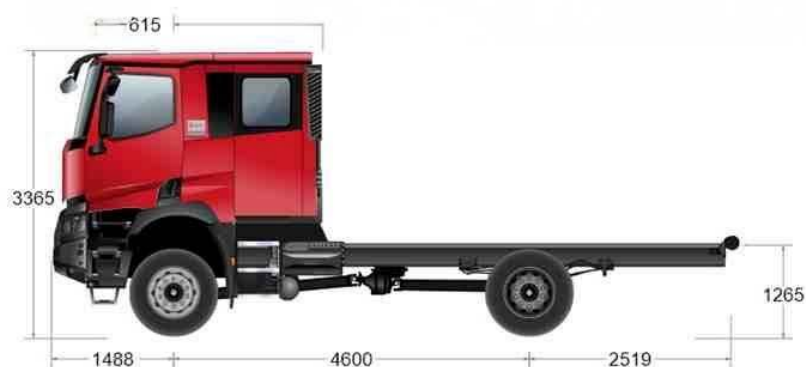


RENAULT TRUCKS K P4X4 MEDIUM 13L E6 - GVW 18 t / GVW 40 t

RENAULT TRUCKS

Body type:
AUTOTRANSPORTER



MASSES

Wheelbase		mm	4,600
Maximum permissible gross weight for registration purposes	Total (GVW)	kg	18000
Payload	(C)	kg	8663
Chassis weight	Sum	kg	9337
	front axle group (lowered axle)	kg	6252
	rear axle group (lowered axle)	kg	3085
Maximum permissible gross weight for registration purposes	Front axle 1	kg	9000
	Rear axle 1	kg	11500
Maximum technical weight	Total weight (CoC: 16.1)	kg	22000
	front axle group (CoC: 16.3)	kg	9000
	rear axle group (CoC: 16.3)	kg	13000

The table takes into account the weight of the RENAULT TRUCKS option, full tanks of AdBlue, oil, windshield washer fluid and coolant, fuel level in the tank 90% with driver (75 kg)

In order to maintain driving comfort (steerability, braking) under all load and driving conditions after the vehicle has been fitted, the following minimum load on the front axle must be observed: a value corresponding to 29% of the unladen weight of the vehicle in full swing (with driver without passenger)

LENGTHS

Wheelbase		mm	4,600
Built-in length	min (Wmin/BEP L105)	mm	5330
	max. (Wmax/BEP L105)	mm	6745

Front overhang	(H/BEP L016)	mm	1488
The beginning of the development	(B/BEP L102)	mm	615
Wheelbase	(F/BEP L011)	mm	4600
Technical Spacing	(F/BEP L015)	mm	4600
Rear overhang	(BEP L017)	mm	2519
Total length of the chassis	(A/BEP L001)	mm	8524
Load center of gravity	mini (Ymin/BEP L104)	mm	613
	max. (Ymax/BEP L103)	mm	1320
Minimum Vehicle Length (Z)	(Zmin / BEP L001)	mm	7433
Maximum Vehicle Length (Z)	(Zmax/BEP L001)	mm	8848
Rear body overhang	mini (Xmin/BEP L017)	mm	1345
	max. (Xmax: BEP L017)	mm	2760

HEIGHTS

Wheelbase		mm	4,600
Roof height from the ground without load	(O)	mm	3365
Maximum External Height Without Load	(BEP H001)	mm	3452
Height of stringers	(BEP H032)	mm	300
Ground clearance, with load	front (U1 / BEP H015)	mm	331
	rear (U3 / BEP H016)	mm	327
Frame height from the ground in the front axle position	No load (H1 / BEP H035)	mm	1240
	with load (H1 / BEP H036)	mm	1186
Frame height from the ground in the bridge position	No load (H2 / BEP H037)	mm	1265
	with load (H2 / BEP H038)	mm	1186
Height of the end of the frame from the ground	No load (HN)	mm	1278
	with load (HN)	mm	1186

WIDTHS

Wheelbase		mm	4,600
Cabin width with fenders	(BEP W002)	mm	2492
Frame width	front (BEP W035)	mm	1080
	rear (BEP W036)	mm	852
Width at rear wheel height	rear axle 1 (V3 / BEP W003.2)	mm	2499
Track width	front (V1 / BEP W013.1)	mm	2128
	Rear 1 (V2 / BEP W013.2)	mm	1837

MISCELLANEOUS

Wheelbase		mm	4,600
Thickness of stringers	(BEP W034)	mm	13
Turning radius	Between curbs	mm	8744,5
	external (BEP W012)	mm	9300

DE 13 ENGINE

Maximum power: 330 kW from 1404 to 1700 rpm.

Maximum torque: 2200 Nm from 925 to 1400 rpm

Diesel, 6 cylinder, in-line - High pressure injection (2000 bar) - 24 valves, camshaft in head, rear timing

Capacity 12.8 l

Electronically controlled fan

Turbocharged

Direction of rotation (SB side): counterclockwise

Oil filter with clarifier

Oil change period maximum 100,000 km

Steel Oil Pan

Engine adapted to fuel with high sulphur content

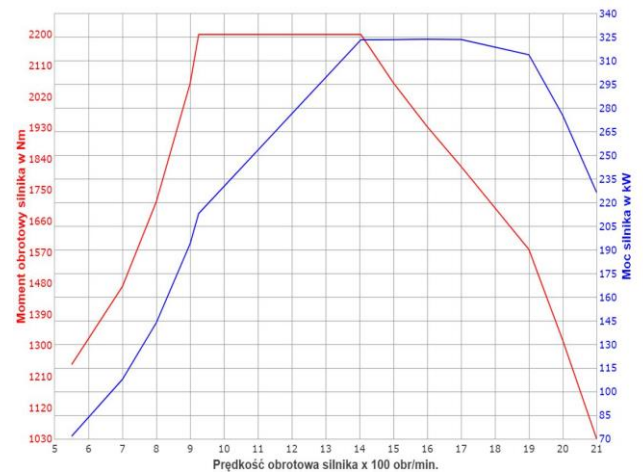
EU EURO VI emission level

Exhaust gas treatment system compact (catalytic converter, DPF, SCR)

Coolant

Automatic regeneration of the diesel particulate filter with manual control

Noise standard R51.03 phase 2



ENGINE ACCESSORIES

Flywheel housing made of aluminum.

Muddy site control

Power mode (Eco - Eco off)

Partial recirculation of oil vapours (semi-closed system)

Cold engine start system by heating the intake air.

Motor power take-off:

DIN 100 flange output

Permanent drive

Direction of rotation: motor

Torque: 1000 Nm

Gear ratio: 1.26

Position: 1 p.m.

Electronic speed limiter (90 km/h)

CLUTCH

Single-disc clutch with a diameter of 430 mm

GEARBOX

Gearbox Optidriver ATO 2612 (11.73 - 0.79) automatic clutch, aluminum housing.

Maximum torque 2550 Nm. 12 forward and 3 reverse gears.

Selection of gear mode at the steering wheel (automatic / manual).

Aluminum rear gearbox housing

Oil/water gearbox oil cooler with external heat exchanger

TRANSFER CASE

BTC 2501 single-speed transfer case

No differential lock

RETARDER

OPTIBRAKE+ (power: 340 kW at 2300 rpm)

combination of exhaust and engine decompression brake, can be coupled to the service brake

POWER TAKE-OFF

PTR-FH7 Power Take-Off

Output: Flange (DIN 90)

Direction of rotation: like motor.

Torque: 600 Nm

Gear ratios: 1.57 / 2.00

Position: 4 p.m.

STEERING

Hydraulic power steering

Steering Gear Ratio 26.2

Hydraulic assistance system with 1st independent circuit and 1st pump.

Right-hand traffic

FRONT BRIDGE

FRONT AXLE

Maintenance-free pin axle

PA 903 front axle with differential lock

Front axle load capacity: 9 t

TIRES AND WHEELS

Dimensions 385/65 + 315/80 R22.5

Profile B. M748 EVO / L355 EVO

Steel rims

ISO 11992 Tire Pressure Monitoring System

Steel covers for front wheel nuts

Spare wheel temporarily attached.

P1361 Bridge with Final Drives

Differential lock

Rear axle load capacity (max. technical): 13 t

Bridge Ratio: 4.12

Engine speed at 90 km/h: 1469 rpm.

Service brake:

Air compressor 1100 l/min, 760 cm³ twin cylinder

Dual-circuit braking system.

Drum brakes

Rear brake disc dust cover

Electronic Air Control Unit (EACU):

Replacement of the dehumidifier cartridge optimized by the preventive maintenance procedure

Detachable compressor

Muffler in pneumatic system

Trailer brake system 2nd wired with ISO connectors, power supply (red), control (yellow).

Trailer connections on the rear beam

Rear brake cylinders in the upper position

EBS:

Anti-lock braking system (ABS)

Coupling of action of retarders and service brakes differential engagement control (if any) at <10 km/h (4x2)

Hill Start Aid

Brake Efficiency Alarm

Emergency Brake Assist (BAS).

Emergency Brake Lights (EBL)

Hazard Indicator Lights (EBL)

Handbrake:

EPB (Electronic Parking Brake) automatic parking brake, immobilization with spring spreaders

Reinforced handbrake

CABIN

Outside the cabin:

Day cab

The frame of the cabin is made of galvanized steel and protected against corrosion by cataphoresis.

Cab colour : RED RAL 3000

Technical code: 11739

Red Plate

Mechanical cab suspension at 4 points.

2 heated, remote-controlled rear-view mirrors.

2 wide-angle mirrors.

Ramp mirror.

Built-in rear-view mirrors max. width of 2550 mm.

Front access mirror

Pneumatic beep

Front fender flaps

Black cab access steps

Exterior cab finishing elements black.

Sun visor.

Glued, tinted windshield.

No rear window.

Adaptation: "Adaptation of the XL Brigade Cabin"

Cabin interior:

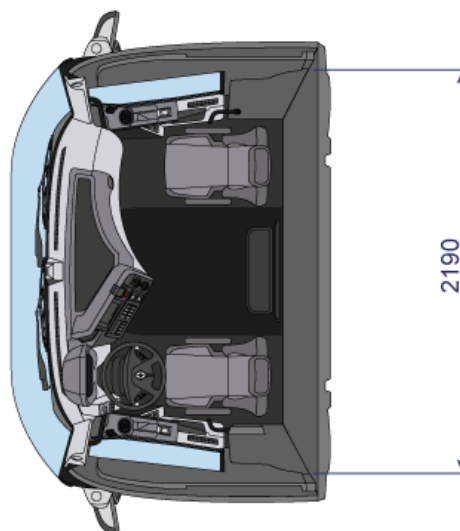
Black entry handles
Cab interior trim - dark
Quality Roof Storage Compartments, 1 Lockable Storage Compartment, 1 Mesh Storage Compartment, 4 ISO Modules
Windshield and side window sun blinds on the driver's side
Digital reversing camera
Preparation for installation of C.B. radio.
Digital tachograph DTCO 4.1
No tachograph calibration
24V socket under the roof
Manual roof vent
Roof vent mosquito net
Rubber floor mats
COMFORTABLE DRIVER'S SEAT:
Adjustable vertical suspension
Seat inclination
Adjustable length and height
Removable cover
Adjustable headrest
Quick seat lowering with height memory
Adjustable lateral backrest support
Adjustable seat cushion side support
Adjustable lumbar support
Extendable seat cushion
Driver's seat suspension locking function
Two driver's armrests
Red seat belts
Seat belt signal
Passenger seat "comfort" :
Air Suspension
Adjustable vertical cushioning
Cervical support
Height adjustment
Easy Access
Storage behind the backrest
2 armrests
Two passenger armrests
Fabric upholstery.
Blower Seat
Reading Lights on the Shelf
Direct cab lighting
Gradual extinguishing of the lighting in the cab.
2 hangers on the back wall
Impulse driver's window
Independent air heating of the cabin 2 kW. Air distribution through three air vents (at the back of the left seat, at the back of the right seat and above the couch.
Thermal insulation
Electronically controlled air conditioning.
Cabin Air Filtration, Washable Filter
User manual in English
2 speakers.

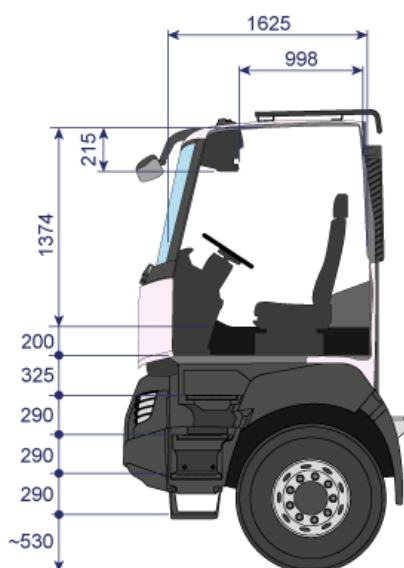
Steering wheel equipment:

"Performance" 4-spoke steering wheel, adjustable in two planes, with cruise control control
OPTIDRIVER control
Retarder and OPTIBRAKE control on the right
2-way adjustable steering column
Writing desktop
Touchscreen, multifunction with DAB radio

Dashboard:

Dashboard short
12V + 24V socket on the dashboard for accessories.
Engine start lock key.
Boot button
Maximum speed adjustment on the descent by the customer.
Knob configurable controller and speed limiter
Power mode (Eco - Eco off)
Without ECO mode





ELECTRONIC EQUIPMENT

Display in Polish and English

Additional language (German)

OBD socket in the cabin for downloading data and vehicle diagnostics.

Assistance button for easy location via the platform 24/7

4G telematics module TGW3 (telematic gate away) with antenna and Optifleet subscription (Map, Chek, Drive)

Telenor SIM card

Driver Drowsiness Warning (DDAW) and Lane Change Alert (LDWS)

Side radars for detecting unprotected road users on the left and right

ELECTRICAL EQUIPMENT

225 Ah battery.

Maintenance-free batteries

Remote control of the battery switch

Automatic activation of the electrical standby mode

No grilles on the taillights

FRAME

Painting the frame gray

Technical code: 03650

Chassis reinforcement from the rear of the engine to the rear of the chassis

Standard overhang, holes for body mounting.

Front tow hook, removable reinforced

Rear overrun beam temporarily installed

Shaft crossbar medium

Trailer crossbar for coupling G150 (100 x 160 mm mounting)

ROCKINGER 400 G 150 coupling, DIN 150 holes and stem diameter 40 mm, D 130 kN

Dual cartridge air filter for high dust

2 plastic wheel chocks.

Wheel chock in rear overhang

Exhaust between stringers.

Equipment mounted on the vehicle for pick-up on wheels

BUMPERS - ENTRY STEPS AND LIGHTING

Steel bumper

Steps to access the windshield in the grille and under the bumper (folding)

4 entrance steps to the cabin.

The first stage is made of composite.

Cabin step lighting.

3-piece bumper painted black

Wipers with rain sensor and automatic switching on of lights.

Daytime running lights

Preparation for the headlight bracket on the roof

Front fog lights.

Preparation for rotating lights.

SUSPENSION

Front suspension

Reinforced 3-leaf parabolic front springs

Standard stabilizer

Rear suspension

4-leaf parabolic rear springs

Rear stabilizer

Rear shock absorber

FUEL TANK

Steel main tank.

255 litre tank (D560) on the right

Fuel Filter Heater

Heating and insulation of the diesel system

Reinforced pre-filter with clarifier (R90). Drainage control on the dashboard.

AdBlue

AdBlue tank 48 liters .
D-shaped profile with a diameter of 560 mm.
AdBlue tank on the right

STANDARD EQUIPMENT

Toolkit.
[Hose Extension Cable For Inflating Wheels](#)
Reverse Buzzer.
Washer fluid tank capacity 8.8 l

BODY

[Double fire cabin 6-seater, 4-door](#)
[Free space behind the second front axle](#)
Body mounting brackets (front only)
LED side marker lights orange with reflective .
Body Builder Module (BBM)
[Body-on-frame electrical interface](#)

SERVICE

Optifleet:

Adaptation of Optifleet Check on a monthly basis: technical data reports for the control of fuel consumption in a given vehicle by a given driver, activation of the service by submitting an application for a monthly subscription
Optifleet Map adaptation monthly: vehicle location, geobarrier and route analysis. Enabling the service by applying for a monthly subscription.

ADAS SETTINGS web application
DRIVER TIMES SUPPORT Web App
[PARKING CLIMATE web application](#)
MANAGE TIRES web application

GEARBOX RATIOS

R1	R2	R3	1	2	3	4	5	6	7	8	9	10	11	12
13.73	10.78	3.16	11.73	9.21	7.09	5.57	4.35	3.41	2.70	2.12	1.63	1.28	1.00	0.79

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