

Model code : UKM_31KS016MED01
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Prepared for :

K P8X4 MEDIUM 11L E6 - GVW 32T / GTW 35.5 T

RENAULT TRUCKS

K 430

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 43% of the weight of the unladen bodied vehicle kerb weight (with driver, without passenger)

DTI 11 ENGINE

Max. power output: 316 kW between 1700 and 1900 rpm

Max. torque: 2050 Nm from 1000 rpm to 1400 rpm

Power output (UK): 424 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

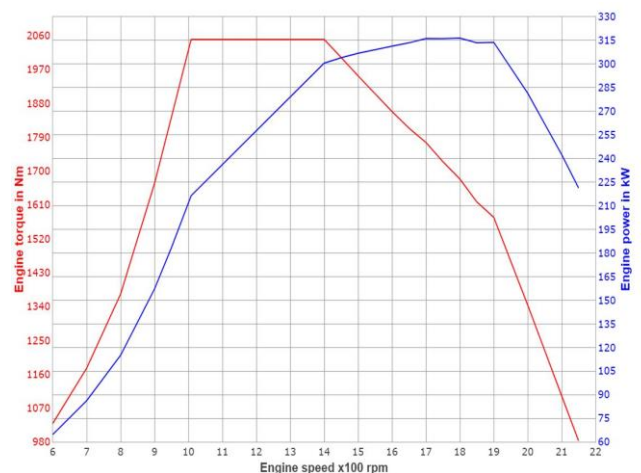
Sheet metal oil sump

EEC EURO VI pollution control level

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

Cooling liquid

Automatic particulate filter regeneration with manual control



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
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 ATO 2612F gearbox (11.73 - 0.79) 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.
Gearshifting strategy optimised for FUEL ECO
Gearbox rear intermediate housing in aluminium
Gearbox oil cooler, oil/water heat exchanger

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

Power take-off S81
Output: splined hollow shaft (DIN 5462)
Direction of rotation: opposite to engine
Torque: 1000 Nm
Ratios: 0.90/1.14
Position: 18h

STEERING

Right hand drive.
Hydraulic power steering, variable flow pump
Steering ratio 26.2:1 - Steering wheel diameter 460 mm
Integral hydraulic power assisted steering (2 independant circuits and 2 pumps).
Driving on the left
Front hub joints with grease nipples
Load capacity (technical max.) Front axle: 16 t
Equal load distribution on front

WHEELS AND TYRES

Dimension 315/80 R22.5
C. CROSSTRAC HS3 / HD3 profile
ALCOA brushed matt aluminium wheels
Chrome wheel nut protectors with chrome wheel nut caps
Spare wheel and tyre supplied loose.

REAR AXLES

Integral differential lock
Rear loading capacity (technical max.): 26 t
Rear load equally distributed
Drive axle ratio: 3.76
Engine speed at 90 km/h: 1358 rpm

Service brake:

Twin-cylinder air compressor 900 l/min, 636 cm³
Braking system with two independent circuits
Disc brakes.
Dust protection on rear brake
Electronic management of air production by EACU (Electronic Air Control Unit):
Dryer cartridge optimised by preventive maintenance.
Disengageable air compressor
Silencer on pneumatic circuit
Without rear trailer coupling.
Adaptation: "Forced parking brake if driver's door is open at a speed below 3 km/h"
Low-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

Parking brake:

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

Brake adjustment:

Automatic brake lining slack compensation.

Emergency brake:

Ensured by independence of main device circuits

CAB

Cab exterior:

Day cab
All steel Cab, electro-zinc plated and cataphoretic paint treatment.
Cab paint colour: Green RAL 6018
technical code: 01937
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
Front wing mudflaps
Basic accessories: cab colour
Tinted, laminated windscreen.
Tinted rear cab window

Cab interior:

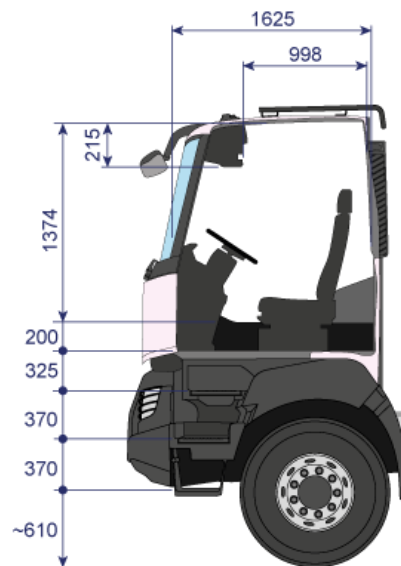
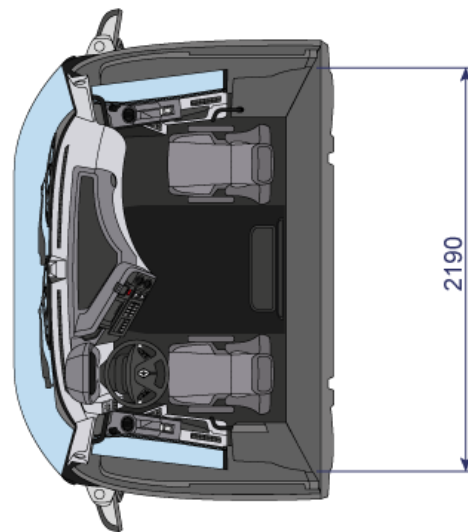
Performance finish
Quality roof console, 1 storage compartment with key lock, 1 storage space with net and 4 ISO modules
Interior sun blind on windscreen and driver's side window
- 7" colour multimedia touchscreen
DTCO 4.0 digital chronotachograph
Manual roof vent
Mosquito net on air vent
Rubber insulating floor mats
Two driver's armrests
Red seat belts
Cloth seat trim.
Multi-compartment storage on engine tunnel with 24 V socket
Reading lamps on overhead ledge
Direct cab lighting
Cab lighting time-delay.
2 Coat hooks on rear panel
Driver's window with impulse control.
Electronic air conditioning.
Cab air filtration, washable filter
Handbook and Service pack in English.
2 loudspeakers.

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
Easy Access steering column adjustable in 3 directions
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
12V socket on dashboard, for accessories.
Starting inhibitor controlled by transponder key.
Remote control central door locking with folding key
ECO Cruise control with Optiroll



ELECTRONIC EQUIPMENT:

English and French language display
Additional language (Spanish)
SAE cab socket for vehicle data extraction
FMS Gateway fleet management interface 3.0
Assistance button for geolocation via the 24/7 platform

ELECTRICAL EQUIPMENT

Battery capacity: 225 Ah
Maintenance-free batteries



Battery cut-out remote control
Electrical circuit automatically goes to standby
Alternator : 150 amp capacity.
LED rear signalling and lighting (EEC standard e2 10113)

CHASSIS

Chassis protective paintwork, mineral grey colour
technical code: 03650
Chassis reinforcement from rear of engine to rear end of chassis
Porte-à-faux avec prédisposition spécifique benne et longerons pré-perçés pour le carrossier
Reinforced removable front towing cap
Without rear under-run bar .
Transmission crossmember Medium
Closing cross member with pre-drilling for towing yoke
Twin cartridge air filtration for dusty environments
Side exhaust.

BUMPER - STEPS AND LIGHTING

3-part steel bumper with headlight grilles
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
Electrical headlamp levelling control.
Running lights
Provision for lighting rail on roof
Roof beacon pre-equipment

SUSPENSION

Front suspension

3-leaf reinforced front leaf springs
Stabiliser bar

Rear suspension:

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

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.

3-leaf parabolic rear springs
Stabiliser bar
Rear shock absorbers

FUEL TANK

Plastic tank positioned between the 2 front axles
275-litre plastic tank positioned between the two front axles on the left
Anti-siphoning device
Sedimenter and prefilter (R60). Bleed control on dashboard.

AdBlue

Plastic tank for 57 litres of AdBlue
Urea tank on the right

STANDARD EQUIPMENT

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

BODYWORK

Side members with bodywork bracket fastening holes
Orange LED side marker lights with reflector
Interface for bodybuilder connections and BBM module (Body Builder Module)
Bodybuilder electrical interface on chassis

SERVICE

Optifleet:

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

GEARBOX RATIOS

