

Model code : UKM_11MA036STD00
Print date: 09/12/2021
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Prepared for :

T T4X2 13L E6 - GVW 18T / GTW 40 T

RENAULT TRUCKS

T 480

WEIGHTS

Wheelbase		mm
Maximum Weight (registered)	Total (GVW)	Kg
Payload	(C)	Kg
Maximum Weight (registered)	Front axle 1	Kg
	rear axle 1	Kg
Min. weight complete vehicle unladen	Front axle(s)	Kg
Kerb Weight	total	Kg
Chassis cab kerb weight	Front Axle 1	Kg
	Rear Axle 1	Kg
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 29% of the weight of the unladen bodied vehicle kerb weight (with driver, without passenger)

LENGTHS

Wheelbase		mm
Front Overhang	(H / BEP L016)	mm
Wheelbase	(F / BEP L011)	mm
Rear overhang	Chassis	mm
Centre of Gravity of vehicle	at X (BEP L044)	mm
Overall Chassis Length	(A / BEP L001)	mm

HEIGHTS

Wheelbase		mm
Ground clearance, laden	Front (U1 / BEP H015)	mm
	Rear (U3 / BEP H016)	mm
Max. exterior height unladen	(BEP H001)	mm
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm
Cab height (unladen)	(O)	mm
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm
	Laden (H0 / BEP H18)	mm
Frame top height at front axle	Unladen (H1 / BEP H035)	mm
	Laden (H1 / BEP H036)	mm



Frame top height at drive axle	Unladen (H2 / BEP H037)	mm
	Laden (H2 / BEP H038)	mm
Frame top height at the rear of the frame	Unladen (HN)	mm
	Laden (HN)	mm
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm
Side member height	(BEP H032)	mm

TOWING DEVICE

Wheelbase		mm
Distance between the front of the vehicle and the centre of the trailer coupling device	(BEP L073 + L016)	mm
Distance between centre of last axle to centre of coupling device		mm
Fifth wheel height, from top of side member	(BEP H074 + H071)	mm
Fifth wheel height from ground	Unladen (BEP H076)	mm
	Laden (BEP H078)	mm
Swept Swing Clearance	(BEP L078)	mm
Fifth wheel position	Max. (Ymax / BEP L075)	mm
Gross Vehicle Weight	at YMAX	Kg
Gross Vehicle Weight, load on front axle(s)	at YMAX	Kg
Gross Vehicle Weight, load on rear axle(s)	at YMAX	Kg
King Pin Load	at YMAX	Kg
King Pin Load on Front Axle(s)	at YMAX	Kg
King Pin Load on RearAxle(s)	at YMAX	Kg
Fifth wheel position	Min. (Ymin / BEP L077)	mm
Gross Vehicle Weight	at YMIN	Kg
Gross Vehicle Weight, load on front axle(s)	at YMIN	Kg
Gross Vehicle Weight, load on rear axle(s)	at YMIN	Kg
King Pin Load	at YMIN	Kg
King Pin Load on Front Axle(s)	at YMIN	Kg
King Pin Load on RearAxle(s)	at YMIN	Kg
Fifth wheel position	Manufacturer's recommendation (Y / BEP L076)	mm
Gross Vehicle Weight	in fifth wheel position recommended by manufacturer	Kg
Gross Vehicle Weight, load on front axle(s)	in fifth wheel position recommended by manufacturer	Kg
Gross Vehicle Weight, load on rear axle(s)	in fifth wheel position recommended by manufacturer	Kg
King Pin Load	in fifth wheel position recommended by manufacturer	Kg
King Pin Load on Front Axle(s)	in fifth wheel position recommended by manufacturer	Kg
King Pin Load on RearAxle(s)	in fifth wheel position recommended by manufacturer	Kg
Fifth wheel position	Intermediate 1	mm
Gross Vehicle Weight	in intermediate fifth wheel position 1	Kg
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 1	Kg
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 1	Kg
King Pin Load	in intermediate fifth wheel position 1	Kg
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 1	Kg
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 1	Kg
Fifth wheel position	Intermediate 2	mm
Gross Vehicle Weight	in intermediate fifth wheel position 2	Kg
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 2	Kg
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 2	Kg
King Pin Load	in intermediate fifth wheel position 2	Kg
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 2	Kg
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 2	Kg
Sliding fifth wheel	front fork	mm
	rear yoke	mm

WIDTHS

Wheelbase		mm
Max exterior cab width with rear view mirrors open	(BEP W001)	mm
Max. cab width	(BEP W002)	mm
Frame width	Front (BEP W035)	mm
	Rear (BEP W036)	mm
Width at rear wheels	Rear axle 1 (V3 / BEP W003.2)	mm
Track	Front (V1 / BEP W013.1)	mm
	Rear 1 (V2 / BEP W013.2)	mm

OTHER

Wheelbase		mm
Approach angle	(BEP H010)	°
Ramp angle	(BEP H012)	°
Departure angle	(BEP H011)	°
Side member thickness	(BEP W034)	mm
Turning Radius	Overall (BEP W012)	mm
	kerb to kerb	mm
	interior	mm

DTI 13 ENGINE

Max. power: 353 kW from 1404 to 1800 rpm

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

Power output (UK): 473 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

EEC EURO VI pollution control level

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

Cooling liquid

Automatic regeneration of particulate filter

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).

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.

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

CLUTCH

Single-plate clutch, diameter 430 mm

GEARBOX**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

Power take-off S84

Output: splined hollow shaft (DIN 5462)

Direction of rotation: as engine

Torque: 430 Nm

Ratios: 0.91/1.16

Position: 17h

STEERING

Right hand drive.

Hydraulic power steering, variable flow pump

Steering ratio 20:1 - Steering wheel diameter 460 mm

Driving on the left

FRONT AXLE

Axle with zero-maintenance steering knuckles

Front load capacity (technical max.): 8 t

WHEELS AND TYRES

Dimension 315/70 R22.5

G. FUELMAX PERFORMANCE S / D profile

Alcoa Dura-Bright aluminium wheels.

Chrome wheel nut protectors with chrome wheel nut caps

Without spare wheel.

REAR DRIVE AXLE

P13170-E single reduction final drive axle

Integral differential lock

Rear loading capacity (technical max.): 13 t

Drive axle ratio: 2.47

Engine speed at 90 km/h: 1198 rpm

Service brake:

Twin-cylinder air compressor 900 l/min, 636 cm³

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:

Sleeper Cab

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

Cab paint colour: Grey metallic corail

technical code: 03721

Black emblem

Aerodynamic dirt deflectors on the headlamps

4-point cab air suspension with ride-height control system

Two side doors 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

Adjustable roof deflector

Side deflectors (left-hand opening panel)

Door extensions

Cab accessories: cab colour

Wide external sun visor

Tinted, laminated windscreen.

Without rear window.

Cab interior:

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 and manual blind on driver's side window

- 7" colour multimedia touchscreen

Pre-equipment for cameras

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



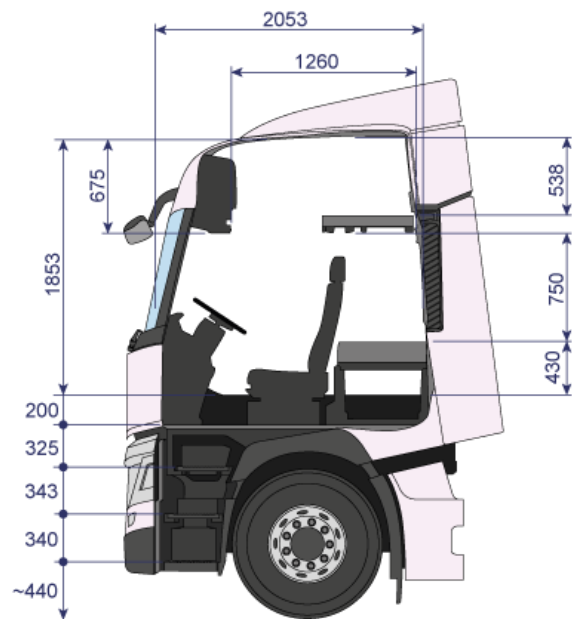
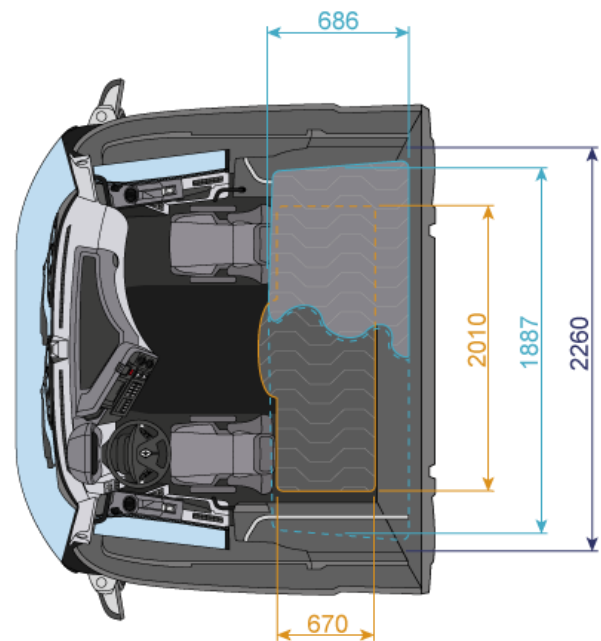
- Mosquito net on air vent
- Interior roof grab handle
- Synthetic carpet floor mats*
- Two driver's armrests*
- Red seat belts
- Leather seat trim.*
- Performance lower bunk
- Ultimate upper bunk, transformable into storage with access ladder and luggage net*
- Removable back rest*
- Drawer under bunk with document holder*
- 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.*
- Articulated LED lamps in bunk area*
- Remote control for comfort functions in bunk area with integrated display*
- 2 storage boxes under bunk, one accessible from interior and exterior
- Two coat hooks on rear panel and one on passenger side
- One-touch electric windows*
- Cab independent night heater air/air (2 kW)
- 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
- Easy Access steering column adjustable in 3 directions
- ROADPAD+:**
 - *HGV-specific TOM TOM navigation system*
 - *FM and DAB+ radio*
 - *USB port and jack socket*
 - *dual Bluetooth connection*

Instrument panel:

- 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:

- 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
- Lane Departure Warning System (LDWS)
- Adaptive cruise control (ACC) linked to advanced emergency braking system (AEBS)*



ELECTRICAL EQUIPMENT

Batteries located in the rear overhang

Battery capacity: 225 Ah
 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.
 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 = 350 mm
Extended rear platform.
 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 3 steps
 Step lighting.
Metallic door sills
*Automatic windscreen wiping with rain sensor and automatic
 illumination of lights*
 Electrical headlamp levelling control.
 LED day running lights
Provision for lighting rail on roof
 White LED work light (850 lm)
 Front fog lights.
 Roof beacon pre-equipment
Integrated headlamp washer

SUSPENSION

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.

Front suspension

2-leaf front leaf springs
 Stabiliser bar

Rear suspension:

Rear 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 (D710)
 Urea tank on the right

STANDARD EQUIPMENT

Tool kit.
Reversing warning buzzer, including night switch.

BODYWORK

Provision for rear loading lighting
 Orange LED side marker lights with reflector
 Interface for bodybuilder connections and BBM module (Body
 Builder Module)
Bodybuilder electrical interface on chassis

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

