

Model code : UKM_10XC036STPUS
 Print date: 08/11/2022
 Last updated: 08/11/2022

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	14648
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	8752
Chassis cab kerb weight	Front Axle 1	Kg	5573.00
	Rear Axle 1	Kg	1255.00
	Rear Axle 2	Kg	1924.00
	Front axles (Liftable axle down)	Kg	5573
	Rear axles (Liftable axle down)	Kg	3179
	Front axles (Liftable axle up)	Kg	5924.00
	Rear axles (Liftable axle up)	Kg	2753.00
Total vehicle weight under full load at YMIN	Front axle(s)	Kg	
	Rear axle(s)	Kg	
Total vehicle weight under full load at YMAX	Front axle(s)	Kg	
	Rear axle(s)	Kg	

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
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	1237.00
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) Rear (U3 / BEP H016)	mm	192 215
Max. exterior height unladen	(BEP H001)	mm	3935
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	4538.00
Cab height (unladen)	(O)	mm	3846
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	303.00
	Laden (H0 / BEP H18)	mm	297.00
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	956.00
	Laden (H1 / BEP H036)	mm	946.00
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	973
	Laden (H2 / BEP H038)	mm	952
Frame top height at the rear of the frame	Unladen (HN)	mm	977.00
	Laden (HN)	mm	953.00
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	933.00
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	1240
	Laden (BEP H078)	mm	1221
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	2209.00
Gross Vehicle Weight, load on rear axle(s)	at YMAX	Kg	21191.00
King Pin Load	at YMAX	Kg	14648.00
King Pin Load on Front Axle(s)	at YMAX	Kg	-3364.00
King Pin Load on RearAxle(s)	at YMAX	Kg	18012.00
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	-1391.00
Gross Vehicle Weight, load on rear axle(s)	at YMIN	Kg	24791.00
King Pin Load	at YMIN	Kg	14648.00
King Pin Load on Front Axle(s)	at YMIN	Kg	-6964.00
King Pin Load on RearAxle(s)	at YMIN	Kg	21612.00
Fifth wheel position	Manufacturer's recommendation (Y / BEP L076)	mm	550
Gross Vehicle Weight	in fifth wheel position recommended by manufacturer	Kg	23654.00
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	15654.00



King Pin Load	in fifth wheel position recommended by manufacturer	Kg	14902.00
King Pin Load on Front Axle(s)	in fifth wheel position recommended by manufacturer	Kg	2427.00
King Pin Load on RearAxle(s)	in fifth wheel position recommended by manufacturer	Kg	12475.00
Fifth wheel position	Intermediate 1	mm	500.00
Gross Vehicle Weight	in intermediate fifth wheel position 1	Kg	25144.00
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 1	Kg	8000.00
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 1	Kg	17144.00
King Pin Load	in intermediate fifth wheel position 1	Kg	16392.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 1	Kg	2427.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 1	Kg	13965.00
Fifth wheel position	Intermediate 2	mm	450.00
Gross Vehicle Weight	in intermediate fifth wheel position 2	Kg	26965.00
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 2	Kg	8000.00
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 2	Kg	18965.00
King Pin Load	in intermediate fifth wheel position 2	Kg	18213.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 2	Kg	2427.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 2	Kg	15786.00
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	2960.00
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	2490
	Rear axle 2 (V5 / BEP W003.3)	mm	2518.00
Track	Front (V1 / BEP W013.1)	mm	2109
	Rear 1 (V2 / BEP W013.2)	mm	2104
	Rear 2 (V4 / BEP W013.2)	mm	1854.00

OTHER

Wheelbase		mm	3.900
Approach angle	(BEP H010)	°	11
Ramp angle	(BEP H012)	°	20.80
Departure angle	(BEP H011)	°	17.70
Side member thickness	(BEP W034)	mm	7.00
Turning Radius	Overall (BEP W012)	mm	6900.00
	kerb to kerb	mm	6243.00
	interior	mm	2633.00

13 ENGINE

Max. power output: 360 kW between 1250 and 1600 rpm

Max. torque: 2700 Nm from 900 rpm to 1250 rpm

OPTIBRAKE+ (power: 430 kW at 2300 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

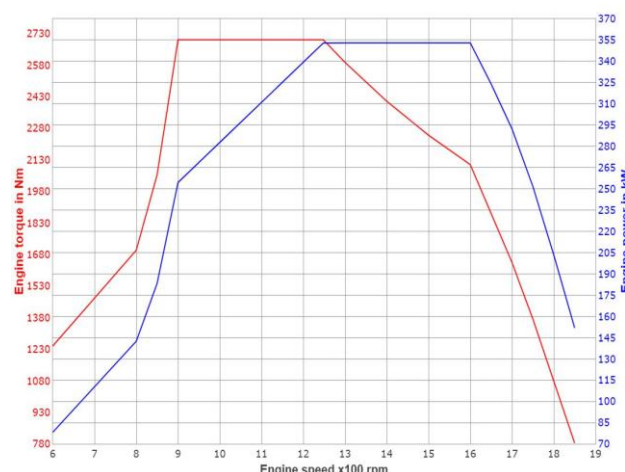
EEC EURO VI pollution control level

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

Cooling liquid

Automatic regeneration of particulate filter





Steering ratio 20:1 - Steering wheel diameter 460 mm
Driving on the left

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 382 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

Hydraulic power steering, electronically controlled variable flow pump.

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

WHEELS AND TYRES

Dimension 385/55 + 385/55 + 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

P13170-ER single reduction final drive axle

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: 1148 rpm

Service brake:

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 orientation of air hoses
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

Brake adjustment:

Automatic brake lining slack compensation.

Emergency brake:

Ensured by independence of main device circuits

CAB

Cab exterior:

High Sleeper cab
All steel Cab, electro-zinc plated and cathaphoretic paint treatment.
Cab paint colour: Grey metallic "Frisch" technical code: 03609
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
Twin air horns - roof mounted.
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:

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 and manual blind on driver's side window
- 7" colour multimedia touchscreen
Pre-equipment for cameras
TV aerial pre-equipment
DTCO 4.0 digital chronotachograph
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 adjustable height setting
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 bottom bunk, 2018 length, 670 mm width (790 mm between both seats), mattress thickness 170 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 and on the dashboard
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)

Provision for 50A max. electrical power supply

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

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, washable filter

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:

PANORAMIC dashboard

7" HD colour information display

Speedometer in miles

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

Starting inhibitor controlled by transponder key.

3rd ignition key

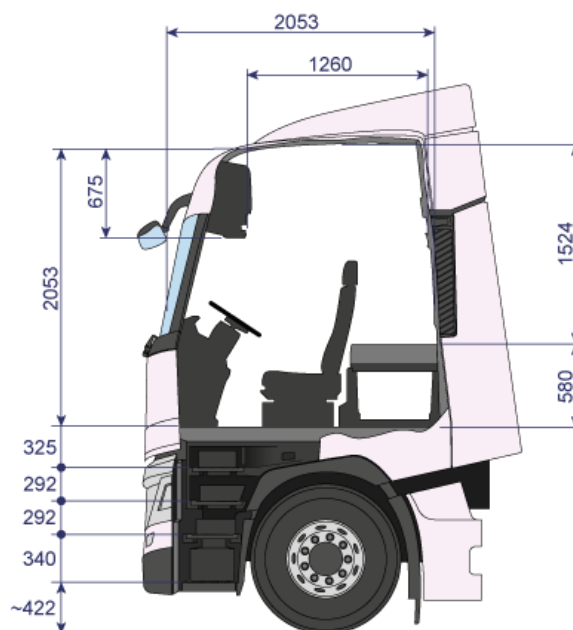
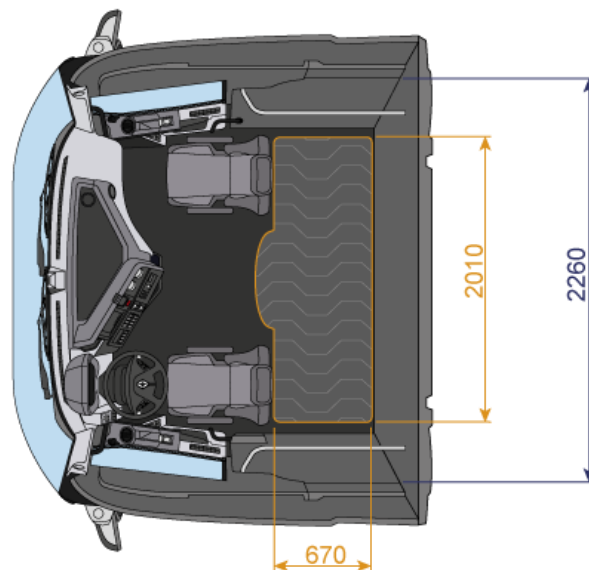
Start button

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



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 TGW3 telematics unit (telematic gateway) including an antenna and enabling subscription to Optifleet services (Map, Check, Drive)

Lane Departure Warning System (LDWS)



*Electrical pre-arrangement for safety system (LDWS: lane departure warning system, alcolock, cameras)
Adaptive cruise control (ACC) linked to advanced emergency braking system (AEBS)*

ELECTRICAL EQUIPMENT

Batteries located in the rear overhang
Two 12 V, 210 Ah, 800 A gel batteries
Maintenance-free batteries
Battery cut-out remote control
Electrical circuit automatically goes to standby
Battery charge indicator
Alternator : 150 amp capacity.
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
*Painting of exhaust in cab colour
Extended rear platform.*
Extension de passage de roue
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*
Lighting adjustment
LED day running lights
Provision for lighting rail on roof
White LED work light (850 lm)
Front fog lights.
Fixed Bending Lights
LED lights
Roof beacon pre-equipment

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

*The manufacturer reserves the right to modify the specifications above without prior notice.
Non contractual document.*

Integrated headlamp washer

SUSPENSION

Front suspension

2-leaf front leaf springs
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.

BODYWORK

*Bodybuilder access through bulkhead
Provision for rear loading lighting*
Orange LED side marker lights with reflector
Interface for bodybuilder connections and BBM module (Body Builder Module)

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



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