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[www.renault-trucks.com](http://www.renault-trucks.com)



We recommend Renault Trucks Oils

RENAULT  
TRUCKS  
DELIVER

RENAULT  
KERAX

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<http://www.barringtondieselclub.co.za/>



BDC for engine manuals and specs  
<https://barringtondieselclub.co.za/>



RENAULT TRUCKS  
**BUILT TO BUILD**

Active internationally in more than 100 countries, Renault Trucks markets a range of vehicles that is specially engineered to satisfy your vocational needs and boost your efficiency. Robust and powerful, Renault Kerax stands out as the undisputed leader in the construction market, on every terrain, in every climate and for every application.



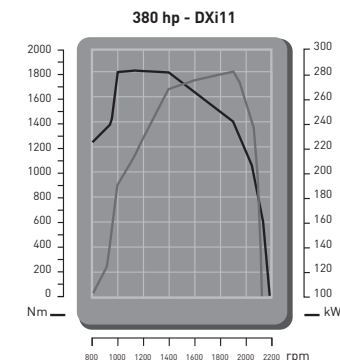
The Renault Kerax range offers five Euro 3 engine variants that provide the ideal compromise between low-speed torque and low consumption. The offering is completed by new drive axles and double-reduction tandems for over-the-road and off-road use. Chassis design has been further improved by interior reinforcements and enhanced steel quality to offer higher load capability. Mechanical and robotised gearboxes add to driver comfort while continuing the quest to further reduce consumption.

UP TO  
**490<sub>hp</sub>**

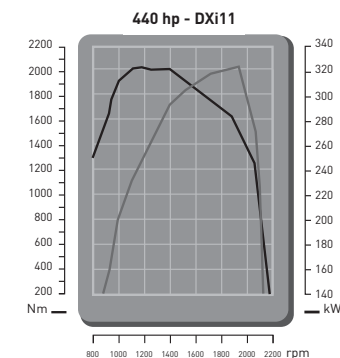
UP TO  
**34t**  
LOAD CAPACITY



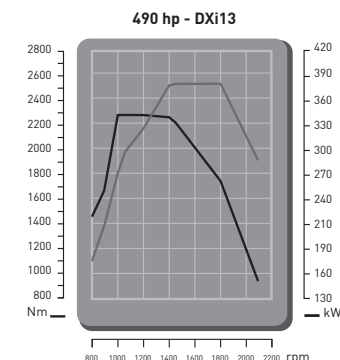
# IN EVERY SITUATION PULLING POWER AND DRIVEABILITY



MAX TORQUE  
AS OF  
**1000** rpm



UP TO  
**2400** Nm



OPTIDRIVER+  
ROBOTISED GEARBOX:  
**100%**  
OFF ROAD

## OPTIFUEL SOLUTIONS

With Optifuel Solutions, Renault Trucks offers the most efficient technologies and services geared to reducing fuel consumption: optimised drivelines, **Optidriver+**, robotised gearbox, Optifuel Training economy driver training and Optifuel Infomax.

## EURO 3 ENGINES: DELIVERING POWER AND TORQUE

With five engines tuned to meet the Euro 3 standard, the Renault Kerax range offers a choice of power ratings with high torque output to meet the most demanding needs in the construction sector. The DXi11 engine comes in power ratings of 330, 380 and 440 hp whereas the DXi13 engine develops 450 and 490 hp. These engines have been engineered to deliver high power and torque, with maximum torque available across an operating band from 1000 to 1400 rpm. This has the effect of improving pulling power across the most arduous worksites.

## DRIVELINE OPTIMISED FOR USE IN DIFFICULT TERRAIN

Renault Kerax allows customers the choice between a new 4- to 16-speed manual ZF Ecosplit gearbox that offers the best trade-off between engine torque and mobility, and the **Optidriver+** robotised gearbox that is perfect for off-road use and which can be deployed in automatic mode in over 90 % of all situations. Developing high torque at low engine speeds, the Renault Kerax DXi engines optimise the robustness of the entire driveline, promote low consumption and help to reduce operating and maintenance costs.



## EXCEPTIONAL OFF-ROAD CAPABILITY

Renault Kerax leads the market with a ground clearance of 385 mm at the front axle. Combined with its remarkable all-round pulling power, this gives the vehicle exceptional off-road and fording capabilities in difficult terrain; a major advantage on just about every worksite.



**385** mm  
GROUND  
CLEARANCE

## A CONFIGURATION FOR EVERY VOCATION

The Renault Kerax range can deliver all the different variants needed in the building sector through the seven available configurations (4x2, 4x4, 6x4, 6x6, 8x4, 8x6 and 8x8) and provide special pre-equipment to meet different construction needs. This level of versatility translates into more than 21 models available in both rigid and tractor configurations as well as 15 different wheelbases. With sidemembers reinforced to match the vehicle's application, the Renault Kerax chassis delivers unmatched solidity, irrespective of the chosen configuration.



ROBUSTNESS  
FOR STRENGTH



RENAULT KERAX LIGHT ELECTRONIC

Renault Kerax is now available in a Light Electronic (LE) version that is adapted for use in difficult environments.

This version is factory equipped with a diesel fuel prefilter/water separator unit on the chassis, numerous metal protection systems for critical vehicle units, oversized inter-axle prop shafts as well as inter-axle and inter-wheel locking systems.

The electronics system has been simplified through the use of interchangeable boxes, thus allowing the vehicle to continue its journey and complete its mission in the case of incidents.

RENAULT KERAX XTREM, READY FOR ANY CHALLENGE

The Renault Kerax XTrem upgrades the LE version by adding additional chassis reinforcements, reinforced front suspensions, 4-leaf parabolic rear suspension with a capacity of 38 t and R24 tyres. Renault Kerax XTrem is available in 6x4, 6x6 and 8x4.

The driveline, with 3361 or 3396 rear tandems and reinforced gearboxes, is adapted to handle the most arduous applications.

GVW  
120<sub>t</sub>



ULTRA-  
RESISTANT  
STEEL  
QUALITY



READY TO TAKE ON THE TOUGHEST APPLICATIONS

A three-part wraparound bumper, a 4-mm thick, lower protective skid-plate, recessed headlights separate from the bumper and fitted with protective grille, a lower cab-access step made of composite material and designed to be impact- and tear-resistant, and numerous other protective elements combine to make Renault Kerax a robust and dependable worktool.

SUSPENSIONS ADAPTED TO LOAD CAPACITY

Fitted with parabolic suspensions to 26 t and semi-elliptic for the 32 t variant, Renault Kerax suspensions are designed to work in severe operating conditions while offering maximum comfort. XTrem models can also be fitted with 4-leaf parabolic suspensions with a 38 t capacity. Renault Kerax is totally at ease in the different activities of the construction sector: earthworks, demolition, heavy equipment transport, quarry, log-transport, etc.

REINFORCED CHASSIS WITH A HEART OF STEEL

A new and more resilient quality of steel, interior reinforcements to match the severity of use (MD, HD, XHD and XTREM) and a chassis capable of withstanding a high level of torsion without buckling, now combine to form the basis of the enduring Renault Kerax chassis that has been designed to cope with the most difficult situations.



## EBS/ABS AVAILABLE AS AN OPTION

### ZF INTARDER RETARDER: EXTREMELY POWERFUL BRAKING SYSTEM

Because safety is paramount at Renault Trucks, the last generation of Renault Kerax trucks is fitted with a variety of braking systems: disc or drum brakes, exhaust brakes, engine brake and/or hydraulic retarder. These differing solutions deliver retardation performance capable of reaching 1000 kW in braking power.

### ROAD AND ALL-TERRAIN TYRES

Depending on the pulling power and ground clearance required, as well as on the type of terrain (mud, undulating, obstacles, quarries...) and load capacity, Renault Trucks can offer a wide range of tyres and a mix of profiles for Renault Kerax that will prove to be ideally suited to site and off-road applications.





PRIORITY TO YOU

## A COMFORTABLE WORK ENVIRONMENT



DOORS  
OPEN  
90°



3  
CAB DEPTHS

### ERGONOMICS AND FUNCTIONALITY

The Renault Kerax driving position has been designed to provide good working comfort and easy life on board, enabling the driver to take advantage of an ergonomic dashboard that is both functional and practical. All driving controls are within the driver's reach and field of vision. In the cab, the new interior colour schemes create a pleasant all-round atmosphere.

### PANORAMIC WINDSHIELD

On construction sites, here more than anywhere else, the driver needs to have excellent visibility. For this reason, Renault Kerax is fitted with a broad windshield and rear side windows that increase the field of vision by a further 30°.

### EASY CAB ACCESS

Whether in “Day”, “Global” or “Sleeper” version, the Renault Kerax cab is designed to allow easy access, with doors that open 90°, grab handles on the right and on the left, as well as stepwell lighting. Three non-slip steps and a shape-retaining foldaway step make it even easier to get in and out of the cab.



### RENAULT KERAX, FOR FAST, EASY BODYBUILDING

The chassis is straight and smooth throughout its bodying length, and its bolted-and-riveted design, pre-drilled sidemembers, vocation-specific rear overhang, attachment plates and/or brackets, pre-equipment for tooling installation (crane, etc), allow you to fit a wide range of bodies for construction needs.

21 TRACTOR  
AND RIGID  
MODELS

FACTORY  
PREFITTED  
CHASSIS





CABS

- 3 cab versions adapted to the needs and applications of your profession:
- **Day Cab:** 1.6 m deep, normal roof, for optimised bodying and a compact vehicle.
  - **Global Cab:** 2 m deep, normal roof. Four trim levels to ensure the vehicle is perfectly suited to the customer’s needs.
  - **Sleeper Cab:** 2.2 m deep for maximum comfort.

ENGINES

- DXi11 Euro 3**  
243 kW (330 hp) at 1900 rpm - 1650 Nm from 1000 to 1440 rpm.  
279 kW (379 hp) at 1900 rpm - 1900 Nm from 1000 to 1400 rpm.  
321 kW (436 hp) at 1900 rpm - 2000 Nm from 1100 to 1400 rpm.
- DXi13 Euro 3**  
331 kW (450 hp) from 1450 to 1800 rpm - 2200 Nm from 1050 to 1400 rpm.  
360 kW (490 hp) from 1450 to 1800 rpm - 2400 Nm from 1050 to 1400 rpm.

GEARBOXES

- New gearboxes guarantee the optimal combined advantages of payload, lower consumption and driving pleasure: three, 16-speed manual gearboxes and two 12-speed robotised gearboxes.
- 3 systems to enhance gearchanging comfort:
- **The cable control** brings comfort (vibration damping), flexibility and safety by preventing gears jumping out because of combined cab and chassis movement.
  - **Servoshift** gearchanging assistance that takes up 75 % of the effort needed to change gears.
  - Gearboxes are equipped with the **"Super H" pattern control**.

The Super H pattern control superimposes gears 5 to 8 onto gears 1 to 4.  
Simply press the button atop the gear lever knob to move from one speed range to another.  
The electro valve protects the system from gearchanging errors.  
The range splitter synchro protection prevents shifting from a high-range to a low-range gear.  
Gear selection is precise, fast (reduced throw) and safe (electro valve).  
The gearbox is adapted for use with double reduction drive axles, for even better mobility of the truck.

**Optidriver+** gearboxes are robotised boxes adapted for site delivery applications and integrate an "off-road" mode.  
Renault Kerax can also be equipped with the Allison series 4000 automatic gearbox.

POWER TAKE-OFF

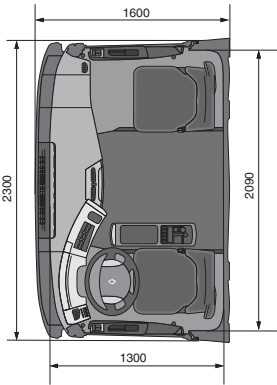
- Wide choice of electronic power take-off units for added safety and reliability:
- Power take-offs on the gearbox.
  - Rear-engine power take-off.
  - NMV high-power outlet between the engine and the gearbox.

DRIVE AXLES AND AXLES

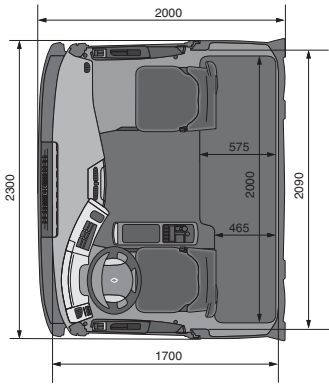
- Solo drive axles:**  
–P995 front drive axles for 4x4 - 6x6 - 8x6 - 8x8 configurations.  
–P1361 rear drive axles for 4x2 - 4x4 configurations.
- Tandem drive axles:**  
–2661, 3361 and 3396 tandems for 6x4 - 6x6 - 8x4 - 8x6 - 8x8 configurations.
- Axles:**  
One E93 front axle with 0 mm offset.

APM (AIR PRODUCT MANAGEMENT)

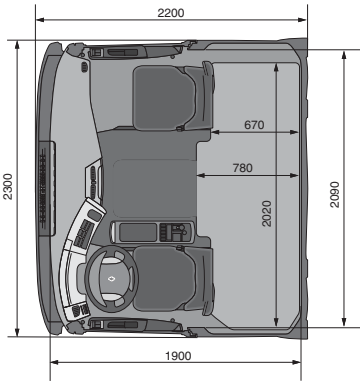
- Renault Trucks breaks new ground with its electronic air management system: Air Product Management. APM is a novel air system that brings greater safety, as well as savings in weight, consumption and maintenance:
- Switch from mechanical air production to electronic air production for enhanced safety and quality.
  - Optimised production and processing.
  - More braking power when travelling downhill.
  - Compressed air produced outside of acceleration phases.



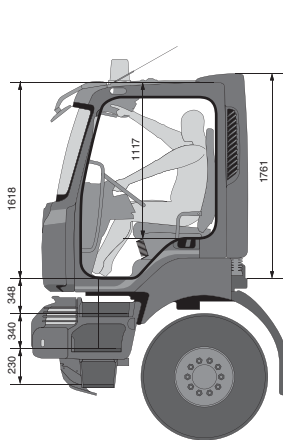
Day Cab



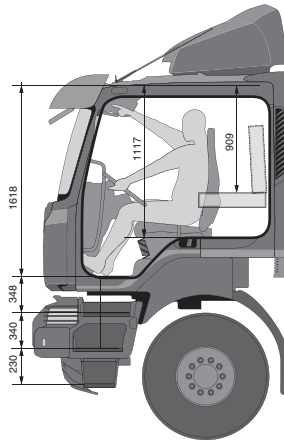
Global Cab



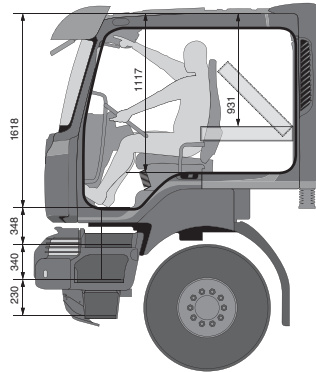
Sleeper Cab



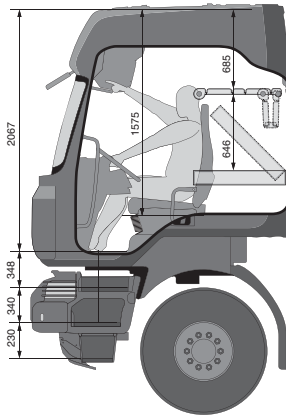
Day Cab



Global Cab  
Normal roof



Sleeper Cab  
Normal roof



Sleeper Cab  
Raised roof

BRAKES

Renault Kerax comes standard with drum brakes. It can also receive the latest generation of the Electronic Braking System, an electronically-controlled air brake system that adjusts the brake pressure applied to each wheel so as to match road adherence conditions.

EBS Basic +

- ABS: vehicle trajectory control during emergency stops.
- Emergency braking assistance: optimised braking distance during emergency braking.
- Engine brake management: on a lightly-loaded vehicle, prevents the rear wheels from locking up when downshifting on wet road surfaces and keeps the vehicle under control.
- Hill-start assistance: releases the brakes without the vehicle rolling backwards.
- ASR wheel antiskid system: maintains control of the vehicle on slippery ground.
- Brake pad wear balancing system: wear balancing between axles so as to carry out a single maintenance operation.

Coupling the brake systems

Renault Trucks can couple the different brake systems: service brakes, engine brake and retarders.  
The system is controlled by EBS (electronic brake management) or automatically by pressing the brake pedal:  
– Optimised braking, adjusted to match axle load.  
– Longer service life of brake pads: distribution of wear.  
– Rapid response time.  
– Flexible driving.  
– 100 % braking capacity available for use.

SUSPENSIONS

Front and rear suspensions (normal or reinforced) with shock absorbers and stabiliser bar.  
Parabolic front suspension with a capacity of 8 t and 9 t.  
Parabolic rear suspension with a capacity of 13 t or 15 t.  
Rear suspension with a capacity of 26 t (parabolic), 32 t (semi-elliptical) or 38 t (4-leaf parabolic) for tandems.

PREVENTING IMMOBILISING INCIDENTS AND BREAKDOWNS

Renault Trucks Approved Parts: original part quality

Replacement parts carrying the Approved Parts label have been designed and certified to guarantee the quality and reliability of Renault Trucks vehicles. The label is the constructor’s seal of approval and commitment to ensuring the original performance standards of its vehicles and the longevity of their use.

All-inclusive servicing

All-inclusive serving covers parts and labour at predetermined prices. Operations are carried out by qualified experts, using Renault Trucks Approved Parts.

THE FORCE OF A NETWORK

The Renault Trucks network relies on trained professionals who are committed to satisfying your requests promptly.  
You can be sure that you receive the best in service quality when we attend to your vehicle. Renault Trucks workshops are equipped with specialised tools and the most advanced diagnostic systems interfacing with Renault Trucks Techlines.

WORKFORCE KNOW-HOW AND EXPERTISE

Regular training of our repair and maintenance technicians in our 15 international training centres provides added assurance as to the quality of the diagnostics and repairs carried out on your vehicles.

KEEPING MAINTENANCE AND REPAIR COSTS UNDER CONTROL

Expandys warranty extensions

Get proper insurance on the critical components of your vehicle, based on an estimate that takes into account mileage, time period and desired level of coverage.

KEEPING FUEL CONSUMPTION UNDER CONTROL

Optifuel Programme

Optifuel Programme is the global solution to reduce the fuel costs in your company. The program, combining Optifuel Training and Optifuel Infomax, is geared for monitors, driver trainers and fleet managers who can then train their drivers.

Optifuel Infomax

Optifuel Infomax is the vehicle application and monitoring tool that is also used to build awareness to economy driving. Using its instructional capabilities and intuitive interface, you are able to control your vehicle’s consumption and pinpoint areas where savings can be made.

Optifuel Training

Take advantage of the experience and expertise of our specialised eco-driving trainers and realise the full savings potential of your vehicles.

WHEELBASES

A wide range of wheelbases is available to cover all bodybuilding needs:

Wheelbases in mm	3200	3500	3700	3800	3900	4100	4200	4300	4350	4500	5000	5050	5300	5500	5600	5800	6000
Rigid 4 x 2	•	•			•	•				•	•			•		•	
Tractor 4 x 2			•		•												
Rigid 4 x 4		•	•		•	•		•		•							
Tractor 4 x 4			•														
Rigid 6 x 4	•	•		3845			•			•	•			•			
Tractor 6 x 4	•	•	•		•												
Rigid 6 x 6		•	•	3845			•			•	•						
Tractor 6 x 6					•												
Rigid 8 x 4									•	•		•	•		•		(*)
Rigid 8 x 6													5345		5645		
Rigid 8 x 8													5345		5645		

(\*) Not homologated in Europe

