



HEAVY CONSTRUCTION RANGE K



renault-trucks.com

HEAVY CONSTRUCTION RANGE

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A TRUCK IS A PROFIT CENTRE

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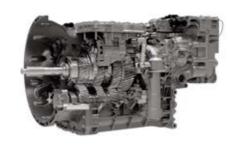
When you choose Renault Trucks, you buy a lot more than a truck. You can be sure that your needs have been anticipated. Lower fuel consumption, engine performance and reliability, exceptional load capacity: Renault Trucks goes all out to ensure your success.

RANGE K Profitability

A SERIES OF 2 ENGINES WITH 6 POWER RATINGS

The technologies chosen by Renault Trucks for its Euro 6 engines guarantee you fuel savings and an unprecedented level of power output. Essential qualities to increase your profitability.

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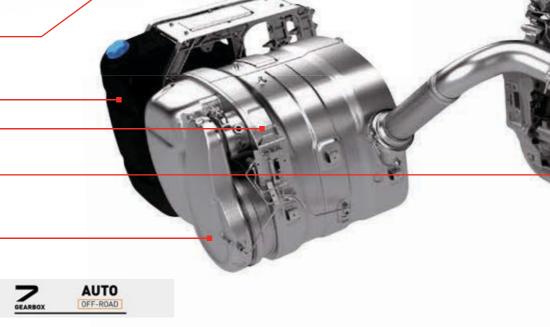
OPTIDRIVER GEARBOX designed for heavy-duty uses extended to the 4x4 and 6x6, and up to 120 t.

OFF-ROAD MODE DEDICATED TO DRIVING ON CONSTRUCTION SITES

- COMMON RAIL SYSTEM (DTI 11) OFFERING HIGH INJECTION PRESSURES EVEN AT LOW ENGINE SPEEDS
 - ADBLUE TANK
 - AFTER-TREATMENT SYSTEM FOR POLLUTING EMISSIONS
- 7TH INJECTOR TO INCREASE TEMPERATURE AND ENABLE THE REGENERATION OF PARTICULATE FILTER
 - PARTICULATE FILTER: TRAPS MORE THAN 95% OF PARTICULATES

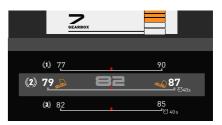
THE OFF-ROAD MODE MODIFIES GEARBOX GEAR-SHIFTING STRATEGY ADAPTING IT TO IT TO DRIVING ON CONSTRUCTION SITES

POWER MODE WILL ENABLE THE DRIVER TO NEGOTIATE DIFFICULT TERRAIN









ECONOMIC CRUISE CONTROL with three operating modes selectable by the driver.



RANGE K PROFITABILITY

OUTSTANDING TECHNICAL CAPACITIES

The K range is equipped with a chassis designed for heavy loads, enabling you to reduce the number of return trips. The numerous pre-equipment items help to simplify and reduce body mounting operations.

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- 4 EXHAUST OUTLETS: LEFT SIDE, IN THE FLOW PATH, VERTICAL AND VERTICAL+ VERTICAL MUFFLER
- ABLE TO CARRY UP TO 120 T ON 6X4 TRACTOR AND 100 T ON 6X4 RIGID, THE RENAULT TRUCKS K IS IDEAL FOR ACTIVITIES REQUIRING A HIGH GCW ON ROUGH TERRAIN
- MECHANICAL PRE-EQUIPMENT FOR CRANE INSTALLATION
- THREE TYPES OF BODYBUILDER MOUNTINGS: FLEXIBLE, SEMI-FLEXIBLE AND RIGID DEPENDING ON BODYWORK
- EXTENDED CHOICE OF WHEELBASE, ALLOWING THE RIGHT VEHICLE TO BE CHOSEN FOR THE BODYWORK REQUIRED



MOUNTING BRACKETS/PLATES ON SIDE MEMBERS for easier body mounting.



POWER TAKE-OFF for operating bodybuilder mounted equipment when moving or stationary.

TECHNICAL CAPACITY GCW: 120 T GVW: 50 T*





9



REAR OVERHANG available in increments of 50 mm to avoid cutting the side members.



RANGE K Profitability

VERTICAL OUTLET for better body mounting options.

SAVE EVEN MORE FUEL

Aerodynamic design, on-board technologies, training in rational driving: everything has been designed to help you to reduce your fuel consumption even more.







TRAPEZOID-SHAPED CAB for better air penetration and better handling.

UP TO 15% FUEL SAVINGS WITH 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 driver instructors and fleet managers who can then, in turn, train their drivers.

GEOLOCATE YOUR VEHICLE AT ANY TIME



OPTIFLEET Fleet management solution enabling the vehicle to communicate and exchange data with its operational base in real time.





analysis.

OPTIMUM USE OF THE VEHICLE FROM MILE **ZERO**



OPTIFUEL HANDOVER Vehicle handover programme for optimum use from mile zero.

WORKSITE DRIVER **TRAINING**



OPTIFUEL TRAINING is a training module for drivers providing them with training in rational driving and the preservation of the driveline.

MONITOR YOUR HOURLY FUEL CONSUMPTION



OPTIFUEL INFOMAX

is a software package presenting detailed expertise on driving and fuel consumption

 \triangleright J \mathbb{Z} \square ABILITY \mathbf{X}

A TRUCK SHOULD NEVER LET YOU DOWN

With Renault Trucks, you keep your commitments and meet your customers' expectations in full. We are also committed and at your side so that, whatever happens and whatever the terrain - mud, quarries, uneven or multi-pitched - your vehicles are always able to complete your missions successfully. Because for us, doing our job right means first and foremost enabling you to do yours.

VOLVO

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EC700CL

RANGE K Robustness

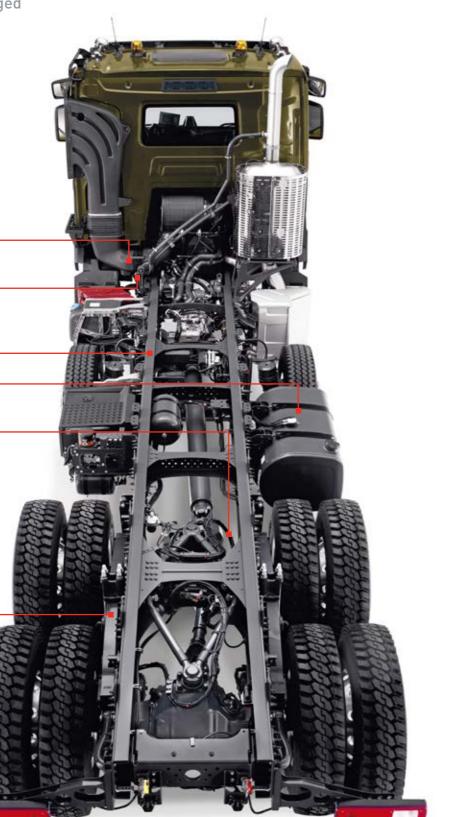
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The Renault Trucks construction range is designed with rigorously tested rugged components, units and solutions. A robustness which is also found in the vehicle's exterior design.

- CYCLONIC AIR PRIMARY FILTER SUITABLE FOR DUSTY ENVIRONMENTS
 - 8 OR 9 T MECHANICAL SUSPENSION WITH LUBRICATED JOINTS FOR VERY HEAVY-DUTY USES
 - STRAIGHT, 8 MM SIDE MEMBERS
 - STEEL DIESEL TANKS DESIGNED FOR OFF-ROAD USES
 - SEPARATION OF WIRING HARNESSES AND AIR HOSE BUNDLES FOR EASIER MAINTENANCE
 - PARABOLIC OR SEMI-ELLIPTIC REAR SUSPENSION, 13 T TO 32 T

STEEL PROTECTION ON ALL **EXPOSED** PARTS





100% STEEL BUMPER as standard, in three parts to reduce maintenance costs.



HEADLAMP PROTECTION GRILLES and polycarbonate headlamps as standard, set back in the bumper for better impact resistance.



OPTIDRIVER XTREM

specific to mine, quarry, heavy earth moving and transport applications with a shaft with six notched sectors instead of four, specific gears and a gear shift program suited to vehicle load.



PROTECTION SCREENS on equipment exposed to impact: EACU, pneumatic equipment.





SEMI-ELLIPTIC OR PARABOLIC SUSPENSION 26 t 3-leaf parabolic, 32 t 11-leaf semi-elliptic, 32 t Xtrem 4-leaf parabolic.

EXTENDED RANGE OF SIDE MEMBER REINFORCEMENTS to guarantee the mechanical strength of the frame.

ZG **NES M**

EXCEPTIONAL OBSTACLE CLEARANCE CAPACITY

Chassis, cab and driveline: everything has been designed to help you work and progress in the most extreme situations with maximum efficiency. Designed for clearing obstacles, K range vehicles guarantee exceptional traction on all types of terrain. The steering precision and the small turning circles offer excellent handling.

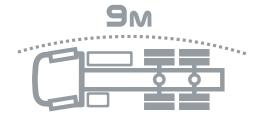
BEST

APPROACH

ANGLE ON

THE MARKET

REDUCED **TURNING RADIUS** FOR EASIER MANOEUVRING



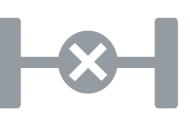






DOUBLE REDUCTION TANDEM DRIVE AXLE for greater traction on difficult terrain.

8X6, 6X6 OR 4X4 MODELS to increase vehicle driveability.



INTER-WHEEL and inter-axle differential locks as standard on all models.







GUARD PLATE underneath the radiator and oil sump.



RANG BUSTNESS \square \mathbf{X}

TESTED IN EXTREME CONDITIONS

From -40°C to +60°C and in all climate conditions, K range trucks have been tested in extreme environments to meet the demands for reliability and robustness. 53 vehicles have been operated in real conditions by partner customers before being marketed in order to further improve their quality and meet the day-to-day demands of your business.



CAMOUFLAGED VEHICLE tested under actual operating conditions in a Turkish mine.



COLD-WEATHER TEST over several thousand km north of the Arctic Circle (Sweden).



VIBRATION TEST BENCHES with thousands of hours of testing to safeguard cab reliability.



CAMOUFLAGED VEHICLE tested under actual operating conditions in Cameroon.



FRONTAL IMPACT to measure the cab's resistance to impact.



ZG TNESS 入

OVER 5 MILLION KM COVERED IN EXTREME CONDITIONS



ALWAYS AT YOUR SIDE

Renault Trucks supports you throughout your vehicle's service life to guarantee you maximum long term availability of your working tool.



START & DRIVE Service and repair contracts adapted to your activity to help you control your budget and provide maximum availability of your working tool.



RENAULT TRUCKS FINANCE AND INSURANCE Tailored financing and insurance

solutions for the purchase or lease of your vehicles. According to season, Renault Trucks offers you an appropriate repayment schedule.



GENUINE The Renault Trucks genuine spare parts offering guarantees to maintain your vehicle's performance.





NETWORK Numerous service and repair points throughout Europe.

24/7 BUTTON Located within easy reach of the driver, the 24/7 button geo-locates the vehicle when calling the 24/7 platform.

OVER 1,600 SERVICE POINTS WORLDWIDE







RENAULT TRUCKS 24/7

A network of experts answers you in 16 languages to provide assistance and breakdown recovery operations and guarantee service quality 7 days a week, 24 hours a day.

A TRUCK SHOULD MAKE YOUR DRIVERS PROUD

We all know that a driver who takes pride in his job is a more productive driver. And a more productive driver is a driver who generates profit. This is why Renault Trucks makes every effort to design vehicles in which your drivers can take pride.

RANGE K

THE PERFECT WORKING TOOL

Accessibility to the cab and body has been designed to make the driver's day-to-day work easier and facilitate vehicle servicing. More than a truck, the Renault Trucks K is the perfect working tool for improving productivity.













WINDSCREEN ACCESS STEPS non-slip to make servicing the vehicle easier.

RANGE K

BODYWORK SIDE ACCESS STEP for ease of checking load content.



DOOR OPENING ANGLE 85° for easier cab access.

•

EVERYTHING WITHIN REACH

Useful controls within easy reach deliver a high degree of driving comfort. Automatic equipment lets the driver concentrate on the job in hand.

- MULTI-FUNCTION STEERING WHEEL WITH CONTROLS FOR TELEPHONE, CRUISE CONTROL AND SPEED LIMITER, AS WELL AS FOR MENU NAVIGATION
- OPTIDRIVER AUTOMATED MANUAL TRANSMISSION STEERING WHEEL-MOUNTED CONTROL
- 7" HD NAVIGATION SCREEN
- SINGLE CONTROL FOR DIFFERENTIAL LOCKS
- AUTOMATIC ELECTRIC PARKING BRAKE CONTROL
- AUTOMATIC HEADLAMP AND WINDSCREEN WIPER ACTIVATION

RANGE K

ERGONOMIC DRIVING POSITION

A wide range of seat and steering wheel adjustments offer the driver an ideal driving position. The large colour main information display shows information intuitively.







STEERING WHEEL ADJUSTABLE IN THREE DIMENSIONS height, depth and rake.



POSITION FOR ENTERING/LEAVING THE VEHICLE to make driving position access easier.



STEERING WHEEL-MOUNTED CONTROLS for telephone and menu navigation.

ROTARY BUTTONS

AND WINDOWS

on the information display.



AIR CONDITIONING AND AUTOMATIC **DE-ICING** of the side windows, windscreen and rearview mirrors.



within reach and easily readable information



one-touch window lift and electrical adjustments for main and wide-angle rearview mirrors.

MANAGEMENT OF SIDE REARVIEW MIRRORS





OPTIDRIVER CONTROL for increased driving comfort.

NAG MFO ス



BUTTON LOCATIONS CAN BE CHANGED to customise the driving position.



VENTILATED, HEATED, AIR-SUSPENDED SEATS with on-board seat belts, headrests, side and lumbar support adjustment, backward movement range 20 cm.

EVERYTHING FOR A COMFORTABLE LIFE ON BOARD

With increased cab volume, cab night heater available on all cabs, numerous useful storage spaces, carefully considered finishes and interior trim designs, the Renault Trucks K offers your drivers a remarkably comfortable life on board.

MORE INTERIOR SPACE: REDUCED ENGINE TUNNEL AND WIDER, LONGER CAB

CAB NIGHT HEATER WITH UNIFORM AIR DISTRIBUTION











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A TRUCK SHOULD PROTECT YOUR BUSINESS

W-704-GR

A pillar of your development, a truck is a lever of growth for your company on which you must be able to rely in all circumstances. But, above all, a truck must guarantee the safety of your drivers. Because a truck without a driver means tied-up capital. RANGE K Protection

OPTIMUM VISIBILITY WHATEVER THE WEATHER

The design of the windscreen and rearview mirrors provide considerable gains in terms of visibility. The different lights guarantee maximum safety under all conditions and in all environments.













RANGE K

THE DRIVER'S SAFETY COMES FIRST

The different brake systems and intelligent driving assistance technologies protect personnel effectively and safeguard loads. Numerous items of equipment and accessories further reinforce driver safety.



OPTIBRAKE+: 382 KW **OF BRAKING POWER***







HILL START AID from rolling back.



DISC BRAKES now available on 6x4 and 8x4 vehicles.

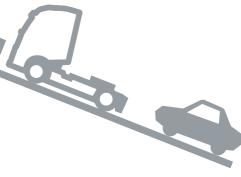




INTRUDER ALARM warns the driver if the doors are opened.

MECHANICAL DOOR LOCKING for additional door closing from inside the vehicle.





The brakes are held on to prevent the truck



DRUM BRAKES For heavy-duty uses.



BREATHALYZER IGNITION INTERLOCK lets drivers check blood alcohol level before starting the vehicle.



CORNERING LIGHTS FOR BETTER VISIBILITY DURING MANOEUVRES

FOR BETTER AERODYNAMICS

\mathbb{Z} \square П **ICATIONS**

01_RANGE OVERVIEW

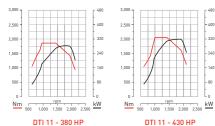
Туре	Profile	GVW	GCW	Chassis			Engine	Power rating	Gearbox	Drive axle	
	4x2	19 t	70 t								P1361
	4x4	17 (701	Medium Duty	Medium Duty					P1361X	
	6x4	26 t	100 t								
Rigid	6x6	35 t	100 t								
	8x4	32 t 42 t	90 t	Medium Heavy Duty Duty	Medium Heav	dium Heavy	Xtrem DTI 11	DTI 11	380 hp	3 automated manual transmissions Optidriver	PMR2661 PMR3361 PMR3361R
	8x6	42 t 50 t	8111		DTI 13		and 520 hp	4 manual gearboxes			
	4x2	40.	19 t 70 t							14 speeds	P1361
	4x4										P1361X
Tractor	6x4 26 t 120 t	Medium Duty		Heavy Duty				PMR2661 PMR3361			
	6x6	35 t	1201								PMR3361R

02_DRIVELINE

EURO 6 DTI 11 ENGINE

279 kW (380 hp) - 1,800 Nm 316 kW (430 hp) – 2,050 Nm 338 kW (460 hp) - 2,200 Nm

Capacity	10.8 L
Cylinders	6 cylinders in-line
Timing	Rear-mounted
Bore	123 mm
Stroke	152 mm
Compression ratio	17.0
Weight (including oil)	1 025 kg



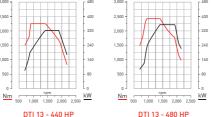
Nm kW 00 1,000 1,500 2,000 2,5

DTI 11 - 460 HP

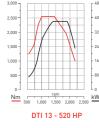
EURO 6 DTI 13 ENGINE

324 kW (440 hp) – 2,200 Nm 353 kW (480 hp) – 2,400 Nm 382 kW (520 hp) – 2,550 Nm

Capacity	12.8 L
Cylinders	6 cylinders in-line
Timing	Rear-mounted
Bore	131 mm
Stroke	158 mm
Compression ratio	17.0
Weight (including oil)	1 170 kg



DTI 13 - 480 HP



To comply with the Euro 6 standard relating to polluting emissions, K range vehicles are fitted with an "Extended SCR" system whose main components are:

- Engine gas heating system (based on the recovery of exhaust gases, an intake valve and a "7th injector" burner).
- DOC: Diesel Oxidation Catalyst.
- DPF: Diesel Particulate Filter.
- SCR: Selective Catalytic Reduction. • ASC: Ammonia Slip Catalyst (reduction of residual ammonia).

GEARBOXES 3 automated manual transmissions Optidriver AT 2412E Forward drive Number of gears Reverse 2,400 Nm Maximum torque Maximum GCW 44 t 4 manual gearboxes B14 gearbox MT 2214 MT Forward drive Number Crawlers of gears Reverse Maximum torque 2,400 Nm 2,5

DRIVE AXLES

Maximum GCW

		4x2	6x4	8x4	8x6	4x4	6x6
<u></u>	P1361	•					
Solo drive axles	P1361X					•	
Tandem drive axles	PMR2661		•	•	•		•
	PMR3361		•	•	•		•
	PMR3361R		•	•	•		•

100 t

		Solo dri	ve axles	Т	andem drive axle	25
		P1361	P1361X	PMR2661	PMR3361	PMR3361R
Ground clearance*	Unladen	370 mm	370 mm	363 mm	363 mm	366 mm
Ground clearance	Laden	332 mm	332 mm	325 mm	325 mm	332 mm
Technical specifications	Maximum engine torque	3,100 Nm	3,100 Nm	3,100 Nm	3,100 Nm	3,100 Nm
	Maximum vertical load	15 t	15 t	26 t	32 t	36 t
	Maximum GCW	70 t	65 t	100 t	120 t	120 t
specifications	Hub reduction	3,46	3,46	3,33 / 3,46	3,46	3,46
	Number of planets	4	4	3	4	4
Maintenance	Quantity of oil	23 L	23 L	27+23 L	26+23 L	26 + 23 L

Final drive ratios available from 3.33 to 7.21.

RETARDERS

	Engine	Braking power (at 2300 rpm*)
Exhaust brake	DTI 11	170 kW
	DTI 13	201 kW
Optibrake	DTI 11	300 kW
Optibrake+	DTI 13	382 kW
Hydraulic (Voith VR 3520)	DTI 11 / DTI 13	700 kW
		* Except hydraulic reta

POWER TAKE-OFF

Wide choice of power take-offs electronically controlled for greater reliability and safety: • power take-off on the gearbox (identical offering on manual or automated manual transmission). • engine rear power take-off disengageable or non-disengageable.

FICATIONS

A	AT 2612E		ATO 2612E
	12		
	3		
2	2,550 Nm		2,550 Nm
	120 t		60 t
T 2514		MTO 2214	MTO 2514
	12		
	2		
	4		
50 Nm		2,400 Nm	2,550 Nm
120 t		100 t	120 t

* With 315/80 R22.5 tyres

290

290

530 290

03_CAB

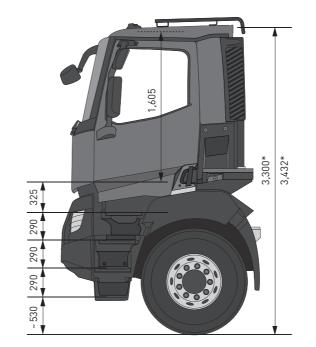


CAB CONFIGURATIONS

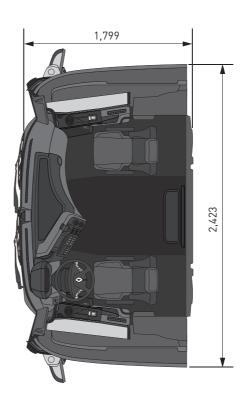
		Day cab	Night & Day cab
Туре		Day cab, standard roof	Cab with bunk, standard roof
Width		2	,500 mm
Length		1,850 mm	2,200 mm
Floor		200	mm tunnel
Height on tunnel		1	,405 mm
Step	4x2 - 6x4 - 8x4		3
	4x4 - 6x6 - 8x6		4

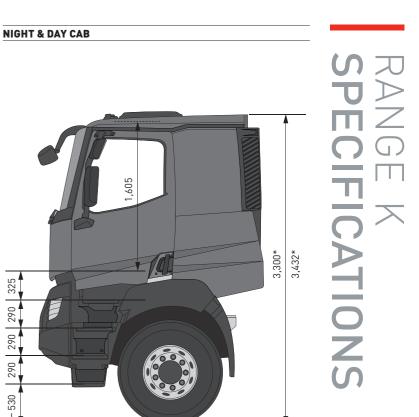
CAB SUSPENSION

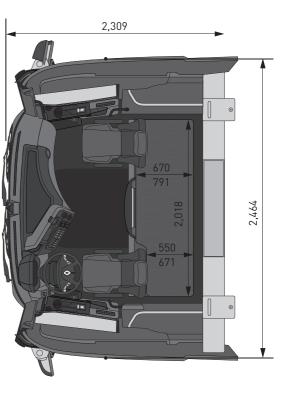
four mechanical mountings
four pneumatic mountings



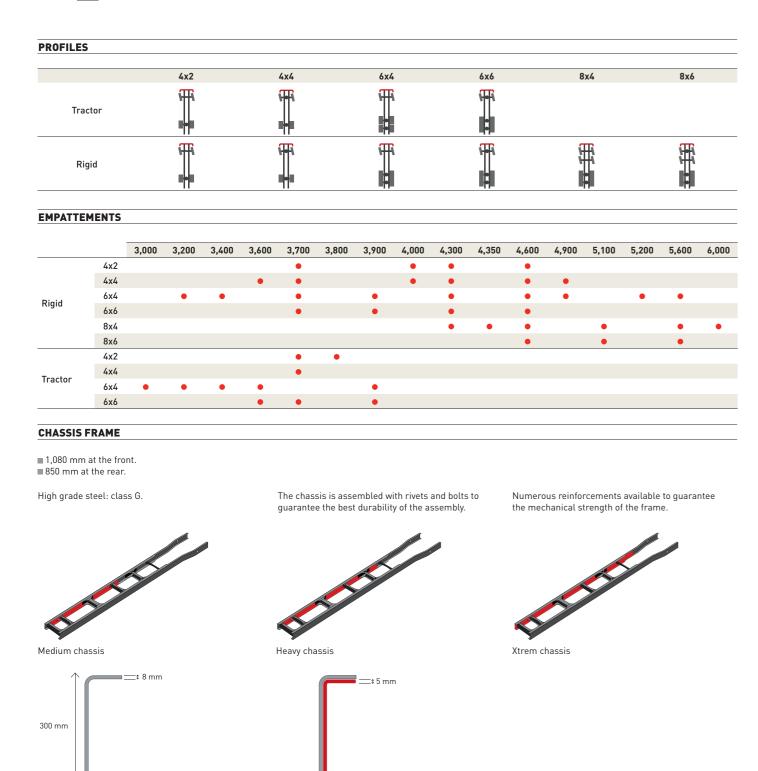
DAY CAB



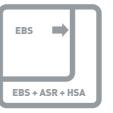




04_CHASSIS



05_BRAKES



ABS: wheel anti-lock braking system

Allows the driver to retain control of the vehicle steering by preventing wheel lock, primarily in emergency braking situations.

Emergency brake assistance Optimisation of braking distance during emergency braking.

Drag Torque Control

Maintains vehicle traction on slippery surfaces during downshifting phases (except AWD)

Brake harmonisation

Prevents the feeling that the trailer is "pulling" or "pushing" during the various braking phases.

• light indicating that the brake temperature

performance

Prevents tractors without a trailer tilting

Twin cylinder 760 cm³ disengageable or non-disengageable

HSA: Hill Start Aid

The service brakes are held on for a few seconds after releasing the brake pedal for easier hill starts. A push button activates and deactivates this function

Brake warnings

• light indicating that a brake pad is worn

is excessive

• light indicating degraded braking

Combined activation of brakes and retarders

Couples together various braking systems: service brakes, Optibrake engine brake and other retarders.

Tilt protection

forward during a braking application.

AIR COMPRESSOR

Twin cylinder 636 cm³ disengageable or non-disengageable

DISC BRAKES AND DRUM BRAKES

Drum brakes front and rear on the whole range. Disc brakes available on 6x4 and 8x4 Medium versions.

SUSPENSION

. 90 mm

Parabolic front suspension, capacity 7.5 (tractor), 8, 9, 14.2, 15, 16 and 18 t.

Single side member

Parabolic rear suspension, capacity 13 or 15 t for a drive axle.

Rear suspension, capacity 26 t (parabolic) and 32 t $\,$ (semi-elliptic) for tandem Xtrem: reinforced parabolic rear suspension 32 t.

Reinforced side member

EBS

ASR: Anti-Slip Regulation

The anti-slip system allows the driver to retain control of the vehicle on slippery surfaces

EBS + ASR + HSA*

Disc brake wear monitoring system Brake disc and brake pad wear warning: preventive maintenance (warning when there is 20% left before the brakes are completely worn). Brake pad wear balancing between the axles to simplify maintenance.



フ IFICATIONS

06_ACCESSORIES

	Visors	H1 visor			
		H2 visor			
OPTIMISATION		GPS DEZL 560			
	GPS	GPS DEZL 560 bracket			
		FMI 40 interface cable			
	СВ	СВ			
		Rack for CB			
	Diesel anti-theft	Mechanical Diesel anti-theft device with float			
		Mechanical Diesel anti-theft device without float			
	Locks	Doorlock mechanical anti-intruder lock			
	Strong box	Strong box + Mounting kit			
		Breathalyzer ignition interlock - left-hand drive			
	Breathalyzer ignition interlocks	Breathalyzer ignition interlock - right-hand drive			
		Single-use mouthpieces (pack of 25)			
		Light strip with two rotating beacons			
SAFETY	Detation because	Light strip with four rotating beacons			
	Rotating beacons	Orange rotating beacons (kit of 2)			
		Worksite bar fitted with triangle and rotating beacons			
		Reversing camera kit with monitor			
		Reversing camera kit for connection to dashboard screen (10 m cable)			
	Reversing cameras	Reversing camera kit for connection to dashboard screen (20 m cable)			
		Additional camera (10 m cable)			
		Additional camera (20 m cable)			
	Kettle	24V kettle			
	lce cooler	24L electric ice cooler			
		Rubber floor mat - left-hand drive			
	Mate	Rubber floor mat - right-hand drive			
	Mats	Textile floor mat - left-hand drive			
LIFE ON BOARD		Textile floor mat - right-hand drive			
	Blower	Blower			
	Mattress	Additional mattress			
	Foot rest	Foot rest			
	Wardrobe	Wardrobe			
		H1 roof bar with LED			
	Deef here	H2 roof bar with LED			
CUSTOMISATION	Roof bars	Additional lights - Rally 3003			
		Additional lights – Luminator			
	LED strip	Monochrome LED strip, front end kit			
	1				



Vinyl

Mixed vinyl and textile





Standard

Black leather

47



Textile

Leather

Brown leather



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RENAULT TRUCKS DELIVER HEAVY CONSTRUCTION

Ref. 58 02 005 347 - Qty 1,000 ex. - 06/2015