

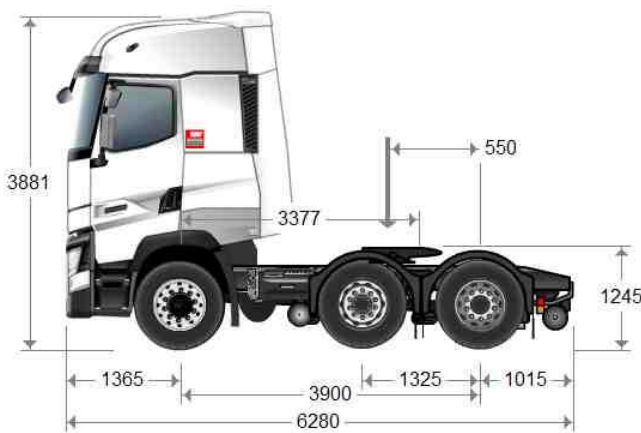
Model code : UKM\_10XC036PUS08  
Print date: 11/04/2018  
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Prepared for :

**T 520.26 HIGHCAB 6X2 TML E6 (LHD) - GVW 26.00 T / GCW 44.00 T**

**RENAULT TRUCKS**

**T HIGH 520**



**WEIGHTS**

Wheelbase		mm	3.900
Maximum Weight (registered)	Total (GVW)	Kg	26000
Payload	(C)	Kg	17436
Maximum Weight (registered)	Front axle 1	Kg	7500.00
	rear axle 1	Kg	7500
	rear axle 2	Kg	11500
Min. weight complete vehicle unladen Kerb Weight	Front axle(s)	Kg	7133.00
	total	Kg	8564
Chassis cab kerb weight	Front Axle 1	Kg	5454.00
	Rear Axle 1	Kg	1228.00
	Rear Axle 2	Kg	1882.00
	Front axles (Liftable axle down)	Kg	5454
	Rear axles (Liftable axle down)	Kg	3110
	Front axles (Liftable axle up)	Kg	5796.00
Total vehicle weight under full load at YMIN	Rear axles (Liftable axle up)	Kg	2693.00
	Front axle(s)	Kg	
Total vehicle weight under full load at YMAX	Rear axle(s)	Kg	
	Front axle(s)	Kg	
	Rear axle(s)	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)



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)

## 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	mm	1015
Centre of Gravity of vehicle	at X (BEP L044)	mm	1237.00
Technical wheelbase	(F' / BEP L015)	mm	3377
Overall Chassis Length	(A / BEP L032+L016)	mm	6280

## HEIGHTS

Wheelbase		mm	3.900
Ground clearance, laden	Front (U1 / BEP H015)	mm	231
	Rear (U3 / BEP H016)	mm	215
Max. exterior height unladen	(BEP H001)	mm	3970
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	4573.00
Cab height (unladen)	(O)	mm	3881
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	350.00
	Laden (H0 / BEP H18)	mm	288.00
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	991.00
	Laden (H1 / BEP H036)	mm	939.00
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	968.00
	Laden (HN)	mm	955.00
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	931.00
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	1245
	Laden (BEP H078)	mm	1220
Swept Swing Clearance	(BEP L078)	mm	
Fifth wheel position	Max. (Ymax / BEP L075)	mm	1100
Gross Vehicle Weight	at YMAX	Kg	26000.00
Gross Vehicle Weight, load on front axle(s)	at YMAX	Kg	7500.00
Gross Vehicle Weight, load on rear axle(s)	at YMAX	Kg	18500.00
King Pin Load	at YMAX	Kg	17436.00
King Pin Load on Front Axle(s)	at YMAX	Kg	2046.00
King Pin Load on RearAxle(s)	at YMAX	Kg	15390.00
Fifth wheel position	Min. (Ymin / BEP L077)	mm	550
Gross Vehicle Weight	at YMIN	Kg	26000.00
Gross Vehicle Weight, load on front axle(s)	at YMIN	Kg	7000.00
Gross Vehicle Weight, load on rear axle(s)	at YMIN	Kg	19000.00
King Pin Load	at YMIN	Kg	17436.00
King Pin Load on Front Axle(s)	at YMIN	Kg	1546.00
King Pin Load on RearAxle(s)	at YMIN	Kg	15890.00

Fifth wheel position	Manufacturer's recommendation (Y / BEP L076)	mm	550
Gross Vehicle Weight	in fifth wheel position recommended by manufacturer	Kg	21126.00
Gross Vehicle Weight, load on front axle(s)	in fifth wheel position recommended by manufacturer	Kg	7500.00
Gross Vehicle Weight, load on rear axle(s)	in fifth wheel position recommended by manufacturer	Kg	13626.00
King Pin Load	in fifth wheel position recommended by manufacturer	Kg	12562.00
King Pin Load on Front Axle(s)	in fifth wheel position recommended by manufacturer	Kg	2046.00
King Pin Load on RearAxle(s)	in fifth wheel position recommended by manufacturer	Kg	10516.00
Fifth wheel position	Intermediate 1	mm	500.00
Gross Vehicle Weight	in intermediate fifth wheel position 1	Kg	22383.00
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 1	Kg	7500.00
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 1	Kg	14883.00
King Pin Load	in intermediate fifth wheel position 1	Kg	13819.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 1	Kg	2046.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 1	Kg	11773.00
Fifth wheel position	Intermediate 2	mm	450.00
Gross Vehicle Weight	in intermediate fifth wheel position 2	Kg	23918.00
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 2	Kg	7500.00
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 2	Kg	16418.00
King Pin Load	in intermediate fifth wheel position 2	Kg	15354.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 2	Kg	2046.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 2	Kg	13308.00
Sliding fifth wheel	front fork	mm	4.71
	rear yoke	mm	4.22

## WIDTHS

<b>Wheelbase</b>		<b>mm</b>	<b>3.900</b>
Max exterior cab width with rear view mirrors open	(BEP W001)	mm	2534.00
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 W003.1)	mm	2350
	Rear axle 2 (V5 / BEP W003.3)	mm	2518.00
Track	Front (V1 / BEP W013.1)	mm	2043
	Rear 1 (V2 / BEP W013.2)	mm	2038
	Rear 2 (V4 / BEP W013.2)	mm	1854.00

## OTHER

<b>Wheelbase</b>		<b>mm</b>	<b>3.900</b>
Approach angle	(BEP H010)	°	14
Ramp angle	(BEP H012)	°	20.90
Departure angle	(BEP H011)	°	17.00
Side member thickness	(BEP W034)	mm	7.00
Turning Radius	Overall (BEP W012)	mm	6900.00
	kerb to kerb	mm	6206.00
	interior	mm	2773.00

## DTI 13 ENGINE

**Max. power: 382 kW from 1430 to 1800 rpm**

**Max. torque: 2550 Nm from 1000 rpm to 1430 rpm**

Power output (UK): 512 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

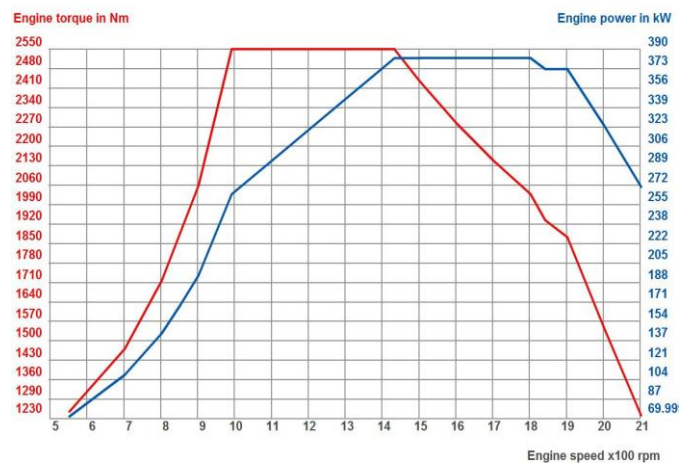
Direction of rotation (seen from gearbox end): anti-clockwise

EEC EURO VI pollution control level

Compact post-treatment system (7th injector, catalytic converter, DPF, SCR)

Automatic regeneration of particulate filter

Soundproofing level complies with EEC standards (80dB)



## 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).

## GEARBOX

Optidriver gearbox AT 2612F (14.94 - 1) automated clutch.

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

Choice of mode of use on steering wheel (automatic/manual)

Steering wheel mounted gear selector.

*Optivision gear shifting strategy optimised for FUEL ECO*

*(Based on previously covered topography and from centralised data storage).*

## RETARDER

OPTIBRAKE+ (power rating 382 kW at 2300 rpm):

combination of the exhaust brake and valve compression braking, coupled to service brake

## POWER TAKE-OFFS

Without gearbox mounted PTO

## STEERING

*Hydraulic power steering, variable flow pump*

Steering ratio 20:1 - Steering wheel diameter 460 mm

Driving on the left

## FRONT AXLE

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

## CLUTCH

Single-plate clutch, diameter 430 mm

## 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

## REAR DRIVE AXLE

P13170-D single reduction final drive axle

Without differential lock.

Rear loading capacity (technical max.): 19 t

Rear load 7.5t - 11.5t

Drive axle ratio: 2.64

Engine speed at 90 km/h: 1280 rpm

## WHEELS AND TYRES

Dimension 315/70 R22.5

Profile C. ECOPLUS HS3-XL/HD3

*Alcoa Dura-Bright aluminium wheels.*

*ISO 11992 compatible tyre pressure monitoring system*

Front wheel trims

Without spare wheel.

## BRAKING

### Service brake:

Braking system with two independent circuits

Ventilated disc brakes

*Stop lights emergency lighting*



Electronic management of air production by EACU (Electronic Air Control Unit):

Dryer cartridge optimised by preventive maintenance.

Twin-cylinder air compressor 900 l/min, 636 cm<sup>3</sup>

*Disengageable air compressor*

Two line trailer braking system (ISO connections).

Additional electrical lead with one 15-pin connector to two 7-pin connectors (2x7)

*Trailer brake device at cab rear, in aluminium*

### **EBS:**

Anti-lock braking system (ABS).

Anti-slip regulation (ASR).

Drag torque control (Torque control during downshifting).

Brake harmonisation of tractor and trailer (if equipped)

(Disc) brake pad wear compensation

Retarder and service brake linking

Differential engagement management (if equipped) at speeds <10 km/h (4x2)

Hill Start Aid

Braking performance warning

ESC (Electronic Stability Control) trajectory control and anti-rollover system

Coupling traction test

Emergency brake assist (EBA)

Emergency brake lights (EBL)

### **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:**

All steel Cab, electro-zinc plated and cathophoretic paint treatment.

High Sleeper cab

Silver front face finish

Cab paint colour fog lamp trims

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

Rearview mirrors silver finish

Air horn

Spray suppression on front wings

*Fixed roof deflector*

*Side deflectors (left-hand opening panel)*

Door extensions

Cab accessories: cab colour

External sun visor.

Tinted, laminated windscreen.

*Cab paint colour: YELLOW RAL 1021.*

### **Cab interior:**

Ultimate Alu finish

Ultimate roof console, luxury head lining, 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

Mono CD player, MP3/WMA format-compatible

Double tuner for immediate radio station list update

Steering column-mounted radio controls

Jack (3.5 mm) and USB inputs for MP3 player

Hands-free interface for mobile telephone (Bluetooth technology), Audio streaming, steering wheel controls, microphone in the roof console, audio playback through vehicle speakers

Information on the main information display

TV aerial pre-equipment

CB pre-equipment.

Dual CAN digital tachograph

Offset 24 V socket

Electrically operated roof hatch with controls by driver and in relaxing area.

Mosquito net on air vent

Synthetic floor mat

*Air-suspended driver's seat with fitted seat belt, adjustable lumbar support, adjustable seat cushion extension, heated seat (0-1-2), anti-perspiration ventilated seat.*

*Two driver's armrests*

Safety belt warning.

*EASY ACCESS air-suspended passenger seat*

Passenger armrest

*Leather seat trim.*

Performance lower bunk

*Ultimate upper bunk, transformable into storage with access ladder and luggage net*

Grand volume drawer under bunk

Cab interior lighting management rotary control

(Activity/Rest/Night driving), brightness adjustment

Reading lamps on overhead console

LED direct cab lighting

LED indirect cab lighting

Red night lighting in 3 rows on the overhead console and on the dashboard

Cab lighting time-delay.

Curtains around cab. Curtain separating driving position from rest area.

Bunk restraint.

Articulated LED lamps in bunk area

Remote control for all comfort functions in bunk area with integrated display

12 and 24 V sockets on bunk

Provision for 50A max. electrical power supply

*40L refrigerator in central storage under bench, quiet with thermostat and vehicle battery management*



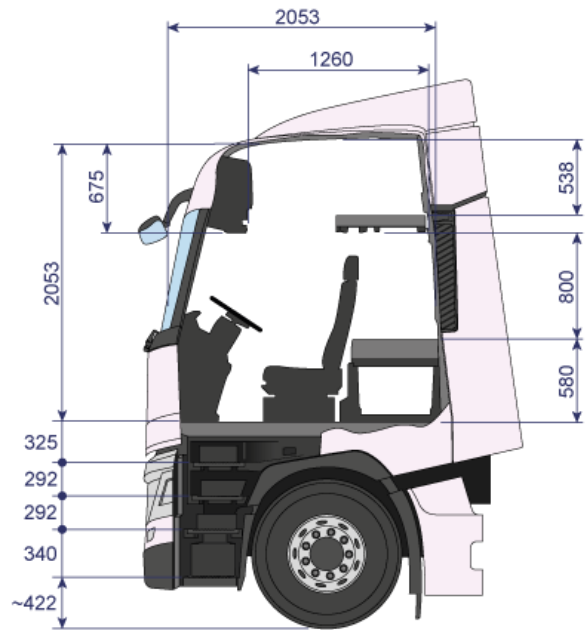
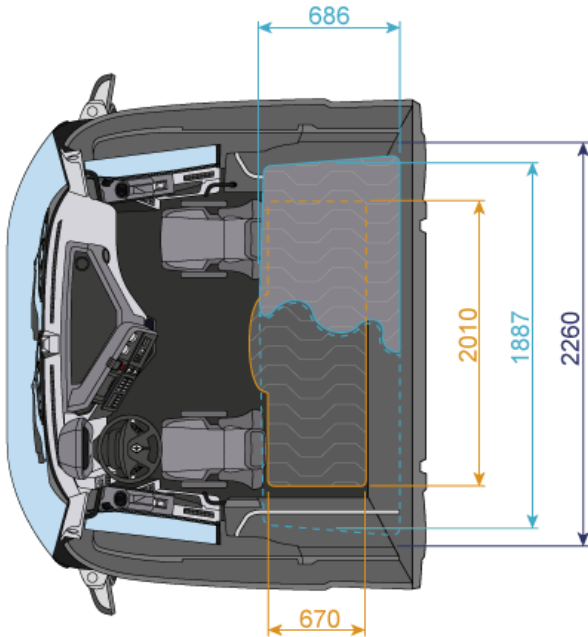
2 storage boxes under bunk, one accessible from interior and exterior  
 One-touch electric windows  
 Cab independent night heater air/air (2 kW)  
 Electronically regulated comfort air conditioning with compressor optimisation  
 Cab air filtration  
 Handbook and Service pack in English.  
 4 loudspeakers and 2 tweeters  
*Infra-red remote control for operating the radio*

**Steering wheel equipment:**

Ultimate leather steering wheel with cruise control and telephone control  
 OPTIDRIVER control  
 OPTIBRAKE and retarder control on right-hand side  
 Easy Access steering column adjustable in 3 directions  
 Removable writing board on steering wheel

**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.  
 Remote control central door locking with folding key  
*Two additional ignition keys*  
*ECO Cruise control with Optiroll*



**ELECTRONIC EQUIPMENT:**

SAE cab socket for vehicle data extraction (Optifuel Infomax).  
*Telematics pre-equipment including TGW (Telematics Gateway) - version 3G for Optivision.*  
 Lane Departure Warning System (LDWS)  
*Adaptive cruise control (ACC) and emergency braking system*  
 English and French language display  
 Additional language (Spanish)

**ELECTRICAL EQUIPMENT**

*Two 12 V, 210 Ah, 800 A gel batteries*  
 Batteries located in the rear overhang  
 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*  
*Extended rear platform.*  
 Rear wings with anti-spray





Wings fitted in standard position.  
Side exhaust.

## BUMPER - STEPS AND LIGHTING

3-part plastic bumper  
Retractable windscreen access step in radiator grille  
Access to driving position by 4 steps  
Step lighting.  
Metallic door sills  
*Automatic windscreen wiping with rain sensor*  
*Automatic lights*  
Electrical headlamp levelling control.  
LED day running lights  
Provision for lighting rail on front end  
White LED work light  
Front fog lights.  
*Additional cornering lights*  
Halogen headlights  
Roof beacon pre-equipment  
*Electrical headlamp washer.*

## SUSPENSION

### Front suspension

2-leaf front leaf springs  
Stabiliser bar

### Rear suspension:

Air suspension  
Suspension remote control (2 channels).

## GEARBOX RATIOS

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.*

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

## FUEL TANK

Main aluminium tank  
Main fuel tank: 480 litres capacity D710 profile mounted on left & with access steps  
Sedimenter and prefilter (R60). Bleed control on dashboard.

## AdBlue

64-litre AdBlue tank (D710)  
Tank on the right

## STANDARD EQUIPMENT

Axle with zero-maintenance steering knuckles  
Tool kit.  
Warning triangle.  
*Reversing warning buzzer, including night switch.*  
Windscreen washer bottle capacity: 12L

## BODYWORK

Side marker lights.  
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

