

Model code : UKM_11MA036STD00
Print date: 18/03/2022
Last updated: 18/03/2022

Prepared for :

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

RENAULT TRUCKS

T 440

WEIGHTS

Wheelbase		mm	3.800
Maximum Weight (registered)	Total (GVW)	Kg	18000
Payload	(C)	Kg	10170
Maximum Weight (registered)	Front axle 1	Kg	7500.00
	rear axle 1	Kg	11500
Min. weight complete vehicle unladen	Front axle(s)	Kg	5772.00
Kerb Weight	total	Kg	7830
Chassis cab kerb weight	Front Axle 1	Kg	5466.00
	Rear Axle 1	Kg	2364.00
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 29% of the weight of the unladen bodied vehicle kerb weight (with driver, without passenger)

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	1158.00
Overall Chassis Length	(A / BEP L001)	mm	5990

HEIGHTS

Wheelbase		mm	3.800
Ground clearance, laden	Front (U1 / BEP H015)	mm	231
	Rear (U3 / BEP H016)	mm	212
Max. exterior height unladen	(BEP H001)	mm	3919
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	4382.00
Cab height (unladen)	(O)	mm	3634
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	350.00
	Laden (H0 / BEP H18)	mm	287.00
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	973.00
	Laden (H1 / BEP H036)	mm	922.00



Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	955
	Laden (H2 / BEP H038)	mm	931
Frame top height at the rear of the frame	Unladen (HN)	mm	951.00
	Laden (HN)	mm	933.00
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	926.00
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	4815.00
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	1226
	Laden (BEP H078)	mm	1200
Swept Swing Clearance	(BEP L078)	mm	2395.00
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	7500.00
Gross Vehicle Weight, load on rear axle(s)	at YMAX	Kg	10500.00
King Pin Load	at YMAX	Kg	10170.00
King Pin Load on Front Axle(s)	at YMAX	Kg	2034.00
King Pin Load on RearAxle(s)	at YMAX	Kg	8136.00
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	10170.00
King Pin Load on Front Axle(s)	at YMIN	Kg	1034.00
King Pin Load on RearAxle(s)	at YMIN	Kg	9136.00
Fifth wheel position	Manufacturer's recommendation (Y / BEP L076)	mm	350
Gross Vehicle Weight	in fifth wheel position recommended by manufacturer	Kg	17893.00
Gross Vehicle Weight, load on front axle(s)	in fifth wheel position recommended by manufacturer	Kg	6393.00
Gross Vehicle Weight, load on rear axle(s)	in fifth wheel position recommended by manufacturer	Kg	11500.00
King Pin Load	in fifth wheel position recommended by manufacturer	Kg	10063.00
King Pin Load on Front Axle(s)	in fifth wheel position recommended by manufacturer	Kg	927.00
King Pin Load on RearAxle(s)	in fifth wheel position recommended by manufacturer	Kg	9136.00
Fifth wheel position	Intermediate 1	mm	300.00
Gross Vehicle Weight	in intermediate fifth wheel position 1	Kg	17749.00
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 1	Kg	6249.00
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 1	Kg	11500.00
King Pin Load	in intermediate fifth wheel position 1	Kg	9919.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 1	Kg	783.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 1	Kg	9136.00
Fifth wheel position	Intermediate 2	mm	250.00
Gross Vehicle Weight	in intermediate fifth wheel position 2	Kg	17609.00
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 2	Kg	6109.00
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 2	Kg	11500.00
King Pin Load	in intermediate fifth wheel position 2	Kg	9779.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 2	Kg	643.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 2	Kg	9136.00
Sliding fifth wheel	front fork	mm	4.81
	rear yoke	mm	4.32



WIDTHS

Wheelbase		mm	3.800
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	2499
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)	°	11.30
Departure angle	(BEP H011)	°	32.60
Side member thickness	(BEP W034)	mm	7.00
Turning Radius	Overall (BEP W012)	mm	7550.00
	kerb to kerb	mm	6856.00
	interior	mm	3118.00

DTI 13 ENGINE

Max. power: 323 kW from 1400 to 1800 rpm
Max. torque: 2200 Nm from 900 rpm to 1404 rpm

Power output (UK): 433 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

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

ENGINE EQUIPMENT

Power Mode (Eco/Eco Off)

Partial gas recycling (semi-closed circuit)

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

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

Right hand drive.
Power steering, variable-flow hydraulic pump
Steering ratio 20:1 - Steering wheel diameter 460 mm
Driving on the left

FRONT AXLE

Axle with zero-maintenance steering knuckles
Load capacity (technical max.) Front axle: 7.5 t.

WHEELS AND TYRES

Dimension 315/70 R22.5
B. DURAVIS R-STEER 02 / R-DRIVE 02 profile
Steel disc wheels
Front wheel trims
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 1100 l/min, 760 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
Brake hose couplers, UK standard
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)

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 cathophoretic paint treatment.
Cab paint colour: Black RAL 9005
technical code: 00699
Red badge
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
Spray suppression on front wings
Adjustable roof deflector
Side deflectors (2 opening panels)
Door extensions (step cover)
Exterior parts finished in cab colour
Wide external sun visor
Tinted, laminated windscreen.
Without rear window.

Cab interior:

Cab interior finish - Dark
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
- 7" colour multimedia touchscreen
Pre-equipment for cameras
DTCO 4.0 digital chronotachograph
Offset 24 V socket
Electrically operated roof hatch.
Mosquito net on air vent
Interior roof grab handle
Rubber insulating floor mats
Adjustable vertical damping
Adjustable seat back
Length and height-adjustable
Seat quick-drop function with height setting storage
Removable seat cover
Integral headrest
Heating system (driver's seat)



Two driver's armrests

- Red seat belts
- Seat belt fastened reminder
- seat squab tilt
- Length-adjustable
- Integral headrest
- Without air suspension
- Cloth fabric trim
- Sérénité bottom bunk

Drawer under bunk with document holder

- Reading lamps on overhead ledge
- Direct cab lighting
- Red night lighting
- Cab lighting time-delay.
- Curtains around cab.
- Bunk area lighting
- Bunk area remote control

Provision for 50A max. electrical power supply

24L refrigerator in central storage under bench, quiet with thermostat and vehicle battery management

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

Handbook and Service pack in English.

2 loudspeakers.

Steering wheel equipment:

Ultimate leather steering wheel

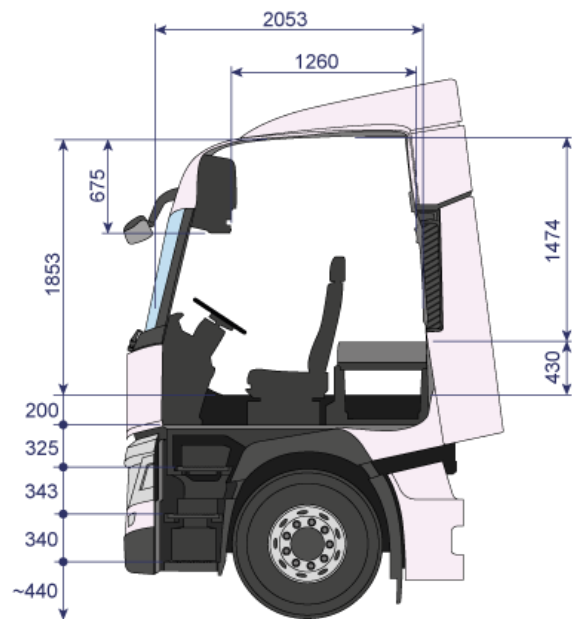
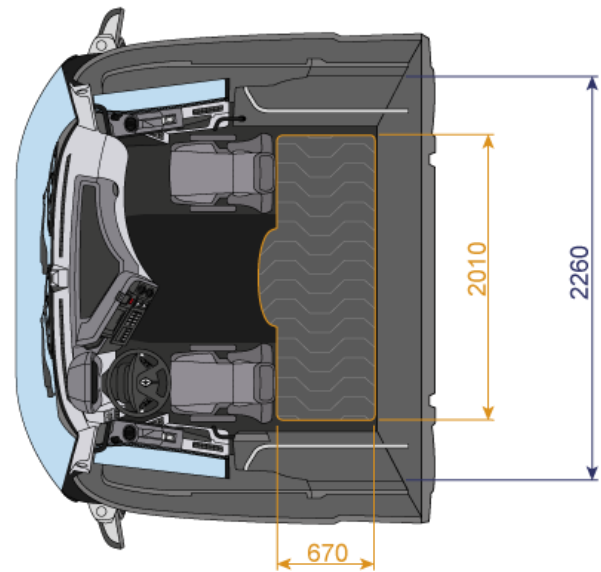
- OPTIDRIVER control
- OPTIBRAKE and retarder control on right-hand side
- 3-way adjustable steering column

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
- 12V socket on dashboard, for accessories.
- Starting inhibitor controlled by transponder key.
- Remote control central door locking with folding key
- Start button
- Customer speed +5 km/h downhill
- Cruise control and speed limiter configurable by rotary control
- Power Mode (Eco/Eco Off)
- Without Eco Mode



ELECTRONIC EQUIPMENT:

- English and French language display
- Additional language (Spanish)
- SAE cab socket for vehicle data extraction
- Assistance button for geolocation via the 24/7 platform
- Lane Departure Warning System (LDWS)
- Advanced emergency braking system (AEBS)

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.
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
Reinforced chassis guard rail
*Foldaway side fairings, cab colour with extension pieces and
integrated walkway access step*
Rear manwalk.
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 3 steps
Step lighting.
BUMPER CORNERS AND CENTER PAINTED IN BLACK
*Automatic windscreen wiping with rain sensor and automatic
illumination of lights*
Lighting adjustment
LED day running lights
Provision for lighting rail on front end
White LED work light (850 lm)
Front fog lights.
LED lights
Roof beacon pre-equipment

SUSPENSION

Front suspension

2-leaf front leaf springs
Stabiliser bar

Rear suspension:

Rear air suspension.
Suspension remote control

FUEL TANK

Main and additional aluminium tanks.
Main fuel tank: 405 litres capacity D710 profile mounted on
right
Main fuel tank: 405 litres capacity D710 profile mounted on
left
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

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

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, Wedgnoek Lane , Warwick , CV34 5YA Telephone
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