Model code : UKM_11MC036UK136
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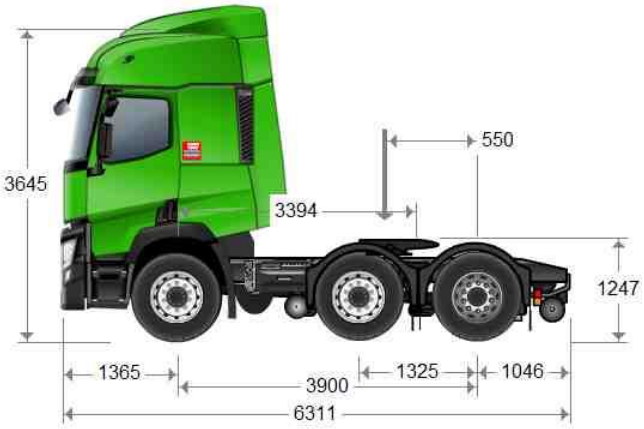
Prepared for :

T 480 T6X2 PUSHER TML E6 - GVW 23.4 T / GTW 44 T

RENAULT TRUCKS

T 480



WEIGHTS

Wheelbase		mm	3.900
Maximum Weight (registered)	Total (GVW)	Kg	23400
Payload	(C)	Kg	15160
Maximum Weight (registered)	Front axle 1	Kg	8000.00
	rear axle 1	Kg	7100
	rear axle 2	Kg	11500
Min. weight complete vehicle unladen	Front axle(s)	Kg	7133.00
Kerb Weight	total	Kg	8240
Chassis cab kerb weight	Front Axle 1	Kg	5201.00
	Rear Axle 1	Kg	1160.00
	Rear Axle 2	Kg	1879.00
	Front axles (Liftable axle down)	Kg	5201
	Rear axles (Liftable axle down)	Kg	3039
	Front axles (Liftable axle up)	Kg	5520.00
	Rear axles (Liftable axle up)	Kg	2645.00
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	mm	1046
Centre of Gravity of vehicle	at X (BEP L044)	mm	1263.00
Technical wheelbase	(F' / BEP L015)	mm	3394
Overall Chassis Length	(A / BEP L001)	mm	6311

HEIGHTS

Wheelbase		mm	3.900
Ground clearance, laden	Front (U1 / BEP H015)	mm	229
	Rear (U3 / BEP H016)	mm	215
Max. exterior height unladen	(BEP H001)	mm	3930
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	4393.00
Cab height (unladen)	(O)	mm	3645
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	363.00
	Laden (H0 / BEP H18)	mm	285.00
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	1001.00
	Laden (H1 / BEP H036)	mm	937.00
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	966.00
	Laden (HN)	mm	955.00
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	894.00
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	1247
	Laden (BEP H078)	mm	1219
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	8000.00
Gross Vehicle Weight, load on rear axle(s)	at YMAX	Kg	15400.00
King Pin Load	at YMAX	Kg	15160.00
King Pin Load on Front Axle(s)	at YMAX	Kg	2799.00
King Pin Load on RearAxle(s)	at YMAX	Kg	12361.00
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	4800.00
Gross Vehicle Weight, load on rear axle(s)	at YMIN	Kg	18600.00
King Pin Load	at YMIN	Kg	15160.00
King Pin Load on Front Axle(s)	at YMIN	Kg	-401.00
King Pin Load on RearAxle(s)	at YMIN	Kg	15561.00

Fifth wheel position	Manufacturer's recommendation (Y / BEP L076)	mm	550
Gross Vehicle Weight	in fifth wheel position recommended by manufacturer	Kg	23400.00
Gross Vehicle Weight, load on front axle(s)	in fifth wheel position recommended by manufacturer	Kg	7658.00
Gross Vehicle Weight, load on rear axle(s)	in fifth wheel position recommended by manufacturer	Kg	15742.00
King Pin Load	in fifth wheel position recommended by manufacturer	Kg	15160.00
King Pin Load on Front Axle(s)	in fifth wheel position recommended by manufacturer	Kg	2457.00
King Pin Load on RearAxle(s)	in fifth wheel position recommended by manufacturer	Kg	12703.00
Fifth wheel position	Intermediate 1	mm	500.00
Gross Vehicle Weight	in intermediate fifth wheel position 1	Kg	23400.00
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 1	Kg	7434.00
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 1	Kg	15966.00
King Pin Load	in intermediate fifth wheel position 1	Kg	15160.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 1	Kg	2233.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 1	Kg	12927.00
Fifth wheel position	Intermediate 2	mm	450.00
Gross Vehicle Weight	in intermediate fifth wheel position 2	Kg	23400.00
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 2	Kg	7211.00
Gross Vehicle Weight, load on rear axle(s)	in intermediate fifth wheel position 2	Kg	16189.00
King Pin Load	in intermediate fifth wheel position 2	Kg	15160.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 2	Kg	2010.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 2	Kg	13150.00
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	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

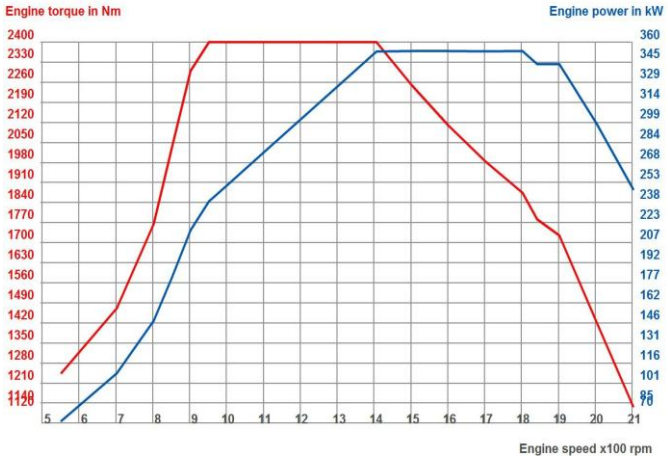
OTHER

Wheelbase		mm	3.900
Approach angle	(BEP H010)	°	14
Ramp angle	(BEP H012)	°	20.90
Departure angle	(BEP H011)	°	17.80
Side member thickness	(BEP W034)	mm	7.00
Turning Radius	Overall (BEP W012)	mm	6900.00
	kerb to kerb	mm	6206.00
	interior	mm	2758.00

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
Filtre à huile avec additif
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 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

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.
Hydraulic power steering, 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 315/70 R22.5
Profile B.ECOPIA H-STEER 002 / H-DRIVE 002
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.): 19 t
Rear load 7.1t - 11.5t
Drive axle ratio: 2.64
Engine speed at 90 km/h: 1280 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)
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

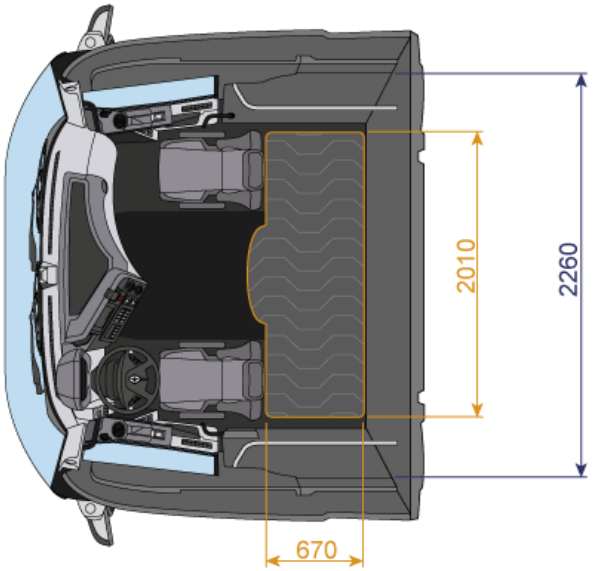
Cab exterior:
Sleeper Cab
All steel Cab, electro-zinc plated and cataphoretic paint treatment.
Cab paint colour: Green RAL 6018
technical code: 01937
Red badge
Dark grey front face finish
Aerodynamic dirt deflectors on the headlamps
4-point cab air suspension with ride-height control system
Two side 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
12-position adjustable roof deflector
Side deflectors (2 opening panels)
Door extensions
Cab accessories: cab colour
Wide external sun visor
Tinted, laminated windscreen.
Without rear window.

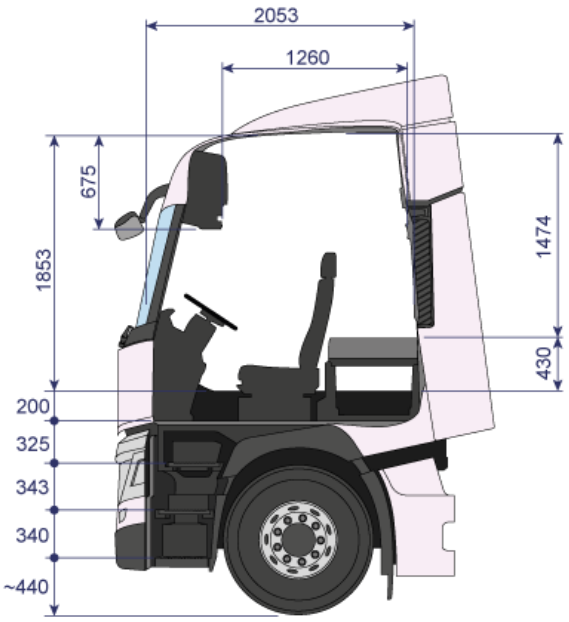
Cab interior:
Ultimate Alu finish
Performance roof console, 4 storage compartments with doors including 1 with key lock, 1 storage space with net, 4 ISO modules
Electric interior sun blind on windscreen, manual blinds on driver and passenger side windows
- 7" colour multimedia touchscreen
Pre-equipment for cameras
CB pre-equipment.
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
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.
Air-suspended passenger seat with seatbelt.
Passenger armrest
Cloth seat trim.
Performance lower 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
12 and 24 V sockets on bunk
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.
4 loudspeakers and 2 tweeters

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
Removable writing board on steering wheel
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 (Spanish)
SAE cab socket for vehicle data extraction
Assistance button for geolocation via the 24/7 platform
4G TGW 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
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.
Rear signalling lighting.

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 3 steps
Step lighting.
Metallic door sills
Automatic windscreen wiping with rain sensor and automatic illumination of lights
Electrical headlamp levelling control.
Running lights
Provision for lighting rail on front end
White LED work light (850 lm)
Front fog lights.
Black fog lamp trims
Halogen headlights
Roof beacon pre-equipment

SUSPENSION

Front suspension
2-leaf front leaf springs
Stabiliser bar

Rear suspension:
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.
Windscreen washer bottle capacity: 12L

BODYWORK
Bodybuilder access through bulkhead
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, Wedgnock Lane , Warwick , CV34 5YA Telephone +44 (0)1926 475333.