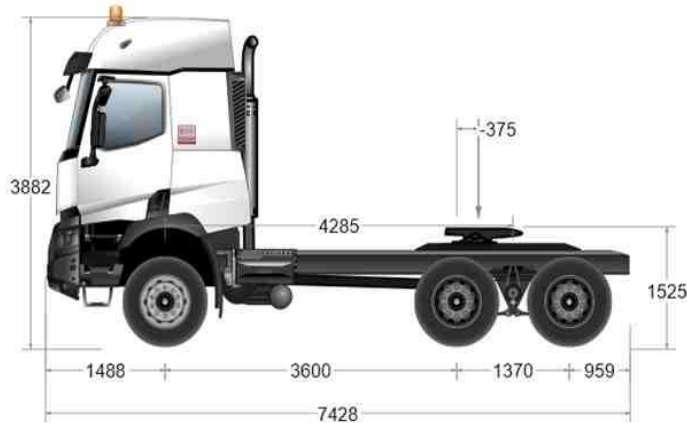


Renault Truck K520 T6X4 13L E5 – GVW 41T / GCW 120T



WEIGHTS

Wheelbase		mm	3.600
Maximum Weight (registered)	Total (GVW)	Kg	41000
Payload	(C)	Kg	30558
Kerb Weight	total	Kg	10442
Chassis cab kerb weight	Front axles (Liftable axle down)	Kg	5568
	Rear axles (Liftable axle down)	Kg	4874
Maximum Weight (registered)	Front axle 1	Kg	9000
	rear axle 1	Kg	16000
	rear axle 2	Kg	16000
Maximum Weight (technical)	total (CoC: 16.1.)	Kg	41000
	front axles (CoC: 16.3.)	Kg	9000
	rear axles (CoC: 16.3.)	Kg	32000

LENGTHS

Wheelbase		mm	3.600
Front Overhang	(H / BEP L016)	mm	1488
Wheelbase	(F / BEP L011)	mm	3600
Technical wheelbase	(F' / BEP L015)	mm	4285
Axle Spacing	Axle 2-3 (BEP L012.2)	mm	1370
Rear overhang	Chassis, overall (BEP L017)	mm	959
Overall Chassis Length	(A / BEP L001)	mm	7428

HEIGHTS

Wheelbase		mm	3.600
Cab height (unladen)	(O)	mm	3882
Max. exterior height unladen	(BEP H001)	mm	4051
Side member height	(BEP H032)	mm	300
Ground clearance, laden	Front (U1 / BEP H015)	mm	435
	Rear (U3 / BEP H016)	mm	395
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	1238
	Laden (H1 / BEP H036)	mm	1170
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	1245
	Laden (H2 / BEP H038)	mm	1183

TOWING DEVICE

Wheelbase		mm	3.600
Swept Swing Clearance	(BEP L078)	mm	
Fifth wheel height from ground	Unladen (BEP H076)	mm	1525
	Laden (BEP H078)	mm	1464
Fifth wheel position	Manufacturer's recommendation (Y / BEP L076)	mm	-375
	Min. (Ymin / BEP L077)	mm	-500
	Intermediate 1	mm	-275
	Intermediate 2	mm	-475
	Max. (Ymax / BEP L075)	mm	0

WIDTHS

Wheelbase		mm	3.600
Max. cab width	(BEP W002)	mm	2492
Frame width	Front (BEP W035)	mm	1080
	Rear (BEP W036)	mm	852
Width at rear wheels	Rear axle 1 (V3 / BEP W003.2)	mm	2550
	Rear axle 2 (V5 / BEP W003.3)	mm	2550
Track	Front (V1 / BEP W013.1)	mm	2019
	Rear 1 (V2 / BEP W013.2)	mm	1871
	Rear 2 (V4 / BEP W013.2)	mm	1871

OTHER

Wheelbase		mm	3.600
Side member thickness	(BEP W034)	mm	13
Turning Radius	kerb to kerb	mm	9561.5
	Overall (BEP W012)	mm	10150

DXi13 ENGINE

Maximum power: 520 hp - 382 kW from 1450 to 1900 rpm.

Maximum torque: 2550 Nm from 1050 to 1400 rpm.

6-cylinder in-line diesel engine - High-pressure fuel-injection (2400 bar) by pump injectors - 24 valves - overhead camshaft, rear-mounted timing

Bore 131 mm - stroke 158 mm - Capacity 12.8L

Electronically controlled fan

Turbocharger

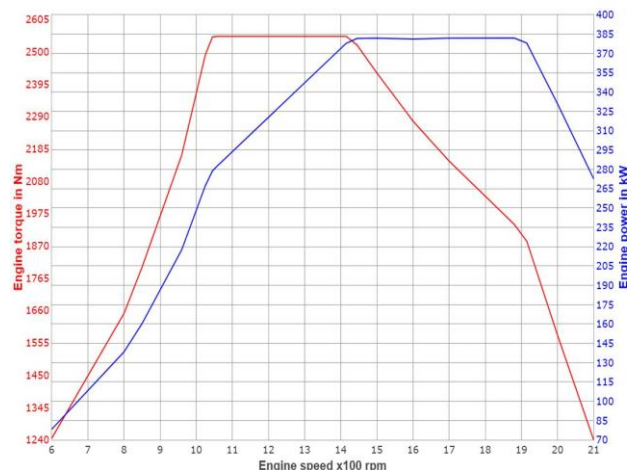
Direction of rotation (seen from G/B end): anti-clockwise

Sheet metal oil sump

EURO 5 EEV (Enhanced Environmentally friendly Vehicle)

EEC EURO V exhaust emissions level

Cooling liquid



ENGINE EQUIPMENT

Aluminium engine flywheel casing.

Fast idling control whilst moving (muddy site)

Power mode inhibited after passing the 'hard spot' of the accelerator pedal

Complete gas recycling (closed circuit)

Without engine Power Take Off.

Electronic speed limiter (120 km/h)

CLUTCH

Single-plate clutch, diameter 430 mm

GEARBOX

Optidriver AT 2612 gearbox (14.94 - 1) with automatic clutch. Aluminium housing.
Max. torque 2550 Nm, 12 forward gears and 3 reverse gears.
Steering wheel-mounted operating mode selection (automatic/manual) via gear shift selector,
Reinforcement of the Optidriver gearbox for heavy-duty use (XTREM)
Heavy duty gearbox oil cooler, oil/water external heat exchanger

RETARDER

OPTIBRAKE+ :
Combination of the exhaust brake retarder and valve braking.
Full electronic management (power : 414kW at 2300 rpm), coupled to service brake.

POWER TAKE-OFF

Power take-off S81
Output: flange (DIN 90)
Direction of rotation: opposite to engine
Torque: 1000 Nm
Ratios: 0.71/0.90
Position: 18h

STEERING

Hydraulic power steering, variable flow pump
Steering ratio 26.2
Integral hydraulic power assisted steering (1 independent circuit and 1 pump).
Driving on the right

FRONT AXLE

Front suspension lubrication point. Pivot with maintenance-free rubber ring. Greased front suspension spring.
Front load capacity (technical max.): 9 t

WHEELS AND TYRES

Dimension 325/95 R24
Profile B. EXTRA M840 / L355
Steel disc wheels
ISO_11992 compatible tyre pressure monitoring system
Steel front wheel trims
Spare wheel and tyre supplied loose.

REAR AXLES

PMR 3361 drive axle with double reduction
Integral differential lock
Rear loading capacity (technical max.): 32 t
Rear load equally distributed
Drive axle ratio: 4.12
Engine speed at 90 km/h: 1650 rpm

Service brake:

Twin-cylinder air compressor 900 l/min, 636 cm³
Braking system with two independent circuits
Drum brakes
Dust protection on rear brake
Electronic management of air production by EACU (Electronic Air Control Unit):
Dryer cartridge optimised by preventive maintenance.
EACU positioned within the track
Disengageable air compressor
Silencer on pneumatic circuit
Two line trailer braking system (ISO connections).
15-pin electrical accessories socket
Upward-facing semi-trailer connection
Trailer brake device at cab rear
High-position rear brake cylinders

EBS:

Hill Start Aid
Wheel anti spin regulation (ASR)
Brake pad wear balancing (discs)
Wheel antilock braking system (ABS)
Emergency braking assist (AFU)
Harmonisation of tractor and trailer braking
Brake performance warning
Coupling of retarders and service brakes
Stop lights emergency lighting

Parking brake:

EPB (Electronic Parking Brake) automatic parking brake, immobilization provided by spring cylinders
Reinforced parking brake

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
Four point mechanical cab suspension.
Two side doors of which one is accessible from inside the cab
2 heated, remote control rear view mirrors.
2 wide angle rearview mirrors.
Side view using mirrors only
Kerb view mirror.
Rear view mirrors for bodywork up to 2.55 m wide
Fold-back front view mirror
Air horn
Laminated side windows.
Front wing mudflaps
Black cab access steps
Exterior parts finished in cab colour
Wide external sun visor
Tinted, laminated windscreens.
Without rear window.

Cab interior:

Black grab handles
Cab interior finish - Dark
Quality roof console, 2 storage compartments with doors including 1 with key lock, 3 storage spaces with nets, 4 ISO modules
Central storage under bunk
Interior sun blind on windscreen and driver's side window
Digital camera not supplied, no digital connections available
Without tachograph
Without tachograph calibration
Electrically operated roof hatch.
Mosquito net on air vent
Interior roof grab handle
Rubber insulating floor mats
COMFORT DRIVER'S SEAT:
Adjustable vertical damping
Seat squab tilt
Length and height-adjustable
Removable cover
Adjustable headrest
Seat quick-drop function with height setting memory
Seat back side support adjustment
Seat cushion side support adjustment
Adjustable lumbar support
Extendible seat squab cushion
Driver's seat suspension lock function
Two driver's armrests
Red seat belts
Seat belt fastened reminder
seat squab tilt
Length-adjustable
Integral headrest
Without air suspension
Two passenger armrests
Cloth fabric trim
Sérénité lower bunk: 2018mm long, 670mm wide (790mm between seats), mattress thickness: 170mm
Blower
Air blower inside the cab
Central storage under bunk
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 V & 5 V socket (bunk)
2 storage boxes under bunk, one accessible from interior and exterior
Two coat hooks on rear panel and one on passenger side
First-aid box (Arab countries)
Driver's window with impulse control.
Reinforced heat insulation
Electronically regulated comfort air conditioning with compressor optimisation
Cab air filtration, washable filter
Log-book in Arabic
2 loudspeakers and 2 tweeters
2 kg fire extinguisher in cab, accessible from inside and outside the cab

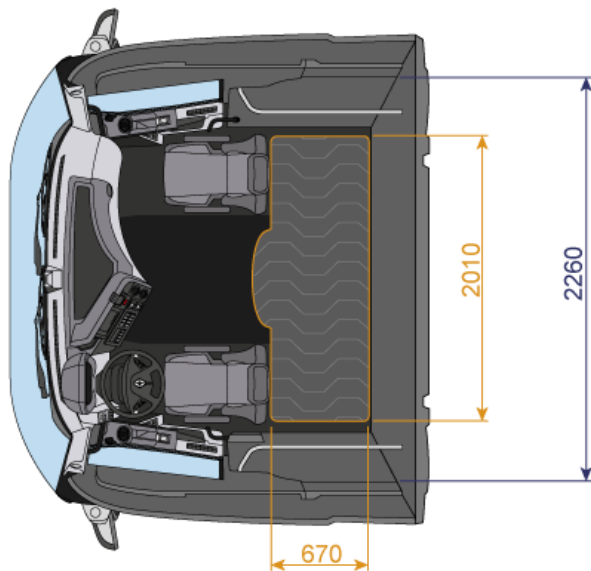
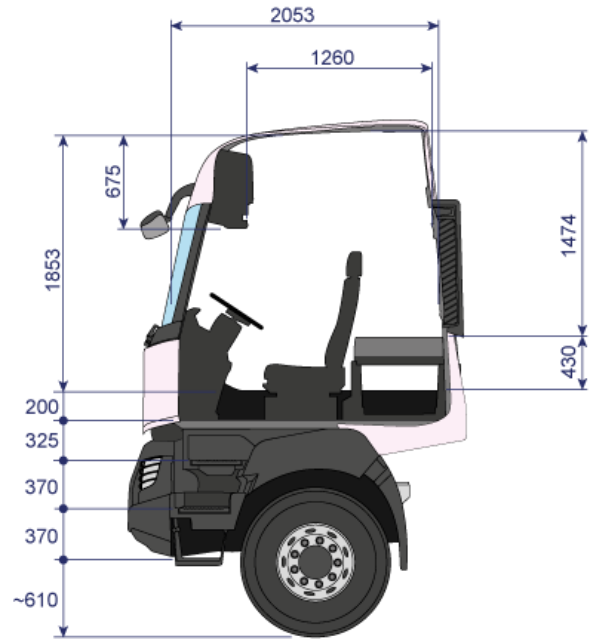


Steering wheel equipment:

"Performance" 4-spoke steering wheel adjustable for height and depth, with control for cruise control
OPTIDRIVER control
OPTIBRAKE and retarder control on right-hand side
3-way adjustable steering column
Writing clipboard
Multifunction screen with DAB radio

Instrument panel:

COMPACT dashboard
12" HD colour information display
12 V + 24 V socket on dashboard, for accessories.
Starting inhibitor controlled by transponder key.
Start button
Customer adjustable overspeed downhill
Cruise control and speed limiter configurable by rotary control
Power mode inhibited after passing the 'hard spot' of the accelerator pedal
Without Eco Mode



ELECTRONIC EQUIPMENT:

Multilingual display
SAE cab socket for vehicle data extraction
Assistance button for geolocation via the 24/7 platform
4G TGW3 telematics unit (telematic gateway) including an antenna and enabling subscription to Optifleet services (Map, Check, Drive)
AT&T SIM card

ELECTRICAL EQUIPMENT

Battery capacity: 225 Ah
Maintenance-free batteries
Battery cut-out remote control
Electrical circuit automatically goes to standby
Display of battery voltage and current information on the main display.
Alternator : 150 amp capacity.
No protection on rear lights
LED rear signalling and lighting (EEC standard e2 10113)

CHASSIS

Chassis protective paintwork, mineral grey colour
technical code: 03650
Chassis reinforcement from gearbox cross member to rear axle.

Spar thickness: 13mm.(8mm spars + 5mm reinforcement)

Reinforced removable front towing cap

Transmission crossmember Medium

Closing cross member with pre-drilling for towing yoke

Towing and manoeuvring yoke

High fifth wheel mounting H=90 mm

Just 38C, 3.5" cast iron fifth wheel, D 260 kN

Fifth wheel position: Y = -375 mm

Rear manwalk.

Compact air filtration with pre-filter construction suitable for dusty environments such as construction sites

Raised wing position (+30mm) recommended for poor and very poor road surfaces

Two wheel chocks with bracket.

Vertical stainless steel exhaust outlet with heat shield

BUMPER - STEPS AND LIGHTING

Steel bumpers

Headlight protective plexiglass

Retractable windscreen access steps in radiator grille and under bumper

Access to driving position by 4 steps. 1st step flexible and of composite material.

Step lighting

Metallic door sills

BUMPER CORNERS AND CENTER PAINTED IN BLACK

Automatic windscreen wiping with rain sensor and automatic illumination of lights

Running lights

Provision for lighting rail on roof

White LED work light (850 lm)

Front fog lights.

2 rotating orange LED lights

SUSPENSION

Front Suspension

3-leaf reinforced front leaf springs

Front anti-roll bar.

GEARBOX RATIOS

R1	R2	R3	1	2	3	4	5	6	7	8	9	10	11	12
17.49	13.73	4.02	14.94	11.73	9.04	7.09	5.54	4.35	3.44	2.70	2.08	1.63	1.27	1.00

Rear suspension:

11-leaf elliptic suspension

Rear shock absorbers

Rear loading capacity (technical max.): 32 t

FUEL TANK

Main aluminium tank

Main fuel tank: 445 litres capacity D560 profile mounted on right

Anti-siphoning device

Heavy duty sedimenter and prefilter (R90).Bleed control on dashboard.

AdBlue

48-litre AdBlue tank.

"D" profile, 560 mm diameter.

Urea tank on the left

STANDARD EQUIPMENT

Tool kit.

Tyre pressure gauge

Tyre inflation extension piece

Jack 20t

Warning triangle.

Reversing warning buzzer, including night switch.

Windscreen washer bottle capacity: 8.8L

BODYWORK

Bodybuilder access through bulkhead

Orange LED side marker lights with reflector

Interface for bodybuilder connections and BBM module (Body Builder Module)

SERVICE

MANAGE TIRES connected app