

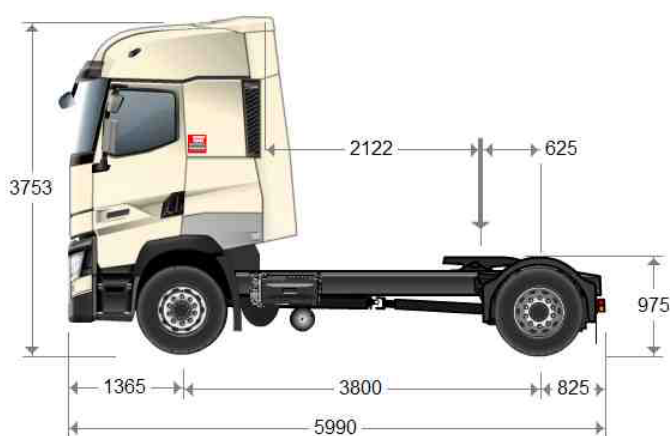
Model code : DET\_10XA036XLW06  
Print date: 24/10/2019  
Last updated: 24/10/2019

Prepared for :

## T 480.18 HIGHCAB 4X2 T X-LOW E6 (LHD) - GVW 18T / GTW 44 T

### RENAULT TRUCKS

#### T HIGH 480



### WEIGHTS

Wheelbase		mm	3.800
Maximum Weight (registered)	Total (GVW)	Kg	18000
Payload	(C)	Kg	10024
Maximum Weight (registered)	Front axle 1	Kg	6700.00
	rear axle 1	Kg	11500
Min. weight complete vehicle unladen	Front axle(s)	Kg	5772.00
Kerb Weight	total	Kg	7976
Chassis cab kerb weight	Front Axle 1	Kg	5734.00
	Rear Axle 1	Kg	2242.00
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	

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 29% 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	3.800
Front Overhang	(H / BEP L016)	mm	1365
Wheelbase	(F / BEP L011)	mm	3800



Rear overhang	Chassis	mm	825
Centre of Gravity of vehicle	at X (BEP L044)	mm	1078.00
Overall Chassis Length	(A / BEP L032+L016)	mm	5990

## HEIGHTS

Wheelbase		mm	3.800
Ground clearance, laden	Front (U1 / BEP H015)	mm	173
	Rear (U3 / BEP H016)	mm	167
Max. exterior height unladen	(BEP H001)	mm	3841
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	4445.00
Cab height (unladen)	(O)	mm	3753
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	231.00
	Laden (H0 / BEP H18)	mm	232.00
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	846.00
	Laden (H1 / BEP H036)	mm	840.00
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	801
	Laden (H2 / BEP H038)	mm	782
Frame top height at the rear of the frame	Unladen (HN)	mm	792.00
	Laden (HN)	mm	770.00
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	897.00
Side member height	(BEP H032)	mm	266.00

## TOWING DEVICE

Wheelbase		mm	3.800
Distance between the front of the vehicle and the centre of the trailer coupling device	(BEP L073 + L016)	mm	4540.00
Distance between centre of last axle to centre of coupling device		mm	
Fifth wheel height, from top of side member	(BEP H074 + H071)	mm	166.00
Fifth wheel height from ground	Unladen (BEP H076)	mm	975
	Laden (BEP H078)	mm	958
Swept Swing Clearance	(BEP L078)	mm	2122.00
Fifth wheel position	Max. (Ymax / BEP L075)	mm	850
Gross Vehicle Weight	at YMAX	Kg	18000.00
Gross Vehicle Weight, load on front axle(s)	at YMAX	Kg	6700.00
Gross Vehicle Weight, load on rear axle(s)	at YMAX	Kg	11300.00
King Pin Load	at YMAX	Kg	10024.00
King Pin Load on Front Axle(s)	at YMAX	Kg	966.00
King Pin Load on RearAxle(s)	at YMAX	Kg	9058.00
Fifth wheel position	Min. (Ymin / BEP L077)	mm	150
Gross Vehicle Weight	at YMIN	Kg	18000.00
Gross Vehicle Weight, load on front axle(s)	at YMIN	Kg	6500.00
Gross Vehicle Weight, load on rear axle(s)	at YMIN	Kg	11500.00
King Pin Load	at YMIN	Kg	10024.00
King Pin Load on Front Axle(s)	at YMIN	Kg	766.00
King Pin Load on RearAxle(s)	at YMIN	Kg	9258.00
Fifth wheel position	Manufacturer's recommendation (Y / BEP L076)	mm	625
Gross Vehicle Weight	in fifth wheel position recommended by manufacturer	Kg	13849.00
Gross Vehicle Weight, load on front axle(s)	in fifth wheel position recommended by manufacturer	Kg	6700.00
Gross Vehicle Weight, load on rear axle(s)	in fifth wheel position recommended by manufacturer	Kg	7149.00
King Pin Load	in fifth wheel position recommended by manufacturer	Kg	5873.00
King Pin Load on Front Axle(s)	in fifth wheel position recommended by manufacturer	Kg	966.00
King Pin Load on RearAxle(s)	in fifth wheel position recommended by manufacturer	Kg	4907.00
Fifth wheel position	Intermediate 1	mm	575.00
Gross Vehicle Weight	in intermediate fifth wheel position 1	Kg	14360.00



Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 1	Kg	6700.00
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 1	Kg	7660.00
King Pin Load	in intermediate fifth wheel position 1	Kg	6384.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 1	Kg	966.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 1	Kg	5418.00
Fifth wheel position	Intermediate 2	mm	525.00
Gross Vehicle Weight	in intermediate fifth wheel position 2	Kg	14968.00
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 2	Kg	6700.00
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 2	Kg	8268.00
King Pin Load	in intermediate fifth wheel position 2	Kg	6992.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 2	Kg	966.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 2	Kg	6026.00
Sliding fifth wheel	front fork	mm	
	rear yoke	mm	

**WIDTHS**

Wheelbase		mm	3.800
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	2479
Track	Front (V1 / BEP W013.1)	mm	2028
	Rear 1 (V2 / BEP W013.2)	mm	1837

**OTHER**

Wheelbase		mm	3.800
Approach angle	(BEP H010)	°	11
Ramp angle	(BEP H012)	°	12.60
Departure angle	(BEP H011)	°	16.90
Side member thickness	(BEP W034)	mm	7.00
Turning Radius	Overall (BEP W012)	mm	7550.00
	kerb to kerb	mm	6856.50
	interior	mm	3138.00

**DTI 13 ENGINE**

**Max. power: 353 kW from 1404 to 1800 rpm**

**Max. torque: 2400 Nm from 950 rpm to 1404 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

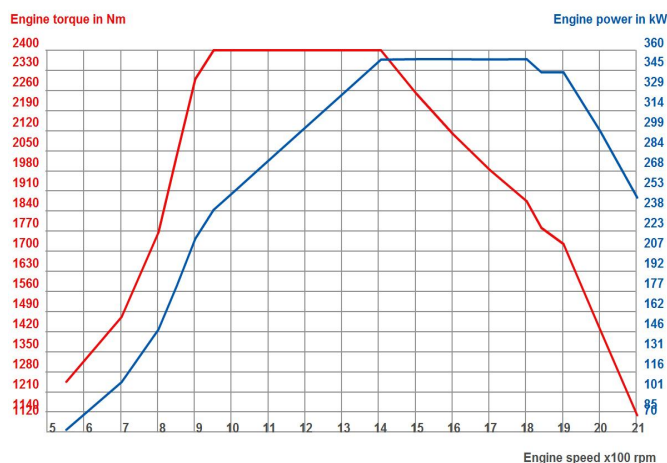
EEC EURO VI pollution control level

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

Reduction in engine power of 25% when vehicle emissions are above the legislative levels.

*Automatic particulate filter regeneration with manual control*

Soundproofing level complies with EEC standards (80dB)



**ENGINE EQUIPMENT**

Power mode is activated by passing the 'hard spot' at the end of the accelerator pedal stroke (kick down)



Complete gas recycling (closed circuit)  
*Intake air preheating cold starting device*  
Without engine Power Take Off.  
Electronic speed limiter (90 km/h).

## CLUTCH

Single-plate clutch, diameter 430 mm

## GEARBOX

Optidriver AT 2612F gearbox (14.94 - 1) with automatic clutch. Aluminium housing.  
Max. torque 2550 Nm, 12 forwards gears and 3 reverse gears.  
Steering wheel-mounted operating mode selection (automatic/manual) via gear shift selector.  
Gearbox rear intermediate housing in aluminium

## 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

Power steering, variable-flow hydraulic pump  
Steering ratio 20:1 - Steering wheel diameter 460 mm  
Driving on the right

## AXLE

### FRONT AXLE

Axle with zero-maintenance steering knuckles  
Load capacity (technical max.) Front axle: 7.1 t.  
Integral differential lock  
Load capacity: Rear axle: 11.5 t  
Drive axle ratio: 2.31  
Engine speed at 90 km/h: 1235 rpm

### WHEELS AND TYRES

*Dimension 315/60 + 295/60 R22.5*  
*C. ECOPLUS HS3 / HYBRID HD3 profile*  
Steel disc wheels  
Front wheel trims  
Without spare wheel.

### BRAKING

### 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.  
Twin-cylinder air compressor 900 l/min, 636 cm<sup>3</sup>  
Two line trailer braking system (ISO connections).  
*Electrical lead with one 15-pin connector to two 7-pin connectors (24N, 24S)*  
Upward orientation of air hoses  
Dummy sockets for electrical cables on DFR  
Trailer brake device at cab rear

### 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: Beige RAL 1015*  
*technical code: 01115*  
Red badge  
Silver front face finish  
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  
*Laminated side windows.*  
Spray suppression on front wings  
*Fixed roof deflector*  
*Side deflectors (2 opening panels)*  
Door extensions  
Cab accessories: cab colour  
External sun visor.  
Tinted, laminated windscreen.

### Cab interior:

Ultimate Carbon interior finish  
Performance roof console, 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  
TV aerial pre-equipment  
CB 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  
Air-suspended driver's seat with integral seat belt, adjustable lumbar support, adjustable seat cushion extension, heated seat (3 positions)  
*Two driver's armrests*  
Safety belt warning.  
*"Easy Access" passenger seat swivelling through 120° with fitted seat belt, fitted with removable neck support*  
*Two passenger armrests*  
Cloth seat trim.  
*Extensia Ultimate lower bunk*  
*Removable back rest*  
*air connector under driver's seat and blower supplied*  
Grand volume drawer under bunk  
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. Curtain separating driving position from rest area.  
Bunk restraint.  
*Bunk area lighting*  
Remote control for 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  
First-aid box (Germany)

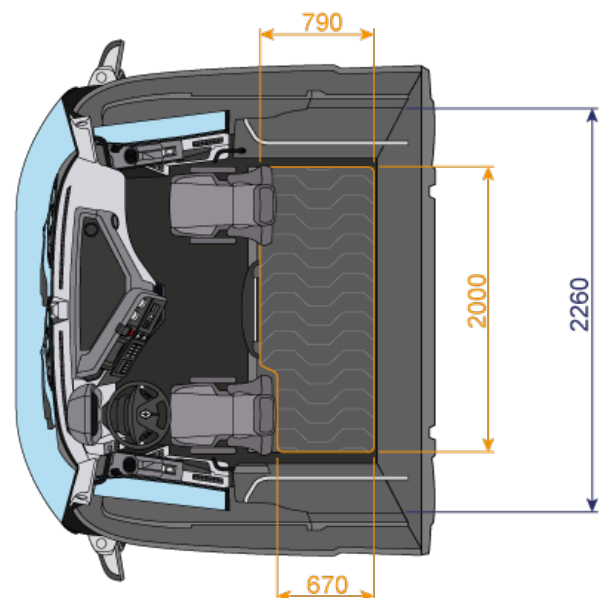
One-touch electric windows  
Cab independent night heater air/air (2 kW)  
*Reinforced heat insulation*  
Electronically regulated comfort air conditioning with compressor optimisation  
Cab air filtration  
Handbook and Service pack in German.  
4 loudspeakers and 2 tweeters  
*Infra-red remote control for operating the radio*

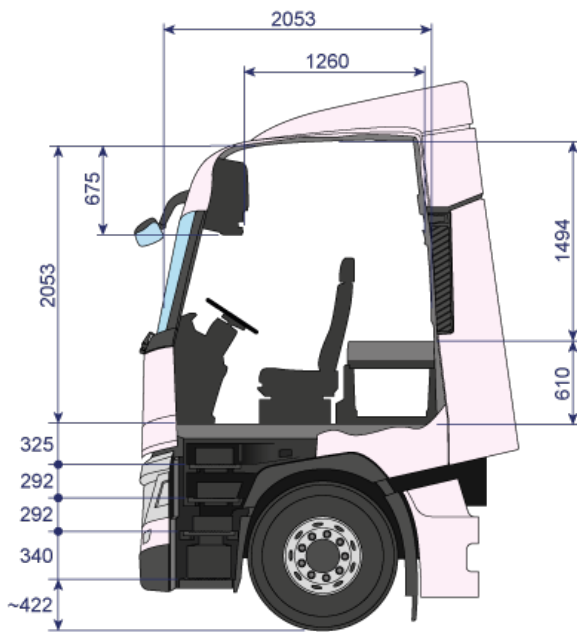
### Steering wheel equipment:

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  
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

### Instrument panel:

Panoramic dashboard  
7" HD colour information display  
*Telephone provision (wiring + roof antenna)*  
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*  
Cruise control and speed limiter configurable by rotary control





## ELECTRONIC EQUIPMENT:

SAE cab socket for vehicle data extraction (Optifuel Infomax).  
Toll Collect pre-equipment  
*FMS Gateway fleet management interface 3.0*  
Telematics provision including the TGW (Telematics GateWay): including antenna and subscription to Optifleet Map, Check and Drive services  
Assistance button for geolocation via the 24/7 platform  
Lane Departure Warning System (LDWS)  
*Adaptive cruise control (ACC) linked to advanced emergency braking system (AEBS)*  
English and German language display  
Additional language (French)

## ELECTRICAL EQUIPMENT

Batteries mounted side by side on LH side.  
*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.  
Rear signalling lighting.

## CHASSIS

Chassis protective paintwork, mineral grey colour  
technical code: 03650  
Removable front towing cap.  
Front under-run protection.  
Closing cross member with pre-drilling for towing yoke  
Low fifth wheel mounting H=16 mm  
*Jost JSK 42C, 2" cast iron fifth wheel, D 152 kN*

*Fifth wheel position: Y = 625 mm*  
*Extended rear platform.*  
Rear wings with anti-spray  
Wings fitted in standard position.  
1 foldaway wheel chock  
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  
Electrical headlamp levelling control.  
LED day running lights  
*Provision for lighting rail on roof*  
White LED work light (850 lm)  
Front fog lights.  
Cab paint colour fog lamp trims  
Halogen headlights  
Roof beacon pre-equipment

## SUSPENSION

### Front suspension

Front air suspension.  
Stabiliser bar

### Rear suspension:

Rear air suspension.  
Suspension remote control (2 channels).

## FUEL TANK

*Main and additional aluminium tanks.*  
*Main fuel tank: 475 litres capacity D560 profile mounted on right*  
Main fuel tank: 475 litres capacity D560 profile mounted on right  
*Fuel filter heater*  
Sedimenter and prefilter (R60). Bleed control on dashboard.

## AdBlue

*63-litre AdBlue tank*  
*Urea tank at the rear right of the cab*

## STANDARD EQUIPMENT

Tool kit.  
Windscreen washer bottle capacity: 12L

## BODYWORK

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



*Bodybuilder electrical interface on chassis*

**SERVICE**

**Optifleet:**

Pre-equipment for monthly Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by

driver, activation of service on request subject to monthly subscription

*Pre-equipment for monthly Optifleet Drive: Monitoring of activity times and remote download of driver card data and tachograph memory, activation of service on request subject to monthly subscription*

Pre-equipment for monthly Optifleet Map: vehicle geolocation, geofencing and route analysis. Activation of service on request subject to monthly subscription

**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.*

