

RENAULT
TRUCKS
DELIVER

RENAULT KERAX

www.renault-trucks.co.uk



RENAULT KERAX BUILT TO BUILD

Operating under the most severe working conditions, carrying maximum loads with optimal mobility while remaining economical and offering genuine driving comfort...

Renault Kerax does it all with flair.





The Renault Kerax range is available with three new Euro 5 engines offering an excellent compromise between torque at low engine speeds and economical fuel consumption. Its new drive axles and double reduction tandems make it ideally suited to both on-road and off-road applications. The chassis' load capacity is increased by interior reinforcement and a new higher quality of steel. The new manual or automated gearboxes enhance driving comfort and optimise fuel consumption.

All of these elements add up to give the strength, pulling power and robustness needed by a vehicle designed to work under the most challenging conditions.

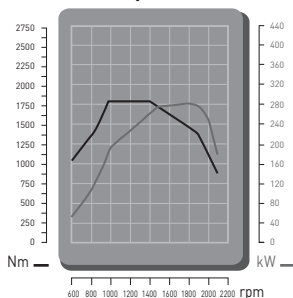
UP TO
460_{hp}

UP TO
30_t
LOAD CAPACITY

PULLING POWER AND STRENGTH UNDER ALL CIRCUMSTANCES

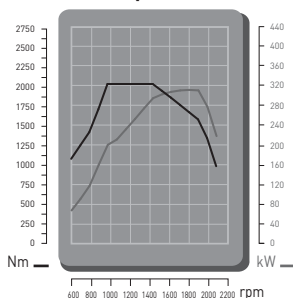


380 hp - DXi11



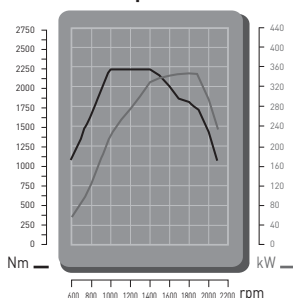
MAXIMUM
TORQUE
FROM
950_{rpm}

430 hp - DXi11



UP TO
2200_{Nm}

460 hp - DXi11



AUTOMATED
OPTIDRIVER+
GEARBOX:
100%
OFF ROAD

OPTIFUEL SOLUTIONS

With Optifuel Solutions, Renault Trucks brings you the most efficient technologies and services designed to reduce fuel consumption. These include optimised powertrains, the **Optidriver+** automated gearbox, SCR solution, Optifuel Training for economic driving and Optifuel Infomax.

NEW EURO 5 ENGINES: POWER AND TORQUE

With three new Euro 5 compliant engines, the Renault Kerax range makes its power and torque offering even more comprehensive. The DXi11 engine is now available with power ratings of 380, 430 and 460 hp.

Designed to provide high power ratings and torques, these new engines deliver maximum torque between 950 and 1,400 rpm, guaranteeing superior mobility on the most difficult worksites.

A POWERTRAIN OPTIMISED TO OPERATE IN THE MOST CHALLENGING ENVIRONMENTS

Renault Kerax gives you the choice of a new ZF Ecosplit 4 16 speed gearbox, offering the most appropriate combination of engine torque and mobility, or the **Optidriver+** automated gearbox, ideally suited to off-road working and capable of operating in automatic mode in more than 90% of situations.

With their high torques at low engine power, the Renault Kerax DXi engines preserve the powertrain's robustness while, at the same time, keeping fuel consumption in check and contributing to lower vehicle operating and maintenance costs.



UP TO
385^{mm}
GROUND
CLEARANCE

OUTSTANDING GROUND CLEARANCE CAPACITY

With up to 385 mm ground clearance under the front axle, this sets the Renault Kerax ahead of all its competitors in this field. Associated with remarkable pulling power under all circumstances, this gives the Renault Kerax outstanding ground clearance capacity over rough terrain.



CONFIGURATIONS FOR EVERY APPLICATION

The Renault Kerax range is available in all the configurations demanded by the construction industry (4x2, 4x4, 6x4, 6x6 and 8x4). It also offers all pre-equipment requirements specifically designed for building activities.

This adaptability translates into multiple models available in tractor or rigid versions with different wheelbases.

With side member reinforcement adapted to vehicle usage, the Renault Kerax chassis has the robustness to take on many tasks, whatever the configuration.

ROBUSTNESS FOR STRENGTH



PAYLOAD OF UP TO 30 TONNES

Two chassis models, Medium and Heavy, are available for Renault Kerax. In its 8x4 Medium version, Renault Kerax can carry up to 19t, while the vehicle's 8x4 Heavy version can handle a payload of up to 30t.

AN ADDITIONAL
10_t
OF LOAD
ON EVERY TRIP

DESIGN, MATERIALS AND FINISH: NOTHING IS LEFT TO CHANCE

From the design stage onwards, Renault Kerax benefits from the finest technology combined with an ongoing and relentless drive for quality.

By involving partner customers throughout the entire vehicle development phase, Renault Trucks takes your individual demands into account.

From the choice of materials right through to the cab's paint treatment, Renault Kerax receives particular attention to make sure it delivers flawless robustness and durability.



ULTRA
HIGH STRENGTH
STEEL

A REINFORCED CHASSIS WITH A HEART OF STEEL

A new, even more resilient quality of steel with internal reinforcement gauged to match the demands of the application and high torsion resistance with no risk of deformation, give the Renault Kerax chassis all the endurance it needs to handle the most challenging operating conditions.



SUSPENSION ADAPTED TO LOAD CAPACITY

The suspension on the Renault Kerax - parabolic up to 26t and semi-elliptical for the 32t version - is designed for working under extreme conditions while at the same time providing optimal comfort.

Renault Kerax is particularly suited to activities in the construction sector such as earth moving, demolition, heavy equipment transport, etc.

DRIVE AXLES AND TANDEMS: DIMENSIONED TO SUIT

Renault Kerax offers a range of dimensions adapted to all types of off-road applications with its double reduction front and rear drive axles as well as two types of hub reduction.

OUR PRIORITY,
YOUR SAFETY

1000_{kW}
OF BRAKING
POWER



WORKSITE OR OFF-ROAD TYRES

Depending on the required pulling power and ground clearance, as well as surface quality (mud, gradient, obstacles, quarries, etc.), Renault Trucks offers a wide range of tyres for the Renault Kerax range which are ideally suited to worksite and off-road applications.

HYDRAULIC RETARDER: EXCEPTIONALLY HIGH POWER BRAKING

The latest generation of Renault Kerax offers different braking systems: drum brake, exhaust brake, engine brake and/or hydraulic retarder. These various solutions can deliver braking power of up to 1,000 kW.



PRIORITY GIVEN TO COMFORTABLE WORKING



3 CAB
DEPTHS



90°
DOOR
OPENING

ERGONOMICS AND FUNCTIONALITY

The Renault Kerax driving position has been designed to make working more comfortable and life on board easier. The ergonomic dashboard is both functional and practical. All the main controls are within the driver's field of vision and easy reach.

New cab colour schemes contribute to creating a pleasant atmosphere.

PANORAMIC WINDSCREEN: THE WIDE VIEW ADVANTAGE

Renault Kerax is fitted with a wide windscreen giving the driver a broad, unobstructed view. Its optional side rear windows further extend the field of view by 30°. All of which bring added safety to a vehicle which has to operate on worksites with large numbers of workers on the ground.

EASY CAB ACCESS

Available in Day, Global or Sleeper versions, the Renault Kerax cab is made very easy to access by its 90° opening doors with grab handles on either side and well-lit steps.

Climbing into and out of the cab is made easy by three anti-slip steps, including one fold up step.

A VEHICLE 'READY-TO-BODY'



The chassis - assembled by bolting and riveting - is straight and smooth throughout its entire usable length, features pre-drilled side members, a specific overhang for each application, fixing with brackets and/or plates, plus pre-fittings for various items of equipment (crane, etc.) - making Renault Kerax a vehicle on which bodies can be mounted easily and quickly.

FACTORY
PRE-FITTED
CHASSIS

TECHNICAL INFORMATION



CABS

A cab offering adapted to the needs of the construction industry:

- **Day cab** with 2 or 3 steps, flat or normal roof, ideal for optimal body mounting
- **Global cab** with 2 steps and a normal roof available in 4 different types of layout to ensure the product is totally in line with its user's needs: Global Standard, Global Office, Global Night, Global Utility
- **Sleeper cab** with 2 or 3 steps, flat, normal or raised roof to offer maximum comfort.

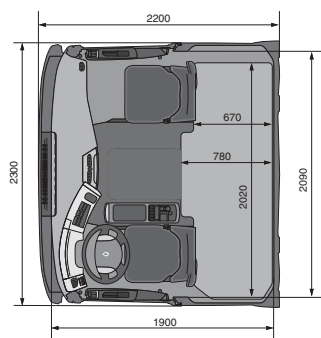
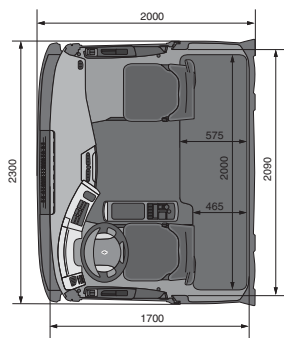
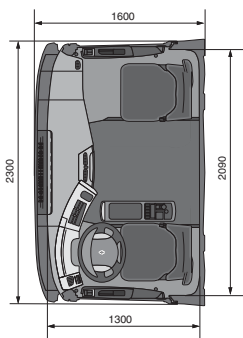
ENGINES

DXi11 Euro 5

280 kW (380 hp) at 1800 rpm – 1800 Nm from 950 to 1400 rpm
316 kW (430 hp) at 1800 rpm – 2040 Nm from 950 to 1400 rpm
338 kW (460 hp) at 1800 rpm – 2200 Nm from 950 to 1400 rpm

Renault Trucks has chosen the SCR (Selective Catalyst Reduction) post-treatment system to comply with the Euro 5 Standard. This consists of several elements:

- AdBlue tank
- AdBlue dosing module
- silencer enabling NOx catalysis to take place
- AdBlue injector in the exhaust
- sensors ensuring the entire system is operating normally (detecting NOx, AdBlue levels and temperatures).



GEARBOXES

New gearboxes for an optimal combination of payload, lower fuel consumption and smooth driving. Four 16 speed manual gearboxes and two automated 12 speed gearboxes.

3 systems for smoother gearshifts

- **Cable control:** increases comfort (by filtering vibrations), smoothness and safety, eliminates gears jumping due to movement of the cab in relation to the chassis
- **Servoshift:** an assistance system allowing the effort needed for shifting gears to be reduced by 75%
- **Super H:** consists of superimposing gears 5 to 8 on top of gears 1 to 4.

To switch from one range of gears to another, the driver simply has to activate the press button on the gearshift lever handle. The electrovalve protects the system from driver errors when shifting range.

The gearbox syncro protection prevents inadvertent shifting from a high to a low range of gears.

Gear selection is accurate, swift (with short selection travel) and secured (electrovalve).

The **Optidriver+** automated gearboxes are particularly suitable for worksite supply and on-site applications.

POWER TAKEOFF

A wide choice of PTOs are available, these are electronically controlled for greater reliability and safety:

- power takeoff on the gearbox
- engine rear power takeoff
- power takeoff on the transfer box.

DRIVE AXLES AND FRONT AXLES

Solo drive axles

- P995 front drive axle for 4 x 4 - 6 x 6 configurations
- P1361 rear drive axle for 4 x 2 - 4 x 4 configurations

Tandem drive axles

- 2661 and 3361 tandems for 6 x 4 - 6 x 6 - 8 x 4 configurations

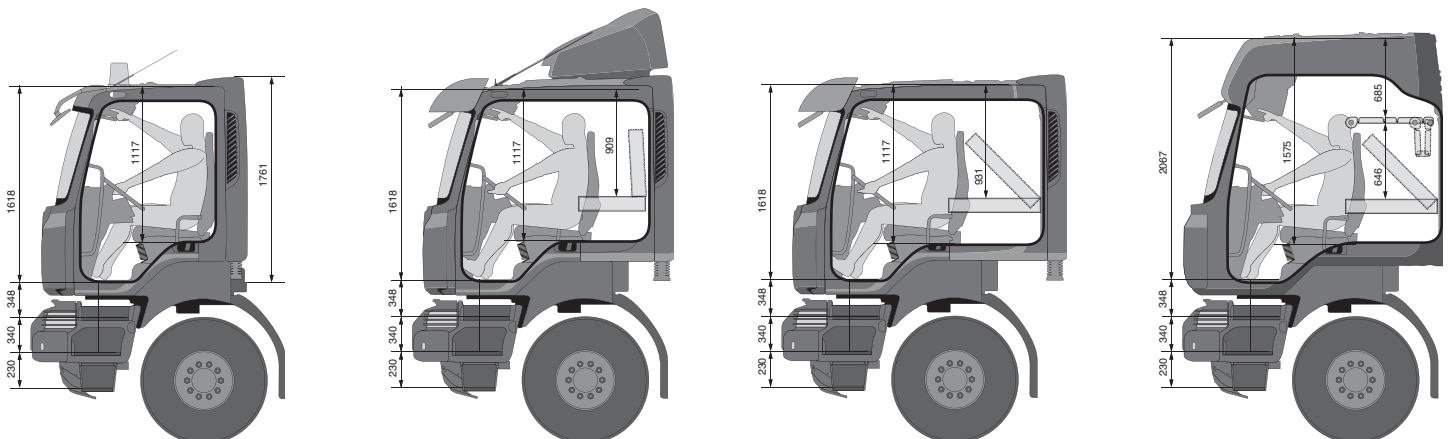
Front axles

- 1 E93 front axle with 0 mm offset

APM (AIR PRODUCT MANAGEMENT)

Renault Trucks displays innovation with its electronically controlled air management system, Air Product Management. This system offers greater safety, as well as savings in weight, fuel consumption and maintenance:

- Air production is now controlled electronically rather than mechanically for greater safety and quality
- Production and treatment are optimised
- Compressed air is produced outside acceleration phases.



BRAKING

Renault Kerax is fitted with drum brakes and the latest generation Electronic Braking System (EBS 5) as standard.

This is an **electronically controlled air braking system** which adapts vehicle braking wheel by wheel according to road grip conditions.

EBS Basic+

- ABS: controls the vehicle's directional stability during emergency stops
- Emergency braking assistance: optimises braking distance during emergency braking
- Engine brake management: when changing down gears on wet surfaces, this enables the driver to maintain control of a lightly loaded vehicle by avoiding rear wheel lock
- Easy Hill Start: allows the vehicle's brakes to be released without rolling back
- ASR antiskid system: maintains control of the vehicle on slippery surfaces
- Brake shoe wear balancing system: evenly distributes brake shoe wear between axles so that they can all be changed during a single maintenance operation.

Braking system coupling

Renault Trucks offers the possibility of coupling different braking systems: service brakes and retarders.

This system is controlled by the EBS (Electronic Braking System) or manually by depressing the brake pedal:

- Braking optimisation, adjusted according to axle load
- Enhanced brake shoe life: wear evenly distributed
- Fast response time

- Smooth driving
- 100% braking capacity is used (engine brake, exhaust brake, engine retarders and service brakes).

SUSPENSION

Front and rear suspension (normal or reinforced) with shock absorbers and antiroll bar:

- Parabolic front suspension with a capacity of 7.1t (tractor), 8t and 9t
- Parabolic rear suspension with a capacity of 13t or 16t for a drive axle
- Rear suspension with a capacity of 26t (parabolic) and 32t (semi-elliptical) for tandems.

MAINTENANCE

Maintenance frequency is adjusted to vehicle usage by means of an engine oil use analysis system.

Maintenance assistance provided by rapid breakdown diagnosis and a predictive display of maintenance and oil drain frequency.

The gearboxes: oil drain frequency maximum of 90,000 to 400,000 km depending on oil quality and type of application.

Rear drive axles and tandems: maximum oil drain frequency of 120,000 to 400,000 km depending on oil quality and type of application.

WHEELBASES

For optimised coverage of body lengths, the Renault Kerax offers a wide range of wheelbases:

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									•	•		•	•		•		(*)

(*) Non homologated

SERVICES ADAPTED TO PROFESSIONALS' NEEDS

PREVENTING IMMOBILISING INCIDENTS AND BREAKDOWNS

Renault Trucks Approved Parts: original parts quality

Approved Parts are designed and approved for Renault Trucks vehicles, the manufacturer is committed to maintaining its vehicles' original performance.

GETTING MY VEHICLE BACK ON THE ROAD FAST

Renault Trucks 24/24

Whatever the time, day or place, Renault Trucks 24/24 roadside assistance is standing by to provide rapid breakdown assistance. A specially assigned contact will coordinate your assistance operation from beginning to end.

Truckplus

The joint Renault Trucks and dealer network brand for used vehicles. Your guarantee of a thoroughly professional approach to offering and selling trucks from all major manufacturers.
www.truckplus.co.uk

KEEPING REPAIR AND MAINTENANCE COSTS UNDER CONTROL

Start & Drive repair and maintenance contracts

Your Renault Trucks approved repairer takes full charge of your vehicle's maintenance, offering a range of different options geared to your needs - ensuring you are able to benefit from maximum availability of your vehicle.

Expandys warranty extensions

Enjoy the benefits of genuine insurance covering your vehicle's most important elements, defined according to your annual estimated mileage, together with the length and extent of coverage required - providing you with the best possible solution for your business.

Renault Trucks Financial Services finance and insurance contracts

Renault Trucks Financial Services is committed to providing you with:

- A dedicated contact person who will offer you a comprehensive and personalised vehicle, services, finance and insurance solution package.
- A finance decision in the shortest possible time, to get your vehicle operational quickly.

Get in touch with your Renault Trucks sales advisor to discuss a personalised solution.

KEEPING FUEL CONSUMPTION UNDER CONTROL

Optifuel Programme

Optifuel Programme is the global solution designed to reduce your company's fuel costs. Combining Optifuel Training and Optifuel Infomax, this programme is designed for instructors, driver trainers and fleet managers who can then, in turn, train other drivers.

Optifuel Infomax

Optifuel Infomax is the global solution for monitoring vehicle usage and raising awareness of economic driving practices. The instruction you receive and its intuitive interface helps you control your vehicle's fuel consumption and accurately identify ways of making further savings.

Optifuel Training

Take advantage of our specialised instructors' expertise in economic driving and learn how to fully exploit your vehicles' potential for making savings.



YOU CAN SAVE UP
TO 15% OF YOUR
ENTIRE FLEET'S
OPERATING
COSTS

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We recommend
Renault Trucks Oils

