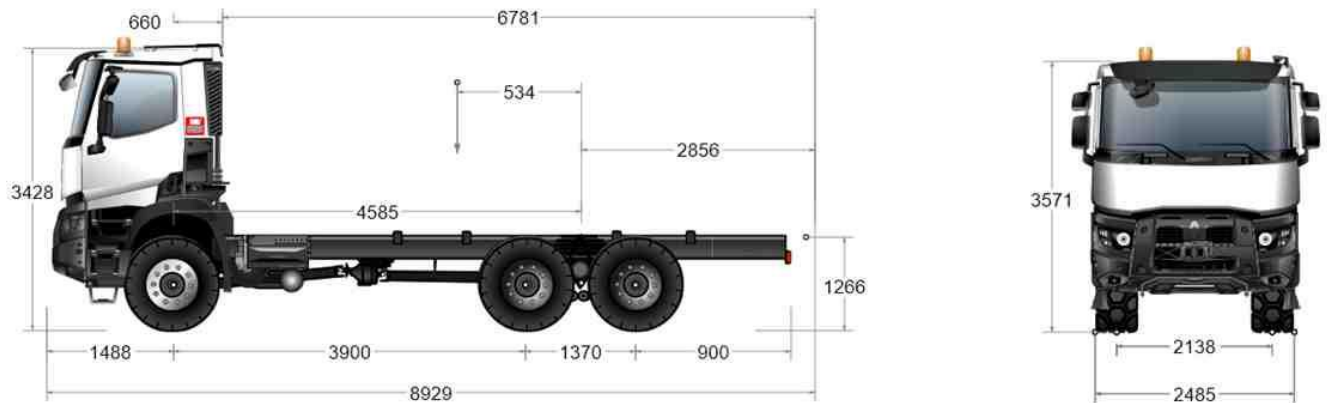


Model code : POT\_31KP036HVV01  
Print date: 22/02/2023  
Last updated: 22/02/2023

Prepared for :

## RENAULT TRUCKS K P6X6 HEAVY 13L E6 - GVW 26T / PTR=70T

### RENAULT TRUCKS



### WEIGHTS

Wheelbase		mm	3.900
Payload	(C)	Kg	15224
Maximum Weight (registered)	Total (GVW)	Kg	26000
	Front axle(s)	Kg	8000
	Front axle 1	Kg	8000.00
	Rear axle(s)	Kg	19000
	rear axle 1	Kg	9500
	rear axle 2	Kg	9500
Kerb Weight	total	Kg	10776
Chassis cab kerb weight	Front Axle 1	Kg	5938.00
	Rear Axle 1	Kg	2419.00
	Rear Axle 2	Kg	2419.00
	Front axles (Liftable axle down)	Kg	5938
	Rear axles (Liftable axle down)	Kg	4838
Total vehicle weight under full load at YMAX	Front axle(s)	Kg	8712.00
	Rear axle(s)	Kg	17288.00
Total vehicle weight under full load at YMIN	Front axle(s)	Kg	7712.00
	Rear axle(s)	Kg	18288.00

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	1488
Wheelbase	(F / BEP L011)	mm	3900
Technical wheelbase	(F' / BEP L015)	mm	4585
Axle Spacing	Axle 2-3 (BEP L012.2)	mm	1370.00
Rear overhang	Chassis, overall (BEP L017)	mm	900
Bodywork rear overhang	Min. (Xmin / BEP L017)	mm	2254
	Max. (Xmax / BEP L017)	mm	2856
Rear overhang	from end of technical wheelbase (N')	mm	1435.00
Cab entry	(B / BEP L102)	mm	660
Body length	Min. (Wmin / BEP L105)	mm	6179
	Max. (Wmax / BEP L105)	mm	6781
Load Centre of Gravity	Total	mm	0
Centre of Gravity of load	Max. (Ymax / BEP L103)	mm	836
	Min. (Ymin / BEP L104)	mm	534
Centre of Gravity of vehicle	at X (BEP L044)	mm	2073.00
Overall Chassis Length	(A / BEP L001)	mm	7658

## HEIGHTS

<b>Wheelbase</b>		<b>mm</b>	<b>3.900</b>
Ground clearance, laden	Rear (U3 / BEP H016)	mm	338
	Front (U1 / BEP H015)	mm	380
Max. exterior height unladen	(BEP H001)	mm	3571
Max. exterior height, cab tilted, unladen	(O1 / BEP H061)	mm	4082.00
Cab height (unladen)	(O)	mm	3428
Distance from ground to lowest point at front of vehicle	Unladen (H0 / BEP H18)	mm	
	Laden (H0 / BEP H18)	mm	619.00
Frame top height at front axle	Unladen (H1 / BEP H035)	mm	1303.00
	Laden (H1 / BEP H036)	mm	1235.00
Frame top height at drive axle	Unladen (H2 / BEP H037)	mm	1266
	Laden (H2 / BEP H038)	mm	1186
Frame top height at the rear of the frame	Unladen (HN)	mm	1245.00
	Laden (HN)	mm	1158.00
Centre of Gravity of vehicle	Unladen at Z (BEP H044)	mm	986.00
Side member height	(BEP H032)	mm	300.00

## TOWING DEVICE

<b>Wheelbase</b>		<b>mm</b>	<b>3.900</b>
Distance between the front of the vehicle and the centre of the trailer coupling device	(BEP L045 + L016)	mm	7693.00
Distance between centre of last axle to centre of coupling device		mm	
Height of towing hook / top of side member	(BEP H045)	mm	180.00

## WIDTHS

<b>Wheelbase</b>		<b>mm</b>	<b>3.900</b>
Max exterior cab width with rear view mirrors open	(BEP W001)	mm	2980.00
Max. cab width	(BEP W002)	mm	2529
Frame width	Front (BEP W035)	mm	1080
	Rear (BEP W036)	mm	852
Width at rear wheels	Rear axle 1 (V3 / BEP W003.2)	mm	2485
Track	Rear 1 (V2 / BEP W013.2)	mm	2099
	Front (V1 / BEP W013.1)	mm	2138

## OTHER

<b>Wheelbase</b>		<b>mm</b>	<b>3.900</b>
------------------	--	-----------	--------------

Approach angle	(BEP H010)	°	33
Ramp angle	(BEP H012)	°	28.60
Departure angle	(BEP H011)	°	49.40
Side member thickness	(BEP W034)	mm	13.00
Turning Radius	Overall (BEP W012)	mm	9450.00
	kerb to kerb	mm	8943.00
	interior	mm	4867.00

### 13 ENGINE

*Max. power output: 390 kW between 1431 and 1700 rpm*

*Max. torque: 2550 Nm from 990 rpm to 1400 rpm*

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

Sheet metal oil sump

Engine adapted to sulphur diesel

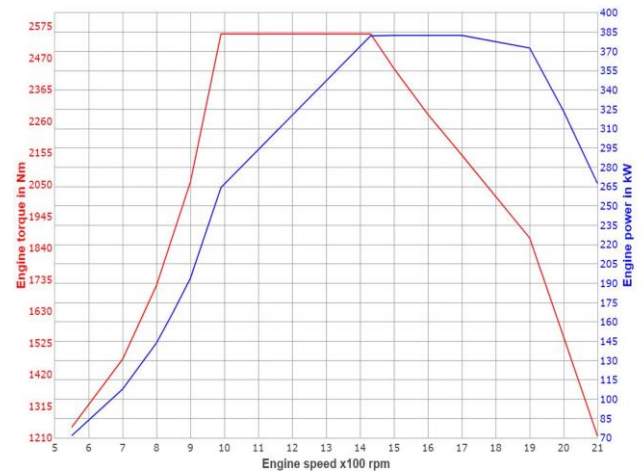
EEC EURO VI pollution control level

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

Cooling liquid

*Automatic particulate filter regeneration with manual control*

R51.03 phase 2 noise emissions standard



Single-stage transfer box BT C 2501  
Without differential lock

### ENGINE EQUIPMENT

Aluminium engine flywheel casing.

Fast idling control whilst moving (muddy site)

Partial gas recycling (semi-closed circuit)

Intake air preheating cold starting device

Without engine Power Take Off.

Electronic speed limiter (90 km/h).

### RETARDER

OPTIBRAKE+ (power rating 340 kW at 2300 rpm):  
combination of the exhaust brake and valve compression  
braking, coupled to service brake

### CLUTCH

Single-plate clutch, diameter 430 mm

### POWER TAKE-OFF

Power take-off S81

Output: splined hollow shaft (DIN 5462)

Direction of rotation: as engine

Torque: 1000 Nm

Ratios: 0.33/0.71/0.90

Position: 6 o'clock

### GEARBOX

*Optidriver Xtended AT 2614 gearbox (32.04 - 1) with automatic clutch. Aluminium housing.*

*Max. torque 2550 Nm, 14-speed including 2 forward crawler gears and 5 reverse gears including two extra short-ratio.*

*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

### STEERING

Power steering, variable-flow hydraulic pump

Steering ratio 26.2:1 - Steering wheel diameter 460 mm

Driving on the right

### FRT. DR. AXLE

### TRANSFER BOX

### FRONT AXLE



*Front suspension lubrication point. Pivot with maintenance-free rubber ring. Greased front suspension spring.*  
Front drive axle PA 903

## WHEELS AND TYRES

*Dimension 395/85 R20, single wheel fitment  
C. HCS / HCS TUBETYPE profile*

Steel disc wheels  
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: 3.76  
Engine speed at 90 km/h: 1567 rpm

### Service brake:

*Twin-cylinder air compressor 1100 l/min, 760 cm<sup>3</sup>*  
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.  
*Steel protective cover on EACU*  
Disengageable air compressor  
Silencer on pneumatic circuit  
Two line trailer braking system (ISO connections).  
Trailer brake device on rear crossmember  
High-position rear brake cylinders

### EBS:

Anti-lock braking system (ABS)  
Retarder and service brake linking  
Differential engagement management (if equipped) at speeds <10 km/h (4x2)  
Hill Start Aid  
Braking performance warning  
Emergency brake assist (EBA)  
Emergency brake lights (EBL)

### Parking brake:

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

## CAB

### Cab exterior:

Day 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.  
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  
*Laminated side windows.*  
Exterior parts finished in black  
*External sun visor*  
Tinted, laminated windscreen.  
Tinted rear cab window

### Cab interior:

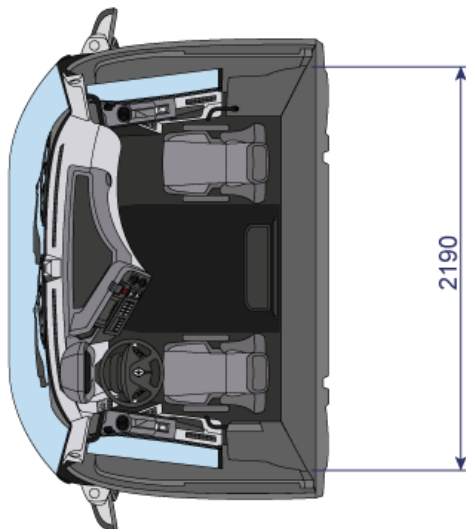
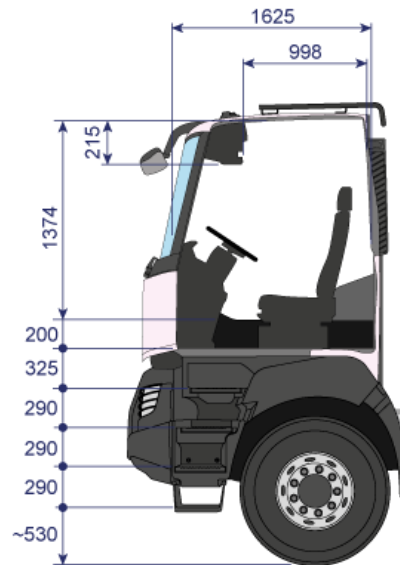
Cab interior finish - Dark  
Quality roof console, 1 storage compartment with key lock, 1 storage space with net and 4 ISO modules  
*Electric interior sun blind on windscreen and manual blind on driver's side window*  
No reversing camera  
*CB pre-equipment.*  
*DTCO 4.0 digital chronotachograph*  
Without tachograph calibration  
Manual roof vent  
Mosquito net on air vent  
*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*  
*Heating system (driver's seat)*  
*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  
Cloth fabric trim  
*Multi-compartment storage on engine tunnel with 24 V socket (Volume: 31 litres on T, C, K; 15 litres on D, D Wide, C 2.3m)*  
Blower  
*Air blower inside the cab*  
Reading lamps on overhead ledge  
Direct cab lighting  
Cab lighting time-delay.  
2 Coat hooks on rear panel  
Driver's window with impulse control.  
Reinforced heat insulation  
Electronic air conditioning.  
Cab air filtration, washable filter  
Handbook and Service pack in Polish.  
*2 loudspeakers and 2 tweeters*

### Steering wheel equipment:

"Performance" 4-spoke steering wheel adjustable for height and depth, with control for cruise control  
OPTIBRAKE and retarder control on right-hand side  
3-way adjustable steering column  
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:

COMPACT dashboard  
7" HD colour information display  
12V socket on dashboard, for accessories.  
Starting inhibitor controlled by transponder 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 Polish language display  
*Additional language (Ukrainian)*  
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)  
TELENOR SIM card

### ELECTRICAL EQUIPMENT

Battery capacity: 225 Ah  
Maintenance-free batteries  
Battery cut-out remote control  
Electrical circuit automatically goes to standby  
Alternator : 150 amp capacity.  
No protection on rear lights

### CHASSIS

Chassis protective paintwork, mineral grey colour  
technical code: 03650  
*Full chassis reinforcement, from front to rear of vehicle*  
*Overhang for tipper, pre-drilled for bodybuilder.*  
Reinforced removable front towing cap  
Without rear under-run bar .  
Transmission crossmember Medium  
Trailer cross member for G150 hook (100 x 160 mm attachment)  
*ROCKINGER 400 G 150 towing hitch, DIN 150 hole and 40mm diameter shaft, D 130 kN*  
Twin cartridge air filtration for dusty environments  
2 foldaway wheel chocks  
Wheel chock at front

Side exhaust.  
Truck completely equipped - jockey carriage

Reheating and insulation of fuel circuit  
Heavy duty sedimenter and prefilter (R90).Bleed control on dashboard.

## BUMPER - STEPS AND LIGHTING

Steel bumpers  
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  
*Reinforced cab access steps*  
*Metallic door sills*  
BUMPER CORNERS AND CENTER PAINTED IN BLACK  
*Cab rear access step and grab handle*  
Running lights  
Provision for lighting rail on roof  
*2 rotating orange LED lights*

## SUSPENSION

### Front suspension

*Front parabolic suspension - Reinforced 4 springs*  
Stabiliser bar

### Rear suspension:

*Rear 4-leaf reinforced parabolic suspension*  
Stabiliser bar  
Rear shock absorbers

## FUEL TANK

Main steel tank.  
Main fuel tank: 315 litres capacity D560 profile mounted on right  
Fuel filter heater

## GEARBOX RATIOS

C1	C2	1	2	3	4	5	6	7	8	9	10	11	12
32.04	19.38	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.*

## AdBlue

48-litre AdBlue tank.  
"D" profile, 560 mm diameter.  
Urea tank on the right

## STANDARD EQUIPMENT

Tool kit.  
Jack 15t  
Reversing warning buzzer, including night switch.  
Windscreen washer bottle capacity: 8.8L

## BODYWORK

*Body mounting brackets at the front and fastening plates at the rear*  
Orange LED side marker lights with reflector  
Interface for bodybuilder connections and BBM module (Body Builder Module) - High

## SERVICE

### Optifleet:

Pre-equipment for monthly Optifleet Check: technical data reports for fuel consumption monitoring by vehicle and by driver, activation of service on request subject to monthly subscription  
Pre-equipment for monthly Optifleet Map: vehicle geolocation, geofencing and route analysis. Activation of service on request subject to monthly subscription