

Steering wheel equipment:

Ultimate leather steering wheel

OPTIDRIVER control

OPTIBRAKE and retarder control on right-hand side

3-way adjustable steering column

ROADPAD+:

- HGV-specific TOM TOM navigation system

- FM and DAB+ radio

- USB port and jack socket

- dual Bluetooth connection

Instrument panel:

COMPACT dashboard

7" HD colour information display

Speedometer in miles

12 V + 24 V socket on dashboard, for accessories.

Starting inhibitor controlled by transponder key.

Start button

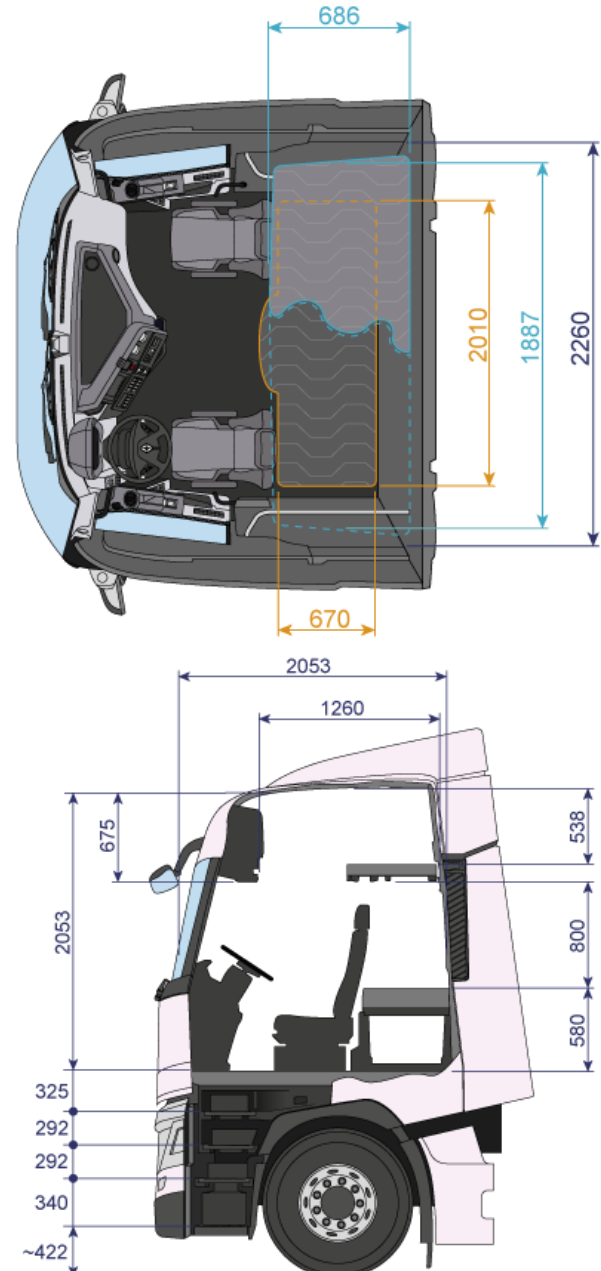
3rd ignition key

Customer speed +5 km/h downhill

ECO cruise control with Optiroll and Smart Torque.

Power mode inhibited after passing the 'hard spot' of the accelerator pedal

Without Eco Off switch



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ELECTRONIC EQUIPMENT:

English and French language display
Additional language (Polish)
 SAE cab socket for vehicle data extraction
FMS Gateway fleet management interface 3.0
 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)
 TELENOR SIM card
Driver Alert System (DAS) and Lane Departure Warning System (LDWS)
Electrical pre-arrangement for safety system (LDWS: lane departure warning system, alcolock, cameras)
 Advanced emergency braking system (AEBS)

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 : 150 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 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 air suspension" adaptation
 Stabiliser bar

Rear suspension:

Air suspension
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
 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.



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BODYWORK*Provision for rear loading lighting*

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

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



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