

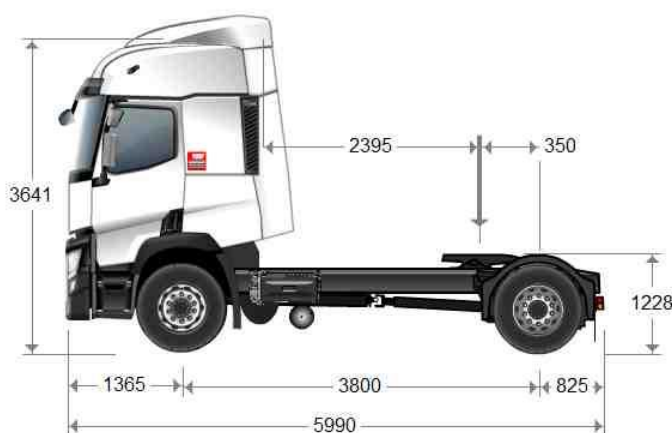
Model code : UKM_11MA016UK118
Print date: 25/02/2021
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Prepared for :

T 460.18 4X2 T E6 - GVW 18T / GTW 40 T

RENAULT TRUCKS

T 460



WEIGHTS

Wheelbase		mm	3.800
Maximum Weight (registered)	Total (GVW)	Kg	18000
Payload	(C)	Kg	10706
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	7294
	Front Axle 1	Kg	5180.00
Chassis cab kerb weight	Rear Axle 1	Kg	2114.00
	Front axle(s)	Kg	
Total vehicle weight under full load at YMIN	Rear axle(s)	Kg	
	Front 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	1113.00
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	3926
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	4389.00
Cab height (unladen)	(O)	mm	3641
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	359.00
	Laden (H0 / BEP H18)	mm	287.00
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	980.00
	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	950.00
	Laden (HN)	mm	933.00
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	938.00
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	1228
	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	10706.00
King Pin Load on Front Axle(s)	at YMAX	Kg	2320.00
King Pin Load on RearAxle(s)	at YMAX	Kg	8386.00
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	10706.00
King Pin Load on Front Axle(s)	at YMIN	Kg	1320.00
King Pin Load on RearAxle(s)	at YMIN	Kg	9386.00
Fifth wheel position	Manufacturer's recommendation (Y / BEP L076)	mm	350
Gross Vehicle Weight	in fifth wheel position recommended by manufacturer	Kg	17632.00
Gross Vehicle Weight, load on front axle(s)	in fifth wheel position recommended by manufacturer	Kg	6132.00
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	10338.00
King Pin Load on Front Axle(s)	in fifth wheel position recommended by manufacturer	Kg	952.00
King Pin Load on RearAxle(s)	in fifth wheel position recommended by manufacturer	Kg	9386.00
Fifth wheel position	Intermediate 1	mm	300.00
Gross Vehicle Weight	in intermediate fifth wheel position 1	Kg	17485.00

Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 1	Kg	5985.00
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	10191.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 1	Kg	805.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 1	Kg	9386.00
Fifth wheel position	Intermediate 2	mm	250.00
Gross Vehicle Weight	in intermediate fifth wheel position 2	Kg	17341.00
Gross Vehicle Weight, load on front axle(s)	in intermediate fifth wheel position 2	Kg	5841.00
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	10047.00
King Pin Load on Front Axle(s)	in intermediate fifth wheel position 2	Kg	661.00
King Pin Load on RearAxle(s)	in intermediate fifth wheel position 2	Kg	9386.00
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)	°	14
Ramp angle	(BEP H012)	°	14.00
Departure angle	(BEP H011)	°	32.20
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 11 ENGINE

Max. power output: 338 kW between 1700 and 1900 rpm

Max. torque: 2200 Nm from 1000 rpm to 1400 rpm

Power output (UK): 453 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 123 mm - stroke 152 mm - Capacity 10.8 L

Turbocharger

Electronically controlled fan

Direction of rotation (seen from G/B end): anti-clockwise

EEC EURO VI pollution control level

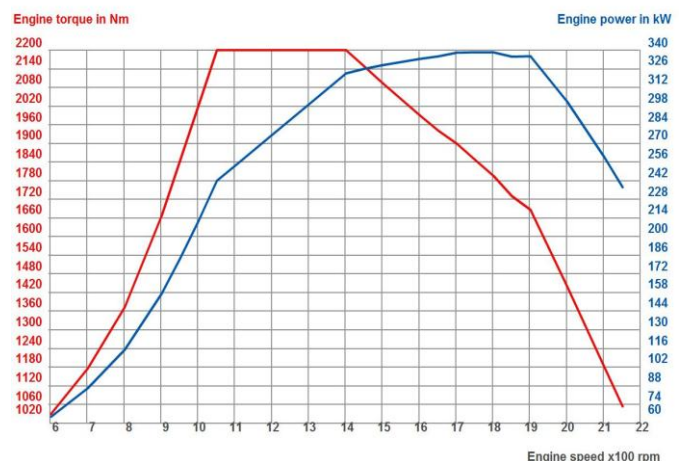
Compact after-treatment system (catalytic converter, DPF, SCR)

Cooling liquid

Reduction in engine torque of 25% when vehicle emissions are above the legislative levels, step-D (EC regulation).

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).

CLUTCH

Single-plate clutch, diameter 430 mm

GEARBOX

Optidriver AT 2412F gearbox (14.94 - 1) with automatic clutch. Aluminium housing.

Max. torque 2400 Nm, 12 forwards gears and 3 reverse gears.

Steering wheel-mounted operating mode selection (automatic/manual) via gear shift selector.

Gearshifting strategy optimised for FUEL ECO

Gearbox rear intermediate housing in aluminium

RETARDER

OPTIBRAKE (power rating 300 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

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

Profile C. ECOPLUS HS3-XL/HD3

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: 2.64

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: White ekla

technical code: 09350

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
Rearview mirrors silver finish
Air horn
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:

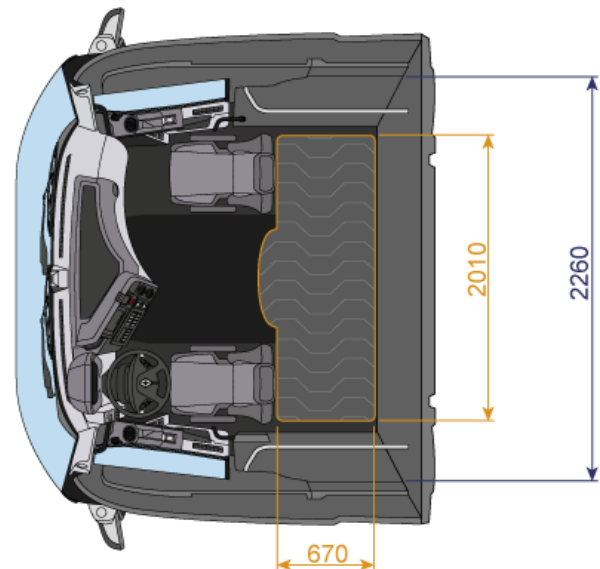
Ultimate Alu finish
Performance roof console, 4 storage compartments with doors including 1 with key lock, 1 storage space with net, 4 ISO modules
Electric interior sun blind on windscreen, manual blinds on driver and passenger side windows
CB pre-equipment.
DTCO 4.0 digital chronotachograph
Offset 24 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 integral seat belt, adjustable lumbar support, adjustable seat cushion extension, heated seat (3 positions)
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
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

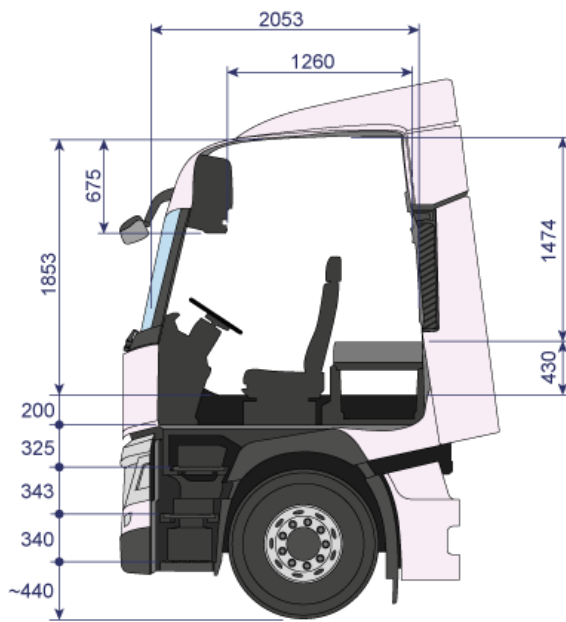
Steering wheel equipment:

Ultimate leather steering wheel 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:

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





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

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

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)
Advanced emergency braking system (AEBS)

ELECTRICAL EQUIPMENT

Batteries mounted side by side on LH side.
Battery capacity: 225 Ah
Maintenance-free batteries
Battery cut-out remote control
Electrical circuit automatically goes to standby
Battery charge indicator
Alternator : 110 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

SUSPENSION

Front suspension

2-leaf front leaf springs
Stabiliser bar

Rear suspension:

Rear air suspension.
Suspension remote control

FUEL TANK

Main aluminium tank
Main fuel tank: 490 litres capacity D710 profile mounted on right
Sedimenter and prefilter (R60). Bleed control on dashboard.

AdBlue

100-litre AdBlue tank
Urea tank on the left

STANDARD EQUIPMENT

Tool kit.
Reversing warning buzzer, including night switch.
Windscreen washer bottle capacity: 12L

BODYWORK

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

SERVICE

Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, 2-year prepaid subscription

Optifleet:

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 +44 (0)1926 475333.

